AGNICO EAGLE

**Meadowbank Division**

**WHALE TAIL MINE**

# Water Management Plan

**MAY 2024**

**VERSION 13_NWB**

## EXECUTIVE SUMMARY

Agnico Eagle Mines Limited – Meadowbank Complex (Agnico Eagle) operates the Whale Tail Mine (Project), a satellite deposit located on the Amaruq property processing the ore at Meadowbank Mine. The Amaruq property is a 408 square kilometre ($km^2$) site located on Inuit Owned Land (IOL) approximately 150 kilometres (km) north of the hamlet of Baker Lake and approximately 50 km northwest of Meadowbank Mine in the Kivalliq Region of Nunavut. The deposit is currently being mined as two open pits (i.e., Whale Tail Pit and IVR Pit) and underground operations, and ore is hauled to the approved infrastructure at Meadowbank Mine for milling.

In 2020 the Whale Tail Expansion Project (Expansion Project) was approved, permitting Agnico Eagle to expand and extend the Whale Tail Mine operations to include a larger Whale Tail open pit, development of the IVR open pit, and underground operations while continuing to operate and process ore at the Meadowbank Mine. In 2021 a positive conformity determination application was issued by the Nunavut Planning Commission for pushbacks on the IVR and Whale Tail pits (Pushback Project). In 2023, approvals were received to reflect the continuation of the Whale Tail Pushback, continuation of the IVR Pushback, and temporary storage of groundwater in IVR Pit (referred to as the 2023 Modification). In 2024 (2024 Modification), operations will continue to mid-2028.

The open pit mine, mined by drill and blast operations has been in operation since September 30, 2019. The mine will produce (including the 2024 Modification) in total 31.8 million tonnes (Mt) of ore, 205.9 Mt of waste rock, and 5.4 Mt of overburden waste. The 2024 Modification is within the approved mine production and includes the generation of 7.3 Mt of ore, and produces 19.8 Mt of waste material (rock and overburden) which will be stored in the existing Waste Rock Storage Facilities (WRSF). Non-leachable material will also be stored in the pits.

The water management objectives for the Project are to minimize potential impacts to the quantity and quality of surface water at the mine site. Water management structures (water retention dikes/berms and diversion channels) have been and will be constructed, dependent on the potential presence and volume of water, to contain and manage the contact water from the areas affected by the mine or mining activities. The major water management infrastructure includes contact water collection ponds, diversion channels, water retention dikes, culverts, seepage collection systems, water treatment plants for effluent, a potable water treatment plant, a sewage treatment plant, and discharge diffusers.

This Water Management Plan for the Project describes the main objectives pertaining to water management, which are to limit the flow of surface water runoff in the pit and to limit the impact on the local environment. In developing the water management plan, the following principles were followed:

- keep the different water types separated as much as possible.

- control and minimize contact water through diversion and containment.
- minimize freshwater consumption by recycling and reusing the contact and process water wherever feasible; and
- meet discharge criteria before any site contact water is released to the downstream environment.

During mine construction and operations, contact water originating from affected areas on surface is intercepted, diverted, and collected within the various collection ponds. The collected water on the mine site is pumped and stored in the Whale Tail Attenuation Pond and IVR Attenuation Pond, where the contact water is treated by the Water Treatment Plant (WTP) (as required according to water quality) prior to discharge to the receiving environment or reused in the operations. The 2023 Modification included the temporary storage of groundwater in IVR Pit, per approved Adaptive Management Plan (Agnico Eagle 2021) and was approved by the NWB. This will continue throughout the mine life.

During operations, site contact water quality is predicted to exceed established effluent criteria (i.e., under the Whale Tail Water Licence 2AM-WTP1830) in the Whale Tail Waste Rock Storage Facility (WRSF) Pond and in the Whale Tail Pit sump. Therefore, this water is controlled by the Whale Tail WRSF Dike and the Whale Tail WRSF Pond. The Whale Tail WRSF Pond water will report with all other contact water and will be mixed in the Whale Tail and IVR Attenuation Ponds and treated during operations.

During operations when the mine is at its maximum footprint, the conservative predictions of future water quality indicate that most parameter concentrations in the downstream environment are below CEQG-AL. A site wide water balance is updated annually including projected water quality that is compared with previous predictions.

Water management during closure and reclamation will involve actively filling the underground facilities and IVR Pit, and passively allowing the Whale Tail Attenuation Pond and the Whale Tail Pit to flood. The Groundwater Storage Ponds and IVR Attenuation Pond will be emptied at the start of closure and backfilled with NPAG/non-ML waste rock. The groundwater temporarily stored in IVR Pit will be pumped to the underground void space prior to actively filling IVR Pit. The Whale Tail and IVR WRSFs will be progressively covered with NPAG/non-ML waste rock throughout operations and are expected to be completely covered at the beginning of closure. The pushback in IVR pit will be backfilled with NPAG-non-ML rock material and filled by natural flow. Contact water management systems will remain on site until monitoring results demonstrate that water quality is acceptable for discharge of all contact water to the environment without further treatment. Once water quality meets the discharge criteria, the water management systems will be decommissioned to allow the water to naturally flow to the receiving environment. Through best management practices and mitigation, the predicted water quality of Whale Tail Lake (North Basin) meets aquatic life guidelines post-closure. The projected water quality in Kangislulik Lake is predicted to meet guidelines in post-

closure for all constituents of potential concern (including chloride, fluoride, nitrate, and total metals, as identified in the 2018 FEIS).

The updated water quality data shows a stable trend in the water quality indicators. At closure and post-closure, flooded pit water quality is predicted to meet receiving water quality criteria when flooding is complete, allowing reconnection with the downstream receiving environment.

Dikes will not be breached until the water quality in the flooded area meets the approved water quality objectives. During mine closure, no mine discharges will occur to the downstream receiving environment since all contact waters are diverted to the open pit, underground and Whale Tail Lake (North Basin) for re-flooding.

## DOCUMENT CONTROL

| Version | Date | Section | Page | Revision | Author |
|---|---|---|---|---|---|
| 1 | January 2017 | | | Water Management Plan for the Whale Tail Pit | Agnico Eagle Meadowbank Division and Golder Associates Ltd. |
| 2 | September 2018 | All | All | Water Management Plan for the Whale Tail Pit | Agnico Eagle Meadowbank Division and SNC-Lavalin Inc. |
| 3 | October 2018 | 3.1.4.11<br>3.3.1 | 23<br>32 | Updated to align with recommendations issued by CIRNAC, ECCC and KIA in October 2018 | Agnico Eagle Meadowbank Division |
| 4 | March 2020 | All | All | Updated to reflect current operations/water mgmt and to comply with commitments and requests | Agnico Eagle Meadowbank Division |
| 5 | July 2020 | All | All | Water Management Plan for the Whale Tail Pit – including Expansion Project | Agnico Eagle Meadowbank Division |
| 6 | April 2021 | All | All | Updated to reflect current operations/water mgmt and to comply with commitments and requests | Agnico Eagle Meadowbank Division |
| 7_NWB | June 2021 | Summary<br><br>3.7.12<br>3.10<br>5.0<br>Appendices | i-ii<br><br>33<br>42<br>49<br>N.A. | Updated to include Pushback Project<br>Added new section<br>Figure on pushback in IVR<br>Adaptive Mgmt<br>Updated WQ models | AEM – Permitting & Regulatory Affairs (all changes) |
| 8 | December 2021 | 3.4<br>3.8 | 17<br>37 | Clarification on wording for source of water use for emulsion plant | Agnico Eagle Meadowbank Division |
| 9 | March 2022 | All | All | Updated to reflect current operations/water mgmt and to comply with commitments and requests | Agnico Eagle Meadowbank Division |
| 10 | March 2023 | 3.1, 4 | All | Section 3.1 water management targets, Section 4 water quality forecast update | Agnico Eagle Meadowbank Division |
| 11_NWB | June 2023 | | | Updated to include the 2023 Modification (Pushbacks and IVR Pit temporary storage)<br>Updates are flagged in the right-hand margin using the following: | Agnico Eagle Permitting & Regulatory Affairs |
| 12 | March 2024 | All | All | Updated to reflect current operations/water mgmt and to comply with commitments and requests. | Agnico Eagle Meadowbank Division |

| Version | Date | Section | Page | Revision | Author |
|---|---|---|---|---|---|
| | | | | Mammoth Lake called Kangislulik Lake<br><br>Section 1: Removed mention of material in IVR pushback<br><br>Table 3.1: Added target 2024 water objectives and removed 2021.<br><br>3.5.1 Infrastructure Summary and 3.10.1 Flooding sequence: Changed inlet of SWTC to 154.25 masl<br><br>Removed section 3.7.6 Water Management for overburden storage: All overburden was co-disposed.<br><br>3.7.13 Water Management for Landfill: Updated information<br><br>Section 3.7.17: Refined information.<br><br>Section 3.8 Freshwater management and section 3.10.1 Flooding sequence: Updated duration for reflooding of Whale tail Pit<br><br>Section 4: Water quality forecast: Updated information and add note for ongoing work | |
| 13_NWB | May 2024 | All | All | Updated to include the 2024 Modification and water quality forecast. | Agnico Eagle Permitting & Regulatory Affairs |

## TABLE OF CONTENTS

**EXECUTIVE SUMMARY** ..... **i**

**DOCUMENT CONTROL** ..... **iv**

**TABLE OF CONTENTS** ..... **vi**

**Acronyms** ..... **x**

**Units** ..... **xi**

**Section 1 • INTRODUCTION** ..... **1**

**Section 2 • BACKGROUND INFORMATION** ..... **3**

2.1 Site Conditions ..... 3

2.1.1 Climate ..... 3

2.1.2 Permafrost and Hydrogeology ..... 6

2.1.3 Hydrology and Watershed ..... 11

2.1.4 Surface Water Quality ..... 11

2.1.5 Climate Change ..... 12

2.1.6 Seismic Zone ..... 12

2.2 Mine Operations Description ..... 12

2.2.1 Mine Development Plan ..... 12

2.2.2 Summary of Mine Waste Management ..... 13

**Section 3 • WATER MANAGEMENT AND WATER BALANCE** ..... **14**

3.1 Water Management Objectives and Targets ..... 14

3.2 Water Management Strategy ..... 15

3.3 Water Balance ..... 16

3.4 Waterbody Inventory ..... 17

3.5 Water Management System ..... 18

3.5.1 Infrastructure Summary ..... 20

Whale Tail Dike ..... 20

South Whale Tail Diversion Channel ..... 21

Mammoth Dike ..... 22

Whale Tail WRSF Dike ..... 22
Northeast Dike (dismantled) ..... 23
IVR Dike D-1 ..... 23
IVR Diversion Channel ..... 23
3.6 Dewatering ..... 24
3.7 Water Management Activity During Construction and Operations ..... 24
3.7.1 Erosion and Sediment Control Plan ..... 28
3.7.2 Whale Tail Attenuation Pond ..... 29
3.7.3 IVR Attenuation Pond ..... 29
3.7.4 Water Management in Whale Tail Waste Rock Storage Facility ..... 29
3.7.5 Water Management in IVR Waste Rock Storage Facility ..... 30
3.7.7 Water Management for Ore Stockpile Areas ..... 30
3.7.8 Water Management for Quarry 1 ..... 30
3.7.9 Water Management for the Whale Tail Open Pit Sector ..... 31
3.7.10 Water Management for the IVR Open Pit Sector ..... 31
3.7.11 Water Management for the IVR and WT Pit Pushbacks ..... 32
3.7.12 Water Management for Haul Roads ..... 32
3.7.13 Water Management for Landfill ..... 32
3.7.14 Sludge and Brine Management from Water Treatment Plants ..... 32
3.7.15 Underground Water Management ..... 33
3.7.16 Non-Contact Water Management ..... 34
3.8 Freshwater Management ..... 36
3.9 Sewage Water Management ..... 38
3.10 Water Management During Closure ..... 40
3.10.1 Contact Water Collection System ..... 44
3.10.2 Post-Closure Modeling Results Summary ..... 45
**Section 4 • WATER QUALITY FORECAST ..... 48**
**Section 5 • ADAPTIVE MANAGEMENT ..... 49**
**Section 6 • REFERENCES ..... 50**

## List of Tables

Table 1.1 Overview of Timeline and General Activities ..... 2

Table 2.1 Estimated Mine Site Monthly Mean Climate Characteristics ..... 5

Table 2.2 Estimated Mine Site Extreme 24-Hour Rainfall Events ..... 5

Table 2.3 Summary of Mine Waste Destination ..... 13

Table 3.1 2024 Targeted Water Hourly Consumption Per Month – for Mill and Camp Usage ..... 14

Table 3.2 Inventory of Waterbodies Directly Impacted by Mining Activities ..... 17

Table 3.3 Water Management Facilities ..... 19

Table 3.4 Water Management Activities During Construction and Operations ..... 25

Table 3.5 Overall Site Surface Contact Water Management Plan ..... 28

Table 3.6 Water Use Authorized for Domestic and Industrial Purposes During Construction and Operation ..... 37

Table 3.7 Effluent Quality and Wastewater Characteristics ..... 40

## List of Figures

Figure 2.0-1 Location of the Project ..... 4

Figure 2.0-2 Permafrost Map of Canada ..... 9

Figure 2.0-3 Hydrogeology Baseline Study Area ..... 10

Figure 3.10-1 Conceptual Representation of Water Flow in IVR Pushback During Closure ..... 41

Figure 3.10-2 Projected phosphorus (P) and arsenic (As) concentrations for pit lakes and the Whale Tail Attenuation Pond during Active Closure and Post-Closure ..... 46

## List of Appendices

Appendix A Site Layout Plans

Appendix B Water Management Schematic Flow Sheets

Appendix C Water Balance and Water Quality Report

Appendix D 2024 Freshet Action Plan

## ACRONYMS

| | |
|---|---|
| Agnico Eagle | Agnico Eagle Mines Limited – Meadowbank Complex |
| ARD | Acid Rock Deposition |
| CCME | Canadian Council of Ministers of the Environment |
| DFO | Department of Fisheries and Oceans Canada |
| Expansion Project | Whale Tail Pit – Expansion Project |
| FEIS | Final Environmental Impact Statement |
| IOL | Inuit Owned Land |
| LOM | Life of Mine |
| NIRB | Nunavut Impact Review Board |
| NWB | Nunavut Water Board |
| NE | North-East |
| OMS | Operation, Maintenance, and Surveillance |
| PGA | Peak Ground Acceleration |
| Plan | Water Management Plan |
| Project | Whale Tail Mine |
| Pushback Project | Whale Tail and IVR Pit – Pushback Expansion Project |
| STP | Sewage Treatment Plant |
| TSF | Tailings Storage Facility |
| TSS | Total Suspended Solids |
| WRSF | Waste Rock Storage Facility |
| WSER | Wastewater System Effluent Regulations |
| WTP | Water Treatment Plant |
| WT | Whale Tail |
| WTSC | Whale Tail South Channel |

## UNITS

| | |
|---|---|
| ± | plus or minus |
| < | less than |
| % | percent |
| °C | degrees Celsius |
| °C/m | degrees Celsius per metre |
| km | kilometre(s) |
| $km^2$ | square kilometre(s) |
| L/day/person | litres per person per day |
| masl | metre(s) above sea level |
| mbgs | metre(s) below ground surface |
| mg/L | milligrams per litre |
| m | metre |
| mm | millimetre |
| $m^3$ | cubic metre(s) |
| $m^3$/day | cubic metres per day |
| $m^3$/hour | cubic metres per hour |
| $m^3$/year | cubic metres per year |
| $Mm^3$/year | million cubic metre(s) per year |
| $Mm^3$ | million cubic metre(s) |
| t | tonne |
| Mt | million tonne(s) |

## SECTION 1 • INTRODUCTION

Agnico Eagle Mines Limited – Meadowbank Complex (Agnico Eagle) is currently operating the Whale Tail Mine (Project), a satellite deposit located on the Amaruq property, and continues to feed the mill at Meadowbank Mine. The Amaruq property is a 408 square kilometre ($km^2$) site located on Inuit Owned Land approximately 150 kilometres (km) north of the hamlet of Baker Lake and approximately 50 km northwest of Meadowbank Mine in the Kivalliq Region of Nunavut. The deposit is mined as two open pits (i.e., Whale Tail Pit and IVR Pit) and underground operations, and ore is hauled to the approved infrastructure at Meadowbank Mine for milling.

The Whale Tail Modification (2024 Modification) will continue operations to 2028 while continuing to operate and process ore at the Meadowbank Mine. The Water Management Plan V13_NWB was updated to reflect the changes in the 2024 Modification.

The open pits and underground mine, mined by truck-and-shovel operation, includes four development phases: 1 year of construction (complete), 10 years of mine operations, 18 years of active closure, and the post closure period. The ore milling period for the Whale Tail project is planned over a 10-year period, from 2019 to 2028, an addition of two years from the previous mine plan.

The construction and preparation of material started in summer 2018 after all permits and authorizations were received, and construction of the dikes started in the third quarter of 2018. Focus on site preparation and construction of infrastructure, with the development of the open pit to produce construction material continued in 2018 and 2019. Commercial production then began on September 30, 2019.

Waste rock and overburden are stored in the Waste Rock Storage Facility (Whale Tail WRSF and IVR WRSF) and ore is stockpiled on the ore pads. The existing tailings facility at Meadowbank Mine will continue to be used for tailings disposal. All tailings treatment and disposal will remain consistent with the current Project Certificate (No. 004).

As per the Interim Closure and Reclamation Plan (ICRP), closure will occur from 2028 to 2046 after the completion of milling and will include removal of the non-essential site infrastructure and filling of the mined-out open pits and underground mine as well as reestablishment of the natural Lake A17 (Whale Tail Lake) level. Only essential infrastructure related to water treatment will remain on site during the closure and post-closure phases. Accordingly, in addition to the Water Treatment Plant (WTP), minimal infrastructure allowing camp autonomy and security, as well as site roads, will be maintained following the operational phase (see more information in the Whale Tail Pit Interim Closure and Reclamation Plan). Post-closure is expected from 2047 onwards. The closure schedule for the overall Project is based on the preliminary closure methods and strategies discussed in the Whale Tail ICRP. It is anticipated that the schedule will be refined throughout the Project life as the designs are advanced, and the closure methods and strategies are further developed. Site and surrounding

environment monitoring started from the beginning of the construction and will be completed during the post-closure phase when it is shown that the site and water quality meets the regulatory closure objectives.

Table 1.1 summarizes the overview of the timeline and general activities.

**Table 1.1 Overview of Timeline and General Activities**

| Phase | Year | General Activities |
|---|---|---|
| Construction | 2018 | • Construct site infrastructure<br>• Develop open pit mine<br>• Stockpile ore |
| Operations | 2019 - 2027 | • Open pits operations<br>• Underground operations<br>• Transport ore to Meadowbank Mine<br>• Stockpile ore<br>• Discharge Tailings in Meadowbank TSF |
| | 2028 | • Complete transportation of ore to Meadowbank Mine<br>• Complete discharge of tailings in Meadowbank TSF |
| Active Closure | 2029 – 2046 | • Remove non-essential site infrastructure<br>• Flood mined-out open pits and underground operations<br>• Re-establish natural Whale Tail Lake level |
| Post-Closure | 2047 onwards | • Site and surrounding environment monitoring |

TSF = Tailings Storage Facility

This document presents the Water Management Plan (Plan) for the Project in accordance with Part E Item 5 of the Nunavut Water Board (NWB) Water License 2AM – WTP1830 including modifications stemming from the Pushback Project. It is a requirement of the License that an updated Water Management Plan be submitted on an annual basis following the commencement of Operation. The Plan must include an updated Water Balance and actions to be implemented if predicted re-flooded pits water quality indicate that water treatment is necessary.

# SECTION 2 • BACKGROUND INFORMATION

## 2.1 Site Conditions

The general mine site location for the Project is presented in Figure 2.1.

### 2.1.1 Climate

Climate characteristics presented herein were extracted from the permitting level engineering report (SNC 2015).

The Project is in an arid arctic environment that experiences extreme winter conditions, with an annual mean temperature of -11.3 degrees Celsius (°C). The monthly mean temperature ranges from -31.3°C in January to 11.6°C in June, with above-freezing mean temperatures from June to September. The annual mean total precipitation at the Project is 249 millimetres (mm), with 59 percent (%) of precipitation falling as rain, and 41% falling as snow. Mean annual losses were estimated to be 248 mm for lake evaporation, 80 mm for evapotranspiration, and 72 mm for sublimation. Mean annual temperature, precipitation, and losses characteristics are presented in Table 2.1.

Short-duration rainfall, representative of the Project are presented in Table 2.2, based on intensity-duration-frequency curves available from the Baker Lake A meteorological station (Station ID 300500) operated by the Government of Canada (2015).

**Figure 2.0-1 Location of the Project**

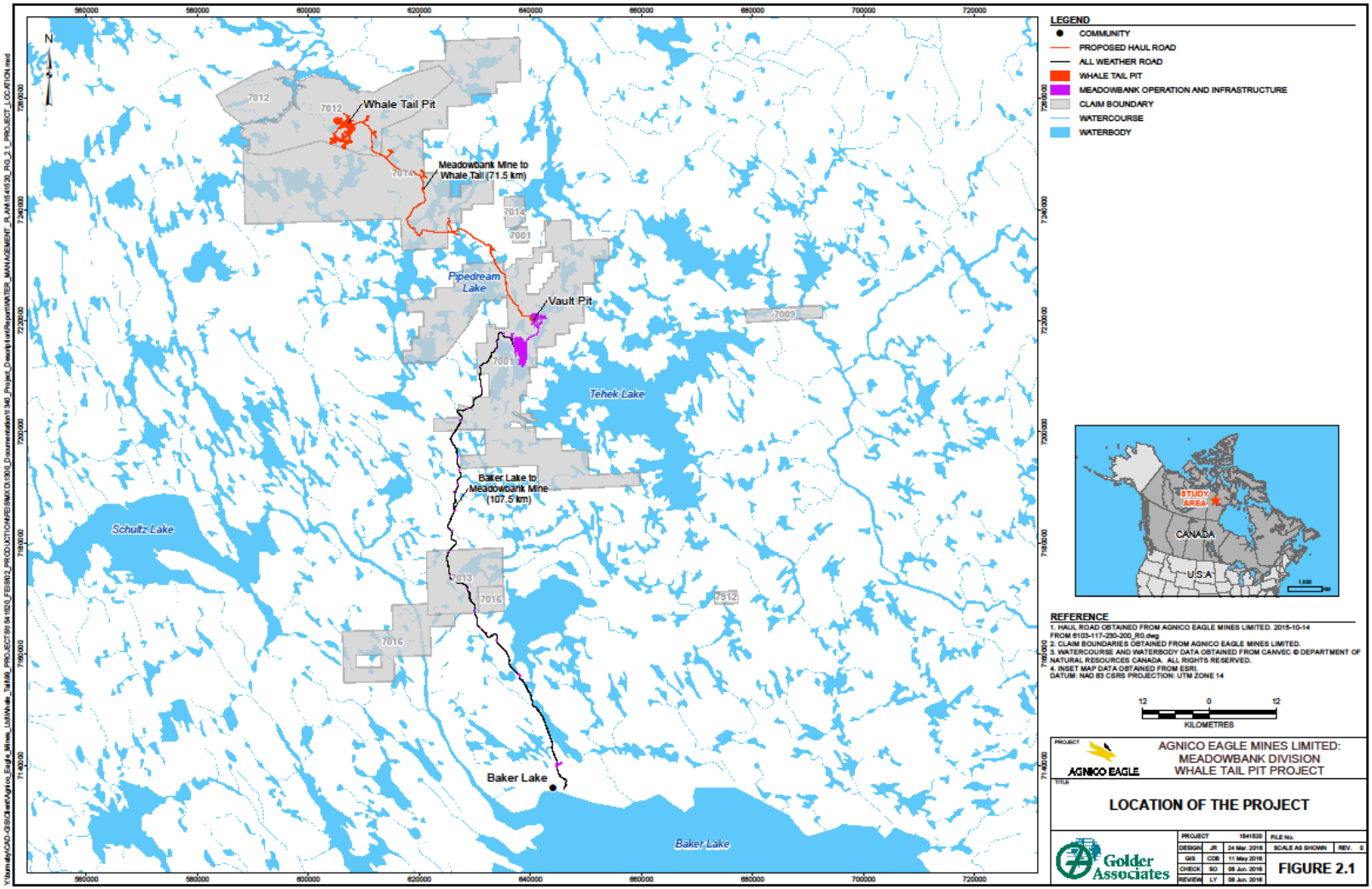


**Table 2.1 Estimated Mine Site Monthly Mean Climate Characteristics**

| Month[a] | Mean Air Temp. (°C) [a] | Monthly Precipitation (mm) [a] | | | Losses [a] | | |
|---|---|---|---|---|---|---|---|
| | | Rainfall (mm) | Snowfall Water Equivalent (mm) | Total Precip. (mm) | Lake Evap. (mm) | Evapo-transpiration (mm) | Snow Sublimation (mm) |
| January | -31.3 | 0 | 7 | 7 | 0 | 0 | 9 |
| February | -31.1 | 0 | 6 | 6 | 0 | 0 | 9 |
| March | -26.3 | 0 | 9 | 9 | 0 | 0 | 9 |
| April | -17.0 | 0 | 13 | 13 | 0 | 0 | 9 |
| May | -6.4 | 5 | 8 | 13 | 0 | 0 | 9 |
| June | 4.9 | 18 | 3 | 21 | 9 | 3 | 0 |
| July | 11.6 | 39 | 0 | 39 | 99 | 32 | 0 |
| August | 9.8 | 42 | 1 | 43 | 100 | 32 | 0 |
| September | 3.1 | 35 | 7 | 42 | 40 | 13 | 0 |
| October | -6.5 | 6 | 22 | 28 | 0 | 0 | 9 |
| November | -19.3 | 0 | 17 | 17 | 0 | 0 | 9 |
| December | -26.8 | 0 | 10 | 10 | 0 | 0 | 9 |
| **Annual** | **-11.3** | **146** | **103** | **249** | **248** | **80** | **72** |

[a] SNC (2015).

°C = degrees Celsius; mm = millimetre.

**Table 2.2 Estimated Mine Site Extreme 24-Hour Rainfall Events**

| Return Period (Years) [a] | 24-hour Precipitation (mm) [a] |
|---|---|
| 2 | 27 |
| 5 | 40 |
| 10 | 48 |
| 25 | 57 |
| 50 | 67 |
| 100 | 75 |
| 1000 | 101 |

[a] SNC (2015).

mm = millimetre.

### 2.1.2 Permafrost and Hydrogeology

#### *2.1.2.1 Permafrost Conditions and Assessment*

Thermal assessments have been completed that contribute to the understanding of the permafrost conditions near the Whale Tail Pit, IVR Pit, and Underground Mine. An update of the Whale Tail Thermal Assessment was conducted in April 2019 (Golder 2019b). The thermal assessment evaluated existing permafrost characteristics in the Whale Tail Lake and Project area and existing talik conditions under the Whale Tail Lake adjacent to the Project. The thermal assessment was completed based on available thermistor data to date, as well as the results of a thermal 2D modelling exercise and 3D block model prepared to assess permafrost conditions and the extent of talik formations beneath the Whale Tail Lake.

The updated thermal assessment of the project also took into consideration the groundwater monitoring program (Westbay well sampling) that took place in November 2018 (Golder 2019b). The 2018 groundwater monitoring program indicates that water samples were collected from fixed ports along the Westbay system between 276 m and 499 m below the ground surface, which suggests that the Westbay system is installed in open talik, or water sampling would not have been possible at depth.

The mine site is located in an area of continuous permafrost, as shown on Figure 2.2. Based on measurements of ground temperatures (Knight Piésold 2015), the depth of permafrost at the mine site is estimated to be in the order of 425 metres (m) outside of the influence of waterbodies. The depth of the permafrost and active layer will vary based on proximity to the lakes, overburden thickness, vegetation, climate conditions, and slope direction. The typical depth of the active layer is 2 m in this region of Canada. The estimated depth of zero amplitude from the temperature profiles ranges from 18 m to 35 m. The temperatures at the depths of zero amplitude are in the range of -3.1 °C to -8.6 °C for on land thermistors and 2.7 °C for AMQ17-1265A. The geothermal gradient estimated based on the lowest 70 to 100 m of the thermistor strings is in the range of 0.004 °C/m (AMQ15-294) to 0.052 °C/m. Late-winter ice thickness on freshwater lakes is approximately 2.0 m. Ice covers usually appear by the end of October and are completely formed in early November. The spring ice melt typically begins in mid-June and is complete by early July.

The information presented in the following section is based on the updated report *Hydrogeological Assessment and Modelling Whale Tail Pit - Expansion Project* (Golder 2019e). The following summarizes the updated understanding of permafrost conditions in the Expansion Project Area:

- The depth of permafrost outside of the influence of lakes is estimated to be between 452 m and 522 m based on thermal gradients and ground temperatures at the lowest portions of the thermistor strings. The depth of permafrost increases with increasing distance from lakes with talik.
- Considering the 2D thermal modelling and 3D block model, the assessment indicated that:

- Under the northern portion of the lake below Whale Tail Pit, there is likely a closed talik formation (Section C of the thermal modelling report).
- Open talik conditions are probable in the southern portion of the lake where the Whale Tail Lake becomes wider (Section G of the thermal modelling report).
- Permafrost depth is between 480 m and 550 m for ground away from the Whale Tail Lake, and between 350 m and 450 m below surface in portions beneath the Whale Tail Lake where a closed talik is present.
- The cryopeg thickness is likely between 20 m to 30 m.

#### *2.1.2.2 Groundwater Flow Regime*

Groundwater characteristics at the mine site are detailed in the Expansion Project Final Environmental Impact Statement (FEIS), Addendum Volume 6, Section 6.3. The hydrogeological model was updated in May 2019 with hydrogeological modelling completed for the Expansion Project since submission of the FEIS addendum in December 2018 (Golder 2019e). The model was updated based on results of monitoring at the Westbay system in November 2018, supplemental packer testing in December 2018, and additional 2D and 3D thermal analysis in 2019. The updated hydrogeological model was then used to provide revised predictions of groundwater inflow and total dissolved solids (TDS) concentrations during dewatering, mining, pit and underground flooding, and long-term post-closure (reflooded) conditions.

Two groundwater flow regimes occur at the Expansion Project: a deep groundwater flow regime beneath permafrost and a shallow groundwater flow system located in the active (seasonally thawed) layer near the ground surface. Except for areas of taliks beneath lakes, the two groundwater regimes are isolated from one another by thick permafrost.

Groundwater flow within the deep groundwater flow regime is limited to the sub-permafrost zone. This deep groundwater flow regime is connected to ground surface by open taliks underlying larger lakes. The elevations of these lakes are the primary control of groundwater flow directions in the deep groundwater flow regime, with density gradients providing a potential secondary control. The elevations of these lakes in the baseline study area indicate that Whale Tail Lake is likely a groundwater discharge zone at the south end of the Lake, with flow from Lake A60 to Whale Tail Lake, and a groundwater recharge zone at the north end of the Lake, with flow from Whale Tail Lake to Lake DS1 (Figure 2.3).

While portions of Whale Tail Pit are located within unfrozen rock, the IVR Pit and the Underground Project are fully contained within permafrost as per current planning. Groundwater inflow is therefore only expected during operations in the Whale Tail Pit.

Mining of the Whale Tail Pit occurs within the talik underlying Whale Tail Lake, whereas the latest version of the Underground Project is located in permafrost. The Underground is not directly connected to either Whale Tail Pit or IVR Pit.

During mining, the Whale Tail Pit will act as a sink for groundwater flow, with seepage faces developing along portions of the pit walls. In response to the deepening of the mine workings, groundwater will be induced to flow through bedrock to the Whale Tail Pit. Mine inflow will originate primarily from Whale Tail Lake (South Basin), the Whale Tail Attenuation Pond, and deep bedrock underlying the permafrost.

**Figure 2.0-2 Permafrost Map of Canada**

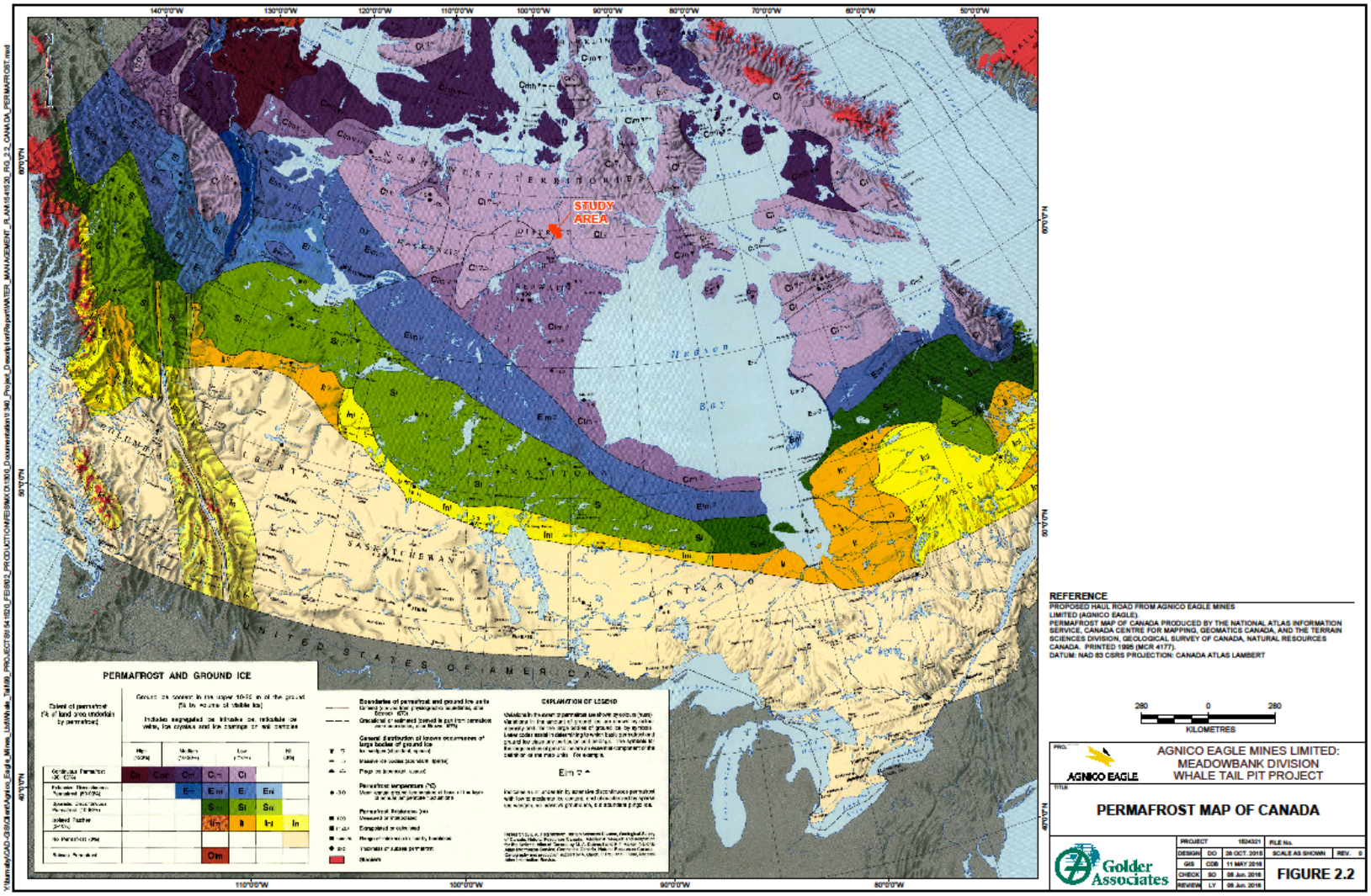
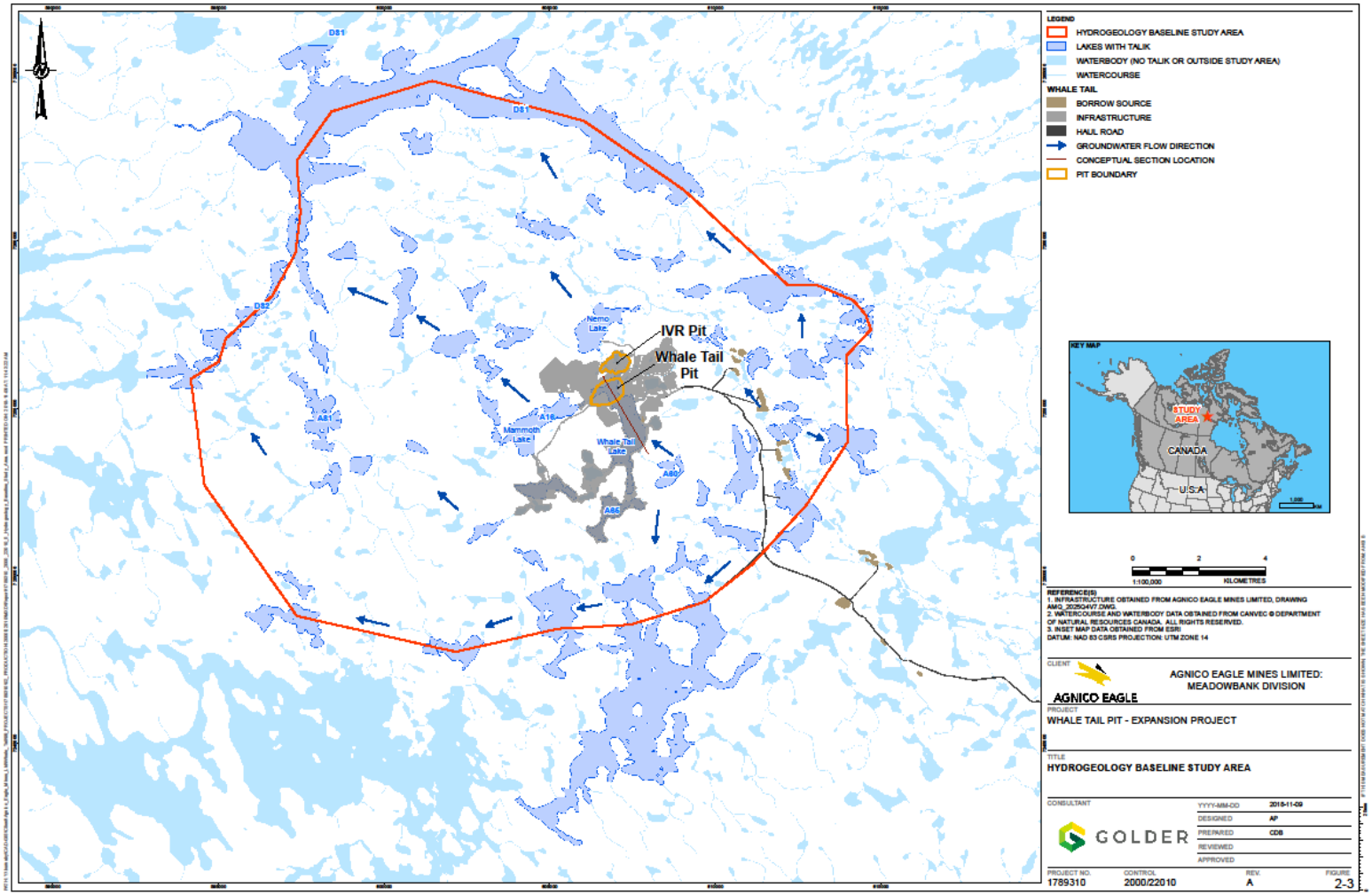


**Figure 2.0-3 Hydrogeology Baseline Study Area**



### 2.1.3 Hydrology and Watershed

Hydrology characteristics were extracted from the surface water quantity impact assessment section (FEIS, Addendum Volume 6, Section 6.3; Volume 6, Appendix 6-C).

The mine site is located in the A watershed (i.e., where Lake A17 [Whale Tail Lake] and Lake A16 [Kangislulik Lake] are located), and water management activities are planned in the A watershed and the C watershed (i.e., where Lake C38 [Nemo Lake] is located); these two watersheds drain into Lake DS1, which drains north to the Meadowbank River. These watersheds comprise an extensive network of lakes, ponds, and interconnecting streams, and have lake water surface fractions (i.e., the ratio of lake area to watershed area) of 16% (A watershed) and 23% (C watershed).

Shorelines in the mine site area exhibit a consistent terrain type related to shorelines that have developed in morainal material. These morainal shorelines were observed at all lakes visited during the 2015 field survey. Limited areas of bedrock and shallowly sloped sandy shorelines were also observed. As a general characteristic for the surveyed shorelines, the predominant materials are boulder gardens mixed with cobble with very limited soils or organic materials on top. The outlet channels are relatively short with a low sinuosity (i.e., close to 1.0) and exhibit the same characteristics for streambed materials, which results in interstitial flow through large boulders or below the surface likely close to the bedrock, making flow difficult to observe and measure.

Discharges of watercourses in the mine site area typically peak in late-May to mid-June from snowmelt, rapidly decline in July, and low discharges prevail until frozen conditions in October to November, with a secondary peak in September from rainfall events. Watercourses in the Project area are frozen over the winter.

Derived long-term mean annual water yield for selected lakes in the mine site area vary between 86 mm at Lake C38 (Nemo Lake) to 230 mm at Lake A69. These water yields are similar to regional water yields reported at the Meadowbank Mine.

### 2.1.4 Surface Water Quality

Water quality characteristics were extracted from the water quality baseline report (FEIS, Volume 6, Appendix 6-G, Agnico Eagle, 2016) and the water quality impact assessment section (FEIS, Volume 6, Section 6.4, Agnico Eagle, 2016). Baseline water quality sampling was conducted at lakes and tributaries in various watersheds in the study area during open-water conditions in 2014 and 2015.

Surface water collected from lakes during the open water season was characteristic of low productivity headwater lakes in the Arctic; soft water, with low alkalinity, low turbidity (and corresponding high Secchi depth) and low total suspended solids (TSS). There was minor thermal stratification evident at some deeper lake stations. The water columns of lakes are well oxygenated, and pH was neutral to slightly acidic. The majority of water chemistry parameter concentrations were below the analytical detection limit and below the Canadian Council of Ministers of the Environment

water quality guidelines for the protection of aquatic life (CCME, 1999) and the Canadian drinking water guidelines (Health Canada, 2014).

Samples collected from the tributaries showed them to be well oxygenated, with low conductivity, and neutral to slightly alkaline pH. As with the lakes, most of the water chemistry parameter concentrations were below the aquatic life and drinking water quality guidelines.

### 2.1.5 Climate Change

Climate change information presented herein was extracted from the air quality impact assessment section (FEIS, Addendum Volume 4, Section 4.2).

The climate in the Arctic is changing faster than at mid-latitudes (IPCC, 2014). The most recent set of climate model projections (CMIP5) predict an Arctic-wide year 2100 multi-model mean temperature increase of +13$^{o}$C in late fall and +5$^{o}$C in late spring under the IPCC's "business as usual scenario" (RCP8.5). IPCC climate change mitigation scenario RCP4.5 results in a year 2100 multi-model Arctic wide prediction of +7$^{o}$C in late fall and +3$^{o}$C in late spring (Overland et al., 2013). The effects of changes of this magnitude to terrestrial, aquatic and marine ecosystems, and social and economic systems of the Arctic are an active area of research. However, the short duration of the proposed Project means that climate change related effects to the Project are likely negligible.

### 2.1.6 Seismic Zone

The mine site is in an area of relatively low seismic risk. The peak ground acceleration (PGA) for the area was estimated using the seismic hazard calculator from the 2010 National Building Code of Canada website (http://www.earthquakescanada.nrcan.gc.ca/hazard-alea/interpolat/index_2010-eng.php). The estimated PGA is 0.019 g for a 5% in 50-year probability of exceedance (0.001 per annum or 1 in 1,000-year return) and 0.036 g for a 2% in 50-year probability of exceedance (0.000404 per annum or 1 in 2,475-year return) for the area.

## 2.2 Mine Operations Description

### 2.2.1 Mine Development Plan

Whale Tail Open Pit, IVR Open Pit, and Underground mining will be mined using the traditional open pit method and long hole mining (95%) with some mechanized cut and fill in flat areas. The mining is planned from 2019 to 2028.

Two mine waste streams will be produced at Whale Tail Pit: waste rock and overburden. Ore will be stockpiled in a series of stockpiles located adjacent to the pits. As ore is transported to the Meadowbank Mine for processing, a third mine waste stream, tailings, will be produced at Meadowbank Mine (refer to the Whale Tail Mine – Waste Rock Management Plan, Agnico Eagle, 2024a). The operation, management, and monitoring of the Meadowbank TSF is regulated under the Agnico Eagle Type A Water Licence 2AM-MEA1530.

The mine development includes the following infrastructure:

- industrial area (camp, power plant, heli-pad, landfarm and garage)
- crusher
- ore stockpiles
- rock and overburden storage facilities
- landfill
- haul and access roads
- underground mine
- two open pits

In addition, the mine development will include construction of water management facilities, listed in Section 3.1.2.

### 2.2.2 Summary of Mine Waste Management

This section is a summary of the mine waste management plan. More detailed information on mine waste management is presented in the Whale Tail Mine – Waste Rock Management Plan, Agnico Eagle, 2024a. Water management associated with mine waste management is described in Section 3 of this document. Two areas of the site were identified as the Whale Tail WRSF and the IVR WRSF to store waste rock and overburden material, as shown in Appendix A. Table 2.3 presents a summary of the proposed usage or destination for the waste material.

**Table 2.3 Summary of Mine Waste Destination**

| Mine Waste Stream | Waste Destination |
|---|---|
| Overburden | • Co-disposed with waste rock in Whale Tail WRSF |
| Waste Rock | • Construction material<br>• Whale Tail WRSF and IVR WRSF<br>• Underground backfill material<br>• IVR Pit Pushback backfill material<br>• Closure and site reclamation, fish habitat compensation |
| Tailings | • As slurry tailings placed in the approved Meadowbank Mine tailings storage facility |

WRSF = Waste Rock Storage Facility

## SECTION 3 • WATER MANAGEMENT AND WATER BALANCE

### 3.1 Water Management Objectives and Targets

The main objectives pertaining to water management for the Project are to limit and/or stop the flow of surface water runoff in the pit and to limit the impact on the local environment. The key objectives for water management are:

- Keep the different water types (i.e., contact, non-contact, and freshwater) separated to the extent practical
- Control and minimize contact water through diversion and containment
- Minimize freshwater usage by recycling and reusing the contact water to the extent practical
- Meet discharge criteria before any site contact water is released to the downstream environment
- No events of non-compliance with regards to:
    - Regulatory/Water License water quality criteria (effluent loading limits)
    - Regulatory/Water License freshwater withdrawal criteria

The water management targets are summarized in Table 3.1. These targets are aligned with the water objectives of the Whale Tail Project and go beyond the License limit. These targets strive to minimize risk, conserve freshwater, and minimize water usage. The 2024 targets assume continued improvements in the amount of contact water withdrawn from the Pit. Higher production rates in 2024 will require slightly more fresh water withdrawn from Nemo Lake and more contact water withdrawn from Underground as the works expand. It is expected the same volume will be discharged from site than in 2023.

**Table 3.1 2024 Targeted Water Hourly Consumption Per Month – for Mill and Camp Usage**

| WATER OBJECTIVE | TARGET 2022 | TARGET 2023 | TARGET 2024 |
|---|---|---|---|
| Fresh Water Withdrawn from Nemo Lake (Mining and Camp) | 75,000 $m^3$ | 80,000 $m^3$ | 88,000 $m^3$ |
| Contact Water Withdrawn from Pit (pit inflow) | 910,827 $m^3$ | 915,000 $m^3$ | 1,320,000 $m^3$ |
| Contact Water Withdrawn from Underground (inflow) | 3,000 $m^3$ | 16,000 $m^3$ | 19,600 m3 |
| Water discharge from site (WTS / Kangislulik Lake) | 2,488,068 $m^3$ | 2,500,000 $m^3$ | 2,500,000 $m^3$ |
| Water in recirculation (water recycled / total water use) | 0% | 0% | 0% |

### 3.2 Water Management Strategy

To achieve the above water management objectives and targets, the following key strategies were implemented to develop the Water Management Plan:

- Two levels of catchment disturbance have been defined for the area, namely undisturbed and disturbed. Areas that have been disturbed as part of the mine development are considered disturbed catchments, while the areas left unaffected are considered undisturbed catchments.
- For the purpose of mine water management, runoff from undisturbed areas is considered non-contact water, while runoff from disturbed catchment areas is considered contact water. Surface water that is diverted around the mine facilities, or groundwater that does not emerge into a mine facility, is considered non-contact water. Any non-contact water that mixes with contact water becomes contact water.
- Conveyance and storage of contact water will be controlled by channels and containment structures (i.e., sumps and ponds). Sumps will be installed in the open pits and in low points surrounding the open pits. Contact water will be diverted and collected in various sumps and water collection ponds and conveyed to an Attenuation Pond. Two attenuation ponds are planned for surface water and include the Whale Tail Pit Attenuation Pond and the IVR Attenuation Pond.
- The IVR Attenuation Pond will contribute to reducing the operational water head in the Whale Tail Attenuation Pond.
- The collected water will be treated if the water quality does not meet the discharge criteria established in the Water Licence 2AM-WTP1830.
- The treated water will be reused as much as possible for mining and site operations to minimize the freshwater requirements. The excess treated water will be discharged into Lake A16 (Kangislulik Lake) through a submerged diffuser or through a diffuser in Whale Tail Lake (South Basin) or other alternatives.
- Non-contact water will be intercepted and directed away from disturbed areas by means of natural catchment boundaries and/or man-made diversion structures or pumping systems and will be allowed to flow or to be discharged to the neighbouring waterbodies.

Underground (UG) development groundwater and contact water will be pumped to distinct surface infrastructure for water management. The underground water management infrastructure was defined based on the following underground water management guideline principles:

- It is not currently planned to mine below the permafrost. It is an opportunity that will be further studied.
- Heating is required when mining below top of cryopeg.
- Brine needed until cryopeg elevation is reached.
- Contact and non-contact UG water not segregated – segregation is an opportunity.

- Grouting is a mitigation measure during development (not included in hydrogeological model).
- UG storage stope (used to recycle UG water) – will delay treatment, needed early.
- Recirculation of brine during mining operations.
- Limit addition of freshwater (used only for CRF [cemented rockfill], promote use of natural groundwater for operation).
- Treatment of UG saline water is not required if mining stays in the permafrost.

The key strategies detailed below are implemented to support underground water management:

- A Groundwater Storage Pond system (GSP) to store captured TDS (salt) affected waters. Up to three GSPs are planned to provide operational flexibility and adaptive management opportunity.
- Excess water volumes in the underground mine will be managed through the Underground Mine Stope and GSP-1 and GSP-2.
- Excess water volumes may also be managed with GSP-3 (planned for contingency, operational flexibility, and adaptive management opportunity) or managed as temporary storage in IVR Pit, starting in August 2025. The discharge is only allowed for five months per year and will have to be returned underground afterwards.
- There is opportunity for water stored in the GSP to be reused for dust suppression on surface roads or to be re-circulated underground (i.e., for drilling or mixing in the cemented rockfill).
- The Project has been planned with contingency water management storage to manage contact water during upset conditions. For example, GSP-3 could be used for temporary storage when not used for saline water management. This storage has sufficient capacity to manage the potential water quantity exceedances occurring during the freshet and can be used to hold excess contact water temporarily until it can be treated by the water treatment plant during the remaining open water season (July to September). During this time, at maximum capacity, the excess water can be treated and discharged within two weeks.
- At the end of underground mining, any remaining water in GSP ponds and IVR Pit will be pumped underground for flooding of the underground workings.

### 3.3 Water Balance

As per the Type A Water Licence 2AM-WTP1830, Part E, Item 5, a Project water balance will be updated and presented on an annual basis, integrated into the water management plan update. The developed water balance will assist in evaluating future water management infrastructure, including under closure conditions (as per the Whale Tail Interim Closure and Reclamation Plan).

The water balance was computed on a monthly time step based on mean annual climate conditions (Section 2.1.1). The water management flow sheets are presented in Appendix B, and the water balance results are presented in Appendix C of this plan.

## 3.4 Waterbody Inventory

The A and C watersheds will be impacted by mining activities, primarily by dewatering of Whale Tail Lake (North Basin) to Lake A16 (Kangislulik Lake), the Northeast Diversion to the C watershed, and the Whale Tail Lake (South Basin) Diversion to Lake A16 (Kangislulik Lake). Waterbodies directly impacted by mining activities are presented in Table 3.2 and shown in Appendix A. Discharge of treated effluent began in the second dewatering phase of the project in June 2019 and will continue throughout mine operations and into closure if required, based on water quality monitoring and results.

**Table 3.2 Inventory of Waterbodies Directly Impacted by Mining Activities**

| Watershed | Primary Disturbance | Waterbody | Note |
|---|---|---|---|
| A | Dewatering | Lake A17 | Dewatering of Lake A17 (Whale Tail Lake) to Whale Tail Lake (South Basin) |
| | IVR Pit | Lake A46 | Part of the IVR Pit footprint |
| | | Lake A47 | Part of the IVR Pit footprint |
| | | Lake A49 | Part of the IVR Pit footprint |
| | | Pond AP-67 | Part of the IVR Pit footprint |
| | | Pond AP-68 | Part of the IVR Pit footprint |
| | IVR WRSF Placement | Lake A50 | Covered by IVR WRSF |
| | | Lake A51 | Covered by IVR WRSF |
| | | Lake A52 | Covered by IVR WRSF |
| | | Pond A-P21 | Covered by IVR WRSF |
| | Whale Tail Lake (South Basin) Diversion | Lake A18 | Flooded |
| | | Lake A19 | Flooded |
| | | Lake A20 | Flooded |
| | | Lake A21 | Flooded |
| | | Lake A22 | Flooded |
| | | Lake A45 | Part of diversion channel |
| | | Lake A55 | Flooded |
| | | Lake A62 | Flooded |
| | | Lake A63 | Flooded |
| | | Lake A65 | Flooded |
| | | Pond A-P1 | Flooded |
| | | Pond A-P53 | Flooded |
| | Various Water Management Activities | Lake A17 (Whale Tail Lake) | Whale Tail Lake (North Basin) used as the Whale Tail Attenuation Pond<br>Whale Tail Lake (South Basin) receives dewatering flows during dewatering activities, and discharge of treated effluent |
| | | Lake A16 (Kangislulik Lake) | Receives discharge of treated effluent |
| | | Lake A53 | Used as the IVR Attenuation Pond |
| | | Lake A50 | Covered by a Groundwater Storage Pond |

| Watershed | Primary Disturbance | Waterbody | Note |
|---|---|---|---|
| C | Water Intake | Lake A16 (Kangislulik Lake) | Sourced during operations for emulsion plant, if needed |
| | | Lake C38 (Nemo Lake) | Sourced during operations, including emulsion plant |
| | | Lake A17 (Whale Tail Lake) | Whale Tail Lake (South Basin) sourced during closure |

### 3.5 Water Management System

The water management system includes the following components (identified in Appendix A):

- Water collection ponds (Whale Tail Attenuation, IVR Attenuation, Whale Tail WRSF, plus the GSP Ponds and IVR Pit for temporary storage of groundwater)
- Staging sump for Pit contact water management
- Sump for WRSF contact water management.
- Discharge diffusers located in Kangislulik Lake and Whale Tail South
- Two water diversion channels (South Whale Tail Channel and IVR diversion channel)
- Four water retention dikes (Whale Tail, Mammoth, Whale Tail WRSF, and the IVR dikes)
- Culverts
- Freshwater intake causeway and pump system
- WTP and associated intake causeway
- Sewage Treatment Plant (STP)
- Pipelines and associated pump systems
- Potable WTP
- Pumping system from Whale Tail South to Kangislulik Lake
- Whale Tail Dike seepage collection system.

Additional water management system components can be put in place if required to adapt effectively to the site conditions, to manage non-contact water adequately, and to meet the water management objectives and target.

During the mine construction, operational, and closure phases, a network of collection and interceptor channels and sumps will be constructed and maintained to facilitate mine site water management. A list of the water management control structures and facilities is presented in Table 3.3 together with the construction schedule. These structures were designed according to design criteria presented in the Appendix K: Project Design Considerations of the Water Licence 2AM-WTP1826 amendment, submitted to the NWB in May 2019. Final design details of these structures will be provided to the regulators for approval at least 60 days prior to construction.

Water management strategy updates were also communicated in August and September 2019 to the Nunavut Water Board regarding changes to the management of non-contact water for specific areas of the project. Those changes are reflected in Table 3.3.

Appendix A shows the location of the main structures at the different development stages of the mine life.

**Table 3.3 Water Management Facilities**

| Mine Year | Water Management Facilities Constructed or Installed |
|---|---|
| 2018 Construction | • Turbidity Curtains installation for dike construction<br>• Start Whale Tail Dike<br>• Construction of the low-permeability access road built of overburden and collection sump for Stage 1 WRSF<br>• Freshwater intake causeway in Nemo Lake<br>• Water Treatment Plant and Construction Water Treatment Plant<br>• Pipelines and associated pump systems for water management and dewatering<br>• Sewage Treatment Plant<br>• Potable Water Treatment Plant<br>• Discharge diffuser in Kangislulik Lake<br>• Culverts 184, 186, and Mammoth Channel |
| 2019-2020 Operations – Phase 1 | • Completion of Whale Tail Dike<br>• Construction of Mammoth Dike<br>• Construction of the Whale Tail WRSF Dike<br>• Construction of the Northeast Dike<br>• Construction of the South Whale Tail Diversion Channel<br>• Construction of the dewatering system (ramp, pipe, diffuser) for the Whale Tail North Basin to the Whale Tail South Basin, the dewatering system from North Basin to Kangislulik Lake (and Water Treatment Plant).<br>• Construction of the Whale Tail contact water intake causeway and construction of the WT attenuation pond infrastructure (diffuser, pipeline)<br>• Installation of pumping system from the North-East Pond to C Watershed<br>• Installation of pumping system from Whale Tail South to Kangislulik Lake<br>• Construction of the Whale Tail Dike seepage collection system<br>• Installation of pumping system from A53 Lake to Whale Tail South<br>• Installation of pumping system from Lake A49 to North-East Sector to maintain the water level.<br>• Installation of pumping system for contact water from the open pit to the Whale Tail Attenuation Pond (to Quarry 1 until freshet 2020)<br>• Installation of pumping system for contact water from the Whale Tail WRSF Pond to the Whale Tail Attenuation Pond (to Quarry 1 until freshet 2020)<br>• Underground WRSF saline ditch system |

| Mine Year | Water Management Facilities Constructed or Installed |
|---|---|
| 2020-2028 Operations – Expansion Project | • Construction of the dewatering system (ramps, pipes) for Lake A46, A47, A49, A50, A51, A52, A53, AP-21. Used to dewater the footprint of IVR Pit, IVR WRSF, and IVR Attenuation Pond<br>• Dismantling of North-East Dike for IVR Pit mining activity<br>• Construction of the contact water intake causeway and construction of the IVR attenuation pond infrastructure (diffuser, pipeline)<br>• Installation of the IVR Attenuation Pond Pump Station<br>• Installation of pumping system for contact water from the open pit to the IVR Attenuation Pond<br>• IVR WRSF Contact Water Collection System; Ore stockpile 3 Contact Water Collection System<br>• IVR Diversion<br>• IVR D-1 Dike<br>• Underground Water Management System<br>• Groundwater Storage Ponds |

WRSF = Waste Rock Storage Facility.

### 3.5.1 Infrastructure Summary

The following sections briefly describe the various dikes and channels constructed for the Project. Information regarding the operation, surveillance, and maintenance of these structures is contained in the OMS Manual – Whale Tail Water Management Infrastructures (Agnico Eagle, 2024c). Additional information regarding construction of these infrastructures including design drawings and figures, can be found in the as-built reports submitted for each structure.

Agnico Eagle will continue to identify and assess the water infrastructure performance issues to ensure efficient water management. A lesson learned exercise on the 2019 freshet was performed in 2020 and was used to improve water management practices and plans for 2020 and beyond. In 2023 a lesson learned exercise on the winter water management was performed to improve winter water management practices for future winters.

#### Whale Tail Dike

Whale Tail Dike (WTD) isolates the Whale Tail Pit and Whale Tail Attenuation Pond from Whale Tail Lake South. The WTD construction raised the Whale Tail Lake (South Basin), Lake A18, Lake A19, Lake A20, Lake A21, Lake A22, Lake A55, Lake A62, Lake A63, Lake A65, Pond A-P1, and Pond A-P53, to an elevation of 156.0 metres above sea level (masl). The South Whale Tail Channel is a diversion structure associated with this dike and diverts runoff downstream to the Lake A16 (Kangislulik Lake).

WTD is approximately 835 m in length and was constructed within Whale Tail Lake on a shallow plateau of the lake floor. It consists of a wide rockfill shell, with downstream filters and a cement-bentonite cutoff wall built with secant piles that extend into the bedrock. The cutoff wall extends up to 12 m below lake level and is socketed an average 1.37 m in the bedrock. The dike has a 5 m grout

blanket on the upstream side and a 10 m grout curtain on the downstream side from 0+180 to 0+516. The top of the secant piles are at El. 157 which is 1 m higher than the design IDF water level. A rockfill thermal cover 2.0 m thick was placed between the secant pile top elevation and the final crest elevation of the dike at 159 masl.

Whale Tail Dike was constructed in the fall of 2018 and its initial grout curtain was installed in the first quarter of 2019. During dewatering in 2019 it was observed that a high amount of seepage was coming from the structure. The amount was judged unsustainable to be managed by pumping (approximately 300 $m^3$/h). A detailed investigation including additional instrumentation and geophysics was conducted for a better understanding of the seepage phenomenon at the Whale Tail Dike. In 2020, a pumping system was installed to collect and manage the seepage water prior to reaching the Whale Tail Attenuation Pond with the objective of returning water to the environment if water quality allows.

As a result, a remedial grouting campaign was performed between November 2019 and March 2020. The campaign was successful and met the objective of decreasing the seepage so it could be manageable by pumping. Following the dike grouting campaign, the seepage flow, measured using a v-notch weir, has significantly decreased to approximately 80 $m^3$/h and it was concluded that the seepage reduction objective of the grouting campaign was successfully reached. Agnico Eagle continues to closely monitor the situation.

### South Whale Tail Diversion Channel

The South Whale Tail Diversion Channel (SWTDC) is a blasted channel in the south-western part of the Whale Tail Lake watershed. It allows non-contact water to be discharged by gravity from Whale Tail Lake to Kangislulik Lake.

The construction of SWTDC occurred from January to April 2020 and it was commissioned during the 2020 freshet.

The previous inlet of the SWTDC was at El. 155.3 m. This value has been corrected to 154.25 m following observations of settlement post construction. It explains the increase in volume recorded for 2023. The channel has a trapezoidal shape with lateral slopes of 3H:1V, a base width of 5.0 m, and a bed-slope of 0.3%. The SWTDC was constructed using a protective riprap layer consisting of rockfill on the bottom and the sides of the channel to avoid erosion and limit TSS in the water. The riprap has a thickness of 0.5 m and consists of blasted rock with a diameter of 100 – 300 mm. Two transition materials consisting of fine and coarse filter with a 0.3 m thickness each were installed between the overburden and the riprap for particle retention between the foundation soil and the riprap. A layer of geotextile was placed between the coarse filter and the riprap to avoid migration of fine particles from the filters that could increase turbidity. The part of the access road crossing Lake A45 was modified to add a filtering element to prevent the A45 lakebed sediment to flow in the channel and create turbidity while ensuring that water from Lake A45 could reach the channel.

### Mammoth Dike

Mammoth Dike is a water retaining infrastructure built to isolate the Whale Tail Pit from Kangislulik Lake. Kangislulik Lake receives water from Whale Tail Lake through the SWTDC and treated water from site discharge through the Kangislulik Lake diffuser. Water flows out of Kangislulik Lake through its natural outlet.

The construction of Mammoth Dike occurred from February 2019 to March 2019 to maintain the frozen condition of the foundation. Mammoth Dike has a length of about 330 m and a height of 2 m. This structure is a zoned rockfill dike with a filter system. The low permeability element of the dike consists of a bituminous geomembrane (BGM) installed on the upstream face anchored in a key trench with fine filter amended with bentonite (FFAB). The key trench is approximately 3 m deep and is founded on bedrock. Blasting was required during the construction of this infrastructure.

### Whale Tail WRSF Dike

WRSF Dike is a water retention infrastructure designed to prevent contact water from the Whale Tail waste rock storage facility (WRSF) accumulating in the WRSF pond from reporting to Kangislulik Lake. The water collected in the WRSF pond located upstream of the dike is pumped to the Attenuation Pond and treated prior to being discharged. An area of approximately 109 ha drains towards the WRSF pond. The WRSF Dike is located south of the Whale Tail WRSF.

The WRSF Dike is about 360 m long and 5 m high. This structure is a zoned rockfill dike with a filter system. Foundation excavation in the key trench area was done in the fall of 2018 to avoid blasting and aggrade frost penetration. The construction of WRSF Dike mainly occurred from January to February 2019 to maintain the frozen condition of the foundation. The low permeability element of the dike consists of a bituminous geomembrane (BGM) installed on the upstream face anchored in a key trench with fine filter amended with bentonite (FFAB). The key trench is approximately 3 m deep and founded on frozen glacial till or bedrock.

On August 2019, the key trench of the structure thawed inducing tension cracks on the crest of the structure and seepage from WRSF Pond reported through the structure to Kangislulik Lake. Immediate actions taken were to build an access road to the downstream portion of the dike, in order to excavate a small sump and pump the seepage water back into the WRSF Pond. Furthermore, WRSF Pond was emptied and maintained dry. Downstream pumping stopped on September 30$^{th}$, when the reporting flow and surrounding area had frozen. In October 2019, the KIA conducted a sample analysis of the lakebed sediments in Kangislulik Lake. The report concluded the seepage did not have a measurable impact on metal quantities of Kangislulik Lake sediments (McDougall et al. 2019).

A series of measures were implemented by Agnico to minimize the risk of future similar events occurring in this location:

- Operational water levels were reviewed to keep water as low as possible in the WRSF pond as recommended by the Meadowbank Dike Review Board (MDRB)

- Aggradation of permafrost into the dikes foundation by construction of a thermal berm in 2020 on the upstream portion of the dike
- Access road to the downstream area was constructed to facilitate inspection.
- A downstream water collection system was designed and constructed.

Additional details on this event can be found in the letter submitted on December 20, 2019, to Environment and Climate Change Canada. Agnico Eagle continues to closely monitor the situation. No seepage was observed since the 2019 event which confirmed the adequacy of the mitigation measures implemented to ensure adequate performance of the structure.

### Northeast Dike (dismantled)

The North East (NE) Dike was a temporary structure designed to prevent runoff from the Northeast watershed reporting to the Whale Tail Pit and to divert them to Nemo Lake. The upstream slope of the NE Dike was lined with bituminous geomembrane encapsulated at the toe in a layer of FFAB liner in turn constructed in a key trench to an ice-poor till foundation.

Following the fish out and dewatering of surrounding lakes (A46 & A47) in 2020, this structure was dismantled as part of the IVR pit development.

### IVR Dike D-1

IVR Dike D-1 is a contact water retaining infrastructure built to contain the IVR Attenuation Pond. It is located East of the Whale Tail Pit. The structure includes an emergency spillway to release the water to the Whale Tail Attenuation Pond.

The construction of IVR Dike D-1 was part of the expansion project. It started in Q1 2021 and was completed in Q2 2021. The structure was constructed as a zoned rockfill dike with a filter system. The low permeability element of the dike consists of a bituminous geomembrane (BGM) installed on the upstream face anchored in a key trench located below the centerline of the structure with fine filter amended with bentonite (FFAB). The key trench is excavated in frozen glacial till or bedrock. To improve the thermal condition of the key trench a rockfill and esker thermal berm was placed on the upstream side.

### IVR Diversion Channel

The IVR Diversion Channel (IVR DC) is an excavated channel in the north-east part of the Whale Tail Project site. It allows non-contact water to flow from the North-East watershed to Nemo Lake. Its objective is to reduce the amount of contact water reporting to IVR Pit.

The construction of IVR DC was part of the expansion project. It occurred from September to October 2020 and the channel was commissioned during freshet 2021. The channel has a trapezoidal shape with lateral slopes of 2H:1V to 3H:1V, a base width of 3.0 m, and a bed-slope of 0.3%, in combination with a pervious rockfill perimeter berm that is delimiting the west boundary of the channel and also

acts as an access road. The IVR DC was constructed with a layer of fine filter material placed on top of the excavated foundation followed by geotextile and overlain by riprap.

## 3.6 Dewatering

As per the Type A Water Licence 2AM-WTP1830, Agnico Eagle initiated the dewatering of Whale Tail Lake (North Basin) in 2019 following the construction of the Whale Tail and Mammoth dikes and the fish out.

The estimated total volume of Whale Tail Lake (Lake A17) is 8.5 million $m^3$ ($Mm^3$). The dewatering started early March 2019. A total of 2,148,542 $m^3$ of water was discharged directly to Whale Tail Lake South Basin without requiring treatment. The second phase of dewatering started in mid June 2019 discharging to Lake A16 (Kangislulik Lake). For this phase of dewatering, water from the North Basin was treated via the TSS removal unit of the WTP and discharged in Kangislulik Lake through the diffuser.

Once the dewatering phase was completed in Q2 2020, part of the North Basin located outside the Whale Tail Pit footprint became the Whale Tail Attenuation Pond. The Whale Tail Attenuation Pond is since used to receive contact water from different sumps and ponds around site.

Waterbodies and ponds within the footprint of the IVR Pit, IVR WRSF, and IVR Attenuation Pond required dewatering in 2020. To allow the mining of the IVR Pit, lakes A46, A47 and A49 were dewatered in 2020. Following fish out completion, lakes inside the IVR pit mining footprint were dewatered and transferred into the Whale Tail Attenuation Pond representing a total approximate volume of 215,000 $m^3$.

A similar process to the one mentioned above was also used to dewater the waterbodies inside the IVR WRSF footprint (AP-21, A50, A51 and A52). The water was discharged into lake A53 once its fish out was completed for a total approximate volume of 38,000 $m^3$.

Similar to the Whale Tail (North Basin) dewatering process, approximately 2/3 of the dewatered water from Lake A53 was pumped and directly discharged to Whale Tail Lake (South Basin). The remaining 1/3 of the water was processed through the WTP during open water conditions. The complete dewatering of A53 represents a total approximate volume of 213,000 $m^3$. Once Lake A53 dewatering and fishout was completed it became the IVR Attenuation Pond. The IVR Attenuation Pond is intended to receive site contact water from different sumps and ponds around site.

## 3.7 Water Management Activity During Construction and Operations

An inventory of waterbodies impacted by mining activities is provided in Table 3.2 (Section 3.4) and the water management facilities required for the Plan are provided in Table 3.3 (Section 3.5). These tables should be read in conjunction with Table 3.4, which presents the yearly major water

management activities during the construction and operational phases. Water management activities during the closure phase are described in Section 3.10.

Any water requiring treatment will be pumped to the water treatment plant(s) prior to discharge through the diffuser in Kangislulik Lake or through the diffuser in Whale Tail Lake (South Basin) or other alternatives. The latter are outlined in the Whale Tail Pit Expansion Project Adaptive Management Plan. The other alternatives for discharge are Lakes D1 and D5 in the case that Level 3 is reached (high risk situation in the receiver water quality). Discharging in Lakes D1 or D5 would require a complete assessment of potential discharge, with approval from the NWB as per NIRB Project Certificate Conditions.

Water collected in the Whale Tail Attenuation Pond and/or IVR Attenuation Pond will be reused to the extent practical in the open pit and dust control operations, and the excess water will be treated by the WTP prior to discharge to the receiving environment.

Non-contact water will be diverted away from the mine site infrastructure by reversing natural flows or by using diversion channels and culverts.

Freshwater usage on site will be supplied from Lake C38 (Nemo Lake) and Lake A16 (Kangislulik Lake) during operations, and from Whale Tail Lake (South Basin) during closure.

In the amended Water Licence the permitted freshwater sources are Nemo Lake (all purpose), Kangislulik Lake (explosive mixing and associated use), Lake D1 (Re-flooding of Whale Tail Pit, IVR Pit, Underground mine, and Whale Tail (North Basin) and associated use, or as otherwise approved by the Board in writing), and Whale Tail South (Re-flooding of Whale Tail Pit, IVR Pit, Underground mine, and Whale Tail (North Basin) and associated use, or as otherwise approved by the Board in writing).

**Table 3.4 Water Management Activities During Construction and Operations**

| Mine Year | Water Management Activities and Sequence |
|---|---|
| 2018 | • Temporarily pump contact water from the Stage 1 WRSF sump to Quarry 1<br>• Temporarily pump contact water from the starter pit, construction, ore stockpiles, industrial sector, and main camp sector to Quarry 1<br>• Treat turbid water from construction using the construction WTP and discharge in Whale Tail North<br>• Pump STP effluent to Whale Tail Lake (North Basin)<br>• Freshwater intake initially located in Whale Tail Lake (South Basin); moved to Lake C38 (Nemo Lake) |
| 2019 | • Dewatering of Whale Tail Lake (North Basin) to Whale Tail South Basin and Kangislulik Lake (through the WTP)<br>• Pump contact water from the open pit to Quarry 1<br>• Pump contact water from the Whale Tail WRSF Pond to Quarry 1<br>• Treat through the WTP the Whale Tail North Water above discharge limit and discharge in Lake A16 (Kangislulik Lake) |

| Mine Year | Water Management Activities and Sequence |
|---|---|
| | • Pump contact water from Quarry 1 to Kangislulik Lake (when water quality meets discharge criteria, treat as needed at WTP) (following authorization)<br>• Pumping of non-contact water from:<br>  ○ North-East Pond to the C-watershed<br>  ○ North-East Pond to Whale Tail North<br>  ○ North-East Pond to AP5 (Licence B)<br>  ○ A53 Lake to Whale Tail North<br>  ○ Whale Tail South Basin to Kangislulik Lake<br>  ○ AP5 to the C-watershed (Licence B)<br>  ○ Whale Tail North to Whale Tail South in the summer months<br>  ○ Whale Tail North to Kangislulik Lake<br>  ○ Whale Tail North to AP5 (Licence B)<br>• Operation of the Whale Tail Dike seepage collection system by pumping seepage water to Whale Tail South Basin<br>• Pump STP effluent to Whale Tail North |
| 2020-2021 | • Completion of dewatering activity. WTN becomes an attenuation pond<br>• Pump contact water from the open pit to the Whale Tail Attenuation Pond (to Quarry 1 until May 2020)<br>• Pump contact water from the Whale Tail WRSF Pond to the Whale Tail or IVR Attenuation Pond (to Quarry 1 until freshet 2020)<br>• Treat through the WTP the Whale Tail and IVR Attenuation Ponds contact water and discharge in Lake A16 (Kangislulik Lake) or Whale Tail Lake (South Basin)<br>• Pump contact water from Quarry 1 to Kangislulik Lake (if water quality meets discharge criteria) until May 2020<br>• Whale Tail Lake (South Basin) flows to Lake A16 (Kangislulik Lake ) through the Whale Tail Lake (South Basin) Diversion Channel<br>• Operation of the Whale Tail Dike seepage collection system by pumping seepage water to Whale Tail South when water quality meets discharge criteria<br>• Pump STP effluent to the Whale Tail or IVR Attenuation Ponds<br>• Maintain North-East Pond sector water level by pumping to Whale Tail North Basin (only for 2020)<br>• Construct IVR Diversion and divert non-contact water from the Northeast Sector to Nemo Lake<br>• Dewater waterbodies and ponds inside IVR pit footprint to Whale Tail Attenuation Pond<br>• Dewater waterbodies and ponds inside IVR WRSF footprint to A53<br>• Dewater Lake A53 to Whale Tail Lake (South Basin) and remaining to Whale Tail Attenuation Pond<br>• Pump GSP-1 contact water to Whale Tail or IVR Attenuation Ponds<br>• Pump contact water from the IVR Pit to the IVR Attenuation Pond<br>• Pump contact water from the IVR WRSF Contact Water Collection System to the IVR Attenuation Pond<br>• Pump excess water from underground sump to GSP 1 when Underground Storage Stope is full<br>• Pump contact water from the Whale Tail Pit to the IVR Attenuation Pond |

| Mine Year | Water Management Activities and Sequence |
|---|---|
| | • Pump contact water from the Whale Tail Attenuation Pond to the IVR Attenuation Pond<br>• Pumping of non-contact water from Whale Tail South Basin to Kangislulik Lake<br>• Capture runoff from Whale Tail WRSF and NPAG WRSF; pump to the IVR Attenuation Pond<br>• Treat the IVR Attenuation Pond contact water through the WTP and discharge in Whale Tail Lake (South Basin) and/or Lake A16 (Kangislulik Lake) |
| 2022 to 2028 | • Pump contact water from the Whale Tail WRSF Pond to the Whale Tail and IVR Attenuation Ponds<br>• Pump contact water from the Pits to the IVR Attenuation Pond or Whale Tail Attenuation Pond<br>• Pump contact water from the IVR WRSF Contact Water Collection System to the IVR Attenuation Pond<br>• Pump STP effluent to the Whale Tail Attenuation Pond or IVR Attenuation Pond<br>• Pump GSP-1 contact water to Whale Tail or IVR Attenuation Ponds.<br>• Capture runoff from Whale Tail WRSF and NPAG WRSF; pump to WRSF Pond, Whale Tail Attenuation Pond or to the IVR Attenuation Pond<br>• Pump contact water from the WRSF Pond to Whale Tail Attenuation Pond or IVR Attenuation Pond<br>• Pump contact water from the Whale Tail Attenuation Pond to the IVR Attenuation Pond<br>• Pump contact water from the IVR Attenuation Pond to the Whale Tail Attenuation Pond<br>• Treat through the WTP the Whale Tail and IVR Attenuation Ponds contact water and discharge in Lake A16 (Kangislulik Lake) or Whale Tail Lake (South Basin)<br>• Pump excess water from underground sump to GSP 1 when Underground Storage Stope is full<br>• Pump excess water from underground sump to GSP 1 when Underground Storage Stope is full<br>• Store excess groundwater in IVR Pit temporarily.<br>• Construct GSP-2 and GSP-3 if additional capacity for contact water storage is required at surface.<br>• Whale Tail Lake (South Basin) flows to Lake A16 (Kangislulik Lake) through the Whale Tail Lake (South Basin) Diversion Channel<br>• Operation of the Whale Tail Dike seepage collection system by pumping seepage water to Whale Tail South when water quality meets discharge criteria.<br>• Divert non-contact water from the Northeast Sector to Nemo Lake using IVR Diversion<br>• Pumping of non-contact water from Whale Tail South Basin to Kangislulik Lake |

WRSF = Waste Rock Storage Facility; WTP = Water Treatment Plant.

Table 3.5 presented below summarizes the overall contact water management plan for the major mine infrastructure with the initial water collection location and final water destination. Detailed water management information for major mine infrastructure areas is described in the following sub-sections. Water management of the non-contact water on site is also presented in Section 3.7.16. Water management flowsheets for the construction and operations phase are provided in Appendix B.

**Table 3.5 Overall Site Surface Contact Water Management Plan**

| Contact Water Source | Initial Contact Water Collection Location | Final Contact Water Collection Location |
|---|---|---|
| Industrial Sector | Whale Tail Attenuation Pond | IVR Attenuation Pond (primary)<br>Whale Tail Attenuation Pond (secondary) |
| Whale Tail and IVR WRSFs Sector | Whale Tail WRSF Ponds<br>IVR WRSF collection system | |
| Ore Stockpiles | Whale Tail Attenuation Pond | |
| Landfill | Whale Tail WRSF Pond | |
| Open Pits (Whale Tail and IVR) | Open pit sumps | |

WRSFs = Waste Rock Storage Facilities.

### 3.7.1 Erosion and Sediment Control Plan

As described in the previous sections, Project site infrastructure, channels, sumps, and associated water management activities are designed with consideration of site wide erosion and sediment control. In addition to design controls, best management practices (BMPs) will furthermore ensure that activities, practices, devices, or a combination thereof will prevent or reduce the release of sediments and will control erosion. The selection of permanent or temporary BMPs will be specific to the site and timing and may require regulatory approval prior to installation or construction.

Temporary BMPs for Whale Tail and IVR Pits may include:

- Silt fences and fabric installation
- Turbidity curtains
- Sediment control basins to detain sediment-laden water
- Diversion of flows away from the construction area

Permanent BMPs at the Whale Tail and IVR Pits may include:

- Infiltration basins and trenches
- Sedimentation basins or ponds
- Construction of swales in ditches

Monitoring of erosion and sedimentation associated with construction and operations are detailed in the Water Quality and Flow Monitoring Plan (Agnico Eagle, 2019b), and dike construction sediment control and monitoring is presented in the Dike Construction and Dewatering Management Plan (Agnico Eagle, 2020).

For specific details on sediment control guidelines and license requirements, on erosion monitoring and mitigation during freshet, and the rise of the water level in the South Basin of Whale Tail Lake, refer to the Whale Tail Project - Erosion Management Plan (Agnico Eagle, 2018a).

### 3.7.2 Whale Tail Attenuation Pond

The Whale Tail Attenuation Pond is located in a deep part of Whale Tail Lake (North Basin), following the dewatering of the North Basin.

Starting at freshet 2020, the Whale Tail Attenuation Pond is one of the main contact water ponds for the project. Contact water from the Whale Tail WRSF Pond and runoff water in the open pits collected by sumps can be pumped to the Whale Tail Attenuation Pond.

Excess water is transferred to the IVR Attenuation Pond, to IVR Pit (to IVR 1; if required until August 2025, and then in IVR West, east lobe) or is treated by the WTP for TSS and arsenic if required prior to discharge to the receiving environment via the diffuser into Lake A16 (Kangislulik Lake) or Whale Tail South.

Monitoring of the effluent discharge to Kangislulik Lake or Whale Tail South is done as per the Water License requirement and MDMER regulation and is detailed in the Whale Tail Pit Water Quality and Flow Monitoring Plan (Agnico Eagle, 2019b).

### 3.7.3 IVR Attenuation Pond

The other main contact water pond of the Project (i.e., IVR Attenuation Pond) is located in the former Lake A53, following the A53 dewatering and IVR Dike construction. Contact water from the IVR WRSF collection system, the Whale Tail WRSF Pond, and runoff water in the open pits collected by sump can be pumped to the IVR Attenuation Pond.

Excess water will either be transferred to the Whale Tail Attenuation Pond, to IVR Pit (to IVR 1; if required until August 2025, and then in IVR West, east lobe ) or be treated by the WTP for TSS and arsenic if required prior to discharge to the receiving environment via the diffuser into Lake A16 (Kangislulik Lake) or Whale Tail South.

### 3.7.4 Water Management in Whale Tail Waste Rock Storage Facility

The Whale Tail WRSF will be used to permanently store all waste rock and overburden from mining activities.

Seepage and runoff from the Whale Tail WRSF during the construction and operational phases is managed via the Whale Tail WRSF Pond, isolated by the Whale Tail WRSF Dike, where the contact water is pumped to the Whale Tail Attenuation Pond or to the IVR Attenuation Pond.

Runoff from the ultimate footprint of the Whale Tail WRSF will report to the Whale Tail WRSF Contact Water Collection System and the IVR Pit.

All overburden have been co-disposed with waste rock within the WRSF. More details about management of the Whale Tail WRSF are presented in the Whale Tail Mine – Waste Rock Management Plan (Agnico Eagle, 2024a).

In April 2019, O'Kane Consultants developed a landform water balance model for the Whale Tail and IVR WRSFs (OKC, 2019). Information on the landform water balance model can be found in the report referenced in the waste management plan (OKC, 2019). The objective of the landform water balance was to estimate the runoff, interflow, and basal seepage rates for different slopes and aspects of the Whale Tail and IVR WRSFs.

### 3.7.5 Water Management in IVR Waste Rock Storage Facility

The IVR WRSF is in operation since the IVR Pit was initiated. Runoff from the IVR WRSF is sent to the IVR Attenuation Pond. The total catchment of the IVR WRSF increases proportionally with the increase in waste rock footprint.

### 3.7.7 Water Management for Ore Stockpile Areas

The ore stockpiles are located within the catchment of the Whale Tail Attenuation Pond or the IVR Attenuation Pond as shown in Appendix A. Based on the topographic information, contact water will naturally flow to the Whale Tail or IVR Attenuation Ponds for further treatment. If deemed required channels will be constructed and water management systems (i.e., pump, piping, etc.) will be installed to direct runoff to the pond.

The Ore Stockpiles are designed based on the following considerations. A cover of overburden and/or waste rock was placed over original ground to reduce any thaw-induced differential settlements. Waste rock was then placed to follow the natural topography, thereby reducing the likelihood of water ponding on the surface of the pad requiring additional maintenance. Any surface run off from the ore stockpile or the pad will be directed to the Attenuation Pond containment area.

### 3.7.8 Water Management for Quarry 1

Until freshet 2020, Quarry 1 was used as the main contact water pond for the Whale Tail site. Prior to commissioning of the Whale Tail Attenuation Pond, contact water collected from the Stage 1 WRSF sump, from the starter pit, construction, and industrial sectors was pumped to Quarry 1. The contact water from Quarry 1 was pumped to Kangislulik Lake without treatment when the water quality met discharge criteria. The discharge was done via the permanent diffuser in Kangislulik Lake. If needed, water was treated via the Water Treatment Plant to meet discharge criteria.

As of 2021 Quarry 1 is part of Whale Tail Pit and is no longer available to be used as a storage area for water management.

### 3.7.9 Water Management for the Whale Tail Open Pit Sector

The Whale Tail open pit is planned to extend to approximately 270 m below the ground surface. The open pit will be mined mostly within permafrost except for the north-central portion of the pit which will be within the closed talik at the northern end of Lake A17 (Whale Tail Lake). The pit does not extend through the bottom of the closed talik; however, the open pit acts as a sink for groundwater flow during operations, with water induced to flow up through the open talik beneath the central portion of Lake A17 (Whale Tail Lake) and into the open pit. Accordingly, groundwater inflows into the open pit are expected; this water will be mixed with the open pit contact water and pumped to the IVR Attenuation Pond and/or the Whale Tail Attenuation Pond for further treatment.

The overall inflow to the pit is not expected to decrease significantly as the pit deepens because the flow of water is primarily through the permeable weathered bedrock and because the lower portion of the pit is in permafrost. It is important to note that most of the volume is expected to be due to seepage from Whale Tail South and the Whale Tail Attenuation Pond.

Groundwater inflow predictions during operations conservatively assume that no freeze back will occur in the pit walls during mining. This assumption was adopted for Whale Tail Pit to be conservative and because during the first few years of mining, the pit will be both widened and deepened, resulting in the continual exposure of unfrozen bedrock. During the later years of mining, however, the pit development will be entirely within the permafrost and significant freeze back in the pit walls is considered possible and has been observed at Meadowbank. Although not simulated, if freeze back does occur as is the case at Meadowbank, actual groundwater inflow to the pit could be significantly lower.

TDS concentration in the groundwater inflow to the pit was predicted to decrease during mining. The relatively low TDS concentration and decrease in TDS over time reflects the minimal upwelling of higher salinity waters at depth due to the presence of the permafrost at the base of the pit and the high contribution of lake water and Whale Tail Attenuation Pond water.

### 3.7.10 Water Management for the IVR Open Pit Sector

The IVR Pit is located north of Whale Tail Lake, within the Northeast Sector in the permafrost environment, thus no groundwater inflows are predicted. Water management infrastructures are designed to only manage runoff water reporting to the pit during freshet. The IVR Pit runoff is conveyed to the active attenuation pond (i.e., IVR Attenuation Pond). Since 2023, water from Whale Tail Attenuation Pond and from IVR Attenuation Pond is transferred to IVR Pit for temporary storage, the aim being to minimize water load into both Attenuation Pond during winter and facilitate the operation of the Water treatment Plant.

### 3.7.11 Water Management for the IVR and WT Pit Pushbacks

During operations, the water is managed within the pits as detailed in Sections 3.7.9 and 3.7.10. No additional water management infrastructure is required for this activity. The IVR Pushback may be used as a staging sump prior to being backfilled.

### 3.7.12 Water Management for Haul Roads

A network of access and haul roads will connect the ore body to the Whale Tail and IVR WRSF Sector and the Industrial Sector. Most of the roadways servicing the mining area will drain directed towards the proposed contact water management infrastructures. Detailed information on roads is described in the Whale Tail Pit Haul Road Management Plan.

The approach to water management for these roads will involve the implementation of local best management practices during the construction, operational, and closure phases. The roads are constructed of non-potential for acid generating and non-leaching waste rock from mining operations. Other best management practices will strive to minimize the amount of runoff originating from the roadways and to prevent the migration of surfacing material from the roadways and crossings. Any areas identified as point sources of runoff originating from the roadways or crossings can be managed locally with silt fences, straw booms, turbidity curtains, interceptor channels, rock check dams, and/or small sedimentation ponds.

### 3.7.13 Water Management for Landfill

The landfill is developed within the Whale Tail Waste Rock Storage Facility (WRSF), which is located north of the Kangislulik Lake therefore, minimizing the disturbed area. This landfill consists of multiple sub landfills that are built and buried according to the evolution of the RSF. As the RSF evolves, the elevation and location of the sub landfills change. The landfill is located within the catchment of the Whale Tail WRSF Pond, as shown in Appendix A. Based on the topographical information, runoff and any seepage from the landfill will naturally flow to the Whale Tail WRSF Pond and then be pumped to the Whale Tail Attenuation Pond for further treatment before discharge.

Further information on the management of this facility is described in the Whale Tail Pit Landfill and Waste Management Plan.

### 3.7.14 Sludge and Brine Management from Water Treatment Plants

This section summarizes water treatment requirements and is extracted from the Mean Annual Water Balance and the Mine Site and Downstream Receiving Water Quality Predictions, from Golder Associates, both dated May 2019. Any water requiring treatment will be pumped to the water treatment plant(s) prior to discharge through the diffuser in Kangislulik Lake or through a diffuser in Whale Tail Lake (South Basin) or other alternative discharges.

Sludge disposal will be done in the Whale Tail WRSF.

OPERATION WATER TREATMENT PLANT (WTP)

The arsenic and TSS water treatment plant (WTP) was commissioned at the beginning of May 2019, to treat the final dewatering volumes from Whale Tail Lake (North Basin). This plant is used to treat surface water for TSS and arsenic before discharging to an approved diffuser.

Sludge water from the Operation Water Treatment Plant (OWTP) is dewatered with a centrifuge to produce a cake having a density with 20% of solid content. This cake will be stored in the Whale Tail WRSF. The maximum predicted annual volume of cake from the OWTP is approximately 5,760 cubic metres ($m^3$).

TDS WATER TREATMENT PLANT (S-WTP)

The S-WTP is not needed according to the latest water balance as the current underground mining plan is designed to minimize the inflows requiring TDS treatment by staying in the permafrost. The S-WTP would include a TDS Treatment plant if required.

The concept for the TDS Treatment plant would be to treat low salinity water that is stored in the GSP-2 until closure. The TDS Treatment plant would be active only from June through September. The permeate would be combined with the WTP effluent for discharge from site. The brine produced from the TDS Treatment plant would be stored in GSP-1. The S-WTP could also include two Desalination units, which would treat water stored in GSP-1. The salt solid produced from treatment would either be used at site and/or shipped off site, and the permeate would be combined with WTP effluent for discharge from site.

Agnico Eagle is currently developing an Underground Project limited into the permafrost only. This change results in no more treatment and discharge of saline water to Whale Tail Lake. The water management strategy for underground water would only be based on storing water in GSP-1 and GSP-2. High and low salinity water would not be segregated anymore.

### 3.7.15 Underground Water Management

Underground development groundwater and contact water will be managed in dedicated surface infrastructures for contact water. For underground water management, the following key strategies were implemented to develop the underground water Management Plan:

- A Groundwater Storage Pond system (GSP) is designed to capture TDS (salt) affected waters. Up to three GSPs are planned to provide operational flexibility and adaptive management opportunity.
- Excess water volumes in the underground mine will be managed through the Underground Mine Stope and GSP-1and IVR 1 Pit (; if required after June 2028).

- Excess water volumes may also be managed with GSP-3 (planned for contingency, operational flexibility, and adaptive management opportunity) or managed as temporary storage in IVR Pit.
- Water stored in GSP-1 and GSP-2 could be used as a source for dust suppression on surface roads, as input into the cemented rockfill, or used for drilling activity underground.
- At the end of underground mining, any remaining water in the GSP ponds and IVR Pit will be umped underground for flooding of the underground workings.

### 3.7.16 Non-Contact Water Management

The non-contact water management systems are described below. These systems are required to meet the objective of avoiding mixing contact and non-contact water.

Whale Tail Dike Seepage Discharge to Whale Tail Attenuation Pond

The non-contact water seeping from Whale Tail Dike (WTD) is collected into the seepage collection system before reaching the Whale Tail Attenuation Pond. Water quality samples are taken from the seepage to monitor pH and turbidity. . The seepage collection system consists of a longitudinal collection trench that runs along the downstream toe of the dike and redirects the water towards the WT Attenuation Pond. In addition to the trench, pumping wells can be used to minimize the volume of water reporting to Whale Tail Attenuation Pond. Note that to date, it hasn't been considered necessary to use this system.

Seepage water, collected from this system, can be discharged into the Whale Tail South Basin via a diffuser without treatment if the water quality meets the discharge criteria of the Water License 2AM-WTP1830. If discharge criteria are not met, water will overflow from the pump stations to the Whale Tail Attenuation Pond, and then will be pumped through the WTP for discharge.

When pumping system is in operation, routine monitoring of the seepage water quality from each pump station will be as per the Water Licence 2AM-WTP1830 and the Metal and Diamond Mining Effluent Regulation (MDMER). This monitoring will allow Agnico Eagle to put mitigation measures (for example, treating the water via the WTP) in place if needed. Turbidity and pH will also be monitored.

Since 2020, following the Whale Tail Dike grouting campaign, the seepage pH results indicated an increase above the acceptable limit indicated in the Water License 2AM-WTP1830. The seepage collected from the system was therefore pumped to the Whale Tail Attenuation Pond. Agnico Eagle will continue to closely monitor the situation.

IVR Diversion Channel

The IVR Diversion channel is intended to collect non-contact runoff water from the east side of the Nemo watershed and divert it by gravity to Nemo Lake. This infrastructure is 260 m long and allows

minimizing the volume of non-contact runoff water reporting to the IVR Pit area. The IVR Diversion Channel construction has been completed in 2020.

South Whale Tail Channel (SWTC)

Construction of the South Whale Tail Channel (SWTC) was completed in 2020 prior to the freshet. The SWTC connects Whale Tail South basin to Kangislulik Lake. The 900 m long channel is approximately 5m wide at the base with lateral slopes of 3H:1V. Once excavated, the channel was covered with multiple layers of coarse and fine materials, rip rap, and a layer of geotextiles to ensure minimal TSS in the flow reporting to Kangislulik Lake and also preventing erosion. At the outlet of the channel, a turbidity barrier was installed and will remain in place as a supplementary protection to avoid TSS flowing into Kangislulik Lake. The channel allows Agnico Eagle to naturally control the Whale Tail South water level without any mechanical transfer intervention. Details of the channel construction can be found in the as-built report (SNC, 2020).

#### *3.7.16.1 Adaptive Management for Non-Contact Water*

In order to adequately manage non-contact water on site, some passive flows have been in the past substituted with a pumping alternative that complies with the original intent of the approved water balance and Water License 2AM-WTP1830 (same origin and destination of water). Those systems were proposed as adaptive management methods, in response to the encountered site conditions during open water season and the high volume of precipitation received, resulting in additional volume of water to manage.

North-East Pond to C-watershed

The non-contact water from the North-East (NE) Pond watershed was initially planned to overflow by gravity toward Nemo Lake once the North-East Dike was operational. During a routine inspection in July 2019, it was observed that the topography toward Nemo Lake would not allow water to overflow naturally before overtopping the dike liner. Following this observation, water was pumped from NE Pond toward the project site as per approval from NWB, adding pressure on dewatering activity. The water from the NE Pond was then pumped to the tundra within the Nemo watershed (Watershed C). This system for water level management was operational in 2019 and 2020 prior to the dewatering of the IVR footprint and was used to manage the water level in the NE Pond when required, until NE Dike was dismantled in late 2020.

North-East Sector Pond Management

During the summer of 2019 and 2020, significant water inflows from Lake A49 towards the Whale Tail Pit area were noticed. Maintaining the water elevation in Lake A49 throughout freshet was required to avoid the transformation of non-contact water (Lake A49 overflow) to contact water (pit water).

The objective of this water transfer was to minimize contact water creation. Water was sent into the North-East Pond. Lakes A47 and A49 were dewatered in 2020 as part of the IVR Pit development.

A53 Lake to Whale Tail South

The non-contact water from the A53 watershed was planned to be redirected to Whale Tail South through the East Channel.

Prior to the dewatering phase, the water level in Lake A53 was maintained to the natural level by pumping the exceeded volume to Whale Tail South as per previous approval from NWB. Regular water level monitoring was conducted at this time. The monitoring aligns with the Water License 2AM-WTP1830 requirements, Schedule I Table 2 for ST-WT-7 and as per Part F Item 7 for TSS limits.

Once the dewatering phase was completed, as explained in Section 3.6 of this report, A53 became the IVR Attenuation Pond.

Whale Tail South Discharge to Kangislulik Lake

The non-contact water from Whale Tail South Basin was pumped to Kangislulik Lake in 2019 as per approval from NWB. This pumping activity was required to manage and then maintain the water level in Whale Tail South Basin, in order to allow for the construction of the Whale Tail South Channel (SWTC) and preserve the integrity of Whale Tail Dike. This system temporarily substituted passive flow via the SWTC with a pumping alternative that complies with the original intent of the approved water balance and Water License 2AM-WTP1830 (same origin and destination of water). This pumping activity also provided flexibility and added robustness to the water management strategy. Discharge was completed via a diffuser to avoid erosion into Kangislulik Lake. Since 2020, no mechanical transfer from Whale Tail South to Kangislulik Lake occurred but Agnico might re-use this system in the future to appropriately manage water on site.

## 3.8 Freshwater Management

The permitted freshwater sources as per the Water License 2AM-WTP1830 are Nemo Lake (all purpose), Kangislulik Lake (explosive mixing and associated use), Lake D1 (Re-flooding of Whale Tail Pit, IVR Pit, Underground mine, and Whale Tail (North Basin) and associated use, or as otherwise approved by the Board in writing), and Whale Tail South (Re-flooding of Whale Tail Pit, IVR Pit, Underground mine, and Whale Tail (North Basin) and associated use, or as otherwise approved by the Board in writing).

Freshwater usage includes potable use, fire suppression, dust suppression, drilling water (if contact water is not available), water for the emulsion plant (trucked from the Nemo Lake pumping station), and water for the truck shop. The freshwater source is Lake C38 (Nemo Lake), and Lake A17 (Whale Tail Lake) during closure. For explosives mixing and associated use, the water could also be pumped from Lake A16 (Kangislulik Lake), as per Part E, condition 1 of the Water License 2AM-WTP1830. Agnico Eagle will endeavour to minimize the amount of freshwater required for the Project, where

possible. Table 3.6 summarizes the authorized water use for domestic and industrial purposes during construction and operation.

**Table 3.6 Water Use Authorized for Domestic and Industrial Purposes During Construction and Operation**

| Source | Volume ($m^3$/year) | Purpose |
|---|---|---|
| Nemo Lake | 209,544 | Domestic camp use, drilling dust suppression, Construction, and Operations and associated use or as otherwise approved by Board in writing |
| Kangislulik Lake | 2,500 | Explosive mixing and associated use |
| Whale Tail Lake (North Basin), Lakes A-P38, A-46, A47, A49, A50, A51, A52, A53, A-P21, A-P10, A-P67 and A-P68 | 153,735 | Dewatering |
| Source Proximal to drilling sites | 109,135 | Drillings |
| Source proximal to the Whale Tail Haul Road | 109,135 | Dust Suppression |
| **Annual Subtotal** | **584,049** | Above-described sources |
| **Annual Contingency (20 %)** | **116,810** | Above-described sources |
| **Annual Total** | **700,859** | |

Freshwater is primarily sourced through a freshwater intake and pump system. The intake consists of vertical filtration wells fitted with vertical turbine pumps that supply water on demand. The intake is connected to the pump house with piping buried under a rockfill causeway. The intake pipe exits at the bottom of the causeway and is fitted with a stainless-steel screen, as per Part E, condition 4 of the Water License 2AM-WTP1830. The rockfill causeway acts as a secondary screen to prevent fish from becoming entrained.

The stainless-steel screens design for the water intake is consistent with the Fisheries and Oceans Canada (DFO) “Freshwater Intake End-Of-Pipe Fish Screen Guideline” (DFO 1995). As per the DFO policy intake screens will be cleaned every 2 years. The freshwater intake will be moved to Whale Tail Lake (South Basin) at closure.

Freshwater is pumped to an insulated main storage tank located at the Whale Tail Camp. The freshwater pipeline is made of a high-density polyethylene pipe and insulated, and heat traced. The Whale Tail Camp has a Freshwater Treatment Plant (potable). In the Potable WTP, the freshwater first

goes through sand filters and then is pumped through ultraviolet units, and finally treated with chlorine. The treated water is stored within a potable water tank. Potable water is monitored according to the Nunavut health regulations for total and residual chlorine and microbiological parameters. Treated potable water is piped to other facilities requiring potable water. Detailed plant operation specifications were provided in FEIS Volume 1, Section 1. 2.4.1.

Freshwater and potable water use is required during operations and additional freshwater will be required from Whale Tail Lake at closure. The current Type A Water Licence Part E Item 1 and 2 provides for a maximum quantity of water use not to be exceeded at 700,859 $m^3$ annually during construction and operation as well as 14,855,606 $m^3$ annually during closure. The freshwater usage from Nemo Lake needs to respect the license limit of 209,544 $m^3$ per year.

It is important to note that total annual withdrawals of water from Nemo Lake (209,554 $m^3$/year) will remain well below the lake's annual inflow volume of approximately 476,000 $m^3$ (based on the mean annual water balance of the lake under baseline conditions), and DFO's guideline of 10% of the under ice volume for the duration of operations (i.e., under-ice volume of 6,170,000 $m^3$ derived from FEIS Addendum Appendix 6-M submitted with the Whale Tail Pit - Expansion Project). Residual effects to fish and fish habitat are therefore expected to be negligible.

Following the end of operations, site contact water including contact water in the underground mine watershed (GSP ponds) will be pumped into the underground mine; the remaining voids will be filled with Whale Tail Lake (South Basin) water. The dewatered Whale Tail Pit and IVR Pit area will be filled with a combination of natural runoff and contact water from the entire site (i.e., the Whale Tail and IVR WRSF Contact Water Collection Systems and the Whale Tail and IVR Attenuation ponds), and water pumped from Whale Tail Lake (South Basin). Contact water in the underground mine watershed (GSP ponds) will not be used for this purpose because of their anticipated higher salinity. This water will be used only to flood underground workings. It is anticipated that approximately 75,000,000 $m^3$ over 16 years from Whale Tail Lake is required to fill the mined-out Whale Tail Pit (i.e., approximately 57,000,000 $m^3$), IVR Pit (i.e., approximately 11,000,000 $m^3$), underground mine (i.e., approximately 1,000,000 $m^3$) and Whale Tail Lake (North Basin) (i.e., approximately 6,000,000 $m^3$), including approximately 2,900,000 $m^3$/year from Whale Tail Lake (South Basin).

As per part E, condition 2 of the Water License 2AM-WTP1830, the use of water from Whale Tail Lake shall not exceed a total of 10,655,000 $m^3$/year commencing when notification of closure is received by the NWB through to the expiry of the Licence. The limit for Nemo Lake is 14,672 $m^3$/year and the limit for Lake D1 is 1,710,000 $m^3$/year, both commencing when notification of closure is received by the NWB through to the expiry of the Licence.

## 3.9 Sewage Water Management

Sewage is collected from the camp and change-room facilities and pumped to a sewage treatment plant (STP). The objective of the STP is to treat sewage to an acceptable level for discharge to the

Whale Tail or IVR Attenuation Ponds via a sewage water discharge pipeline. The STP is housed in a prefabricated (modular) structure located in the Whale Tail Camp. The sewage treatment system is designed based on the occupation maximum of the camp for 400 persons (240L per day and per person). The design average daily flow is 96 $m^3$/day (4 cubic metres per hour [$m^3$/hour]).

Previously, the sewage treatment plant at the Amaruq camp could accommodate 400 workers. With the addition of four wings to the Operations Camp for the project expansion, the total camp capacity was increased to 546 workers. An expansion of the sewage treatment systems was thus required. These systems are built with typical 40-foot containers.

No major change in operation or water quality happened as a result of this expansion. The upgraded sewage treatment system is designed based on a flow rate of 240 L per day per room for 546 people, for an average daily flow rate of 131 $m^3$/day (5.42 cubic metres per hour [$m^3$/hour]).

The sewage treatment plant receives two streams of sewage. The first source is domestic sewage, which is fed directly to the fine screening process to remove any fibers or debris that might damage the membranes. The second source is kitchen sewage which is pre-treated in the oil and grease tanks to remove oil and grease prior to being fed into the fine screen.

The STP for the camp facilities is designed to meet appropriate guidelines for wastewater discharge (for example, NWT Water Board 1992). Wastewater System Effluent Regulations (WSER) criteria are not currently applicable to systems located in Nunavut and is unlikely to apply to the Project effluent quality.

Table 3.7 provides the anticipated performance of the system compared to the WSER criteria. Further information on the management of this facility is described in the Whale Tail Sewage Treatment Plant Operation and Maintenance Manual (Agnico Eagle, 2019a). As stipulated in Part B, Item 17, Agnico Eagle will review the Plans as required by changes in operation and/or technology and modify the Plans accordingly in the form of an addendum to be included in the Annual Report.

**Table 3.7 Effluent Quality and Wastewater Characteristics**

| Parameter | Units | Regulatory Limit | Design Value |
|---|---|---|---|
| **Wastewater** | | | |
| • Biochemical Oxygen Demand | mg/L | - | 952 |
| • Total Suspended Solids | mg/L | - | 300 |
| • Total Kjeldahl Nitrogen | mg/L | - | 130 |
| • Ammonia Nitrogen | mg/L | - | 130 |
| • Fat, Oil, and Grease | mg/L | - | 30 |
| • pH | - | - | 6 to 9.5 |
| • Water Temperature | ˚C | - | 10 to 25 |
| • Alkalinity | mg/L as $CaCO_3$ | - | 471.1 |
| • Prohibited Chemicals/Compounds | Not present | | |
| • Grinder Pumps | Not present upstream of MBR | | |
| **Effluent** | | | |
| • pH | - | 6-9.5 | 6.5 to 8.5 |
| • Carbonaceous Biochemical Oxygen Demand | mg/L | <25 | <5 |
| • Total Suspended Solids | mg/L | <25 | <1 |
| • Un-ionized Ammonia | mg/L | <1.25 | <0.08 |
| • $N0_3$-N | mg/L | <5 | 4 |
| • TP | mg/L | <0.5 | 0.5 |
| • Fat, Oil, and Grease | mg/L | <5 | <1 |
| • Fecal Coliform | CFU/100mL | <200 | Non-Detect |
| • Total Residual Chlorine | mg/L | <0.02 | 0 |

1. Noted values are assumed blended between kitchen and dormitory wastewater after the grease trap.
2. A complete list of prohibited chemicals is included in the membrane maintenance manual.

## 3.10 Water Management During Closure

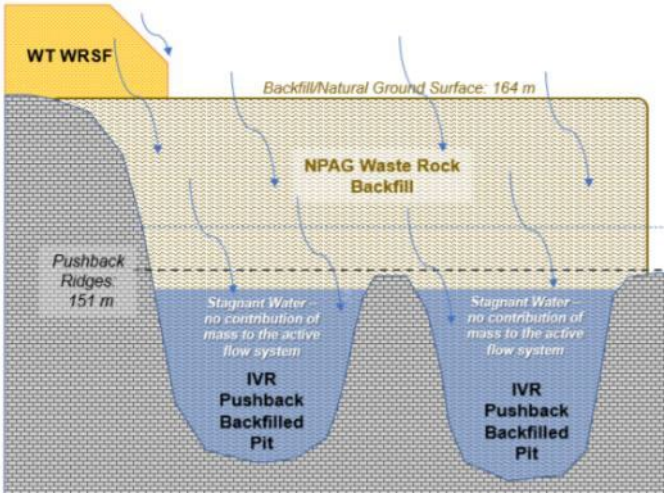
Mine closure is integral to the mine design and will be modified during operations. Planning for permanent closure is an active and iterative process. The intent of the process is to develop a final closure plan including specific water management components using adaptive management. This begins during the mine design phase and continues through to closure implementation. Adaptive management enables the plan to evolve as new information becomes available through analysis, testing, monitoring, and progressive reclamation. The mine closure and reclamation activities are provided in the Whale Tail Pit Interim Closure and Reclamation Plan and will be detailed in the Final Closure and Reclamation Plan.

Water management during closure and reclamation will involve actively filling the underground facilities, Whale Tail Pit, and IVR Pit, and passively allowing the Whale Tail Attenuation Pond and the Whale Tail Pit to flood. The Groundwater Storage Ponds and IVR Attenuation Pond will be emptied at the start of closure and backfilled with NPAG/NML waste rock. The Whale Tail and IVR WRSFs will be

progressively covered with NPAG/NML waste rock throughout operations and are expected to be completely covered at the beginning of closure.

The pushback in the IVR pit will be filled with NPAG-NML waste rock and be naturally refilled by water inflows as described above. Figure 3.10-1 shows the conceptual approach to water flow in the upper portion of the pit which would eventually flow into Whale Tail Pit.

**Figure 3.10-1 Conceptual Representation of Water Flow in IVR Pushback During Closure**




Water management during closure and reclamation will involve maintaining contact water management systems including water treatment plant on site until monitoring results demonstrate that water quality is acceptable for discharge of all contact water to the environment without further treatment. Once pit lake water quality meets the discharge criteria, the water management systems will be decommissioned to allow the water to naturally flow to the receiving environment. In 2018, a Whale Tail WRSF seepage analysis and hydrodynamic modelling of Kangislulik Lake were conducted to address NIRB project certificate Term and Condition no. 6a. The objectives were to assess Kangislulik Lake near-field water quality at the WRSF seepage outlet post-closure and to evaluate seasonal water circulation patterns in Kangislulik Lake resulting from effluent discharge. This analysis also aimed to predict and evaluate the water quality within Kangislulik Lake during operations and post-closure (Golder, 2019c). Results show that no modification to the water management strategy is needed concerning closure activities and sequence.

Runoff from the Whale Tail WRSF and discharge from Whale Tail Lake (North Basin) (IVR runoff flows to Whale Tail Lake (North Basin)) will enter and mix in Kangislulik Lake. Concentrations outside the mixing zone of the Whale Tail WRSF contact water plume are predicted to meet receiving water quality criteria. Results of the studies showed that baseline drainage patterns of the East Sector need to be re-established to direct runoff towards the Whale Tail Attenuation Pond, including runoff over the backfilled IVR Attenuation Pond. Runoff from the IVR WRSF and the backfilled Groundwater Storage Ponds need to be passively directed to the Whale Tail Pit. The IVR Pit walls are composed

primarily of south komatiite and basalt with some north greywacke rock. Based on these predictions, a control mechanism may be required for IVR Pit Walls including re-sloping and cover placement, or adapted contact water management.

The dewatered Whale Tail Pit and IVR Pit area will be filled with a combination of natural runoff and contact water from the entire site (i.e., the Whale Tail and IVR WRSFs Contact Water Collection Systems and the Whale Tail and IVR Attenuation Ponds), and water pumped from Whale Tail Lake (South Basin). The runoff and seepage from the Whale Tail WRSF and IVR WRSF will continue to be collected in the designated collection ponds and pumped to Whale Tail Lake (North Basin) during active closure (re-filling). Water quality will be monitored during flooding and until results demonstrate that water quality conditions from the WRSFs are acceptable for direct discharge. Based on the cover thermal model results, the Whale Tail WRSF and IVR WRSF will be covered with a cover of 4.7 m thick to be constructed with NPAG/NML waste rock. The objective of the cover is the control of acid generating reactions and of migration of contaminants by freezing. Consistent with the Approved Project, the segregation of the PAG/NPAG and ML/NML waste rock will occur during the operation of the mine.

The key water management activities during mine closure are summarized below. Appendix B shows the water management flowsheets during mine closure phases.

- The Active Closure phase begins in July 2028, immediately following the cessation of mining operations. The Active Closure phase is defined by the period of time required to fill the Whale Tail North Basin to its final Post-Closure target water level of 153.5 m, which takes approximately 17 years.
- The Post-Closure phase begins in July 2046, and represents the long-term equilibrium condition once the A18 Lake complex, Whale Tail South Basin and Whale Tail North Basin have reached their target water levels.

Specific activities associated with the Active Closure phase include:

- Groundwater collected in GSP-1 and the IVR Pit is pumped into underground mine void.

The A47 and A49 Sumps are assumed to report passively to the IVR Pit:

- Active water treatment continues in June to September each year for an additional six years (2028-2033);
    - Contact water is pumped from the IVR Attenuation Pond, treated and discharged into the IVR Pit;
- Construction of a sill (A18 Sill) between Lake A18 and Whale Tail South Basin to raise the water level to 155.3 m as part of the approved fish habitat offset plan. This is completed in 2029,

once the water level in Whale Tail South Basin drops below 154 m due to active pumping to the mine voids.

    - Discharge through the A18 Sill is governed by the spill notch invert configuration, as described in Section 3.7.2.

- Completion of reclamation activities for all disturbed areas (including completion of the NPAG/NML WRSF covers, and backfill of the IVR Pit Pushbacks, GSP-1 and IVR Attenuation Pond) by the end of the third year of Active Closure (2031).
- Active pumping from Whale Tail South Basin and Whale Tail WRSF Collection Pond to fill the mine voids, according to the following priority sequence:
    - Underground mine;
    - IVR Pit;
    - Whale Tail Pit and Whale Tail Pit pushback; and,
    - Whale Tail North Basin.

Water from the Whale Tail South Basin is pumped into the remaining mine voids, at a maximum rate of 2,800 $m^3$/hour in the second half of 2028, and 1,600 $m^3$/hour over the remaining 17 years. This pit flooding program will be active during the open water season only, assumed to span June 1 to September 30 of each year. Per the 2021 Water Management Plan, an additional 161,000 $m^3$ (55 $m^3$/hour) is pumped from Whale Tail South Basin during the same annual pumping window to the mine voids to meet the target of restoring the Whale Tail North Basin water level to 153.5 m by September 2049. This results in a total pumping volume of 4.6 $Mm^3$ in 2028 and 2.1 to 4.1 $Mm^3$/year for the remainder of the Active Closure phase (2029 to 2046). To promote pit flooding, all contact water from the mine site is directed, either actively (e.g., pumping from the Whale Tail WRSF Collection Pond) or passively, to the open pit voids. The underground mine, Whale Tail Pit and IVR Pit are not hydraulically connected below their respective spill point elevations and are assumed to form separate reservoirs within the model. Once the Whale Tail Pit and IVR Pit are full to the sill elevation, they conjoin into the Whale Tail /IVR Complex.

The west lobe of the IVR Pit spills into the east lobe at 102 m, and IVR Pit as a whole spills into the Whale Tail Pushback at 123 m, which in turn spills into the Whale Tail Pit at 117 m. The two lobes of the IVR Pushback will not join with the larger IVR Pit once full but will spill into the IVR Pit at 161.5 m.

Seepage through the Whale Tail Dike is expected to continue, according to the gradient between water levels in Whale Tail South Basin and the Whale Tail Attenuation Pond. Once full, the Whale Tail Attenuation Pond overflows to the Whale Tail Pit.

Once the Whale Tail North and South Basins have stabilized at their target elevations, and water quality within these reservoirs meets SSWQOs, the Whale Tail Dike will be breached to elevation 153.5 m and the Whale Tail WRSF Pond Dike will be breached to allow flows from the covered Whale Tail WRSF to report passively to Whale Tail North Basin. The site is assumed to have achieved the Closure and Reclamation targets at this point (approximately 2047).

### 3.10.1 Contact Water Collection System

The contact water collection system will remain in place to collect surface runoff water and seepage from the mine site until the open pits are flooded. During this period, the Industrial Sector and the Whale Tail Camp will be reclaimed, and the non-essential site infrastructure will be removed. Thereafter, water in these sectors will no longer be collected and will contribute to the reestablishment of the natural elevation of Whale Tail Lake (North Basin). The Mammoth Dike and Whale Tail Dike will remain in place until pit lake water quality meets receiving environment water quality objectives. If this occurs after full flooding as is predicted at this time, the pit lake water elevation will be maintained at 153.5 masl by pumping from Whale Tail (South Basin) to the North Basin, and through controlled discharge from Whale Tail (North Basin) to Kangislulik Lake over the Kangislulik Lake sill.

In the Whale Tail WRSF Sector, the contact water collection system will remain in place. Dikes will not be reconnected until the water quality in the flooded area meets Closure water quality objectives.

In closure, water from the Whale Tail WRSF contact water collection system is used to actively flood IVR Pit, and the IVR WRSF water is directed to Whale Tail Pit. In post-closure, water from the Whale Tail WRSF contact water collection system is allowed to flow passively to Kangislulik Lake as baseline drainage patterns are re-established. Lower volumes and chemical loading of water originating from either of the WRSFs would improve water quality throughout closure in the Whale Tail and IVR Pits, and in Kangislulik Lake in post-closure.

Dike decommissioning will involve the removal (breach) of a portion of the dikes to original ground levels whenever possible. Consideration will be given to breach staging, with the above water portions of the dike/berm in the breach area removed during winter periods, when there will be little surface water flow, thereby minimizing the potential release of sediments to the neighbouring waterbodies. The remainder of the breach would be completed during the open water season following freshet to allow for the deployment of turbidity curtains to control potential releases of sediment.

For water collection and management systems closure the infrastructure will be re-contoured and/or surface treated according to site-specific conditions to minimize wind-blown dust and erosion from surface runoff, if required. This closure activity is intended to enhance site area development for re-colonization by native plants and wildlife habitat.

### 3.10.2 Post-Closure Modeling Results Summary

Active flooding of the underground mine voids and pit lakes spans the period from July 2028 through June 2046 (Active Closure). The Whale Tail North Basin is filled to its final water level of 153.5 m by July 2046, which marks the onset of Post-Closure. Phosphorus and arsenic predictions in the flooding pit lake complexes and downstream lakes are presented in the following subsections.

Groundwater collected in IVR Pit at the end of mine life is pumped into the underground voids. A rapid improvement in water quality is predicted in the IVR Pit due to the removal of groundwater and initiation of active flooding in July 2028. In the first six years of Active Closure, site contact water is collected in the IVR Attenuation Pond, treated, and discharged into the IVR Pit. This includes 65% of pit wall runoff from the IVR Pit and Whale Tail Pit.

After IVR Pit flooding is completed in 2031, arsenic concentrations (Figure 3.10-2) start increasing again due to exposure to the remaining IVR Pit walls. This trend persists until the IVR Pit and Whale Tail Pit join above the 123 m sill elevation and form the Whale Tail IVR Complex in 2039.

The Whale Tail-IVR Complex starts contributing to the Whale Tail North Basin in September 2044, when water levels reach 150.5 m and the pit lake complex conjoins with the Whale Tail Attenuation Pond. Phosphorus concentrations predicted in the Whale Tail North Basin remain below the upper limit of the oligotrophic range throughout the closure phases (Figure 3.10-2). Arsenic concentrations are expected to be less than the SSWQO by the end of Active Closure, with values continuing to decline during Post-Closure (modelled out to 2069).

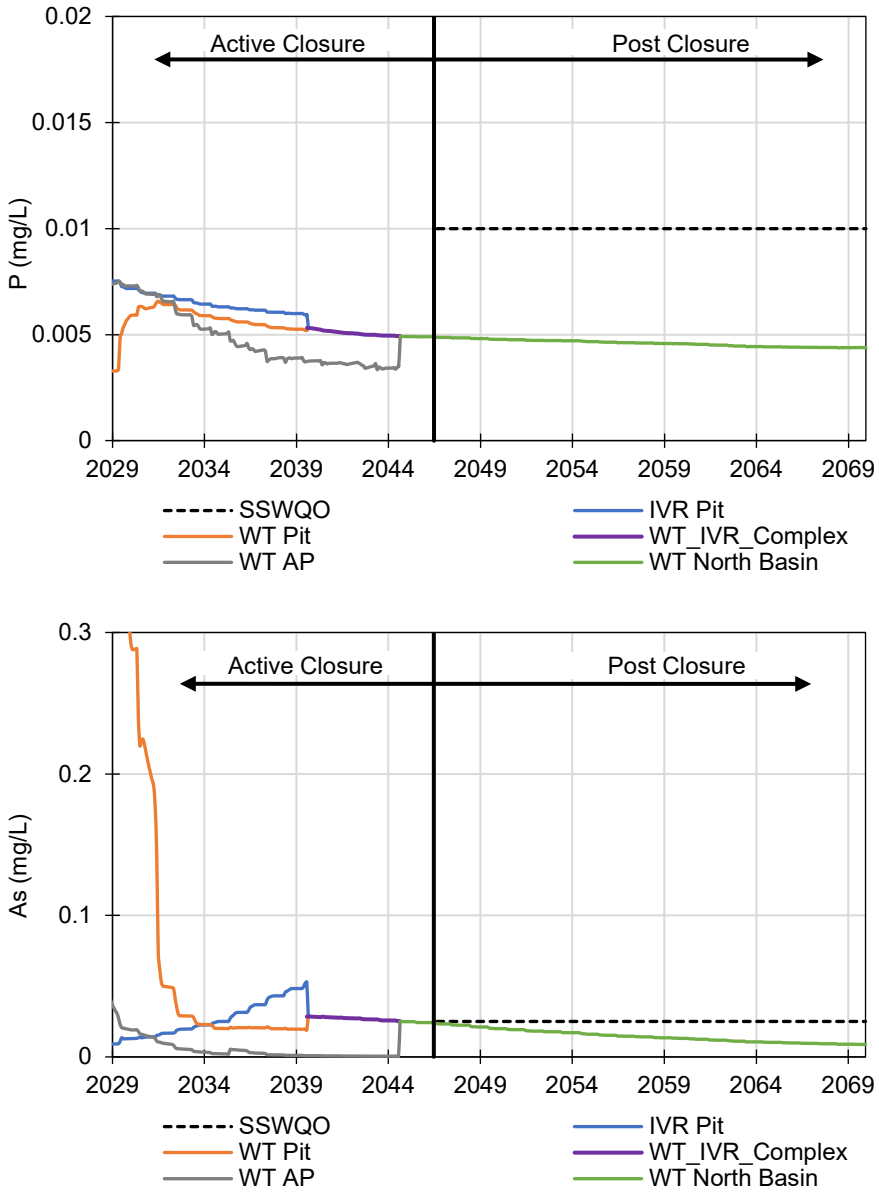



**Figure 3.10-2 Projected phosphorus (P) and arsenic (As) concentrations for pit lakes and the Whale Tail Attenuation Pond during Active Closure and Post-Closure**

Note: The Whale Tail North Basin is comprised of the Whale Tail Pit, IVR Pit, Whale Tail Attenuation Pond, and Kangislulik Lake from September 2044 onwards.

Water quality in the Whale Tail South Basin, Kangislulik Lake is expected to improve as mine discharges cease at the end of mine life. A declining trend is also predicted for phosphorus and arsenic concentrations in the closure lakes under the 2018 FEIS and the updated model scenarios during the active closure period.

An increase in arsenic concentrations is predicted at the beginning of Post-Closure in Kangislulik Lake and Lake A15 due to overflows from the flooded Whale Tail North Basin starting in July 2046. However, the impact of arsenic loadings from flooded pit lakes on the receiving environment is expected to be short-lived. For the remainder of the model horizon (up to 2069), arsenic concentrations are expected to decrease as non-contact flows from surrounding catchments report to the lakes. Overall, the model results show that all parameters are below their respective guidelines in the receiving lakes during Post-Closure.

## SECTION 4 • WATER QUALITY FORECAST

Water quality forecast reports are revisited on an annual basis until mine closure, as per the Water License part E item 6. The purposes of the water quality forecast are to identify the contaminants of concern (COC) during the pit flooding process and WRSF contact water mixing into Mammoth Lake post-closure and determine if water treatment will be required on site for closure activities when comparing the final contaminant levels to the water quality guidelines and/or site-specific criteria for parameters that are not included in the water quality guidelines.

A water quality model was completed for the 2024 Modification for the operations, closure, and post closure phases. The water quality model is included in Appendix C of this plan.

The water quality model results show that all parameters are predicted to remain below their respective water quality guidelines in receiving lakes during Operations. Once effluent discharge ceases in Active Closure, active treatment of water in IVR Pit will manage arsenic and phosphorus to allow for passive flooding of the pits. Once flooded, all parameters are expected to be below the respective guidelines post-closure.

## SECTION 5 • ADAPTIVE MANAGEMENT

Adaptive management will be achieved through performance monitoring and management actions that will be implemented, should they be triggered. Action level responses taken during the year will be documented in Agnico Eagle's annual report submitted to the NWB. The Whale Tail Pit Expansion Project – Adaptive Management Plan (Agnico Eagle, 2021) includes the specific adaptive management strategies related to water management. Three indicators relative to water management are tracked as part of the Adaptive Management Plan: water quality for Whale Tail Project waterbodies, water quantity for surface water management, and water quantity for underground water management.

## SECTION 6 • REFERENCES

Agnico Eagle (Agnico Eagle Mines Limited). 2024a. Whale Tail Mine – Waste Rock Management Plan, version 11, Meadowbank Division, March 2024.

Agnico Eagle (Agnico Eagle Mines Limited). 2024b. Water Management Report and Plan, version 12, Meadowbank Division, March 2024.

Agnico Eagle (Agnico Eagle Mines Limited). 2024c. OMS Manual – Whale Tail Water Management Infrastructures, Version 4, January 2024.

Agnico Eagle (Agnico Eagle Mines Limited). 2024d. Dewatering Dikes, Operation, Maintenance and Surveillance Manual, Meadowbank Division, January 2024.

Agnico Eagle, 2021. Whale Tail Pit Expansion Project – Adaptive Management Plan Version 1.5. Meadowbank Division, July 2021.

Agnico Eagle, 2020. Dike Construction and Dewatering Management Plan, Meadowbank Division, 2020.

Agnico Eagle (Agnico Eagle Mines Limited). 2019a. Whale Tail Sewage Treatment Plant Operation and Maintenance Manual, February 2019.

Agnico Eagle (Agnico Eagle Mines Limited). 2019b. Water Quality and Flow Monitoring Plan, 2019.

Agnico Eagle (Agnico Eagle Mines Limited). 2018a. Erosion Management Plan, Version 2_NIRB, Meadowbank Division, September 2018.

Agnico Eagle (Agnico Eagle Mines Limited). 2018b. Amaruq Stage 1 WRSF, Ore Stockpile 1 and Starter Pit Design Report and Drawings. Meadowbank Division, June 2018.

Agnico Eagle (Agnico Eagle Mines Limited). 2018c. Whale Tail North Basin dewatering, 60-Day Notice to Nunavut Water Board. Version 1, September 2019.

Agnico Eagle (Agnico Eagle Mines Limited). 2016. Final Environment Impact Statement (FEIS) Volumes 1 to 8, Whale Tail Pit Project, Meadowbank Division.

Agnico Eagle (Agnico Eagle Mines Limited). 2015. Water Management Report and Plan, version 3, Meadowbank Division, October 2015.

AtkinsRéalis. 2024. Water Quality Forecast Update Based on 2023 WMP for Whale Tail Mine. Technical note no. 699134-4000-40ER-0001, rev. 00, March 2024.

CCME (Canadian Council of Ministers of the Environment). 1999 (with updates to 2016). Canadian Environmental Quality Guidelines, 1999. Canadian Environmental Quality Guidelines Summary Table, with updates to 2016. Winnipeg, MB, Canada. Available at: http://st-ts.ccme.ca/. Accessed March 2016.

CCME. 2004. Canadian Water Quality Guidelines for the Protection of Aquatic Life: Phosphorus: Canadian Guidance Framework for the Management of Freshwater Systems. In: Canadian Environmental Quality Guidelines, 2004. Canadian Council of Ministers of the Environment, Winnipeg, MB, Canada.

CDA (Canadian Dam Association). 2014. Canadian Dam Association, Technical Bulletin: Application of Dam Safety Guidelines to Mining Dams.

DFO (Fisheries and Oceans Canada). 1995. Freshwater Intake End-of-Pipe Fish Screen Guideline, March 1995.

Golder (Golder Associates Ltd). 2022. Whale Tail Project 2021 Annual Report – Closure and Post-Closure Water Quality Predictions (Reference 21508120-552-RPT-Rev0). Dated March 2022.

Golder (Golder Associates Ltd). 2021. Whale Tail Project IVR and Whale Tail Pit Pushback (Reference 21459323-521-RPT-Rev0). Dated June 2021.

Golder (Golder Associates Ltd.). 2019a. Interim Closure and Reclamation Plan, Agnico Eagle Whale Tail. Dated May 2019.

Golder (Golder Associates Ltd). 2019b. Whale Tail Lake Thermal Assessment. Dated April 2019 (Reference 18108905-276-RPT-Rev0).

Golder (Golder Associates Ltd). 2019c. Whale Tail Pit – Expansion Project 2019 Mine Site and Downstream Receiving Water Quality Predictions Update. Dated May 2019.

Golder (Golder Associates Ltd). 2019d. Whale Tail Pit – Expansion Project 2019 Mean Annual Water Balance Update. Dated May 2019 (Reference 18108905-294-RPT-Rev1).

Golder (Golder Associates Ltd). 2019e. Updated Hydrogeological Assessment, Whale Tail Pit, Expansion Project. May 2019 (Reference 8108905-291-TM-Rev0)

Golder (Golder Associates Ltd). 2017a. Whale Tail Lake Thermal Assessment, Whale Tail Pit Project, Nunavut dated 22 February 2017.

Golder (Golder Associates Ltd). 2017b. Hydrogeological and Permafrost Field Investigations, Amaruq Project 2017 Factual Report. Dated 31 July 2017. (Reference 1649355-008-R-Rev0-5000).

Government of Canada. 2015. Historical Climate Data. Available online from: http://climate.weather.gc.ca/index_e.html

Health Canada. 2014. Guidelines for Canadian Drinking Water. Prepared by the Federal-Provincial-Territorial Committee on Drinking Water. Ottawa, ON, Canada.

ICOLD (International Commission of Large Dams) 1998. Dam Failures and Statistical Analysis. Bulletin 99.

IPCC. 2014. Summary for Policymakers. In: Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Field, C.B., V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L. White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 1-32

Knight Piesold. 2015. Agnico Eagle Mines Ltd.: Meadowbank Division – Whale Tail Pit – Permafrost and Hydrogeological Characterization, File No.: NB101-00622/04-A.01

McDougall, M., G. Tomy, J. Stetefeld. 2019. 2019 Mammoth Lake Sediment Sampling Report

NWT Water Board. 1992. Guidelines for the Discharge of Treated Municipal Wastewater in the Northwest Territories.

Overland, J.E., M. Wang, J.E. Walsh, and J.C. Stroeve. 2013. Future Arctic climate changes: Adaptation and mitigation time scales, Earth's Future, 2, doi:10.1002/2013EF000162.

PhotoSat Information Ltd. (PhotoSat). 2015. PhotoSat Stereo Satellite Elevation Mapping Project Report. Reference No. 3631.

SNC (SNC Lavalin Inc.). 2022. Water Quality Review and Forecast during Operation at Whale Tail Site. Technical note no. 688368-1000-40ER-0001, rev. 00, March 2022.

SNC (SNC Lavalin Inc.). 2020. Construction Report of South Whale Tail Diversion Channel. Technical note no. 667648-3000-40ER-0001, August 2020.

SNC (SNC Lavalin Inc.). 2018a. Whale Tail Dike Detailed Design Report.

SNC (SNC Lavalin Inc.). 2018b. Design criteria – Basins and Pumps. Technical note no. 651298-8000-40EC-0001_00, April 2018.

SNC (SNC Lavalin Inc.). 2018c. Amaruq Freeboard Study. Technical note no. 651298-2600-4HER-0002_01, June 2018.

SNC (SNC Lavalin Inc.). 2017. Preliminary design of Mammoth Dike. Technical note no. 645003-3000-4GER-0001_01, August 2017.

SNC (SNC Lavalin Inc.). 2015. Whale Tail Pit Project Permitting Level Engineering, Geotechnical and Water Management Infrastructure, A Technical Report Submitted to Agnico Eagle Mines Ltd. by SNC Lavalin, December 2015.

## APPENDIX A • SITE LAYOUT PLANS

**Figure A.1 Site Layout Plan (Closure Year 2028)**

**Figure A.2 Site Layout Plan (Post-Closure)**

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO-LAKE-WATER NEMO-LAKE-NATURAL NEMO LAKE

IVR-DIVERSION-NATURAL IVR DIVERSION US-IVR-WRSF-NATURAL

US-IVRPIT-NATURAL-WEST US-IVRPIT-NATURAL-EAST

IVR-DIKE-NATURAL IVR-WRSF-DIKE IVR WRSF IVR-WRSF-IVRPIT

IVR-PIT EAST IVR-PIT WEST GSP-3 GSP-2 GSP-1

WT-WRSF-IVRPIT WT-WRSF-DIKE WHALE TAIL WRSF

IVR-PIT-PUSHBACK WT-WRSF-IVRPUSHBACK WT-PIT-PUSHBACK

WT-WRSF-WTPIT OSP-4 EXP-WRPAD FUEL-FACILITIES

OSP-3 PAD K IVR-ATTENPOND

WT-WRSF-POND WRSF-POND-DIKE HAUL TRUCK PARK

OSP-1 OSP-2 WT-PIT

WT-DIKE-NATURAL WAREHOUSE-PAD WT-ATTENPOND

WT-CAMP

OVERBURDEN STORAGE PAD

KANGISLULIK-DSDIKE-WATER KANGISLULIK-DIKE-NATURAL SANA-CRUSHER-PAD WT-DIKE-LAKEBED TEMP-NPAG-WRSF

KANGISLULIK LAKE KANGISLULIK-DSDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ)

WT-USDIKE-NATURAL WT-USDIKE-WATER

SWTDC-US

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2024Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

*CLIENT:* AGNICO EAGLE

LORAX ENVIRONMENTAL

*PROJECT:* **Whale Tail ELOM WB/WQM**

*TITLE:* Whale Tail ELOM Water Balance Layout - 2028

*PROJECT #:* A634-5 *FIGURE:* A.9

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_2028_EOY_With_Catchments.dwg

602000 604000 606000 608000 610000

7256000 7254000 7252000

N

A76 A12 A15 A43 A44 A63 155.3m A18 155.3m A20 155.3m A19 155.3m A21 155.3m

NEMO LAKE

US-IVRPIT-NATURAL-WEST

US-IVRPIT-NATURAL EAST

IVR-DIVERSION-NATURAL

US-IVR-WRSF-NATURAL

IVR-DIKE-NATURAL

IVR-WRSF-DIKE

IVR WRSF

IVR-WRSF-IVRPIT

GSP-3

GSP-2

GSP-1

EXP-WRPAD

IVR-PIT- FLOODED

IVR-PIT-PUSHBACK

WT-PIT-PUSHBACK

WT-WRSF-IVRPIT

WT-WRSF-IVRPUSHBACK

WT-WRSF-WTPIT

WT-WRSF-DIKE

WHALE TAIL WRSF

OSP-4

OSP-3

OSP-2

OSP-1

PAD K

FUEL-FACILITIES

IVR-ATTENPOND

WT-WRSF-POND

WT-WRSF-POND-DIKE

HAUL TRUCK PARK

WT-PIT-FLOODED

WHALE TAIL LAKE (UIGUQLIQ) NORTH BASIN 153.5m

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-CAMP

WT-DIKE-LAKEBED

SANA-CRUSHER-PAD

TEMP-NPAG-WRSF

KANGISLULIK-DSDIKE-NATURAL

KANGISLULIK-DSDIKE-WATER

KANGISLULIK LAKE 152.5m

KANGISLULIK-DIKE-NATURAL

WT-USDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ) SOUTH BASIN 153.5m

WT-USDIKE-WATER

A18-NATURAL

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- BACKFILLED POND (NPAG)
- DIKE
- RECLAIMED MINE INFRASTRUCTURE
- WATERBODY (NATURAL)

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Notes:
1.Original Drawing:
Drawing Number 2042 POST CLOSURE. *Amaruq MineSite General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.
2. Whale Tail WRSF extension design provided by Okane Consultants
3. Pit Extension provided by BBA - Whale Tail Phase 3 Underground End of Period Surfaces

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM WB/WQM**

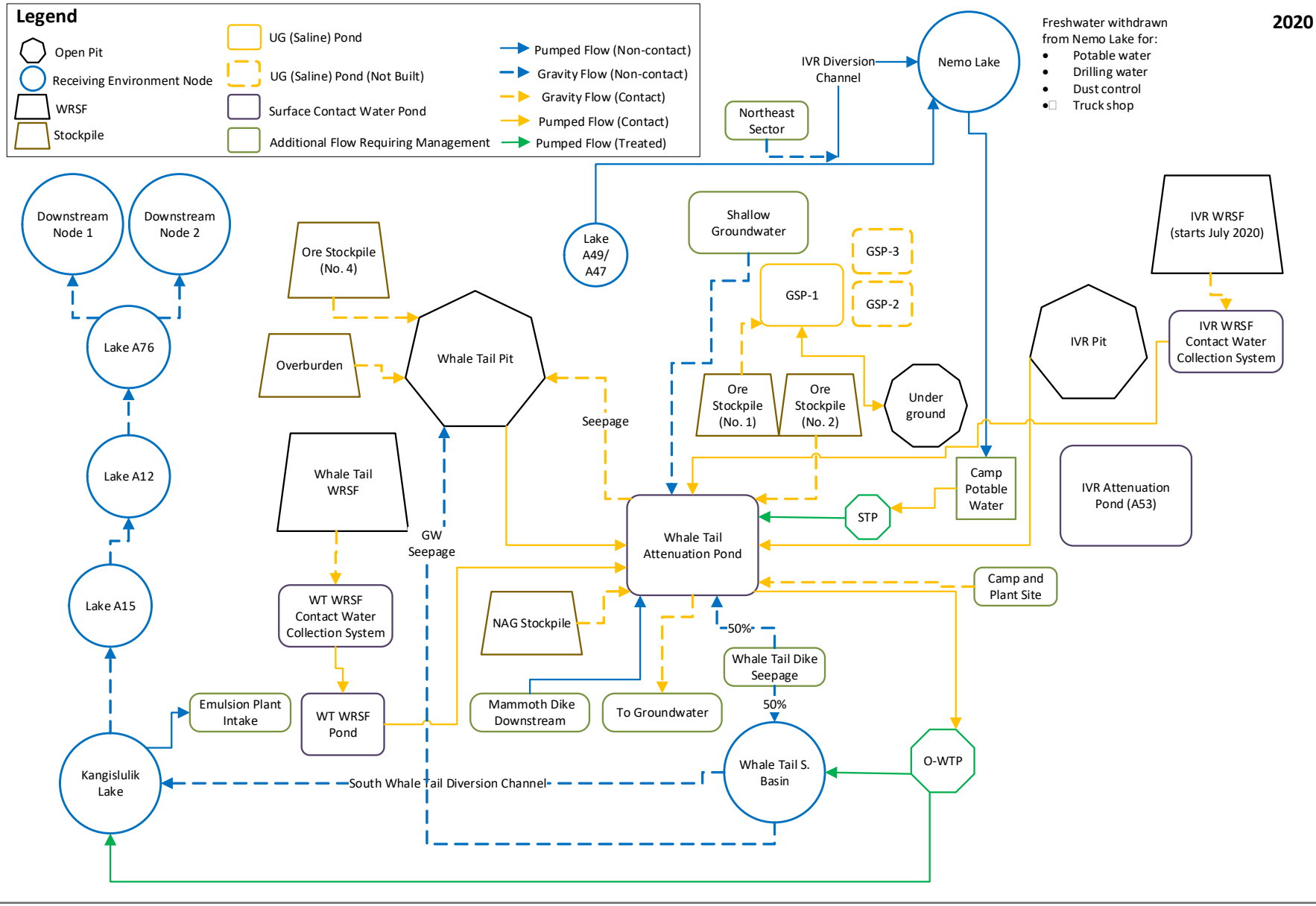
TITLE: Whale Tail ELOM
Water Balance Layout - Post-Closure

PROJECT #: A634-5

FIGURE: A.10

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_Post-Closure_With_Catchments.dwg

## APPENDIX B • WATER MANAGEMENT SCHEMATIC FLOW SHEETS




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

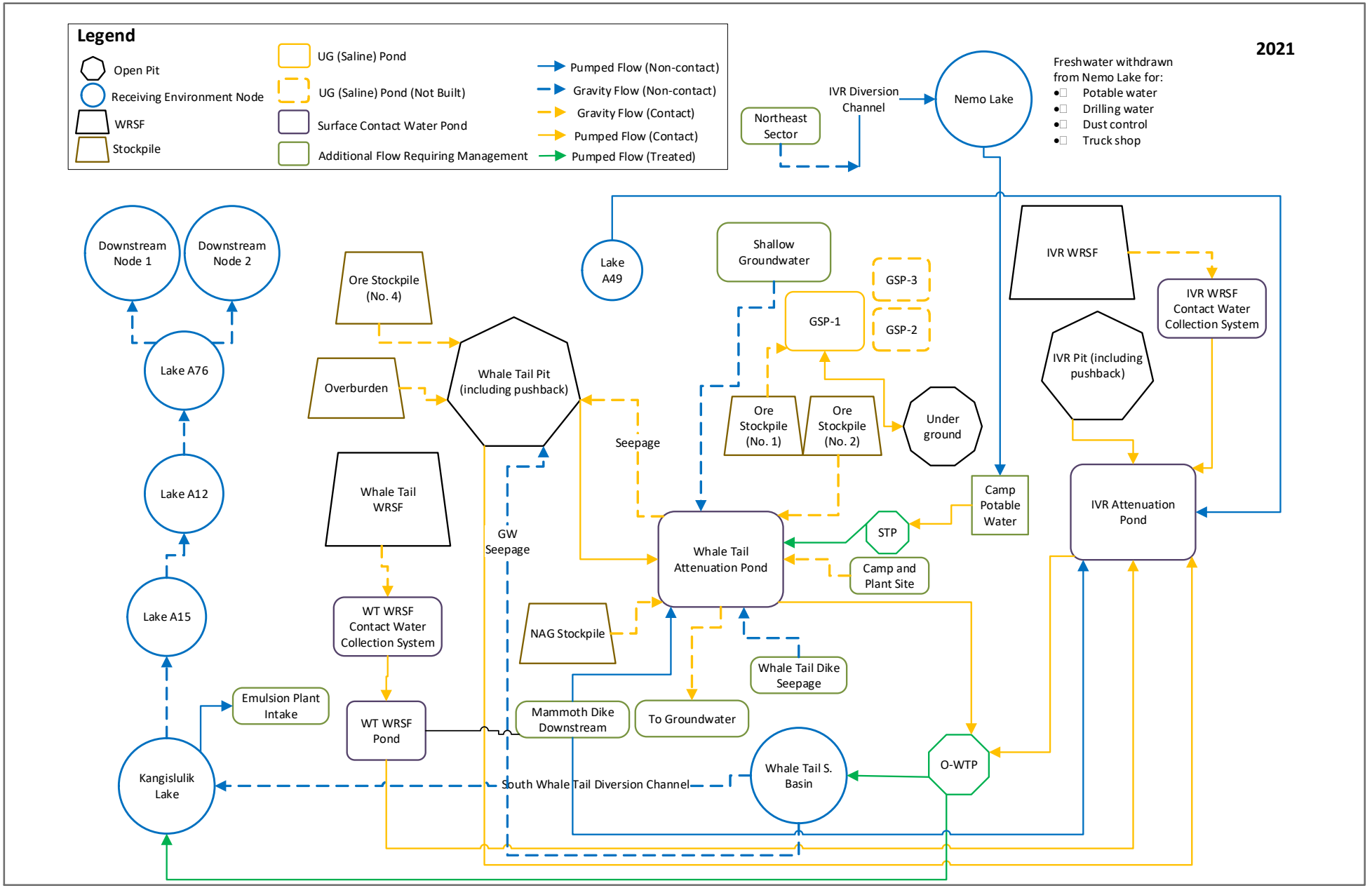
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2020)

PROJECT #: A634-5

FIGURE: B1.1

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-1_2020.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

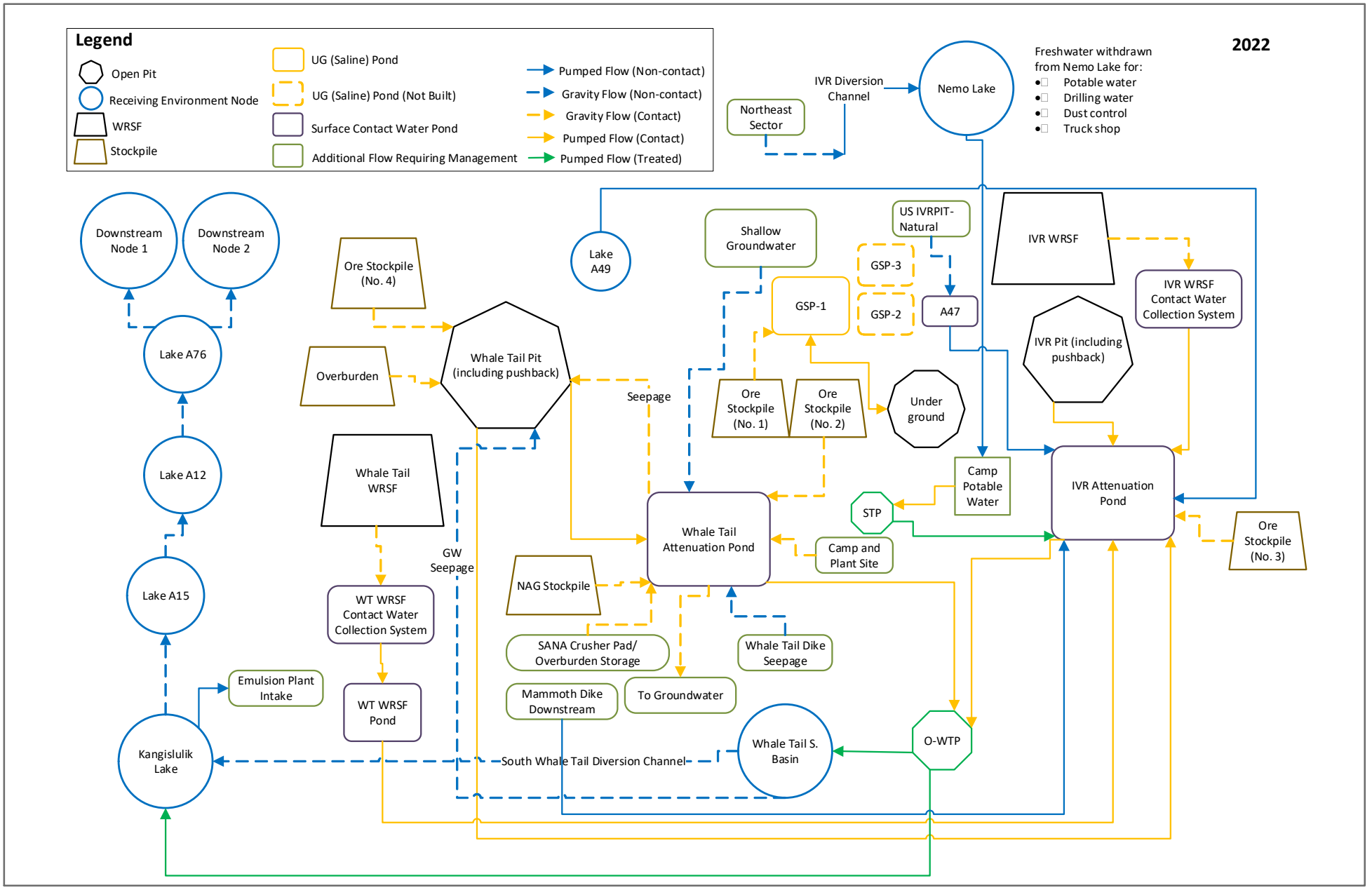
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2021)

PROJECT #: A634-5

FIGURE: B1.2

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-2_2021.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

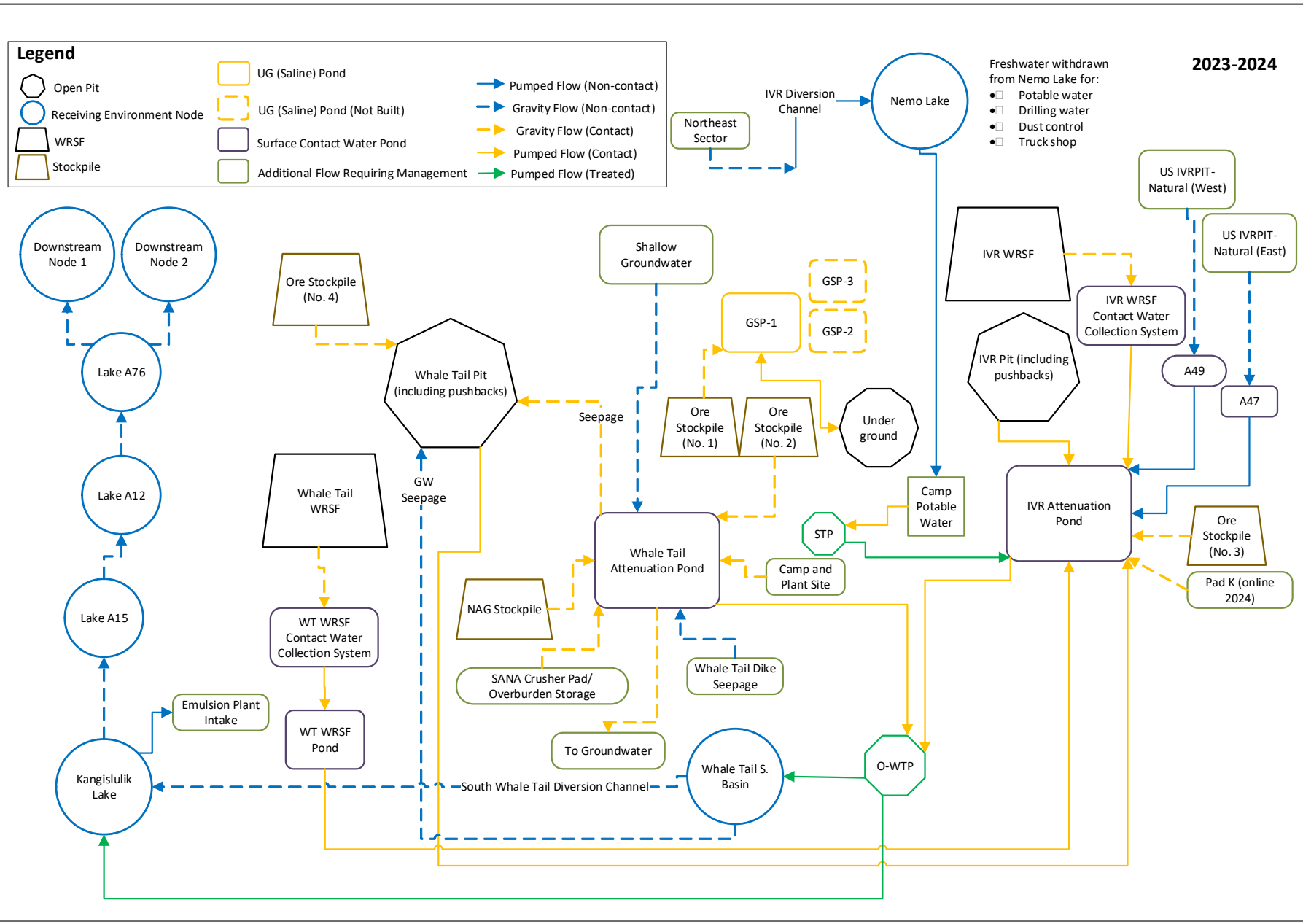
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2022)

PROJECT #: A634-5

FIGURE: B1.3

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-3_2022.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

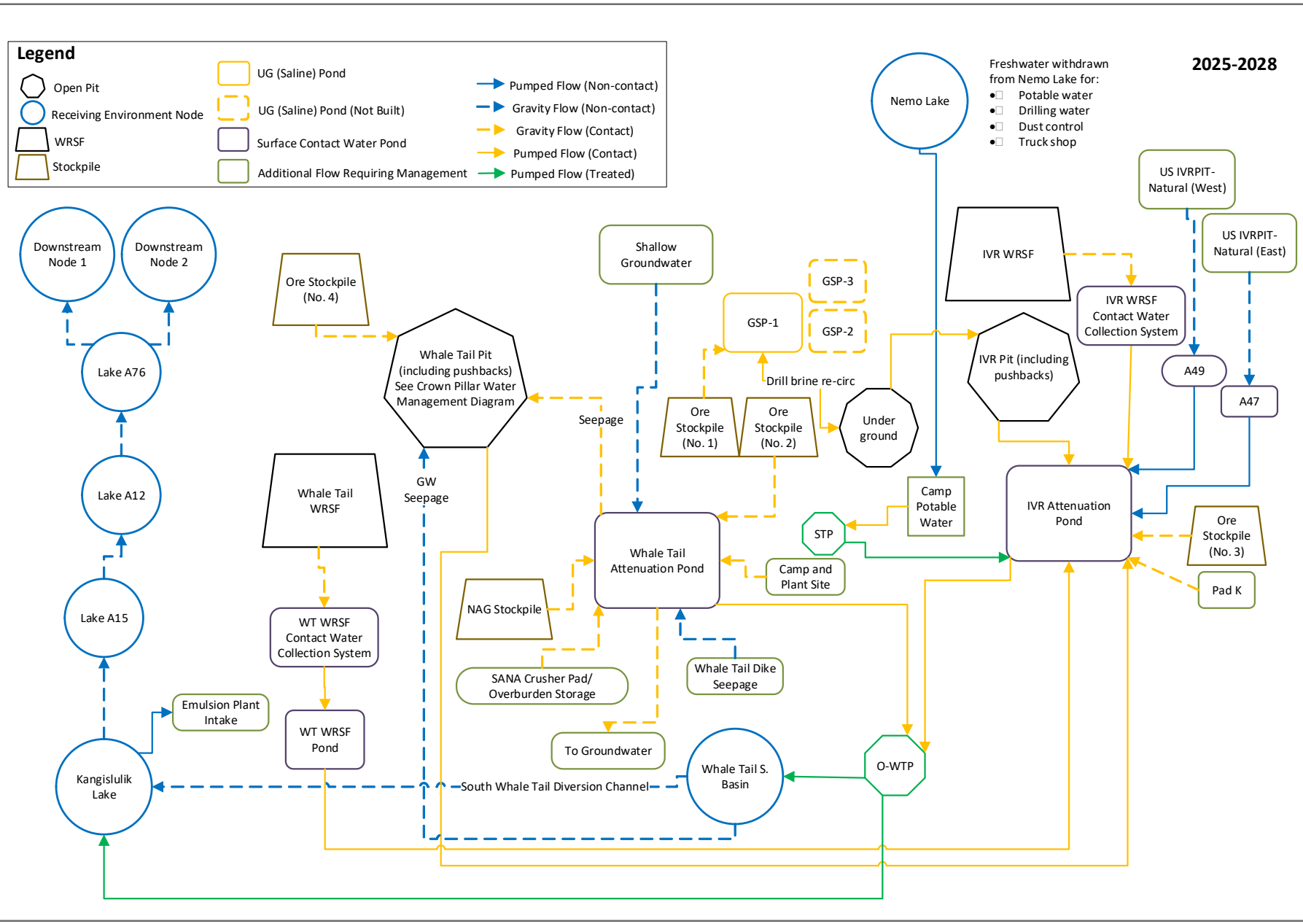
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2023-24)

PROJECT #: A634-5

FIGURE: B1.4

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-4_2023-24.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

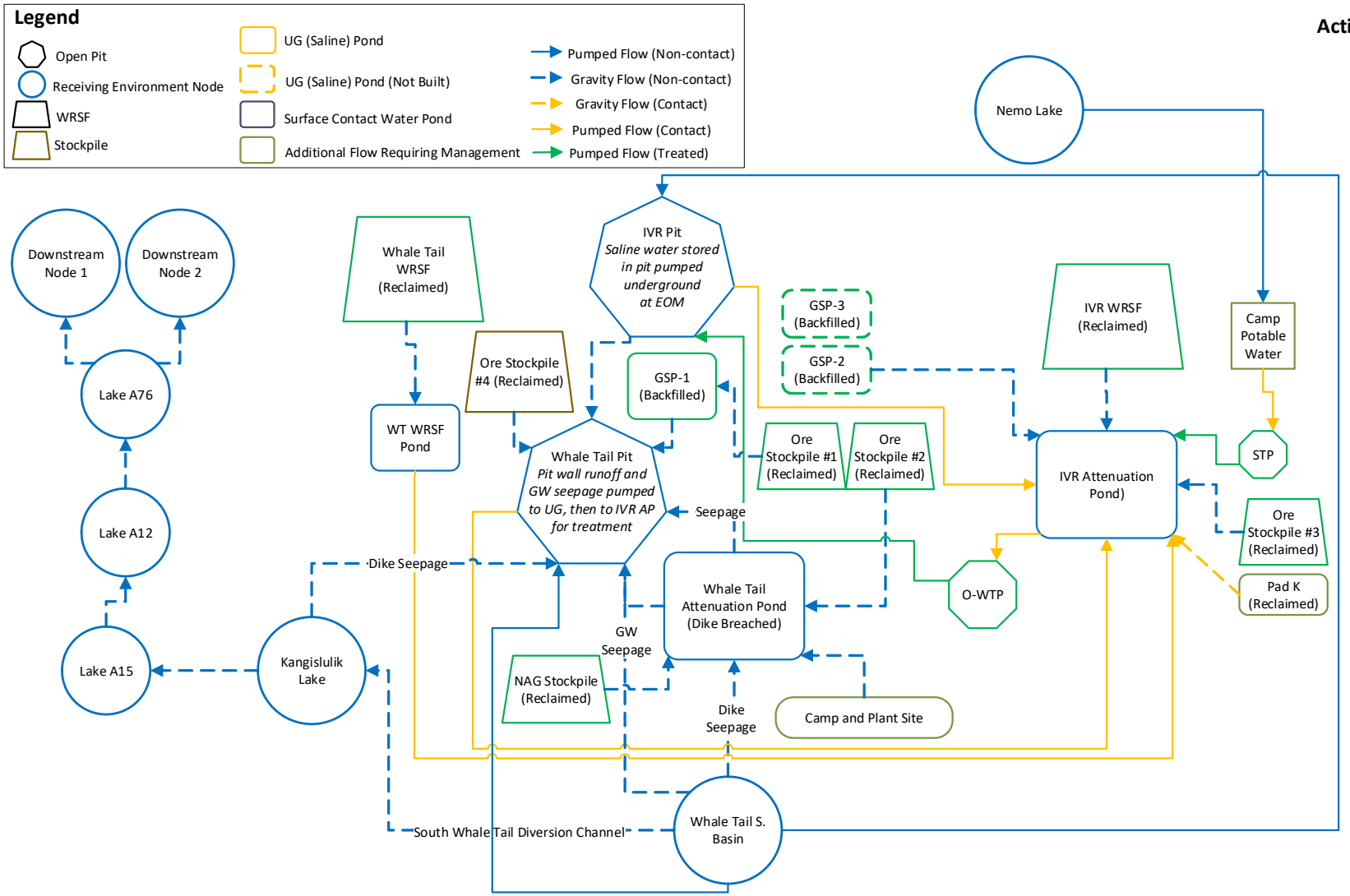
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2025-28)

PROJECT #: A634-5

FIGURE: B1.5

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-5_2025-28.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

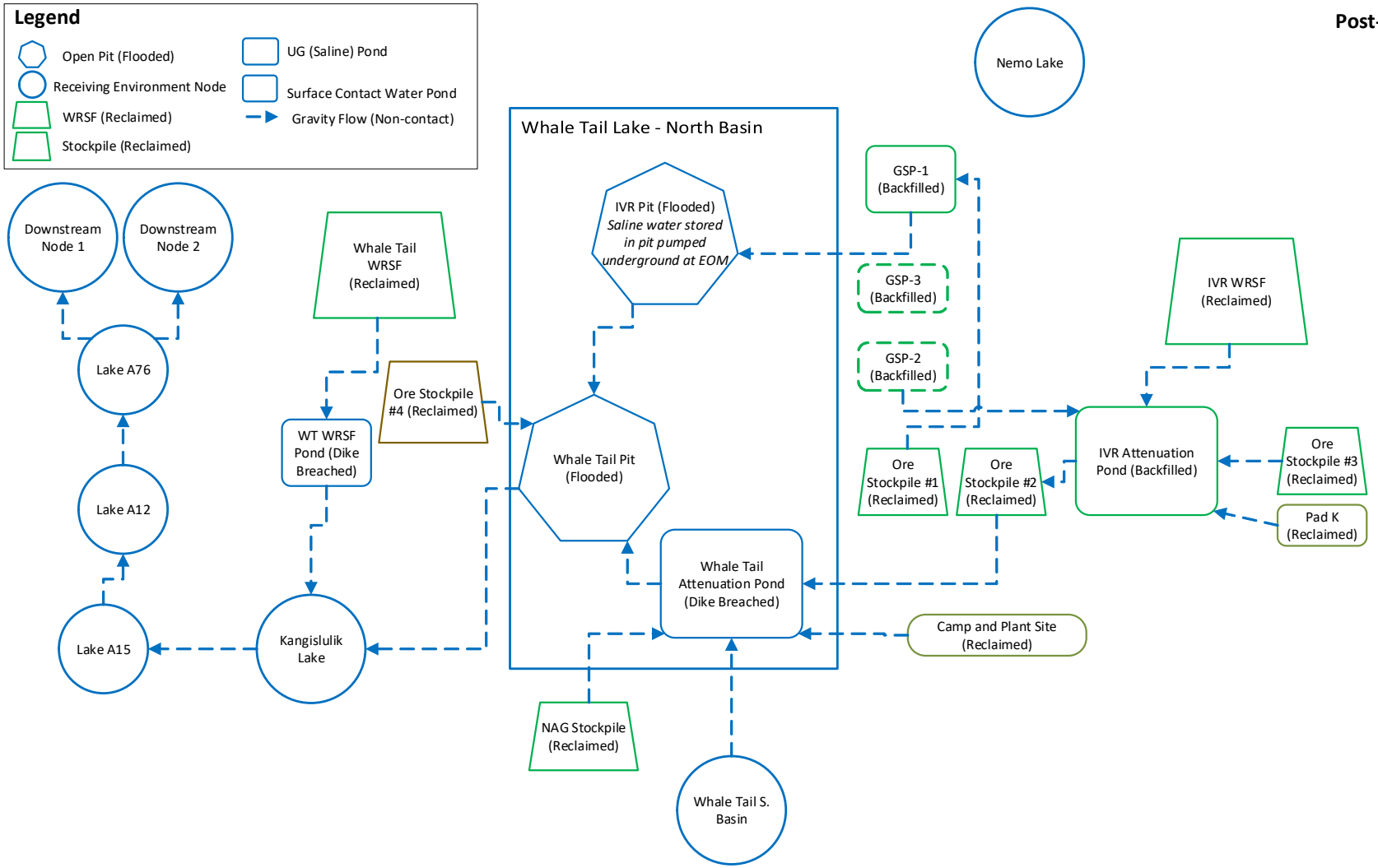
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM
WBWQM Flow Diagram (Active Closure)

PROJECT #: A634-5

FIGURE: B1.6

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-6_Active Closure.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (Post-closure)

PROJECT #: A634-5

FIGURE: B1.7

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-7_Post-Closure.mxd

## APPENDIX C • WHALE TAIL WATER BALANCE AND WATER QUALITY REPORT

AGNICO EAGLE

# *Whale Tail ELOM: Water Balance and Water Quality Model Technical Report*

***Prepared for:***
***Agnico Eagle Mines***
***145 King Street East, Suite 400***
***Toronto, Ontario, M5C 2Y7***

***Prepared by:***
***Lorax Environmental Services***
***305 - 1770 W 7th Avenue***
***Vancouver, B.C.,***
***V6J 4Y6***

**Project No. A634-5**

**30 April 2024**

LORAX ENVIRONMENTAL

# *Table of Contents*



AGNICO EAGLE

# Table of Contents


**TABLE OF CONTENTS** ..... I

**ACRONYMS AND ABBREVIATIONS** ..... VIII

**1. INTRODUCTION** ..... 1-1
- 1.1 MODEL OBJECTIVES, STRUCTURE AND KEY INPUTS ..... 1-3
- 1.2 REPORT STRUCTURE ..... 1-3

**2. MODEL INPUT SOURCES** ..... 2-1
- 2.1 WHALE TAIL ELOM MINE PLAN ..... 2-1
- 2.2 WATER MANAGEMENT ASSUMPTIONS AND INPUTS ..... 2-4
  - 2.2.1 ATTENUATION PONDS AND PUMP RATES ..... 2-4
    - 2.2.1.1 WHALE TAIL DIKE SEEPAGE ..... 2-7
  - 2.2.2 CONSUMPTIVE FRESHWATER USES ..... 2-9
- 2.3 WATER TREATMENT ..... 2-9
  - 2.3.1 OPERATIONS WATER TREATMENT PLANT (O-WTP) ..... 2-9
  - 2.3.2 SEWAGE TREATMENT PLANT EFFLUENT ..... 2-10

**3. WATER BALANCE MODEL METHODS** ..... 3-1
- 3.1 APPROACH AND ASSUMPTIONS ..... 3-1
- 3.2 SUB-CATCHMENT DELINEATION ..... 3-1
- 3.3 CONCEPTUAL WATERSHED MODEL ..... 3-1
- 3.4 CLIMATE INPUTS ..... 3-4
- 3.5 POTENTIAL EVAPOTRANSPIRATION ..... 3-7
- 3.6 MINE COMPONENT WATER BALANCES ..... 3-7
  - 3.6.1 OPEN PITS ..... 3-8
    - 3.6.1.1 SURFACE RUNOFF ..... 3-8
    - 3.6.1.2 GROUNDWATER INFLOWS ..... 3-9
  - 3.6.2 WASTE ROCK STORAGE FACILITIES ..... 3-12
  - 3.6.3 UNDERGROUND WASTE ROCK STORAGE FACILITIES ..... 3-15
  - 3.6.4 ORE PADS ..... 3-15
  - 3.6.5 UNDERGROUND INFLOWS ..... 3-15
- 3.7 LAKE WATER BALANCES ..... 3-16
  - 3.7.1 SOUTH WHALE TAIL DIVERSION CHANNEL RATING CURVE ..... 3-17
  - 3.7.2 A18 SILL RATING CURVES ..... 3-20
- 3.8 WATERSHED MODEL CALIBRATION ..... 3-22
  - 3.8.1 REGIONAL STREAMFLOW CALIBRATION ..... 3-22
  - 3.8.2 CALIBRATION TO COLLECTION POND AND LAKE WATER BALANCES ..... 3-26
- 3.9 CLOSURE AND POST-CLOSURE ASSUMPTIONS ..... 3-33
- 3.10 WATER BALANCE MODEL VALIDATION ..... 3-40

**4. WATER QUALITY MODEL METHODS** ..... 4-1
- 4.1 BASELINE WATER QUALITY INPUTS ..... 4-1
- 4.2 GEOCHEMICAL SOURCE TERMS ..... 4-1
- 4.3 WHALE TAIL PIT AND DIKE SEEPAGE ..... 4-5
- 4.4 WATER QUALITY MODEL VALIDATION ..... 4-6

**5. WATER BALANCE MODEL RESULTS** ..... 5-1
- 5.1 OPERATIONS PHASE ..... 5-1
  - 5.1.1 COLLECTION PONDS ..... 5-1
    - 5.1.1.1 WHALE TAIL WASTE ROCK STORAGE FACILITY COLLECTION POND ..... 5-1
    - 5.1.1.2 WHALE TAIL ATTENUATION POND ..... 5-2
    - 5.1.1.3 IVR ATTENUATION POND ..... 5-3
    - 5.1.1.4 GSP-1 AND IVR PIT ..... 5-5
  - 5.1.2 WHALE TAIL PIT WATER BALANCE ..... 5-6

5.1.3 WATER TREATMENT AND EFFLUENT DISCHARGE VOLUMES ..... 5-7
5.2 ACTIVE CLOSURE PHASE ..... 5-8

**6. WATER QUALITY MODEL RESULTS ..... 6-1**
6.1 OPERATIONS ..... 6-1
6.1.1 WHALE TAIL PIT ..... 6-1
6.1.2 IVR PIT ..... 6-2
6.1.3 ATTENUATION PONDS AND O-WTP EFFLUENT DISCHARGE ..... 6-3
6.1.4 RECEIVING ENVIRONMENT AND DOWNSTREAM LAKES ..... 6-6
6.2 ACTIVE CLOSURE AND POST-CLOSURE ..... 6-10
6.2.1 PIT LAKES ..... 6-10
6.2.2 RECEIVING ENVIRONMENT AND DOWNSTREAM LAKES ..... 6-11

**7. SUMMARY ..... 7-1**

**8. CLOSURE ..... 8-1**

**REFERENCES ..... R-1**

**APPENDICES**:

APPENDIX A: WHALE TAIL MINE ANNUAL LAYOUTS AND CATCHMENT AREAS
APPENDIX A.1: WHALE TAIL MINE ELOM ANNUAL LAYOUTS
APPENDIX A.2: WHALE TAIL MINE ELOM MINE AREA ANNUAL CATCHMENT AREAS
APPENDIX B: WHALE TAIL MINE ELOM WBWQM FLOW DIAGRAMS
APPENDIX C: GEOCHEMICAL SOURCE TERM REPORT
APPENDIX D: WATER QUALITY MODEL RESULTS

# LIST OF FIGURES

FIGURE 1-1: WHALE TAIL MINE LOCATION. ..... 1-2
FIGURE 2-1: 2025 TO 2028 WHALE TAIL MINE LAYOUT ..... 2-1
FIGURE 2-2: CONCEPTUAL END-OF-MINE SITE WATER MANAGEMENT FLOW DIAGRAM. ..... 2-6
FIGURE 2-3: RELATIONSHIP BETWEEN WHALE TAIL SOUTH BASIN AND WHALE TAIL ATTENUATION POND WATER LEVEL GRADIENT AND DIKE SEEPAGE FLOWS. ..... 2-8
FIGURE 3-1: CONCEPTUAL HYDROGRAPH SHOWING RUNOFF PARTITIONING ..... 3-3
FIGURE 3-2: SCHEMATIC PRESENTING AN OVERVIEW OF THE THREE-RESERVOIR WATER BALANCE MODEL IN CONCEPTUAL FORMAT. ..... 3-3
FIGURE 3-3: MEAN MONTHLY MINIMUM (TOP) AND MAXIMUM (MIDDLE) AIR TEMPERATURE AND PRECIPITATION (BOTTOM) FOR THE OPERATIONS, CLOSURE AND POST-CLOSURE PHASES UNDER THE RCP6.0 CLIMATE CHANGE SCENARIO. ..... 3-6
FIGURE 3-4: MONTHLY AVERAGE POTENTIAL EVAPOTRANSPIRATION. ..... 3-7
FIGURE 3-5: WHALE TAIL PIT AND CROWN PILLAR WATER MANAGEMENT SCHEMATIC ..... 3-10
FIGURE 3-6: CONCEPTUAL CROSS-SECTION SHOWING TYPICAL ANNUAL PERMAFROST SOIL PROFILE WHERE ZERO AMPLITUDE POINT MOVES UPWARD INTO THE OVERLYING WRSF COVER (SOURCE: AGNICO EAGLE, 2021) ..... 3-13
FIGURE 3-7: CONCEPTUAL CROSS-SECTION SHOWING WATER BALANCE OF WHALE TAIL WRSF (SOURCE: OKANE, 2022) ..... 3-13
FIGURE 3-8: WHALE TAIL WRSF ANNUAL RUNOFF AND INTERFLOW FLUXES FOR THE RCP6.0 CLIMATE SCENARIO. ..... 3-14
FIGURE 3-9: WHALE TAIL SOUTH BASIN VOLUME-ELEVATION-AREA CURVES. ..... 3-16
FIGURE 3-10: KANGISLULIK LAKE VOLUME-ELEVATION-AREA CURVES. ..... 3-17
FIGURE 3-11: LAKE A18 COMPLEX VOLUME-ELEVATION-AREA CURVES ..... 3-17
FIGURE 3-12: CONCEPTUAL SOUTH WHALE TAIL DIVERSION CHANNEL CROSS-SECTIONS (SOURCE: SNC-LAVALIN, 2020) ..... 3-19
FIGURE 3-13: DERIVED RATING CURVE FOR THE SOUTH WHALE TAIL DIVERSION CHANNEL INLET. ..... 3-19
FIGURE 3-14: CONCEPTUAL A18 SILL CROSS-SECTIONS (SOURCE: GOLDER, 2019C). ..... 3-21
FIGURE 3-15: DERIVED RATING CURVE FOR THE A18 SILL OUTLET ..... 3-22
FIGURE 3-16: REGIONAL STREAMFLOW DATA USED TO INFORM WATERSHED MODEL CALIBRATION. ..... 3-23
FIGURE 3-17: MODELLED AND MEASURED STREAMFLOW AT THE MEADOW CREEK ABOVE SAQVAQJUAC INLET STATION (06OA002). ..... 3-24
FIGURE 3-18: MODELLED AND MEASURED REGIONAL RUNOFF FLOW DURATION CURVES SHOWN WITH LINEAR (TOP) AND LOGARITHMIC Y-AXIS (BOTTOM) ..... 3-25
FIGURE 3-19: MINE SITE LAYOUT AND CATCHMENT DELINEATION FOR 2020 BASED ON AERIAL PHOTO FROM OCTOBER 2020. ..... 3-28
FIGURE 3-20: MINE SITE LAYOUT AND CATCHMENT DELINEATION FOR 2021 BASED ON AS-BUILT LAYOUTS. ..... 3-29
FIGURE 3-21: MEASURED (ORANGE) AND MODELLED (BLUE) MONTHLY WHALE TAIL WRSF POND INFLOWS. ..... 3-30
FIGURE 3-22: MEASURED (ORANGE) AND MODELLED (BLUE) MONTHLY WHALE TAIL ATTENUATION POND INFLOWS. ..... 3-30

FIGURE 3-23: MEASURED (ORANGE) AND MODELLED (BLUE) IVR ATTENUATION POND INFLOWS. ..... 3-31

FIGURE 3-24: MEASURED (ORANGE) AND MODELLED (BLUE) WHALE TAIL ATTENUATION POND WATER LEVELS. ..... 3-31

FIGURE 3-25: MEASURED (ORANGE) AND MODELLED (BLUE) IVR ATTENUATION POND WATER LEVELS. ..... 3-32

FIGURE 3-26: MEASURED (ORANGE) AND MODELLED (BLUE) WHALE TAIL SOUTH BASIN WATER LEVELS AND OUTFLOWS..... 3-32

FIGURE 3-27: MEASURED (ORANGE) AND MODELLED (BLUE) KANGISLULIK LAKE WATER LEVELS AND OUTFLOWS. ..... 3-33

FIGURE 3-28: OPEN PIT SPILL POINT ELEVATIONS. .....3-35

FIGURE 3-29: ACTIVE CLOSURE FLOW PATHS – WIRE DIAGRAM ..... 3-36

FIGURE 3-30: POST-CLOSURE FLOW PATHS AND CATCHMENTS. ..... 3-38

FIGURE 3-31: POST-CLOSURE FLOW PATHS – WIRE DIAGRAM. ..... 3-39

FIGURE 3-32: MODELLED AND MEASURED MONTHLY (TOP) AND CUMULATIVE (BOTTOM) PUMPED DISCHARGES FROM THE WHALE TAIL ATTENUATION POND. ..... 3-41

FIGURE 3-33: MODELLED AND MEASURED MONTHLY (TOP) AND CUMULATIVE (BOTTOM) PUMPED DISCHARGES FROM THE IVR ATTENUATION POND. ..... 3-42

FIGURE 3-34: MODELLED AND MEASURED DAILY WATER LEVELS IN THE GSP-1 POND. ..... 3-43

FIGURE 3-35: MODELLED AND MEASURED DAILY WATER LEVELS IN WHALE TAIL SOUTH BASIN. WINTER PERIOD SHOWN IN HIGHLIGHTED BLUE AREAS. ..... 3-43

FIGURE 3-36: MODELLED AND MEASURED DAILY WATER LEVELS IN KANGISLULIK LAKE. WINTER PERIOD SHOWN IN HIGHLIGHTED BLUE AREAS. ..... 3-44

FIGURE 4-1: UNDERGROUND SUBSURFACE TOTAL DISSOLVED SOLIDS (TDS) DEPTH PROFILE MODIFIED FROM GOLDER (2022). ..... 4-2

FIGURE 4-2: WATER QUALITY MODEL RESULTS FOR ARSENIC AND PHOSPHOROUS VALIDATED AGAINST MONITORING RESULT FROM WHALE TAIL ATTENUATION POND (ST-WT-1), IVR ATTENUATION POND (ST-WT-23), KANGISLULIK LAKE (MAM AND MAME-1) AND WHALE TAIL SOUTH BASIN (WTS, WTSE AND WTSE-1). ..... 4-7

FIGURE 5-1: PREDICTED WATER LEVELS AND TARGET OPERATING LEVELS IN WHALE TAIL WASTE ROCK STORAGE FACILITY COLLECTION POND FOR THE OPERATIONS PHASE. MAXIMUM OPERATING LEVEL SHOWN BY ORANGE LINE, AND CRITICAL LEVEL SHOWN BY RED LINE... 5-1

FIGURE 5-2: PREDICTED WATER LEVELS AND TARGET OPERATING LEVELS IN THE WHALE TAIL ATTENUATION POND FOR THE OPERATIONS PHASE. MAXIMUM OPERATING LEVEL SHOWN BY ORANGE LINE, AND CRITICAL LEVEL SHOWN BY RED LINE..... 5-3

FIGURE 5-3: ANNUAL INFLOW VOLUMES TO THE WHALE TAIL ATTENUATION POND DURING THE OPERATIONS PHASE. ..... 5-3

FIGURE 5-4: PREDICTED WATER LEVELS AND TARGET OPERATING LEVELS IN THE IVR ATTENUATION POND FOR THE OPERATIONS PHASE. MAXIMUM OPERATING LEVEL SHOWN BY ORANGE LINE, AND CRITICAL LEVEL SHOWN BY RED LINE. ..... 5-4

FIGURE 5-5: ANNUAL INFLOW VOLUMES TO THE IVR ATTENUATION POND DURING THE OPERATIONS PHASE. ..... 5-5

FIGURE 5-6: CONCEPTUAL PIT CROSS-SECTIONS SHOWING SPILL POINT ELEVATIONS BETWEEN PIT LOBES. ..... 5-10

FIGURE 5-7: SEEPAGE FROM WHALE TAIL ATTENUATION POND AND WHALE TAIL SOUTH BASIN INTO WHALE TAIL PIT, AS A FUNCTION OF WHALE TAIL PIT LAKE WATER LEVEL..... 5-11

FIGURE 5-8: CLOSURE LAKE WATER LEVELS FOR THE FULL RANGE DURING THE FLOODING PERIOD (TOP PANEL) AND FOCUSED ON THE FINAL LAKE ELEVATIONS (BOTTOM PANEL). ..... 5-12

FIGURE 6-1: PREDICTED PHOSPHOROUS (P) AND ARSENIC (AS) CONCENTRATIONS FOR THE WHALE TAIL PIT DURING OPERATIONS IN THE WHALE TAIL ELOM MODEL. ..... 6-2

FIGURE 6-2: PREDICTED PHOSPHOROUS (P) AND ARSENIC (AS) CONCENTRATIONS FOR THE WHALE TAIL PIT DURING OPERATIONS IN THE WHALE TAIL ELOM MODEL. ..... 6-3

FIGURE 6-3: PREDICTED PHOSPHOROUS (P) AND ARSENIC (AS) CONCENTRATIONS IN THE WHALE TAIL ATTENUATION POND, IVR ATTENUATION POND, AND THE TREATED O-WTP EFFLUENT DURING OPERATIONS IN THE WHALE TAIL ELOM MODEL. ..... 6-4

FIGURE 6-4: PREDICTED PHOSPHOROUS (P) CONCENTRATIONS FOR THE RECEIVING ENVIRONMENT AND DOWNSTREAM LAKES DURING OPERATIONS IN THE WHALE TAIL ELOM MODEL AS COMPARED TO THE 2018 FEIS MODEL. ..... 6-7

FIGURE 6-5: PREDICTED ARSENIC (AS) CONCENTRATIONS FOR THE RECEIVING ENVIRONMENT AND DOWNSTREAM LAKES DURING OPERATIONS IN THE WHALE TAIL ELOM MODEL AS COMPARED TO THE 2018 FEIS MODEL. ..... 6-8

FIGURE 6-6: PROJECTED PHOSPHORUS (P) AND ARSENIC (AS) CONCENTRATIONS FOR PIT LAKES AND THE WHALE TAIL ATTENUATION POND DURING ACTIVE CLOSURE AND POST-CLOSURE IN THE ELOM MODEL. THE WHALE TAIL NORTH BASIN IS COMPRISED OF THE WHALE TAIL PIT, IVR PIT, WHALE TAIL ATTENUATION POND, AND KANGISLULIK LAKE FROM SEPTEMBER 2044 ONWARDS. ..... 6-11

FIGURE 6-7: PREDICTED PHOSPHOROUS (P) CONCENTRATIONS FOR THE RECEIVING ENVIRONMENT AND DOWNSTREAM LAKES DURING ACTIVE CLOSURE AND POST-CLOSURE IN THE ELOM MODEL AS COMPARED TO THE 2018 FEIS MODEL. ..... 6-12

FIGURE 6-8: PREDICTED ARSENIC (AS) CONCENTRATIONS FOR THE RECEIVING ENVIRONMENT AND DOWNSTREAM LAKES DURING ACTIVE CLOSURE AND POST-CLOSURE IN THE ELOM MODEL AS COMPARED TO THE 2018 FEIS MODEL. ..... 6-13

# LIST OF TABLES

TABLE 2-1: COMPARISON OF CONTRIBUTING CATCHMENT AREAS ..... 2-3
TABLE 2-2: MINE PLAN – WASTE ROCK, OVERBURDEN AND ORE EXCAVATIONS ..... 2-3
TABLE 2-3: CONTACT WATER POND AND LAKE OPERATING LEVELS AND VOLUMES ..... 2-4
TABLE 2-4: CONTACT WATER PONDS, ROUTING, AND PUMP RATES ..... 2-5
TABLE 2-5: COLLECTION POND AND WATER TREATMENT PUMP RATES ..... 2-7
TABLE 2-6: SEEPAGE THROUGH WHALE TAIL DIKE AS A FUNCTION OF WHALE TAIL ATTENUATION POND WATER LEVEL ..... 2-8
TABLE 3-1: AVERAGE MONTHLY CLIMATE CONDITIONS AT THE WHALE TAIL MINE FOR THE OPERATIONS PHASE (2020-2028) ..... 3-5
TABLE 3-2: AVERAGE MONTHLY CLIMATE CONDITIONS AT THE WHALE TAIL MINE FOR THE CLOSURE AND POST-CLOSURE PHASES ..... 3-5
TABLE 3-3: CALCULATED PIT CATCHMENT RUNOFF COEFFICIENTS ..... 3-9
TABLE 3-4: MONITORED WHALE TAIL PIT SURFACE RUNOFF AND GROUNDWATER SEEPAGE INPUTS .. 3-11
TABLE 3-5: PREDICTED WHALE TAIL PIT GROUNDWATER INFLOWS FOR OPERATIONS PHASE ..... 3-11
TABLE 3-6: PREDICTED WHALE TAIL PIT GROUNDWATER INFLOWS FOR ACTIVE CLOSURE PHASE ..... 3-12
TABLE 3-7: PREDICTED DAILY UNDERGROUND DEWATERING VOLUMES FOR WHALE TAIL ELOM ..... 3-15
TABLE 3-8: SOUTH WHALE TAIL DIVERSION CHANNEL DESIGN HYDRAULIC CHARACTERISTICS ..... 3-18
TABLE 3-9: RELATIONSHIP BETWEEN SOUTH WHALE TAIL BASIN WATER LEVEL AND FLOW THROUGH THE SOUTH WHALE TAIL DIVERSION CHANNEL INLET ..... 3-20
TABLE 3-10: RELATIONSHIP BETWEEN LAKE A18 WATER LEVEL AND FLOW THROUGH THE A18 SILL (BASED ON SILL OPTION #2) ..... 3-21
TABLE 3-11: REPRESENTATIVE REGIONAL HYDROMETRIC STATIONS ..... 3-23
TABLE 3-12: WATERSHED MODEL CALIBRATED PARAMETER SET ..... 3-26
TABLE 3-13: LAND SURFACE TYPES, REPRESENTATIVE RUNOFF TYPE AND TARGET RUNOFF COEFFICIENTS ..... 3-27
TABLE 3-14: PUMPED INFLOW AND OUTFLOW RECONCILIATION FOR WHALE TAIL AND IVR ATTENUATION PONDS (ALL VALUES IN $M^3$) ..... 3-27
TABLE 4-1: LAKE BASELINE WATER QUALITY MONITORING SUMMARY ..... 4-1
TABLE 4-2: ASSUMED WHALE TAIL WRSF AND IVR WRSF COVER REMEDIATION SCHEDULE ..... 4-3
TABLE 5-1: ANNUAL INFLOWS TO THE WHALE TAIL ATTENUATION POND DURING THE OPERATIONS PHASE. ..... 5-2
TABLE 5-2: ANNUAL INFLOWS TO THE IVR ATTENUATION POND DURING THE OPERATIONS PHASE ..... 5-4
TABLE 5-3: ANNUAL INFLOWS TO THE IVR PIT DURING THE OPERATIONS PHASE ..... 5-6
TABLE 5-4: ANNUAL INFLOWS TO THE WHALE TAIL PIT DURING THE OPERATIONS PHASE. ..... 5-7
TABLE 5-5: ANNUAL EFFLUENT DISCHARGE VOLUMES AND PROPORTIONS OF TOTAL DISCHARGE FOR THE OPERATIONS PHASE ..... 5-8
TABLE 5-6: ANNUAL EFFLUENT DISCHARGE VOLUMES FOR ELOM AND 2018 FEIS PREDICTIONS (2024-2025) ..... 5-8

TABLE 5-7: SOURCES OF WATER ROUTED TO ACTIVE TREATMENT DURING ACTIVE CLOSURE PHASE ..... 5-13

TABLE 5-8: ACTIVE CLOSURE MINE VOID FLOODING SEQUENCE AND PUMPED WATER SOURCES ..... 5-14

TABLE 5-9: ACTIVE CLOSURE MINE VOID INFLOWS FROM PIT WALL AND NATURAL CATCHMENT RUNOFF, AND ADJACENT RESERVOIR INFLOWS ..... 5-15

TABLE 6-1: MAXIMUM END-OF-PIPE PREDICTIONS DURING OPERATIONS (JAN.2024-JUN.2028) ..... 6-5

TABLE 6-2: MAXIMUM MONTHLY PREDICTIONS IN THE RECEIVING ENVIRONMENT AND DOWNSTREAM LAKES DURING OPERATIONS (JAN. 2024-JUN. 2028) ..... 6-9

TABLE 6-3: MAXIMUM MONTHLY PREDICTIONS IN THE RECEIVING ENVIRONMENT AND DOWNSTREAM LAKES DURING POST CLOSURE (JULY 2046 ONWARDS) ..... 6-14

# *Acronyms and Abbreviations*



AGNICO EAGLE

# Acronyms and Abbreviations

Terminology used in this document is defined where it is first used. The following list will assist readers who may choose to review only portions of the document.

| | |
|---|---|
| Agnico Eagle | Agnico Eagle Mines Ltd. |
| CCME | Canadian Environmental Guidelines for the Protection of Aquatic Life |
| DOC | Dissolved organic carbon |
| ELOM | Economic Life of Mine |
| EOM | End of mining/end of Operations |
| FEIS | Final Environmental Impact Statement |
| Lorax | Lorax Environmental Services Ltd. |
| masl | Meters above sea level |
| MAP | Mean annual precipitation |
| MDMER | Metal and Diamond Mining Effluent Regulations |
| ML | Metal leaching |
| NIRB | Nunavut Impact Review Board |
| NML | Non-metal leaching |
| NPAG | Non-potential acid generating |
| NWB | Nunavut Water Board |
| PAG | Potentially acid generating |
| QA/QC | Quality assurance/quality control |
| RCP | Representative Concentration Pathway Scenario |
| GSP | Groundwater Storage Pond |
| SSWQO | Site-specific water quality objectives |
| STP | Sewage treatment plant |

| | |
|---|---|
| TDS | Total dissolved solids |
| TSS | Total suspended solids |
| WBM | Site-wide water balance model |
| WBWQM | Site-side water balance and water quality model |
| WQM | Site-wide water quality model |
| WRSF | Waste rock storage facility |
| WSC | Water Survey of Canada |

# 1. Introduction



AGNICO EAGLE

# 1. Introduction

Agnico Eagle Mines Ltd. (Agnico Eagle) operates the Whale Tail Mine (the Mine) on the 408 $km^2$ Amaruq property, situated on Inuit-owned surface lands. The Amaruq property is located within the Kivalliq region of Nunavut approximately 150 km North of the Hamlet of Baker Lake (Figure 1-1) and 50 km north of the Meadowbank Mine. The Mine is subject to the terms and conditions of both the Project Certificate No. 008, issued in accordance with the Nunavut Land Claims Agreement Article 12.5.12 on December 30, 2006, and the Nunavut Water Board Water Licence 2AM-WTP1830 issued in May 2020.

The Whale Tail Mine began commercial ore production in September 2019, and is a satellite operation of the Meadowbank Mine, which began operations in 2010. All ore mined at the Whale Tail Mine is transported by truck to the Meadowbank mill for processing, with tailings deposited in the existing Meadowbank storage facilities.

In 2018, Agnico Eagle submitted a proposal to increase gold production from the original Whale Tail Pit Mine through expansion of the Whale Tail pit, development of a new open pit (IVR) and development of an underground beneath Whale Tail and IVR pits (2018 FEIS). This proposal constituted the Whale Tail Mine Expansion and received approval from the Nunavut Impact Review Board (NIRB) in October 2019. The mine received an amendment to Water Licence No. 2AM-WTP1830 in May 2020 from the Nunavut Water Board (NWB).

Lorax Environmental Services Ltd. (Lorax) was retained by Agnico Eagle to update the site-wide water balance and water quality model (WBWQM) to align with water and waste management activities for the Whale Tail Mine Economic Life of Mine (ELOM) mine plan. The modelling effort described in this report builds on previous models completed for the Whale Tail Mine (Golder 2018a; Golder 2018b; Golder 2019a; Golder 2019b; Golder 2021; SNC 2023; Lorax 2023).




**LEGEND**

- ☆ Project Location
- ● Municipality

| | |
|---|---|
| DATE SAVED: | Jul 08, 2022 |
| DRAWN BY: | DM |
| REVIEWED: | SJ |
| VERSION: | 1 |

*Coordinate System:* NAD 1983 UTM Zone 14N
*Projection:* Transverse Mercator
*Datum:* North American 1983
*Units:* Meter

**1:100,000**

0 1 2 Km

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail Extension**

TITLE: Project Location Map

PROJECT #: A634-5

FIGURE: 1-1

P:\@Drafting\Meadowbank\Drafting Figures\MXD\2022 Reporting\Project Location.mxd

## 1.1 Model Objectives, Structure and Key Inputs

The site-wide water balance and water quality model (WBWQM) is built in the GoldSim v14 software platform and is set-up to run on a daily time-step. The primary modelling objective is the prediction of water volume and solute load transfers within the mine site, and to the receiving environment during all phases of the currently permitted Whale Tail Mine Expansion and proposed Whale Tail Mine ELOM mine plan. Water volumes and loads are tracked on a daily time-step throughout the model, with all ponds, sumps and open pits (and pit lakes) represented by 'pool' elements in GoldSim. The pool element allows the model to track multiple inflows and outflows simultaneously. All mixing is assumed to occur instantly, and all mass is conserved throughout the model (*i.e.*, no attenuation is applied to the parameters tracked within the model, with the exception of phosphorus and nitrogen, as described in Section 4.2).

Key model inputs are as follows:

- Whale Tail Mine ELOM mine plan and associated sub-catchment areas (Appendix A);
- Daily climate data for the RCP6.0 climate change scenario (Section 3.4);
- Watershed model sub-module generated runoff (described in Sections 3.3 and 3.8);
- Estimates of runoff and net percolation for the WRSFs (described in Section 3.6.2);
- Modelled base case groundwater inflows to underground mine workings and Whale Tail Pit (Lorax 2024);
- Pump rates and treatment rates for water management infrastructure currently in place as of June 2023 (Section 2.2);
- Water treatment plant effluent water quality targets (described in Section 2.3).
- Non-contact water quality and geochemical source terms (described in Section 4.2 and Appendix C);
- Whale Tail Dike seepage rates (described in Section 2.2.1); and,
- Whale Tail Pit groundwater seepage rates (described in Section 3.6.5).

## 1.2 Report Structure

Following this introduction, the report is structured as follows:

- Section 2 describes the model input sources, including the mine plan, mine water management system, geochemical source terms, dike and groundwater seepage rates;

- Section 3 summarizes the key inputs and assumptions for the site-wide water balance model (WBM) and the modelling approach, including catchment delineation, the conceptual watershed model, evaporation algorithm, and mine component water balances (*e.g.*, pits, WRSFs, underground inflows), calibration exercise, and the Active Closure and Post-Closure assumptions;
- Section 4 describes the water quality model, including key assumptions, background water quality, geochemical source terms, and model validation;
- Section 5 summarizes the forward model projections for the water balance model;
- Section 6 summarizes the forward model projections for the water quality model; and,
- Section 7 provides a summary of key findings.

# 2. Model Input Sources

AGNICO EAGLE

# 2. Model Input Sources

## 2.1 Whale Tail ELOM Mine Plan

The ELOM mine plan proposes continued Operations until 2028. The Active Closure phase is initiated in July 2028, spanning a 17-year period ending with the Whale Tail North Basin to the final target elevation of 153.5 m. Once this threshold is achieved, the Post-Closure phase begins (nominally in July 2046), with the end of model horizon extended to the year 2069 to capture the long-term trends in water quality during Post-Closure.

Forecast model results are presented for the following time periods based on the ELOM mine plan. Historical site monitoring data are used to inform model calibration and validation.

- Operations: January 2024 to June 2028
- Active Closure: July 2028 to June 2046
- Post-Closure: July 2046 onwards (modelled out to December 2069)

The mine phases are unchanged from the currently approved mine plan, which includes four development phases: 1 year of construction (complete), 7 years of mine operations, 17 years of closure, and the post closure period. The ELOM mine layout (2028), including all delineated sub-catchments is presented in Figure 2-1. Annual layouts are provided in Appendix A-1.

Under the Whale Tail ELOM mine plan, the storage of underground mine water in IVR Pit will occur from late-2025 to 2028 and has the potential to occupy both lobes of the IVR Pit by 2028 (EOM). The storage of underground mine water in IVR Pit was listed as an alternative action in the Adaptive Management Plan (Agnico Eagle, 2021).

There is minimal change (+13%) to the currently permitted footprint of the IVR Pit from that submitted with the Modification application, and a reduction (-25%) in the Whale Tail Pit footprint. Even smaller changes are noted for the contributing catchments for the Whale Tail Pit (-14%) and IVR Pit (-1%) relative to the Modification submission (Table 2-1). There will be no changes to the footprints of the Whale Tail WRSF or the IVR WRSF, as additional waste rock will be stacked within the existing footprints.

The ELOM mine plan (2024-2028) includes the excavation of 60.5 Mt waste rock, 0.39 Mt of overburden and 11.6 Mt tonnes of ore from the Whale Tail and IVR pits (Table 2-2). The underground operations will excavate 3.5 Mt of ore and 0.74 Mt of waste rock over the 2024-2028 period. A total of 31.5 Mt of ore will be mined over the full life of mine (2017-2028), with the excavation of 207 Mt of waste rock and 5.2 Mt of overburden.

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO-LAKE-WATER
NEMO-LAKE-NATURAL
NEMO LAKE
IVR-DIVERSION-NATURAL
IVR DIVERSION
US-IVR-WRSF-NATURAL
US-IVRPIT-NATURAL WEST
US-IVRPIT-NATURAL EAST
IVR-DIKE-NATURAL
IVR-WRSF-DIKE
IVR-PIT EAST
GSP-3
IVR-PIT WEST
IVR-WRSF-IVRPIT
IVR WRSF
GSP-2
WT-WRSF-IVRPIT
WT-WRSF-DIKE
WHALE TAIL WRSF
IVR-PIT-PUSHBACK
WT-WRSF-IVRPUSHBACK
WT-PIT-PUSHBACK
GSP-1
EXP-IWRPAD
WT-WRSF-WTPIT
OSP-4
FUEL-FACILITIES
OSP-3
PAD K
IVR-ATTENPOND
WT-WRSF-POND
WRSF-POND-DIKE
OSP-1
OSP-2
HAUL TRUCK PARK
WT-PIT
WT-DIKE-NATURAL
WT-ATTENPOND
WAREHOUSE-PAD
WT-CAMP
OVERBURDEN STORAGE PAD
KANGISLULIK-DSDIKE-WATER
SANA-CRUSHER-PAD
KANGISLULIK-DIKE-NATURAL
WT-DIKE-LAKEBED
TEMP-NPAG-WRSF
WT-USDIKE-NATURAL
KANGISLULIK LAKE
KANGISLULIK-DSDIKE-NATURAL
WHALE TAIL LAKE (UIGUQLIQ)
WT-USDIKE-WATER
SWTDC-US

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2024Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM WB/WQM**

TITLE: Whale Tail ELOM Water Balance Layout - 2028

PROJECT #: A634-5

FIGURE: 2-1

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_2028_EOY_With_Catchments.dwg

## Table 2-1:
## Comparison of Contributing Catchment Areas

| Facility | Time Period | Maximum Contributing Watershed Area (km$^2$) | | | Percent Difference 2023 vs. 2024 (%) |
|---|---|---|---|---|---|
| | | 2021 WT/IVR Update[1] | 2023 Modification[2] | 2024 ELOM[2] | |
| Kangislulik Dike - Upstream | End-2022 | 0.24 | 0.29 | 0.29 | 0% |
| | 2023 to Closure | 0.12 | 0.17 | 0.27 | 58% |
| IVR Pit | End-2022 | 1.18 | 1.15 | 1.15 | 0% |
| | 2023 to Closure | 1.14 | 1.17 | 1.16 | -1% |
| IVR Pushback | End-2022 | 0.052 | 0.054 | 0.05 | 0% |
| | 2023 to Closure | 0.190 | 0.064 | 0.061 | -4% |
| Whale Tail Pit | Baseline to 2022 | 1.17 | 1.03 | 1.03 | 0% |
| | 2023 to Closure | 1.14 | 1.19 | 1.03 | -14% |

## Table 2-2:
## Mine Plan – Waste Rock, Overburden and Ore Excavations

| Year | Waste Rock (tonnes) | Overburden (tonnes) | Ore (tonnes) |
|---|---|---|---|
| 2017 | 272,090 | 199,454 | - |
| 2018 | 2,006,422 | 735,664 | 46,149 |
| 2019 | 12,246,381 | 1,510,888 | 1,140,323 |
| 2020 | 31,956,347 | 1,699,327 | 3,032,794 |
| 2021 | 34,022,619 | 622,159 | 4,085,788 |
| 2022 | 32,672,776 | - | 4,274,341 |
| 2023 | 32,517,312 | 2,187 | 3,842,648 |
| 2024 | 27,373,256 | 394,577 | 4,696,653 |
| 2025 | 24,399,476 | - | 4,844,264 |
| 2026 | 8,387,859 | - | 3,686,279 |
| 2027 | 1,148,551 | - | 1,547,580 |
| 2028 | 2,400 | - | 353,240 |
| Achieved (2017-2023) | 145,693,947 | 4,769,679 | 16,422,043 |
| ELOM (2024-2028) | 61,311,543 | 394,577 | 15,128,016 |
| **Total** | **207,005,490** | **5,164,256** | **31,550,059** |

**Notes:**
2017-2023 values are achieved tonnages.
Waste rock tonnages include PAG and NPAG waste rock

## 2.2 Water Management Assumptions and Inputs

The mine water management plan is based upon two guiding principles; diverting clean (non-contact) water away from mine infrastructure where possible and separating the two mine affected water types (*i.e.*, surface contact water and groundwater; Agnico Eagle, 2020; Figure 2-2). The Whale Tail ELOM also includes the temporary storage of groundwater generated from the underground mining operations in the IVR Pit.

### 2.2.1 Attenuation Ponds and Pump Rates

All surface contact water generated from mine facilities is collected and routed through a series of sumps and attenuation ponds and treated by the O-WTP prior to discharge to the receiving lakes (see Section 2.3 and Appendix B). Key operational water levels and corresponding pond volumes have been coded into the model (Table 2-3), along with the pump rates presented in Table 2-4 and Table 2-5. Pumping is initiated in the model once water levels rise above a target elevation, generally 1 to 2 masl from the pond bottom to account for operational necessity of keeping the pump intakes above any accumulated sediment within the ponds.

**Table 2-3:**
**Contact Water Pond and Lake Operating Levels and Volumes**

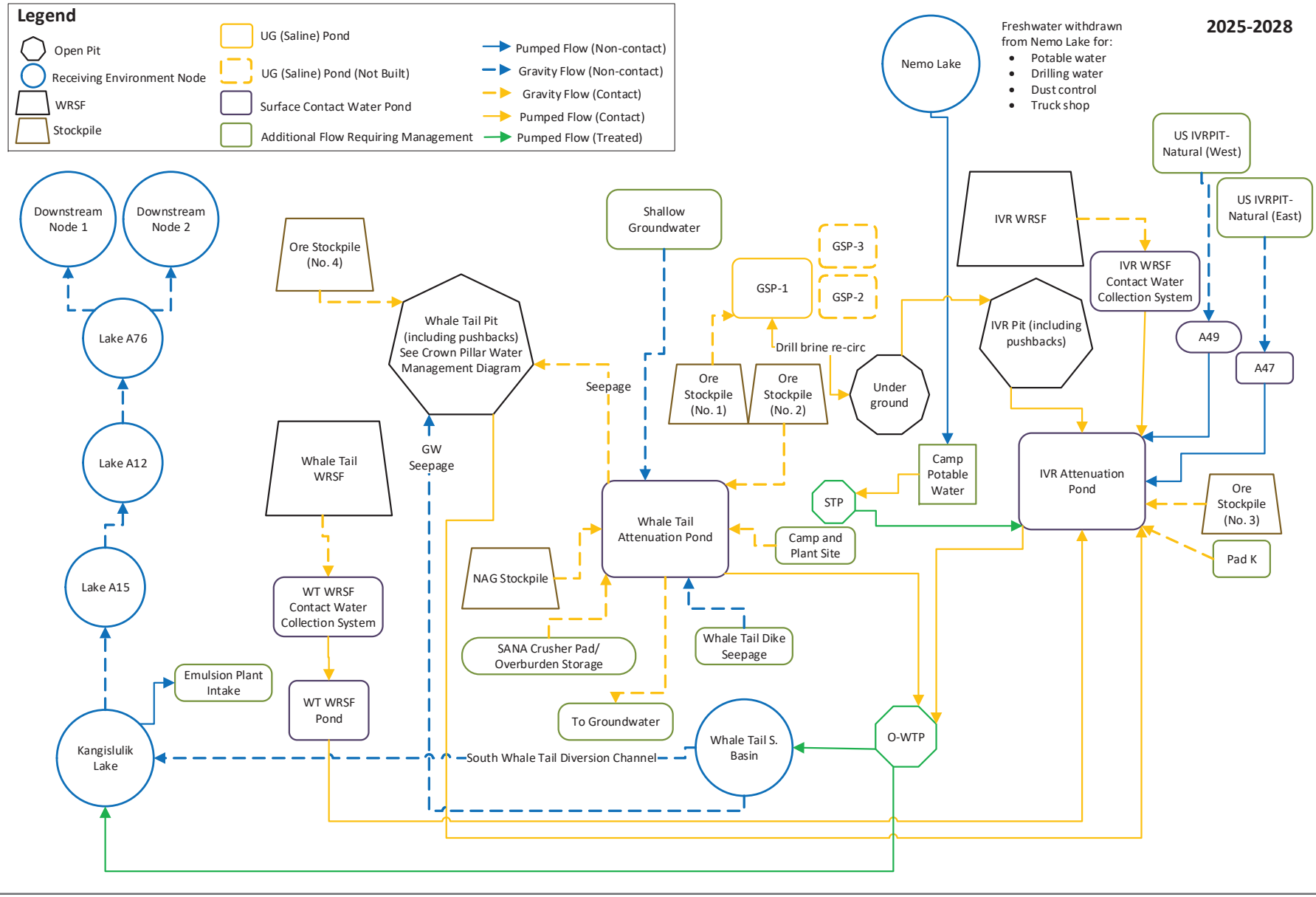
| Feature | Min. Operating Level (m) | Max. Operating Level (masl) | Storage Volume at Max. Operating Level ($m^3$) | Critical Level (masl) | Operating Guidelines |
|---|---|---|---|---|---|
| Whale Tail WRSF Pond | 153.5* | 154.0 | 27,780 | 156.0 | If Max. Operating Level exceeded, lower water level to operational level within 7 days |
| Whale Tail Attenuation Pond | 135.0* | 143.5 | 131,476 | 145.5 | If Max. Operating Level exceeded, lower water level to operational level within 15 days |
| IVR Attenuation Pond | 159.0* | 163.2 | 389,819 | 164.2 | If Max. Operating Level exceeded, lower water level to operational level within 15 days |
| GSP-1 | 142.3* | 154.0 | 140,094 | 155.0 | If Max. Operating Level exceeded, lower water level to operational level within 30 days |
| IVR Pit | -10.0** | 122.0 | 12,843,518 | 123.0 | Water level to remain 1 m below sill between Whale Tail Pit and IVR Pit at 123 m |
| Kangislulik Lake | 152.2 | 153.0 | 6,448,373 | 153.3 | If lake within Operating level range, resume or maintain standard operations. Water level must not exceed 152.5 masl prior to freshet. During freshet - rate of rise must be < 0.05 m/day. |
| Whale Tail South Basin | 153.5 | 155.8 | 15,405,444 | 156.3 | If Max. Operating Level exceeded, lower water level to operational level within 15 days |

**Notes:**
*Minimum operating level corresponds to the bottom of the pond.
**Minimum operating level corresponds to the pit or lake bottom.

## Table 2-4:
## Contact Water Ponds, Routing, and Pump Rates

| Pond | Inputs | Pump Rate ($m^3$/day) | Pumped To | Pump Rate ($m^3$/day) | Notes |
|---|---|---|---|---|---|
| Whale Tail WRSF Collection Pond | Whale Tail WRSF Seepage | 4,560 | IVR Attenuation Pond | 5,520 | |
| | Whale Tail WRSF Dike D/S | 720 | | | |
| Whale Tail Attenuation Pond | Lake A53 | N/A | IVR Attenuation Pond | 18,430 | Sept. 2020 only |
| | Whale Tail Pit | 9,600 | | | Up to December 2022 |
| | Runoff Road 7[1] | 4,800 | | | |
| | IVR Pit | N/A | | | 2020 only |
| | Whale Tail South Basin Seepage[2] | N/A | | | |
| | A49 | N/A | | | 2020 only |
| | A47 | N/A | | | 2020 only |
| | Mammoth D/S[1] | 4,992 | | | |
| IVR Attenuation Pond | Whale Tail WRSF Pond | 5,520 | O-WTP (routed to either Kangislulik Lake or Whale Tail South Basin) | 31,200 | |
| | Mammoth D/S[1] | 4,992 | | | |
| | Runoff Road 7[1] | 4,800 | | | |
| | A47-NW Sump | 10,800 | | | |
| | A49 | 14,160 | | | Intermediate staging sump for IVR Pit dewatering |
| | Whale Tail Pit | 19,680 | | | Sole receiver of Whale Tail Pit dewatering after Dec. 2022 |
| | IVR WRSF Seepage | 12,000 | | | |
| | IVR Pit | 3,000 | | | |
| | Whale Tail Attenuation Pond | 18,430 | | | |
| | Sump06/Komatiite Sump | 3,360 | | | |
| GSP-1 | Underground dewatering | N/A | Recirculation of brine to UG for drilling water | N/A | |
| IVR Pit | Underground dewatering | See Section 3.6.5 | | | |
| | Pit Wall Runoff | N/A | N/A | N/A | |

**Notes:**
Meteoric inputs (rain and snow melt) are included in all pond water balances, as are evaporative losses from the pond surface
[1]May be routed to either the Whale Tail Attenuation Pond, or the IVR Attenuation Pond
[2]Seepage rate currently 200 $m^3$/hour in May and June, and 150 $m^3$/hour for the remainder of the year based on recent measured data




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2025-28)

PROJECT #: A634-5

FIGURE: 2-2

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-5_2025-28.mxd

**Table 2-5:**
**Collection Pond and Water Treatment Pump Rates**

| Intake Point | Discharge Point | Rate ($m^3$/hour) |
|---|---|---|
| Whale Tail WRSF Sumps | Whale Tail WRSF Collection Pond | 78 – 113 |
| WRSF Dike D/S | Whale Tail WRSF Collection Pond | 30 |
| Whale Tail WRSF Collection Pond | Whale Tail Attenuation Pond/IVR Attenuation Pond | 230 |
| IVR WRSF Sumps | IVR Attenuation Pond | 200 – 300 |
| Whale Tail Pit | Whale Tail Attenuation Pond/IVR Attenuation Pond | 400/820 |
| IVR Pit Main Sump | IVR Attenuation Pond | 125 |
| Whale Tail Attenuation Pond | IVR Attenuation Pond | 768 |
| Whale Tail Attenuation Pond | O-WTP | 1,200 |
| IVR Attenuation Pond | O-WTP | 1,200 |
| O-WTP | Whale Tail South Basin | 1,300 |
| O-WTP | Kangislulik Lake | 1,300 |

#### *2.2.1.1 Whale Tail Dike Seepage*

Currently, measured seepage at the Whale Tail Dike is approximately 150 $m^3$/hour for most of the year at an average annual water levels of 155.5 masl in Whale Tail South Basin, and 142 masl in the Whale Tail Attenuation Pond (Table 2-6). During freshet (May and June) elevated water levels drive higher seepage rates approaching 200 $m^3$/hour. Within the model, the seepage rate is scaled according to the linear relationships presented in Figure 2-3, which assumes the seepage rate is driven by the hydraulic gradient between the Whale Tail Attenuation Pond and the Whale Tail South Basin. This relationship allows the seepage rate through the dike to be modeled as a function of the hydraulic gradient, allowing a reduction in seepage through the dike to be represented during the Active Closure phase as the Whale Tail Attenuation Pond is flooded.

**Table 2-6:**
**Seepage through Whale Tail Dike as a Function of Whale Tail Attenuation Pond Water Level**

| Water Body | Water Level (m) | Gradient (m) | Gradient (%) | Seepage ($m^3$/hr) | Seepage ($m^3$/hr) |
|---|---|---|---|---|---|
| Whale Tail S. Basin | 155.5 | | | **May-June** | **July-April** |
| Whale Tail Attenuation Pond | 142 | 13.5 | 100% | 200 | 150 |
| | 143 | 12.5 | 93% | 185 | 139 |
| | 144 | 11.5 | 85% | 170 | 128 |
| | 145 | 10.5 | 78% | 156 | 117 |
| | 146 | 9.5 | 70% | 141 | 106 |
| | 147 | 8.5 | 63% | 126 | 94 |
| | 148 | 7.5 | 56% | 111 | 83 |
| | 149 | 6.5 | 48% | 96 | 72 |
| | 150 | 5.5 | 41% | 81 | 61 |
| | 151 | 4.5 | 33% | 67 | 50 |
| | 152 | 3.5 | 26% | 52 | 39 |
| | 153 | 2.5 | 19% | 37 | 28 |
| | 154 | 1.5 | 11% | 22 | 17 |
| | 155 | 0.5 | 4% | 7 | 6 |
| | 155.5 | 0 | 0% | 0 | 0 |

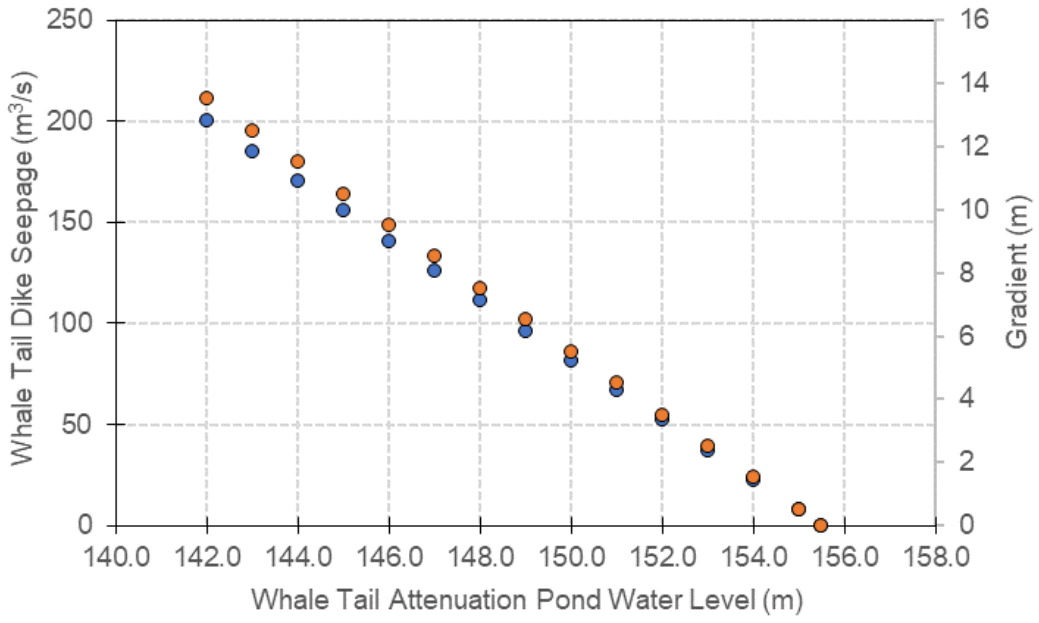



**Figure 2-3: Relationship between Whale Tail South Basin and Whale Tail Attenuation Pond water level gradient and dike seepage flows.**

### 2.2.2 Consumptive Freshwater Uses

Consumptive freshwater uses (*e.g.*, potable water, dust control, drilling water for open pits *etc*.) are supplied by withdrawal from Nemo Lake and are not included as direct inputs to the water balance model. The emulsion plant draws fresh water from Kangislulik Lake. This additional water is already incorporated in various components of the mine water balance, such as discharge from the sewage treatment plant, and pit sump discharges.

## *2.3 Water Treatment*

### 2.3.1 Operations Water Treatment Plant (O-WTP)

All mine site effluent is treated by the operations water treatment plant (O-WTP) prior to discharge to either Whale Tail South Basin or Kangislulik Lake via diffusers. The O-WTP is comprised of two parallel treatment trains capable of a maximum treatment rate of 800 $m^3$/hour each (1,600 $m^3$/hour total).

Currently, treated water is pumped from the O-WTP to Kangislulik Lake via diffusers during the summer months (typically May to September), at an average rate of 550 $m^3$/hour. During winter months (typically October to June), treated water is pumped a shorter distance to the to the Whale Tail South Basin diffuser at an average rate of 350 $m^3$/hour. These rates are expected to increase as the Whale Tail ELOM proceeds and volumes of contact water requiring treatment increase. As a conservative model assumption, a 1,300 $m^3$/hour treatment rate through the O-WTP was applied in the WBM in all months. The plant has the capacity to operate at a rate of 1,450 $m^3$/hour to handle high-intensity, short duration runoff events, however, this higher rate has not been applied in the model.

Active water treatment will continue in June to September at a maximum rate of 1,300 $m^3$/hour for the first five years of Active Closure (2028-2033). During this period, contact water will be pulled from the IVR Attenuation Pond, treated by the O-WTP and then pumped to the IVR Pit.

The O-WTP is designed to treat total arsenic to a concentration of 0.1 mg/L and total suspended solids (TSS) to a concentration of 15 mg/L. Based on operational experience, the O-WTP removes total arsenic concentrations to well below 0.1 mg/L and generally removes more than 85% of arsenic present in influent. During the early Operations period (2020-2022), achieved O-WTP treatment efficiencies in the form of monthly average monitored effluent concentrations were applied to the water quality model. In the forward-looking model (2023 onwards), an arsenic removal rate of 85% was applied with a maximum treatment concentration of 0.1 mg/L.

### 2.3.2 Sewage Treatment Plant Effluent

Estimated potable water use per person is 240 L/day, and the camp capacity is currently 600 persons, which equates to a total inflow to (and thus treated discharge rate from) the sewage treatment plant (STP) of 130 $m^3$/day, routed to the IVR Attenuation Pond during Active Closure, the STP is assumed to operate for 6 months of the year (May to October) at an average daily discharge of 12 $m^3$/day.

The STP effluent consists of domestic wastewater that is expected to receive elevated nutrient concentrations (*i.e.*, phosphorus, nitrogen species) and is designed to treat total phosphorus and nitrate concentrations to 0.5 and 5 mg/L, respectively. The effluent water quality from the STP was modelled using median concentrations observed in STP effluent (ST-WT-11) between January 2021 to December 2021, with total phosphorus and nitrate concentrations capped at the treatment targets noted above.

# 3. Water Balance Model Methods



# 3. Water Balance Model Methods

This section summarizes the approach, assumptions, conceptual model and inputs used to construct the site-wide water balance model.

## 3.1 Approach and Assumptions

The site-wide WBM is set-up to represent the interaction of the local climatic regime with the mine plan and water management plan, and based on these interactions, to predict the volumes of various water types (*i.e.*, non-contact, surface contact and underground) requiring management, treatment and discharge to the receiving environment. Given the potential for upset conditions to occur on sub-monthly time scales (*i.e.*, high magnitude rainfall events, rapid freshet), and the operational necessity of managing mine contact waters on a daily basis, the WBM is set-up to run on a daily time-step.

## 3.2 Sub-catchment Delineation

In order to generate water volume estimates ([volume ($L^3$)]/[time (T)]) from precipitation inputs ([depth (L)]/[time (T)]), the delineation of both the natural and mine-altered watershed areas ($L^2$) was necessary for modelling locations of interest in the Whale Tail ELOM mine plan. The annual mine layouts were provided by Agnico Eagle in .dxf file format, and the sub-catchment delineations for each mine component were completed in the AutoCAD2023 software package. The catchment areas by year are presented in Appendix A.2. Sub-catchment nomenclature was based on the water management feature that each mine component reports to via gravity drainage. For example, 'US-IVRPIT-Natural' refers to the upstream non-contact area drainage that reports to the IVR Pit.

## 3.3 Conceptual Watershed Model

The streamflow regime in the Mine area is strongly nival (snowmelt dominated), with freshet typically occurring between the end of May and mid-June. Additional peak flow events are common throughout the open water season (May through early October), driven by large rainfall events. Significant volumes of water may be delivered to the local watercourses in the span of 2 days yet may subsequently be followed by prolonged dry periods where surface flows diminish to the point where active layer discharge is the main determinant of streamflow (Golder, 2017).

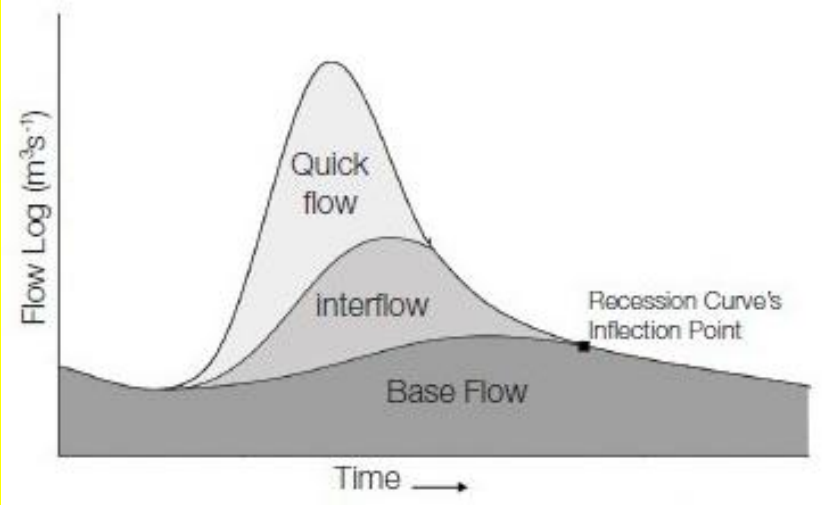
As the open water season progresses, active layer melt can contribute increasing discharge volumes to local watersheds, expressed as an increasing baseflow signature throughout the summer. Finally, average winter temperatures are well below zero, and surface flow in all

local watersheds is reduced to zero as lake outlets and stream channels freeze in during winter.

A customized site-wide water balance model was constructed in the GoldSim modeling environment to allow the seasonally variable baseline conditions in the Mine area to be accurately represented. Figure 3-1 shows the commonly accepted components of streamflow in natural catchments with surface volumes of water reporting with one of three signatures:

- *Quick flow* – generated by storm or snowmelt events and often resulting in peak flow events. For tributaries local to the Whale Tail Mine, water contributed via this mechanism may report to creeks in less than 2 days time;
- *Interflow* – this refers to the lateral movement of infiltrated meteoric water through the shallow overburden and active layer to the lakes and stream channels. Flow reporting to watercourses along this pathway is often referred to as vadose or unsaturated zone flow; and,
- *Baseflow* – the portion of surface flow derived from groundwater discharge. In the Mine area, this flow component is understood to be negligible, and largely consists of water introduced via active layer melt.

The watershed model assembled to replicate the streamflow regime in the Mine area incorporates this understanding of streamflow composition and response directly into the model architecture. Accordingly, surface runoff, interflow, active layer melt and baseflow, are all represented in the site-wide WBM, which is a modified version of the Birkenes model. This model was developed as part of a research program to understand linkages between stream chemistry and flow in a small (< 1 $km^2$) catchment in southern Norway (*e.g.*, Christophersen and Seip, 1982; Seip *et al*., 1985). The modelling approach is depicted as a conceptual diagram in Figure 3-2.




Source: http://turmalina.igc.usp.br/img/revistas/guspsc/v13n1/a01fig07.jpg

**Figure 3-1: Conceptual hydrograph showing runoff partitioning.**

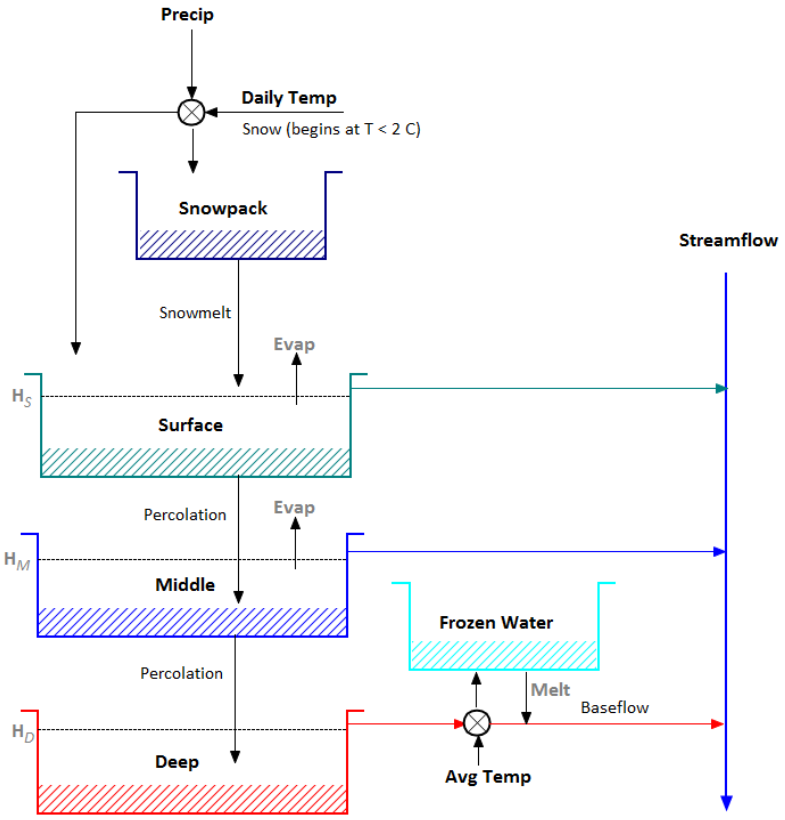



**Figure 3-2: Schematic presenting an overview of the three-reservoir water balance model in conceptual format.**

Conceptually, incoming precipitation is partitioned in the WBM watershed model between rain and snow based on air temperature thresholds. Incident precipitation is partitioned between snow and rainfall at the 0°C mean daily air temperature threshold. Sublimation losses are set at a constant of 0.3 mm/day, which equals approximately 73 mm over the course of a winter season, or 41% of average annual snowfall. Rainfall is then directed into the Surface reservoir, which represents the quickflow runoff response shown in Figure 3-1. The volume of water routed from this reservoir to streamflow at each time-step is governed by a constant draindown parameter. As the reservoir volume decreases, the rate of outflow decreases, and thus the draindown curve approximates a negative exponential function.

Excess water contained within the Surface reservoir percolates at a rate proportionate to the Surface volume into the Middle reservoir, representative of the interflow runoff component in Figure 3-1. The proportions of Middle reservoir water routed to streamflow and to the Deep reservoir are governed by the same functions as for the Surface reservoir but have different parameter values to reflect the slower unsaturated flow response to infiltrating meteoric inputs. Figure 3-2 shows that when the Deep reservoir fills, slow recession flow from the reservoir reports to baseflow (and fractionally to channel ice formation in winter). Where channel ice has been modelled (based on air temperature) to freeze completely to bed during the winter months, streamflow is zero. In the model, evaporation is withdrawn from both surface reservoirs (Surface and Middle). The Deep reservoir is protected from evaporation (described in Section 3.4) and provides a source for winter baseflow and ice formation. Finally, snowmelt and melting of channel ice are indexed to the daily mean air temperature. Channel ice is assumed to melt at 20% of the snowmelt rate, due to its higher density and location in the shaded valley bottoms.

Additional information pertaining to the three-reservoir watershed model, including specific parameter values and assumptions are detailed in Section 3.8.1.

## *3.4 Climate Inputs*

The climate input series spans a 51-year period from 2020 to 2069 and consists of daily minimum and maximum air temperature and precipitation values derived from the Baker Lake climate station and adjusted to reflect future climate projections under the RCP6.0 representative concentration pathway (Okane, 2022a; 2022b). Daily mean temperature is also a required input for the WBM and was calculated as the average of the minimum and maximum daily temperatures.

Mean annual precipitation in the RCP6.0 input series over the Operations period is 338 mm, and on a monthly average basis, precipitation ranges from lows of approximately 14.3 mm in February, to an annual maximum value of 60.5 mm in September. While

typically snow falls in all months except July and August, the higher precipitation received during the summer months results in an average annual split of 58% snow to 42% rain. The annual average air temperature is -10.0°C, with minimum and maximum mean temperatures of -29.5°C in January and 13.6°C in July, respectively (Table 3-1; Figure 3-3).

**Table 3-1:**
**Average Monthly Climate Conditions at the Whale Tail Mine for the Operations Phase (2020-2028)**

| Parameter | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Min. Temp. (°C) | -33.0 | -34.0 | -29.1 | -22.2 | -9.3 | 2.4 | 8.8 | 7.6 | 1.5 | -5.8 | -19.4 | -29.3 | -13.5 |
| Avg. Temp. (°C) | -29.5 | -30.6 | -25.2 | -18.0 | -6.0 | 6.8 | 13.6 | 10.9 | 3.8 | -3.5 | -16.0 | -26.1 | -10.0 |
| Max. Temp. (°C) | -26.1 | -27.2 | -21.3 | -13.8 | -2.7 | 11.1 | 18.4 | 14.2 | 6.0 | -1.3 | -12.6 | -22.9 | -6.5 |
| Precipitation (mm) | 15.4 | 14.3 | 21.5 | 22.2 | 21.2 | 26.8 | 33.6 | 49.8 | 60.5 | 32.6 | 21.6 | 18.9 | 338.4 |
| Rain (mm) | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 26.5 | 33.6 | 45.3 | 21.8 | 2.3 | 0.0 | 0.0 | 140.8 |
| % Rain | 0% | 0% | 0% | 0% | 53% | 99% | 100% | 91% | 36% | 7% | 0% | 0% | 42% |
| Snow (mm) | 15.4 | 14.3 | 21.5 | 22.2 | 9.9 | 0.3 | 0.0 | 4.5 | 38.7 | 30.4 | 21.6 | 18.9 | 197.6 |
| % Snow | 100% | 100% | 100% | 100% | 47% | 1% | 0% | 9% | 64% | 93% | 100% | 100% | 58% |

**Table 3-2:**
**Average Monthly Climate Conditions at the Whale Tail Mine for the Closure and Post-Closure Phases**

| Phase | Closure (2029-2045) | | | | Post-Closure (2046-2069) | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **MinT (°C)** | **AvgT (°C)** | **MaxT (°C)** | **Precip (mm)** | **MinT (°C)** | **AvgT (°C)** | **MaxT (°C)** | **Precip (mm)** |
| Jan | -30.5 | -26.9 | -23.3 | 19.2 | -28.3 | -24.6 | -21.0 | 22.5 |
| Feb | -31.7 | -28.2 | -24.8 | 17.8 | -27.4 | -23.9 | -20.4 | 23.6 |
| Mar | -26.8 | -23.0 | -19.3 | 23.3 | -24.9 | -21.1 | -17.4 | 26.9 |
| Apr | -21.0 | -16.9 | -12.7 | 28.5 | -17.7 | -13.9 | -10.1 | 27.2 |
| May | -8.1 | -5.3 | -2.4 | 23.3 | -4.6 | -1.7 | 1.2 | 25.7 |
| Jun | 2.9 | 7.4 | 11.9 | 16.8 | 5.8 | 10.6 | 15.3 | 24.6 |
| Jul | 8.5 | 13.2 | 17.9 | 46.8 | 9.9 | 14.3 | 18.7 | 55.4 |
| Aug | 7.8 | 11.4 | 14.9 | 47.2 | 9.0 | 12.3 | 15.6 | 56.0 |
| Sep | 1.3 | 3.7 | 6.1 | 49.2 | 2.9 | 5.3 | 7.6 | 57.4 |
| Oct | -6.6 | -4.3 | -2.0 | 44.7 | -3.9 | -1.9 | 0.1 | 51.2 |
| Nov | -17.6 | -14.2 | -10.9 | 31.3 | -15.0 | -12.0 | -9.0 | 35.0 |
| Dec | -26.5 | -23.0 | -19.4 | 26.1 | -22.9 | -19.5 | -16.0 | 28.4 |
| **Annual** | **-12.4** | **-8.8** | **-5.3** | **374.1** | **-9.8** | **-6.4** | **-3.0** | **433.8** |

Under the RCP6.0 climate change scenario, both air temperature and precipitation are projected to increase. For example, annual average precipitation is projected to increase from 338 mm in Operations, to 374 mm in Closure, and 434 mm in Post-closure (Table 3-2; Figure 3-3).

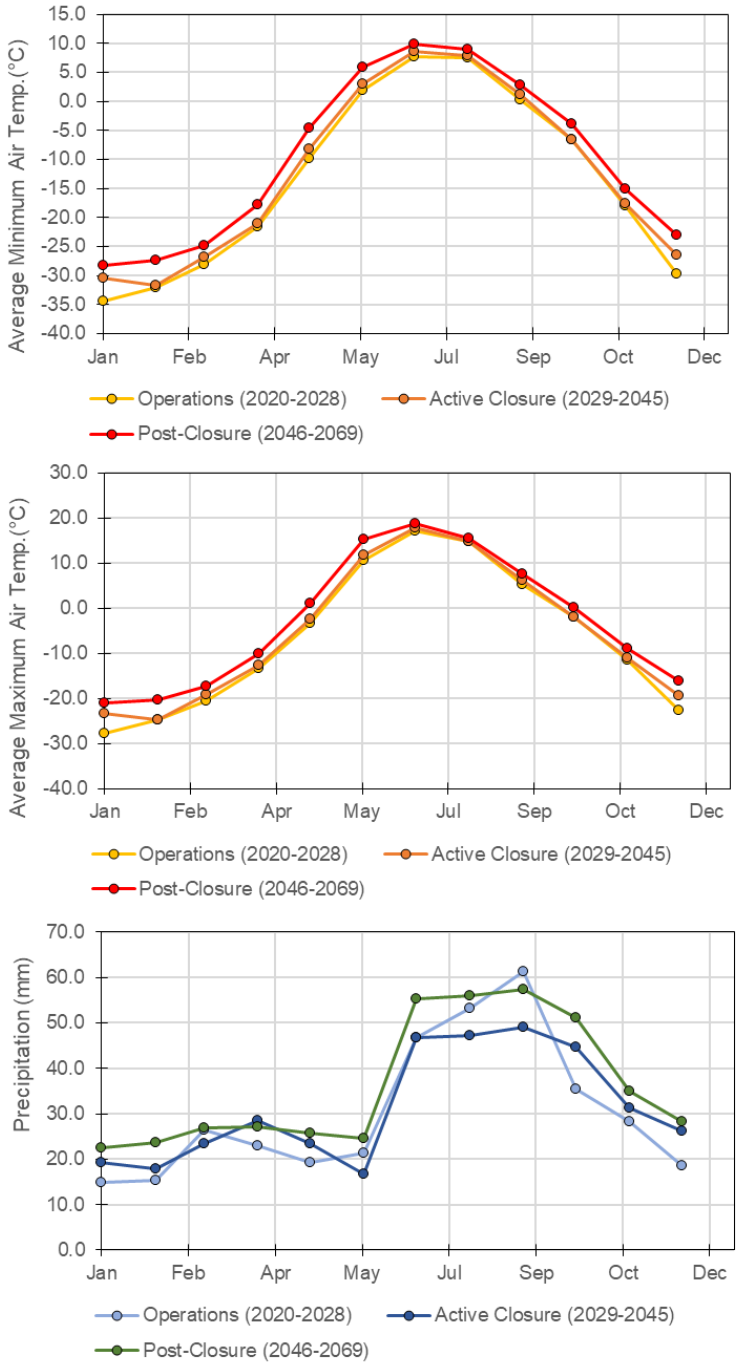



**Figure 3-3: Mean monthly minimum (top) and maximum (middle) air temperature and precipitation (bottom) for the Operations, Closure and Post-Closure phases under the RCP6.0 climate change scenario.**

## 3.5 Potential Evapotranspiration

Most physically based evaporation models (*e.g.*, Penman-Monteith model, Priestley-Taylor formulation) used to estimate evaporation based on the site climate record require solar radiation, relative humidity and wind speed as inputs – parameters that are difficult to generate synthetic estimates for due to topographical influences on wind speeds and data availability. To address this issue, the Hargreaves-Samani method (Hargreaves and Samani 1985) was used to develop estimates of potential evaporation, using the long-term daily record of minimum, average and maximum daily temperatures, as well as factors related to potential solar insolation (*e.g.*, latitude [65.33°] and day of year).

On an average annual basis, potential evapotranspiration is estimated to be 353 mm, varying from near zero in November through March, to an annual maximum of 105 mm in July (Figure 3-4).

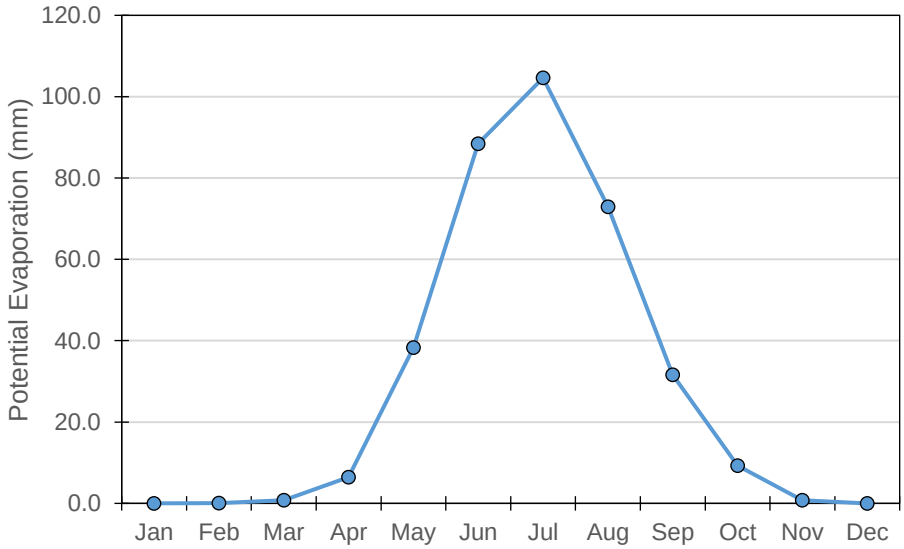



**Figure 3-4: Monthly average potential evapotranspiration.**

## 3.6 Mine Component Water Balances

There are four categories of mine infrastructure responsible for the majority of geochemical loadings:

- Open pits (Section 3.6.1);
- Waste Rock Storage Facilities (WRSFs; Section 3.6.2);
- Underground WRSFs (Section 3.6.3) and ore stockpiles (Section 3.6.4); and,
- Underground dewatering (Section 3.6.5)

At the time of writing, 2-3 years of pumping and water level data was available to constrain estimates of surface contact water volume generated by the open pits, WRSFs, Attenuation Pond water balances and water quality as a proxy for the magnitude of source loadings from these landforms. These water level monitoring data were employed as calibration targets for the Attenuation Ponds and receiver lakes, and the measured monthly pump volumes were input directly into the calibration water balance model. The results of this calibration exercise (described in Section 3.7) were carried over to the predictive WBWQM to inform estimates of contact water generation from the open pits, and to confirm the estimates of waste rock contact water (interflow and runoff) provided by Okane (2022).

Future estimates of surface runoff, infiltration, interflow and basal seepage from the WRSFs were modelled by Okane (2022) for the RCP6.0 climate change scenario and provided at a daily time-step for direct input to the WBWQM. 2D thermal and water balance models were run in parallel for the WRSFs. A summary of the key 2D model water balance outputs used as direct inputs to the WBWQM is provided in the following sections, and the reader is referred to the referenced reports for further detail on the conceptual models, inputs and assumptions used to generate these landform water balances.

Predictions of future underground inflow rates were generated using a 3D groundwater model (Lorax 2023b; Section 3.6.5). In addition to the above listed mine infrastructure, ore pads and underground WRSFs are also expected to contribute additional geochemical loadings.

### 3.6.1 Open Pits

This section presents the data, analyses and assumptions used to generate modelled estimates of surface runoff and groundwater inflows reporting to the pit sumps in Whale Tail and IVR Pit.

#### *3.6.1.1 Surface Runoff*

Pit sump pumping records were used to constrain the volumes of water reporting to the pits on a monthly basis. These flows aggregate pit wall runoff, upgradient natural catchments reporting to the open pits (*i.e.*, undiverted), and in the case of the Whale Tail Pit, groundwater inflows. The IVR Pit is located entirely within permafrost, and as such, does not currently experience groundwater inflow. It is assumed that Sump A47 collects most of the non-contact water from the US IVRPIT-Natural catchment, but 10% is assumed to bypass and report to the IVR Pit, resulting in seasonal fluctuations in pit water chemistry.

The monthly pumped volumes were converted to runoff depths using the annual pit shell and contributing catchment areas for the 2020 to 2022 period, and annual runoff

coefficients calculated based on the water year precipitation totals. For the Whale Tail Pit, winter pump volumes (*i.e.*, October to April) were averaged, and assumed to represent the groundwater inflows for the year in question. These volumes were subtracted from the total pumped volumes prior to calculating the annual runoff coefficients (Table 3-3). Based on this analysis, a constant runoff coefficient of 0.42 was assumed for the Whale Tail Pit, and 0.34 for the IVR Pit over the calibration period, and a weighted average pit wall runoff coefficient of 0.40 was applied for the forward-looking model. This analysis was updated with the 2023 pumping data, which supported these assumptions. Note that the water year runoff derived from the Whale Tail pit pumping data is abnormally low relative to both the precipitation, and relative to the runoff derived for the IVR Pit in the same year, therefore the Whale Tail pit runoff coefficient assumed in the model was not updated.

**Table 3-3:**
**Calculated Pit Catchment Runoff Coefficients**

| Open Pit | Variable | 2020 | 2021 | 2022 | 2023 | Average |
|---|---|---|---|---|---|---|
| Whale Tail Pit | Water Year Precipitation | 363 | 344 | 235 | 265 | 302 |
| | Water Year Runoff | 119 | 138 | 124 | 15 | 110 |
| | Runoff Coefficient | 0.33 | 0.40 | 0.53 | 0.06 | 0.36 |
| IVR Pit | Water Year Precipitation | -- | 344 | 235 | 265 | 281 |
| | Water Year Runoff | -- | 137 | 67 | 46 | 89 |
| | Runoff Coefficient | -- | 0.40 | 0.29 | 0.17 | 0.31 |

Within the WBWQM, it is assumed that 90% of the non-contact catchment area upgradient of the IVR Pit is captured by the A47 Sump, which is pumped to the IVR Attenuation Pond, while 10% of this catchment runoff reports to the IVR Pit. This is based on the road and accompanying ditch alignment around the north side of the IVR Pit ( Figure 2-1).

#### *3.6.1.2 Groundwater Inflows*

No groundwater inflow to IVR Pit has been noted during mining operations, due to this pit being located entirely within permafrost. This condition is not anticipated to change over the duration of Operations, and therefore no groundwater inflows to the IVR Pit are considered within the WBWQM.

Whale Tail Pit receives groundwater inputs via seepage faces along the pit walls. The proportion of surface runoff from pit walls and the surrounding catchments to groundwater seepage has varied as the pit has been mined but averages 65% over the 2019-2023 monitoring period (Figure 3-5; Table 3-4). Over the 2022-2028 period, ~65% of predicted flow to the Whale Tail pit is derived from the Whale Tail South Basin; the remaining ~35%

is derived from the Whale Tail Attenuation Pond. About 10% of the flow that originates from the Whale Tail South Basin first reports to the Attenuation Pond prior to reporting to the pit. This flow component is included in the portion of flow originating from the Whale Tail South Basin (Lorax, 2024).

The Whale Tail Pit at EOM is expected to develop two lobes: the eastern lobe (Whale Tail Pit Pushback), and the main western lobe (Whale Tail Pit). Pit inflows into these lobes will be managed separately. The inflows into the Whale Tail Pit Pushback, which consist of surrounding catchment inflows and pit wall runoff, will be captured in the Pushback pit sump and then pumped to the IVR Attenuation Pond (Figure 3-5). For the main Whale Tail Pit lobe, 80% of the surface runoff, pit wall runoff and GW inflows through the pit wall will be captured prior to reporting to the crown pillar (CP) and will be pumped to the IVR Attenuation Pond. The remaining 20% of total Whale Tail Pit inflows will report to the CP and captured by a separate UG sump immediately below the crown pillar and then pumped to the IVR Pit along with the groundwater inflows to the underground workings (Figure 3-5).

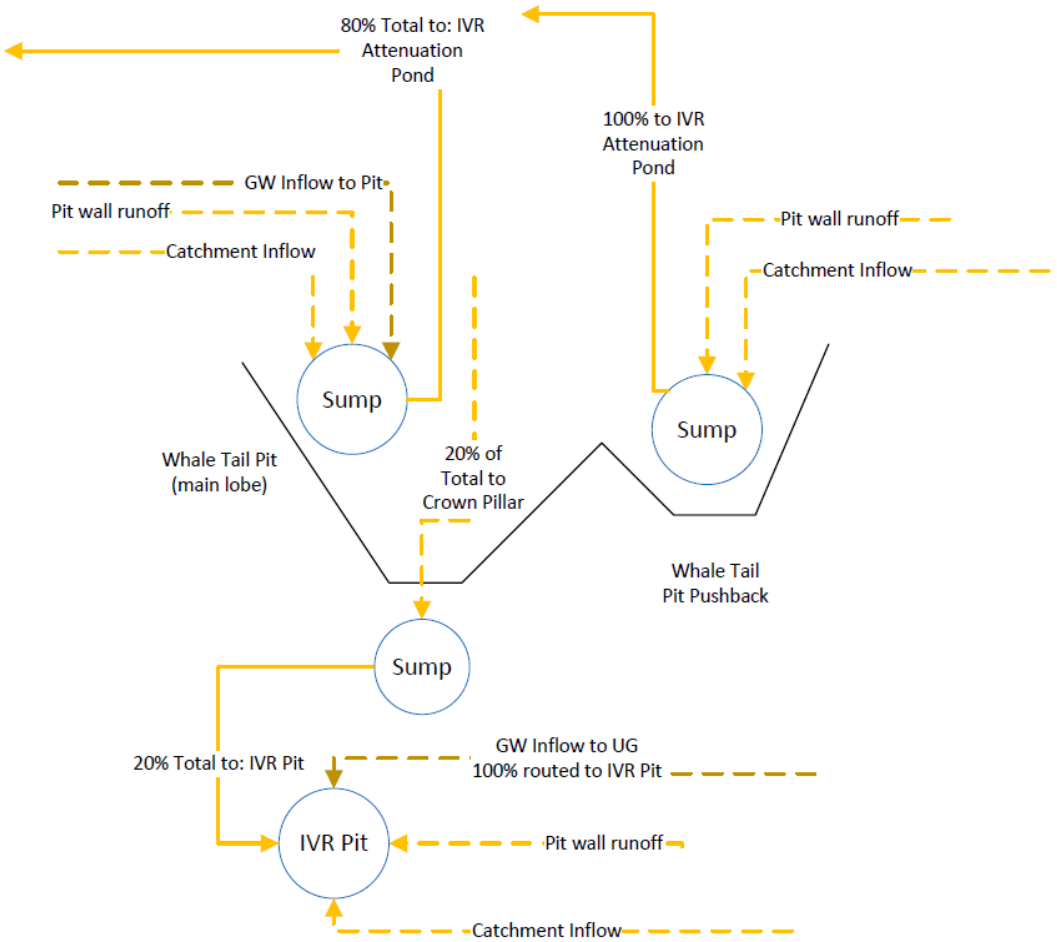



**Figure 3-5: Whale Tail Pit and Crown Pillar Water Management Schematic**

**Table 3-4:**
**Monitored Whale Tail Pit surface runoff and groundwater seepage inputs**

| Period | GW Inflows to Whale Tail Pit ($m^3$) | Runoff + Meteoric Inflows ($m^3$) | GW as % Inflow |
|---|---|---|---|
| 2019 | 140,591 | 223,971 | 39% |
| 2020 | 508,816 | 112,480 | 82% |
| 2021 | 745,437 | 254,243 | 75% |
| 2022 | 774,451 | 69,534 | 92% |
| 2023 | 730,008 | 119,282 | 86% |

**Table 3-5:**
**Predicted Whale Tail Pit groundwater inflows for Operations phase**

| Year | Whale Tail Pit Inflows | Inflow from Whale Tail Attenuation Pond[1] | | Inflow From Whale Tail South Basin[1] | |
|---|---|---|---|---|---|
| | $m^3$/day | % of Total | $m^3$/day | % of Total | $m^3$/day |
| 2022 | 2,540 | 34% | 864 | 66% | 1,676 |
| 2023 | 3,120 | 34% | 1,061 | 66% | 2,059 |
| 2024 | 3,280 | 39% | 1,279 | 61% | 2,001 |
| 2025 | 3,310 | 39% | 1,291 | 61% | 2,019 |
| 2026 | 3,300 | 39% | 1,287 | 61% | 2,013 |
| 2027 | 3,430 | 39% | 1,338 | 61% | 2,092 |
| 2028 | 3,430 | 39% | 1,338 | 61% | 2,092 |

**Notes:**
1. Approximately 10% of the inflow to Whale Tail Pit travels from the Whale Tail South Basin to the Whale Tail Attenuation Pond and then on to the pit. This flow is included in the percentage/flow rate originating from the Whale Tail South Basin.

Source: Lorax (2024)

During Active Closure, Golder (2019a) predicted that the seepage face on the South Wall would glaciate due to the northern exposure and negative average annual air temperatures, restricting additional seepage ingress to the Whale Tail Pit. As pit flooding progresses, the thermal regime is expected to change in response to the higher thermal mass of the pit lake, causing the glaciated seepage to melt and resume groundwater ingress to the pit, beginning once the pit lake reaches the bottom of the talik at 40 m asl (Table 3-6). Groundwater inflows increase as the pit lake water level increases up to 120 m asl, and then begin to decrease again above this elevation as the hydraulic gradient lessens, reaching zero once the Whale Tail North Basin water level is in equilibrium with the Whale Tail South Basin.

The proportion of total groundwater inflows to the WT Pit sourced from the Whale Tail Attenuation Pond and Whale Tail South Basin also changes as the gradients shift in response to the rising pit lake water level.

**Table 3-6:**
**Predicted Whale Tail Pit groundwater inflows for Active Closure phase**

| Pit Lake Water Level (m asl) | WT-Pit GW inflow ($m^3$/day) | Proportion Sourced from Whale Tail Attenuation Pond | Proportion Sourced from Whale Tail South Basin |
|---|---|---|---|
| 150 | 140 | 35% | 65% |
| 145 | 1380 | 73% | 27% |
| 140 | 2280 | 94% | 6% |
| 130 | 3800 | 95% | 5% |
| 120 | 4310 | 94% | 6% |
| 110 | 4080 | 83% | 17% |
| 100 | 2550 | 56% | 44% |
| 90 | 1060 | 50% | 50% |
| 85 | 13 | 45% | 55% |
| 80 | 11 | 35% | 65% |
| 60 | 10 | 73% | 27% |
| 40 | 0 | 94% | 6% |

**Source:** Lorax (2024)

### 3.6.2 Waste Rock Storage Facilities

The following water balance components are tracked through the 2D models developed to predict the thermal and water balances of the WRSFs (Okane, 2022; Figure 3-6 and Figure 3-7):

- Runoff – the proportion of precipitation (*i.e.*, rainfall and snowmelt) that runs off the surface of the WRSF, with limited water: rock contact times;
- Infiltration – the proportion of meteoric water (minus runoff) that enters the landform through the surface;
- Interflow – lateral flow within the landform active layer. Ice lenses are predicted to form at the base of the active layer, limiting further infiltration into the landform, and interflow is expected to move along these ice layers and report to the toe of the landform.

- Basal Seepage – the basal layer of the WRSFs is expected to be permanently frozen from the time of material placement, therefore basal seepage is predicted to be negligible under all modelled scenarios.

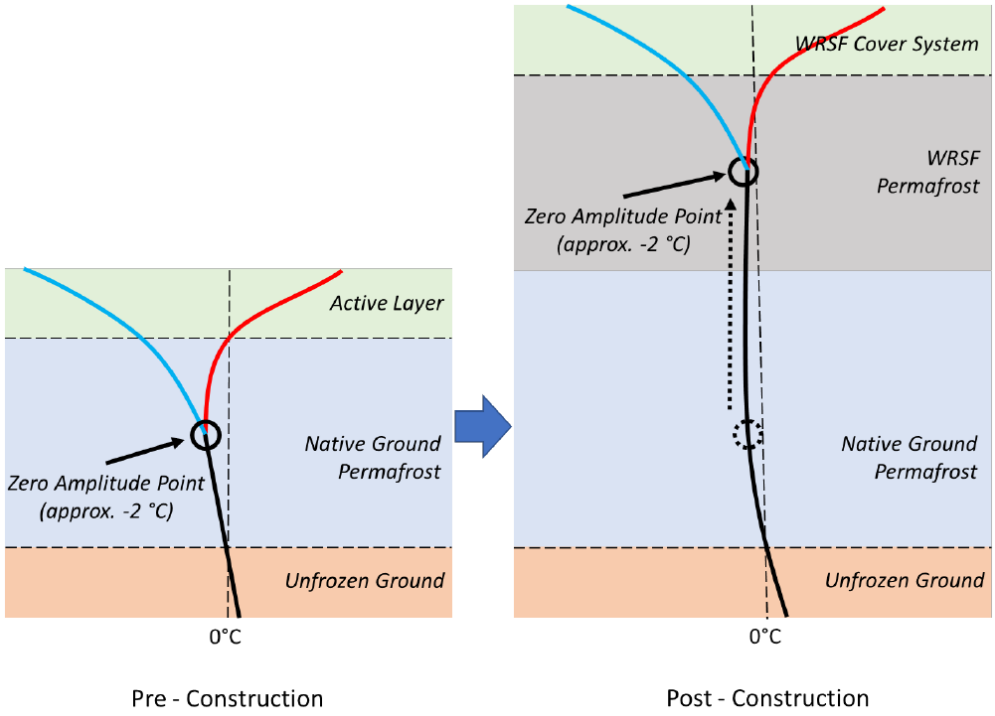



**Figure 3-6: Conceptual cross-section showing typical annual permafrost soil profile where zero amplitude point moves upward into the overlying WRSF cover (source: Agnico Eagle, 2021)**

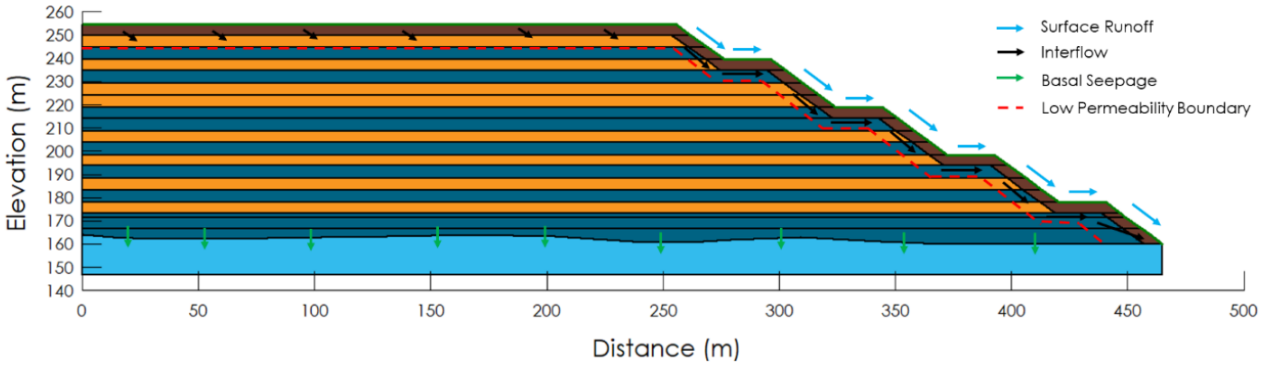



**Figure 3-7: Conceptual cross-section showing water balance of Whale Tail WRSF (source: Okane, 2022)**

Due to the coarse-textured nature of the WRSFs, these landforms are expected to have high surface infiltration capacity. High infiltration rates are expected to lead to formation of ground ice at the boundary of the active layer over time. Once this layer is established, infiltration will flow laterally along this interface within the active zone, resulting in interflow reporting to the toe of the WRSFs. The depth of this layer is influenced by the depth of the active zone, which in turn is influenced by the air temperature regime in the vicinity of the landform in question. To limit the potential for acid rock drainage from the WRSFs, a 4.7 m thick NPAG/NML waste rock cover will be placed over the Whale Tail and IVR WRSFs as a closure mitigation measure to limit thaw of potentially acid generating and metal leaching materials. Long-term (2090-2120), the average active layer depth in the WRSFs is expected to be up to 5 m under the RCP6.0 scenario (Okane, 2022).

Predicted surface runoff and interflow values were provided on a daily time-step. By convention, fluxes into these landforms have a positive sign, and fluxes out of the landform are negative. On an average annual basis over the Operations phase (2019-2025), 5% of mean annual precipitation (MAP) reports as runoff from the WRSFs, and approximately 1% reports as interflow. During the Closure phase (2026-2042) approximately 8% of MAP reports as runoff, and 5% reports as interflow (Figure 3-8).

The detailed water balance model fluxes are input to the WBWQM on a daily time-step as depths, allowing these fluxes to be scaled by landform surface area as the WRSFs are built out.

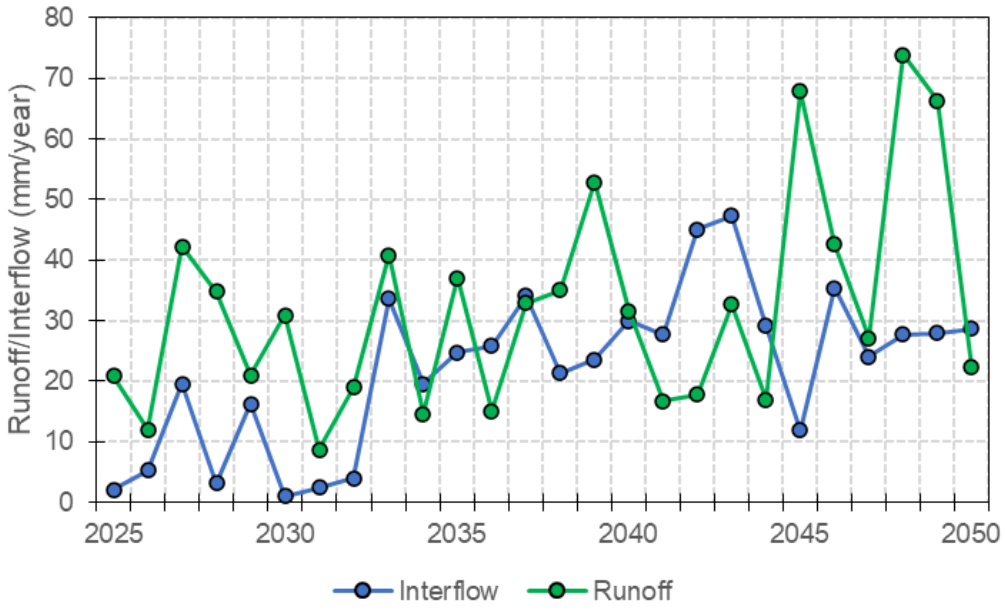



**Figure 3-8: Whale Tail WRSF annual runoff and interflow fluxes for the RCP6.0 climate scenario.**

### 3.6.3 Underground Waste Rock Storage Facilities

Underground WRSF water balances are generated using the WRSF time-series of runoff and interflow as provided by Okane (2022) and summarized in Section 3.6.1.

### 3.6.4 Ore Pads

Surface runoff from the ore pads is estimated using a runoff coefficient of 0.8 applied to the total rainfall plus snowmelt on a daily basis.

The IVR Diversion Channel routes all non-contact water from the drainage upgradient of the IVR Portal Pad, and the IVR WRSF away from the mine water collection system north toward the Nemo Lake catchment.

### 3.6.5 Underground Inflows

Dewatering of the underground is currently routed to GSP-1, with all water recycled underground for use as drilling brine. Therefore, for the purposes of model set-up and calibration, the underground dewatering system is assumed to be a closed system with no accumulating storage volume until 2025, when inflows are predicted to increase as the underground workings are advanced. This threshold is predicted to be reached in June 2026, after which time the additional water collected in this pond will be pumped to the IVR Pit for storage. Underground dewatering volumes associated with future mine development were predicted using a 3D groundwater model (Table 3-7; Lorax 2023b). The modelled groundwater inflows to the underground mine workings were reduced by 75% based on the assumption that all mine workings are effectively grouted, thus substantially reducing groundwater fluxes requiring management. This assumption is based on the noted grouting performance at the Meliadine Mine (WSP Golder 2022; Sections 4.3 and 5.3). These adjusted values are presented in Table 3-7 and are brought into the WBWQM as a steady state flux for each year.

**Table 3-7:**
**Predicted daily underground dewatering volumes for Whale Tail ELOM**

| Year | Underground Inflows ($m^3/d$) |
|---|---|
| 2022 | 2 |
| 2023 | 7 |
| 2024 | 14 |
| 2025 | 26 |
| 2026 | 23 |
| 2027 | 21 |
| 2028 | 19 |

**Source:** Lorax (2024)

## *3.7 Lake Water Balances*

All lakes are represented within the WBWQM by GoldSim pool elements. Inputs and outputs are tracked and resolved on a daily timestep, with the former consisting of surface runoff, direct incident precipitation, and pumped flows (lake dewatering and discharge from the O-WTP), and the latter consisting of outflows via lake outlets (this section), seepage through dikes (Section 4.3), and evaporation. The South Whale Tail Diversion routes outflows from Whale Tail South Basin to Kangislulik Lake, bypassing the mine site.

The water balances of the Whale Tail South Basin, Kangislulik Lake, and the A18 complex (in closure, once the A18 Sill is in place) are represented in GoldSim using pool elements, consistent with the model setup for the attenuation ponds and other downstream receiving lakes. Inflows (pumped from the O-WTP, surrounding natural catchment runoff and meteoric inputs to the lake surfaces) are tracked on a daily time-step to resolve the lake volumes. The volume-area-elevation curves for each of the three lake complexes are used as lookup functions to determine planar surface area of the water body (to calculate meteoric input and evaporation loss volumes) and lake water level elevation (Figure 3-9 to Figure 3-11).

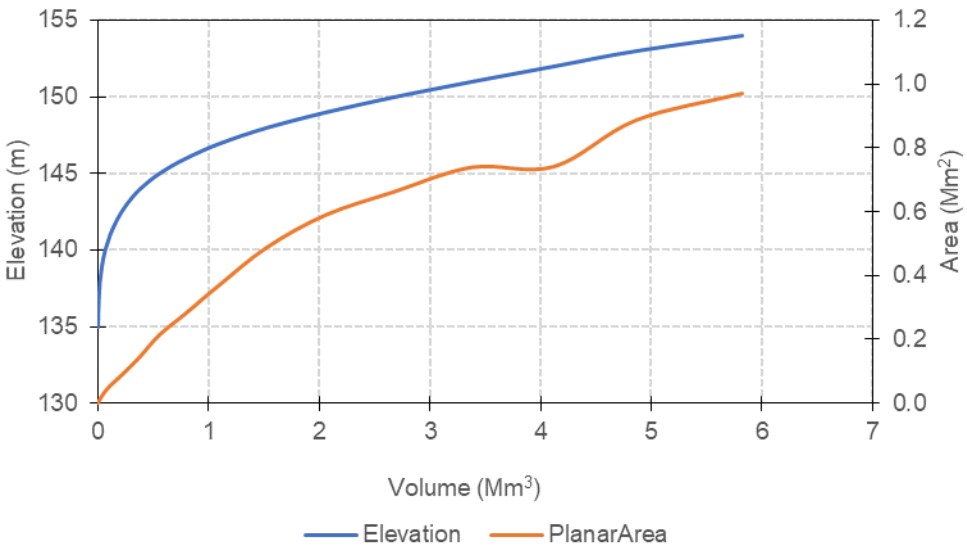



**Figure 3-9: Whale Tail South Basin volume-elevation-area curves.**

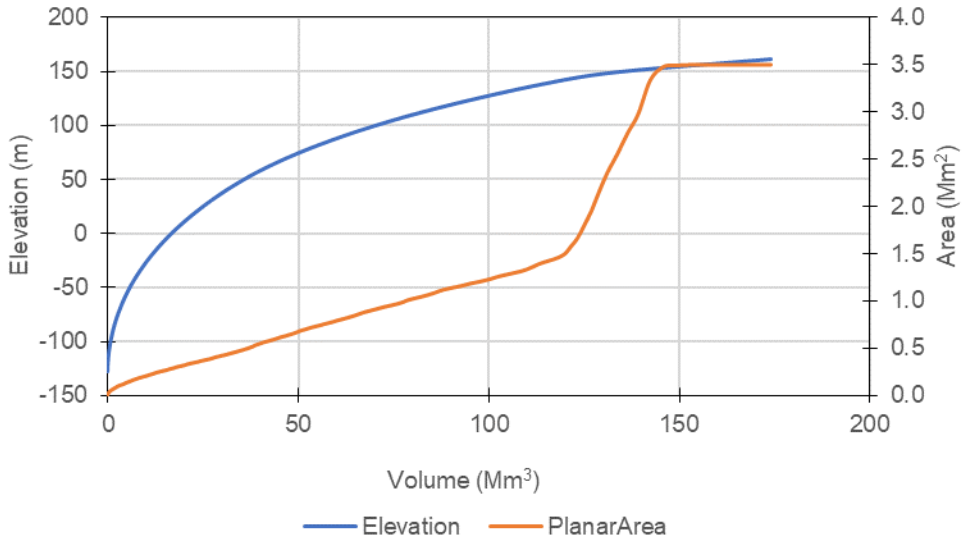



**Figure 3-10: Kangislulik Lake volume-elevation-area curves.**

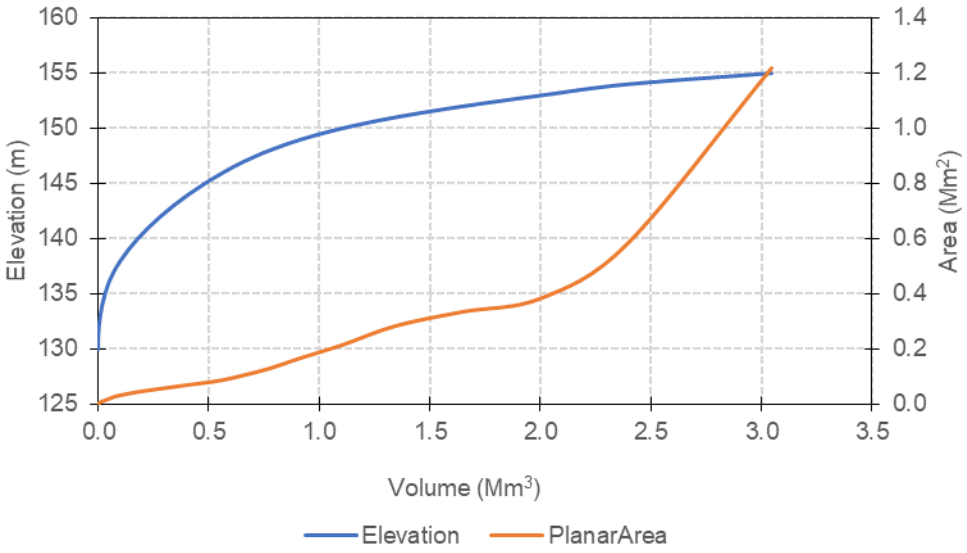



**Figure 3-11: Lake A18 complex volume-elevation-area curves.**

### 3.7.1 South Whale Tail Diversion Channel Rating Curve

All ponds and lake reservoirs associated with the Whale Tail Mine are represented within the GoldSim modelling platform by 'Pool' nodes. The water balance for each lake node is resolved on a daily basis, with the change in storage calculated as a function of inputs minus outputs. Calculated lake volumes are translated into water levels based on the volume-elevation-area curve (VEAC) for the water body in question, and in the absence of any further constraints, overflows are permitted above the 'spill' elevation. GoldSim will calculate these overflow volumes by assigning the total daily excess volume to outflows,

resulting in high magnitude daily outflows during time-steps with a strongly positive water balance. In reality however, overflow from a natural lake basin is moderated by the channel configuration, and the efficiency of flow transfers out of the lake is governed by the channel cross-sectional area, slope and bed material roughness.

Therefore, if the default overflow function is employed, the modelled lake water levels will fluctuate much more rapidly, and the outflow hydrograph will be much more peaked than would be expected in reality. To address this issue, rating curves for the two key lake outflow points (*i.e.*, South Whale Tail Diversion Channel and the Lake A18 Sill) governed by built structures were developed based on the as built and feasibility level designs for each structure, respectively.

During Operations, outflows from the South Whale Tail Lake Basin are diverted from their pre-mining flow path by the South Whale Tail Diversion Channel, which reports to Kangislulik Lake (Figure 3-12 and Figure 2-2). This diversion channel was constructed between January and April 2020, and commissioned for the 2020 freshet. The detailed design for this channel, and the inlet cross-section, slope and bed materials are provided in SNC-Lavalin (2020; Table 3-8). A Manning's *n* roughness coefficient of 0.038 was estimated based on the diameter of rip rap (100-300 mm) used to line the Channel.

Lake outflows from the Whale Tail South Basin are routed through the Whale Tail South Diversion Channel until 2029, when it is decommissioned, once mining is complete to restore pre-mining flow routing through the Whale Tail South Basin into Kangislulik Lake.

Diversion channel flow rates are based on a hydraulic relationship between water level in Whale Tail South Basin, the channel characteristics as presented in the design report (SNC-Lavalin, 2020; Table 3-8; Figure 3-12). The channel characteristics were input into the open channel flow equation for a trapezoidal channel cross-section to derive discharge estimates for lake water elevations in 0.1 m increments (Table 3-9). This rating curve was brought into the model to calculate lake outflows as a function of water level on a daily basis.

**Table 3-8:**
**South Whale Tail Diversion Channel Design Hydraulic Characteristics**

| Parameter | Value | Units |
|---|---|---|
| Channel Slope | 0.3 | % |
| Invert Elevation | 155.3 | masl |
| Manning's *n* | 0.038 | Dimensionless |
| Width (base) | 5 | m |
| Slope | 3H:1V | Dimensionless |
| Max water level | 1.1 | m |

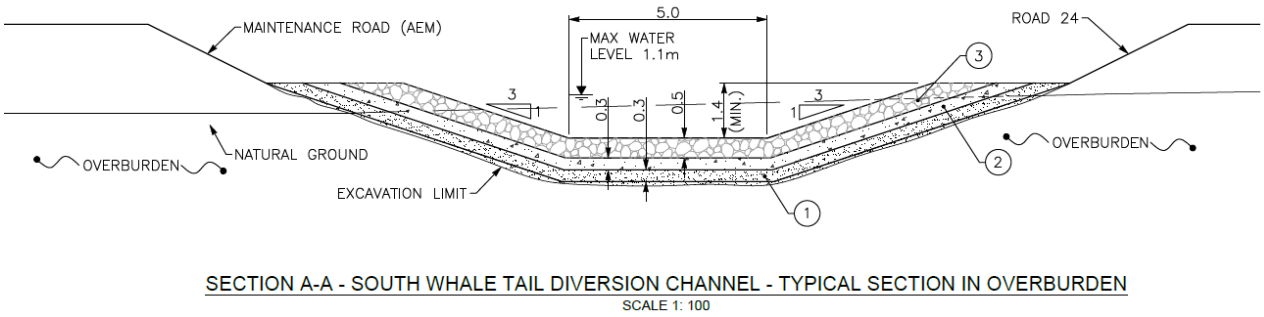



**Figure 3-12: Conceptual South Whale Tail Diversion Channel cross-sections (Source: SNC-Lavalin, 2020)**

The values in Table 3-8 were entered into the Manning's equation to derive estimated flow rates over a range of water elevations corresponding to a 1.1 m range in inlet water depths. This allowed a rating curve for the SWTDC inlet invert to be derived and applied within the WBWQM to govern outflows from the South Whale Tail Basin to Kangislulik Lake during the Operations phase (Figure 3-13; Table 3-9).

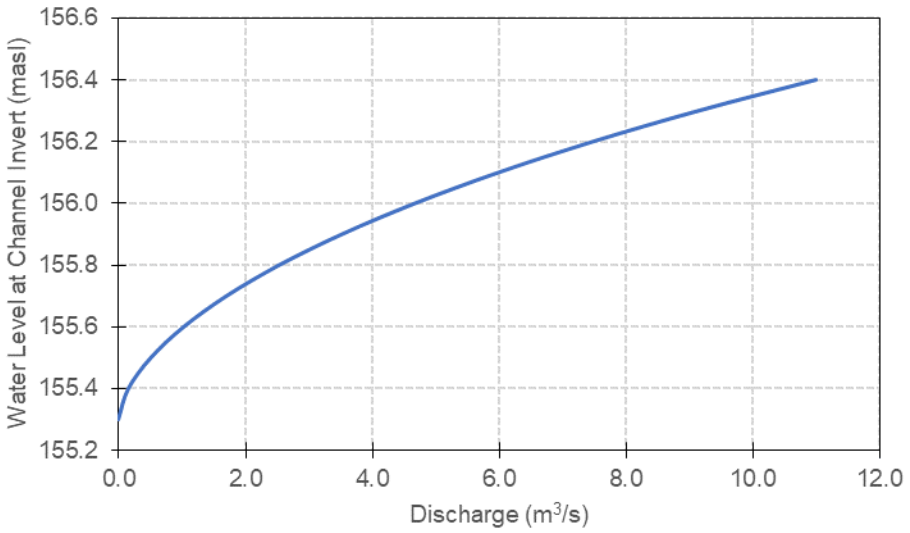



**Figure 3-13: Derived rating curve for the South Whale Tail Diversion Channel inlet.**

**Table 3-9:**
**Relationship between South Whale Tail Basin Water Level and Flow through the South Whale Tail Diversion Channel Inlet**

| Water Elevation (masl) | Discharge ($m^3/s$) |
|---|---|
| 155.3 | 0.000 |
| 155.4 | 0.158 |
| 155.5 | 0.512 |
| 155.6 | 1.030 |
| 155.7 | 1.705 |
| 155.8 | 2.535 |
| 155.9 | 3.524 |
| 156.0 | 4.675 |
| 156.1 | 5.992 |
| 156.2 | 7.481 |
| 156.3 | 9.146 |
| 156.4 | 10.994 |

### 3.7.2 A18 Sill Rating Curves

During the Post-Closure phase, fish habitat will be enhanced by installing a sill between Lake A18 and the Whale Tail South Basin to raise the water level, to an annual average of 155.3 m upstream of the sill. The Lake A18 Sill design is presented in Appendix G of Golder (2019c) of the *Whale Tail Expansion Fish Habitat Offsetting Plan* (ERM, 2020; Figure 3-14).

A range of predicted design flow values for the A18 Sill invert was calculated based on the water level in Lake A18 associated with a range of streamflow recurrence intervals (Golder, 2019c; Table 3-10). These values allow a rating curve for the Sill invert to be derived and applied within the WBWQM to govern outflows from the flooded Lake A18 complex during the Post-Closure phase (Figure 3-15; see Section 3.9 for more details).

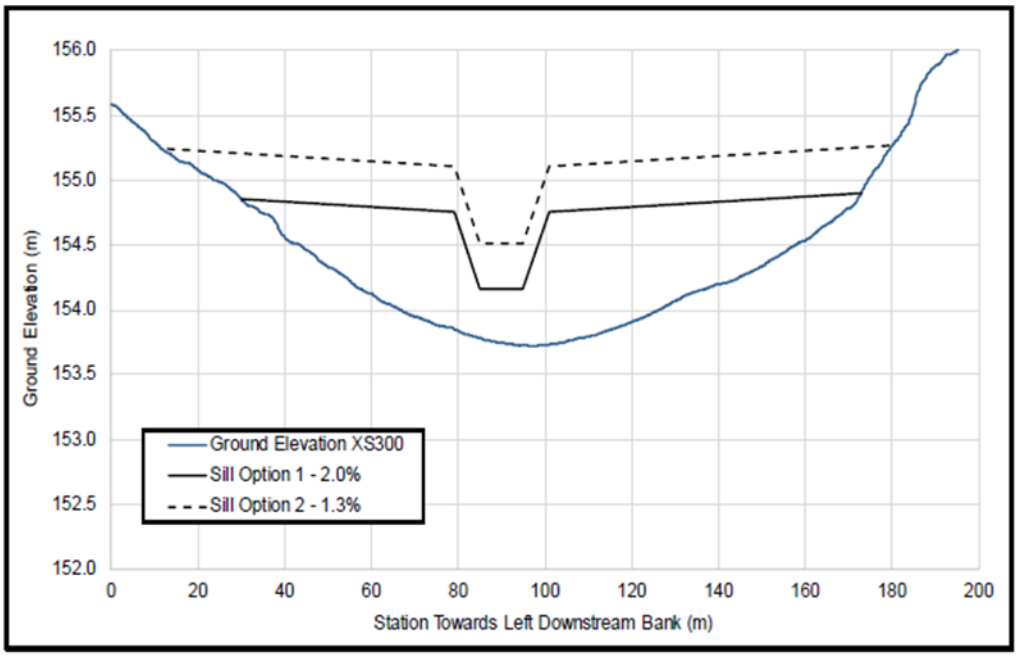



**Figure 4: Typical Existing Channel Bed and Conceptual Sill Cross-Sections (Vertical Exaggeration 30:1)**

**Figure 3-14: Conceptual A18 Sill cross-sections (Source: Golder, 2019c).**

**Table 3-10:**
**Relationship between Lake A18 Water Level and Flow through the A18 Sill (based on Sill Option #2)**

| A18 Water Level Elevation (masl) | Stage (m) | Discharge ($m^3/s$) |
|---|---|---|
| 154.99 | 0.49 | 5.201 |
| 154.92 | 0.42 | 3.759 |
| 154.84 | 0.34 | 2.439 |
| 154.77 | 0.27 | 1.474 |
| 154.76 | 0.26 | 1.38 |
| 154.71 | 0.21 | 0.88 |
| 154.57 | 0.07 | 0.075 |
| 154.56 | 0.06 | 0.065 |
| 154.56 | 0.06 | 0.054 |
| 154.54 | 0.04 | 0.03 |
| 154.54 | 0.04 | 0.02 |
| 154.53 | 0.03 | 0.01 |
| 154.50 | 0.00 | 0.00 |

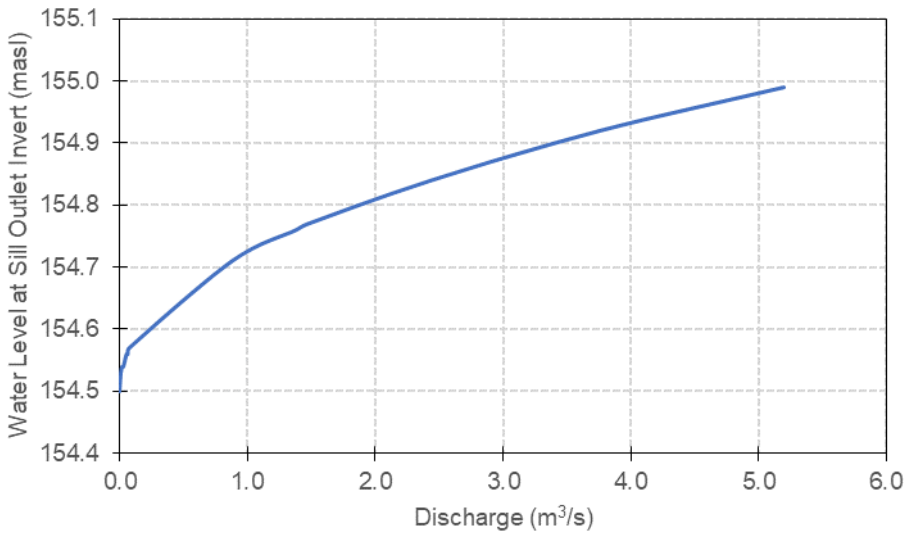



**Figure 3-15: Derived rating curve for the A18 Sill outlet.**

## *3.8 Watershed Model Calibration*

Calibration of the watershed model was conducted in two stages:

- To regional streamflow records collected by the Water Survey of Canada in representative small catchments; and,
- To measured water balance data from site collection ponds (water levels and volumes) over the 2020-2022 early Operations period.

### 3.8.1 Regional Streamflow Calibration

The majority of flow data collected around the Mine site reflects pumped transfers between collection ponds, with the runoff response from undisturbed areas contributing relatively lower flow volumes to the mine water collection system. Given the paucity of open channel flow data in the Mine area, the watershed model described in Section 3.3 was calibrated to streamflow data collected in a small, lake dominated catchment located approximately 80 km north of the Mine site. The majority of hydrometric records for the region represent large basins (> 1,000 km$^2$), which present a different streamflow response than would be expected of the small, lake dominated catchments of interest at the Mine site. However, three seasonal hydrometric stations located on small (< 1 km$^2$) catchments were operated by the Water Survey of Canada (WSC) from 1978-1981 in the vicinity of Saqvaqjuac Inlet, located north of the entrance to Chesterfield Inlet (Table 3-11; Figure 3-16). The limited records available for these stations are reflective of the expected runoff response from undisturbed catchments in the Mine area. These streamflow records are complimented by

the long-term climate record from the Chesterfield station (2300700) operated by Environment Canada.

**Table 3-11:**
**Representative Regional Hydrometric Stations**

| Station ID | Station Name | Latitude (°) | Longitude (°) | Area ($km^2$) | Record Period |
|---|---|---|---|---|---|
| 06OA002 | Meadow Creek above Saqvaqjuac Inlet | 63°38'45" | 90°42'10" | 0.16 | 1978 – 1981 |
| 06OA003 | Far Creek at Far Lake Outlet | 63°41'40" | 90°40'30" | 0.21 | 1978 – 1981 |
| 06OA004 | P/N Lake Outlet | 63°39'55" | 90°40'00" | 0.36 | 1978 – 1981 |

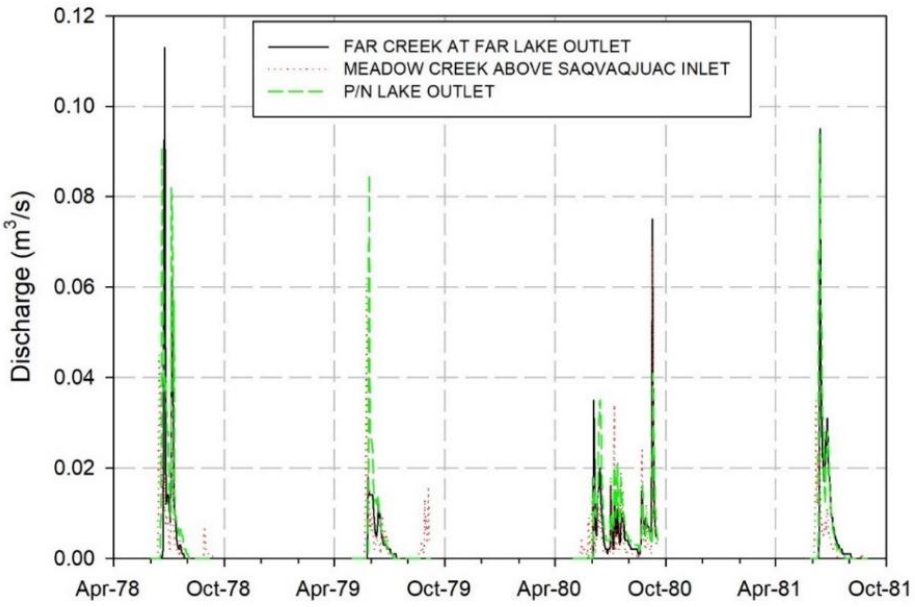



**Figure 3-16: Regional streamflow data used to inform watershed model calibration.**

The runoff response is consistent across all three catchments, with a strong and rapid freshet signature, followed by a rapid recession to low flows, punctuated by periodic rainfall driven runoff events. Zero-flow conditions persist from late-September through to mid-May. Given the strong consistency between stations, the Meadow Creek above Saqvaqjuac Inlet station (06OA002; 0.16 $km^2$) was selected as the calibration target for the watershed model.

Calibration of the watershed model focused on replicating the timing and magnitude of peak flows in response to snowmelt and rainfall, as well as the shape of the draindown curve following these events, and the transition to zero surface flow conditions during the winter months. Model skill was evaluated by visual means, including streamflow time-series matching (Figure 3-17) and flow duration curves showing the probability of

exceedance for a given flow value (Figure 3-18). This process was complicated by uncertain basin areas provided by the Water Survey of Canada, so for this stage of the calibration, the focus was placed on replicating the general regional discharge pattern. The tuned parameter set (Table 3-12) is reflective of the limited storage available in the active layer, and the rapid runoff response to snowmelt and rainfall that results. On an annual water year basis, the effective runoff coefficient (runoff depth/precipitation) averages 0.50, however this value ranges between 0.30 to 0.75 in response to the meteoric forcing.

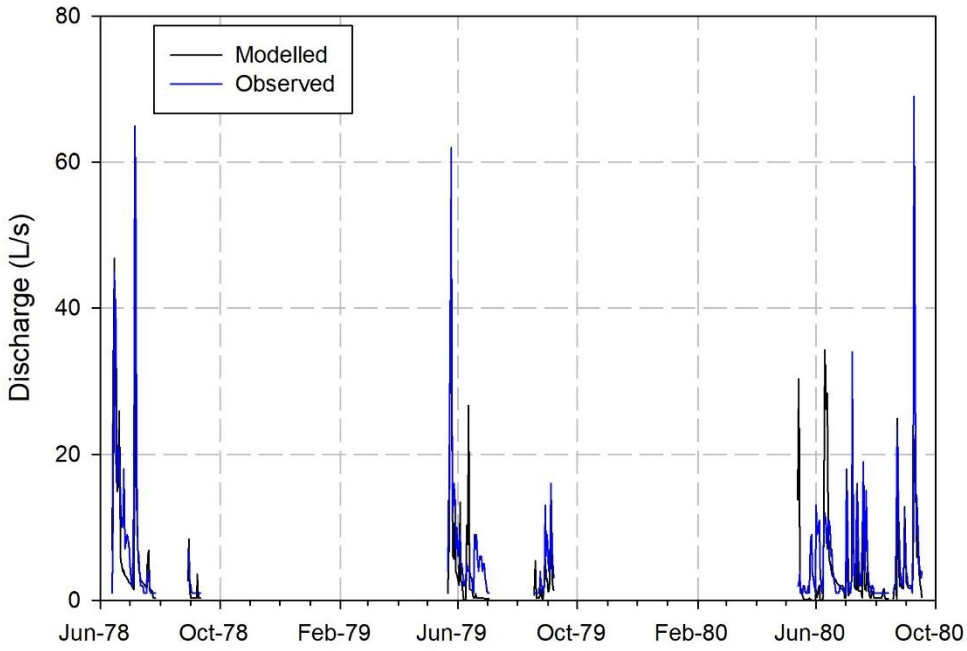



**Figure 3-17: Modelled and measured streamflow at the Meadow Creek above Saqvaqjuac Inlet station (06OA002).**

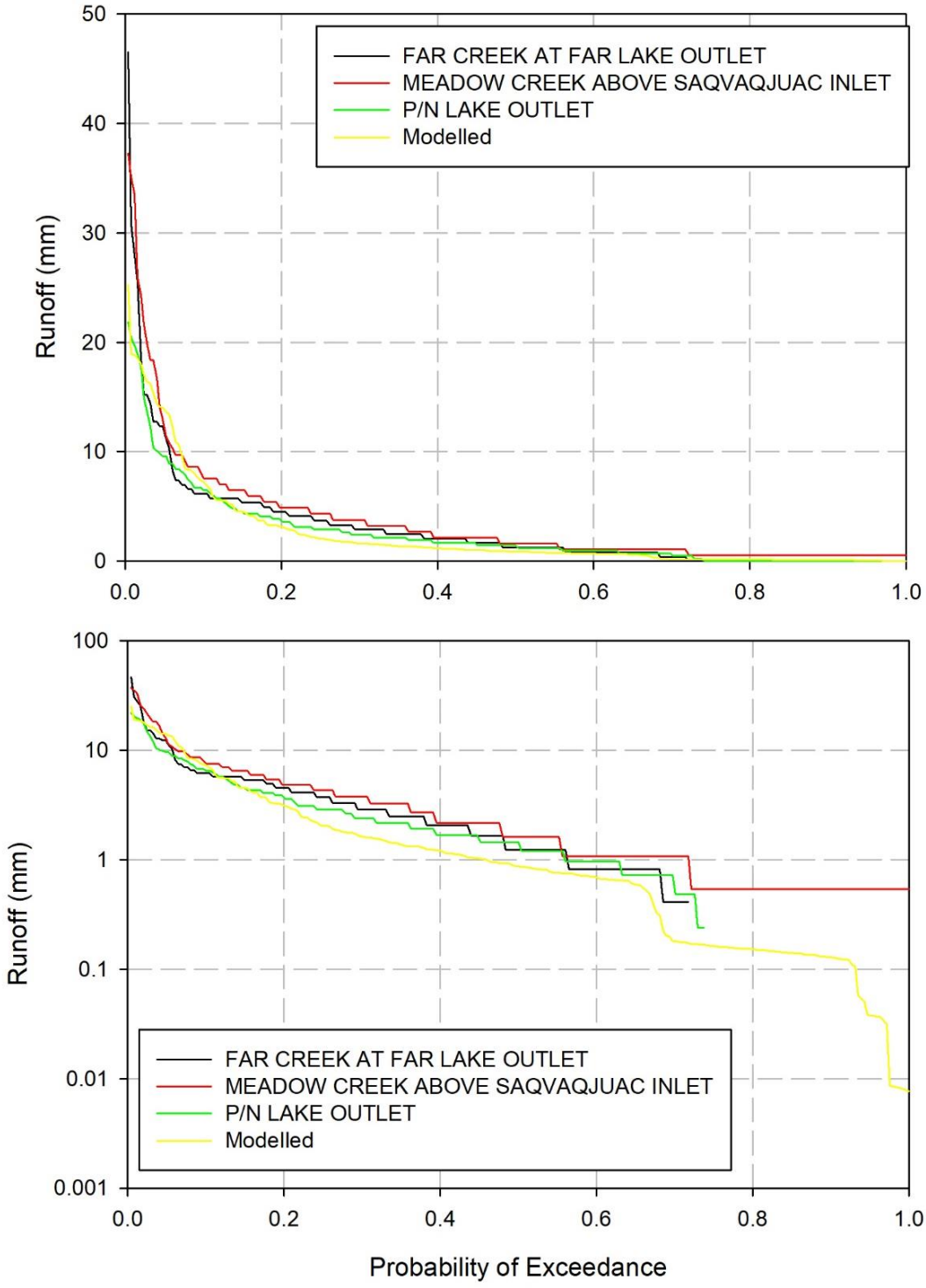



**Figure 3-18: Modelled and measured regional runoff flow duration curves shown with linear (top) and logarithmic y-axis (bottom).**

**Table 3-12:**
**Watershed Model Calibrated Parameter Set**

| Bucket | Depth (mm) | Discharge ($day^{-1}$) | Percolation (to next deepest bucket) ($day^{-1}$) |
|---|---|---|---|
| Surface | 1 | 0.46 | 50% |
| Middle | 5 | 0.10 | 20% |
| Deep | 9 | 0.07 | - |

### 3.8.2 Calibration to Collection Pond and Lake Water Balances

The second stage of the water balance model calibration focused on replicating the measured Whale Tail WRSF Collection Pond, Whale Tail Attenuation Pond and IVR Attenuation Pond water balances over the early Operations period of 2020-2022. As noted in Section 3.4, the early operation was characterized by large variability in annual precipitation, allowing the model to be calibrated to a wide range of water balance conditions over a short period.

Inputs to the calibration model included:

- Daily climate (min, mean and max daily air temperature and precipitation) scaled from the Baker Lake climate station (Okane, 2022);
- Incorporation of operational contact water routing, including pump rates, into the WBM (Table 3-10);
- Catchment and/or landform specific target runoff coefficients (Table 3-13);
- Annual sub-catchment delineations (Figure 3-19 and Figure 3-20);
- Calibrated watershed model described in Section 3.8.1;
- Measured water quality for key parameters (described in Section 4.4); and,
- Measured monthly underground dewatering volumes (Table 3-7).

Of the two calibration years, 2020 water year precipitation (363 mm) was slightly higher than the long-term median (349 mm), while 2021 precipitation was slightly lower (344 mm).

Pond volume measurements were provided by Agnico Eagle and were calculated from surveyed water levels and the pond specific storage-elevation curves. Pump rates between ponds (and to treatment plants) were also provided by Agnico Eagle, providing a control on inflows and outflows for each pond.

**Table 3-13:**
**Land Surface Types, Representative Runoff Type and Target Runoff Coefficients**

| Land Cover Type | Surface Runoff | Interflow | Baseflow | Target Runoff Coefficient |
|---|---|---|---|---|
| Disturbed[1] | x | x | X | 0.50 |
| Hard Surface (Ore Pads, Laydowns)[1] | x | | | 0.80 |
| Natural[1] | x | x | X | 0.50 |
| Open Water | x | | | 1.0, minus evaporation |
| Waste Rock Storage Facilities[2] | x | | | 0.10 – 0.20 |
| Open Pit Walls[3] | x | | | 0.40 |

**Notes:**
[1]Average runoff coefficient provided, effective annual coefficients vary according to climate forcings. Natural watershed model outputs are scaled to represent disturbed area runoff.
[2]Upper bound of predicted values (90$^{th}$ percentile), reflective of years where runoff or interflow predicted to occur (mode is zero). Volumes of contact water reporting from the WRSFs are predicted to increase over time in response to projected climate change.
[3]Constant runoff coefficient of 0.40 is assumed for both pits beginning in 2023.

The Whale Tail Attenuation Pond was the primary surface contact water collection pond in 2020, and thus integrated all surface contact water managed at site, while the IVR Attenuation Pond was the primary surface contact water pond in 2021 and 2022 (Table 3-14). Accordingly, the calibration focused primarily on first replicating the pond water balances over the calibration period, and secondarily on reproducing water quality concentrations for each pond (see Section 4.4). An initial QA/QC analysis was conducted to assess the degree to which site monitoring data were internally consistent. Specifically, the pumped inflows and outflows for the two Attenuation Ponds were compared to the total effluent volumes discharged to Kangislulik Lake and the Whale Tail South Basin (Table 3-14). Overall, the discrepancies between the sum of Attenuation Pond inputs and treated effluent discharge volumes are reasonable, given the additional variability introduced by evaporative losses from, and precipitation/snowmelt inputs to pond surfaces, and measurement error.

**Table 3-14:**
**Pumped Inflow and Outflow Reconciliation for Whale Tail and IVR Attenuation Ponds (all values in m$^3$)**

| Year | Whale Tail Attenuation Pond | IVR Attenuation Pond | Kangislulik Lake | Whale Tail South Basin | Sum Effluent Discharges | % Difference |
|---|---|---|---|---|---|---|
| | Inputs | Inputs | Inputs | Inputs | | |
| 2020 | 3,286,138 | 0 | 1,739,094 | 2,179,117 | 3,918,212 | -16% |
| 2021 | 2,061,527 | 1,268,913* | 1,457,689 | 1,258,667 | 2,716,384 | -1% |
| 2022 | 1,735,703 | 2,364,648 | 1,282,941 | 705,135 | 1,988,076 | 19% |
| 2023 | 1,966,659 | 1,994,648 | 1,144,316 | 944,496 | 2,088,812 | -5% |

**Note:**
*632,000 m$^3$ was pumped from Whale Tail Attenuation Pond to IVR Attenuation Pond in 2021, and all water in the Whale Tail Attenuation Pond was pumped to the IVR Attenuation Pond in 2022. In 2023, 84% of the IVR Attenuation Pond inflows were pumped from the Whale Tail Attenuation Pond.

602000 604000 606000 608000 610000

7256000

7254000

N

NEMO-LAKE-NATURAL
NEMO-LAKE-WATER
NEMO LAKE
IVR-DIVERSION-NATURAL
US-IVRPIT-NATURAL
NE-DIKE
WT-WRSF-DIKE
WHALE TAIL WRSF
GSP-1 (BRINE)
EXP-WRPAD
IVR-DIKE-NATURAL
US-WTPIT-NATURAL
FUEL FACILITIES
IVR-ATTENPOND
WT-WRSF-POND
WRSF-POND-DIKE
OSP-4
OSP-1
OSP-2
WT-PIT
WT-ATTENPOND
WT-CAMP
KANGISLULIK-DSDIKE-WATER
KANGISLULIK-DIKE-NATURAL
TEMP-NPAG-WRSF
KANGISLULIK LAKE
WT-USDIKE-NATURAL
WHALE TAIL SOUTH BASIN
KANGISLULIK-DSDIKE-NATURAL
WT-USDIKE-WATER

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 24, 2023 |
| **DRAWN BY:** | GM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2022Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **WT Mine Modification WBWQM Report**

TITLE: Whale Tail Modification Annual Layout - 2020

PROJECT #: A634-5

FIGURE: 3-19

P:\@Drafting\Meadowbank\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts_Lorax_2023\Modification\with Catchments\2020_WBM.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

NEMO-LAKE-WATER

NEMO LAKE

IVR-DIVERSION-NATURAL

US-IVRPIT-NATURAL

IVR-PIT

IVR-WRSF-DIKE

IVR WRSF

IVR-WRSF-IVRPIT

WT-WRSF-DIKE

WHALE TAIL WRSF

GSP-1 BRINE

EXP-WRPAD

IVR-DIKE-NATURAL

US-WTPIT-NATURAL

FUEL-FACILITIES

IVR-ATTENPOND

WT-WRSF-POND

WRSF-POND-DIKE

OSP-4

OSP-1

OSP-2

WT-PIT

ATV-FUEL FARM 16x50,000L

WT-ATTEN-POND

WT-DIKE-NATURAL

WT-CAMP

KANGISLULIK-DSDIKE-WATER

KANGISLULIK-DIKE-NATURAL

WT-DIKE-LAKEBED

TEMP-NPAG-WRSF

WT-DIKE-NATURAL

KANGISLULIK LAKE

WT-USDIKE-NATURAL

WHALE TAIL SOUTH BASIN

KANGISLULIK-DSDIKE-NATURAL

WT-USDIKE-WATER

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Apr 28, 2023 |
| **DRAWN BY:** | GM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2022Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **WT Mine Modification WBWQM Report**

TITLE: Whale Tail Modification Annual Layout - 2021

PROJECT #: A634-5

FIGURE: 3-20

P:\@Drafting\Meadowbank\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts_Lorax_2023\Modification\with Catchments\2021_WBM.dwg

In general, the calibrated water balance model replicates measured pond volumes well, accurately tracking the monthly inflows due to pumped inputs, freshet and rainfall generated runoff. Modelled inflows to the Whale Tail WRSF Collection Pond track the measured volumes quite closely in 2020, with the exception of June (underpredicted), and are notably higher during May and June of 2021 and 2022 (Figure 3-21). Inflows to the Whale Tail Attenuation Pond are replicated very well by the model, although June inflows are slightly overpredicted in 2020 and 2021, and in September of 2022 (Figure 3-22). A similar pattern is evident for the IVR Attenuation Pond, with June inflows (and the majority of 2022) slightly overpredicted by the model, relative to measured data (Figure 3-23).

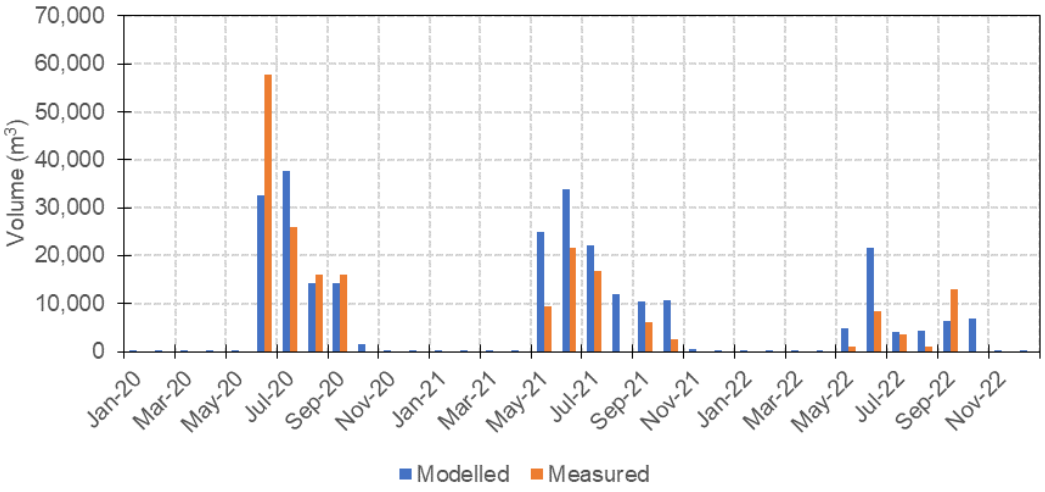



**Figure 3-21: Measured (orange) and modelled (blue) monthly Whale Tail WRSF Pond inflows.**

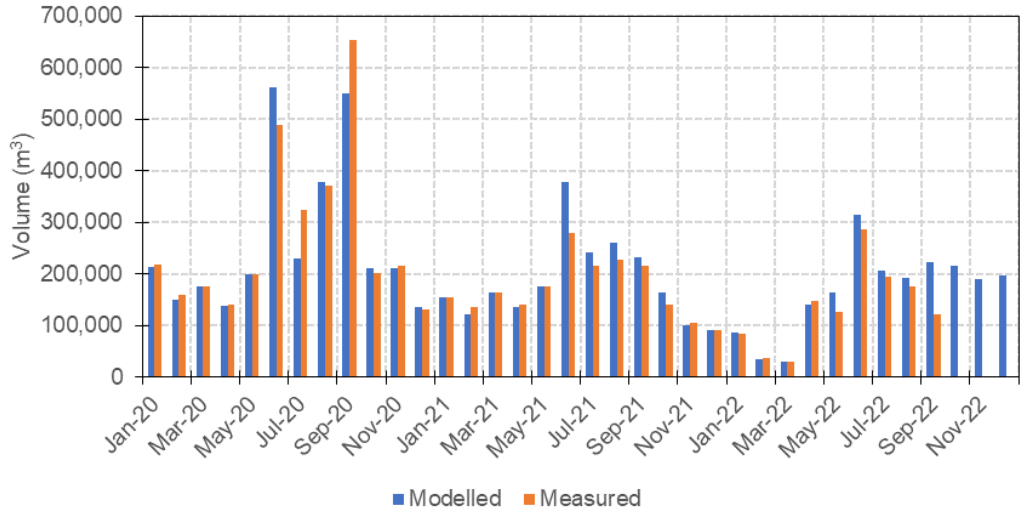



**Figure 3-22: Measured (orange) and modelled (blue) monthly Whale Tail Attenuation Pond inflows.**

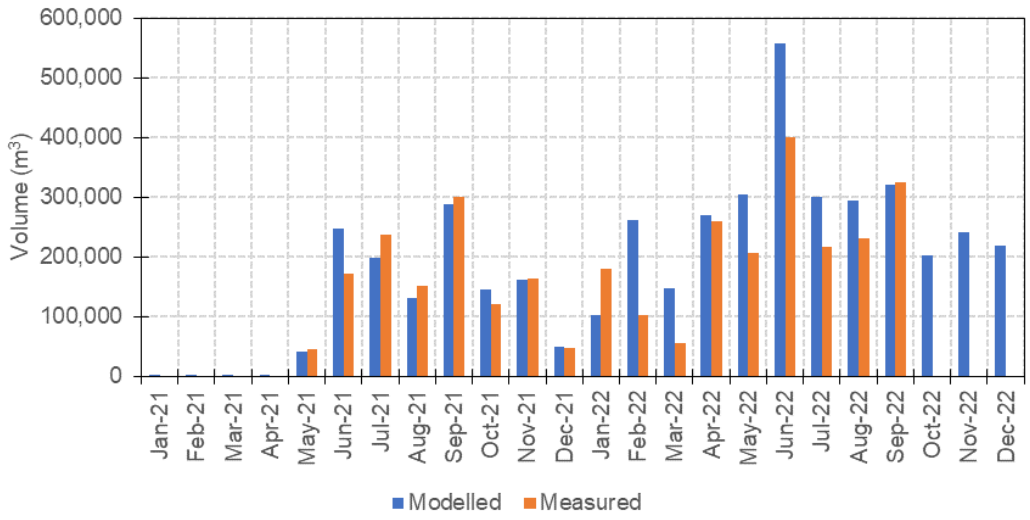



**Figure 3-23: Measured (orange) and modelled (blue) IVR Attenuation Pond inflows.**

Modelled water levels also track the measured data quite closely in the Whale Tail (Figure 3-24) and IVR (Figure 3-25) Attenuation Ponds, noting that the measured water levels display greater variability than the model predictions. Similarly, the measured Whale Tail South Basin (Figure 3-26) and Kangislulik Lake water levels are replicated well by the model, noting the upper water level limit of 152.5 m imposed within the model (Figure 3-27).

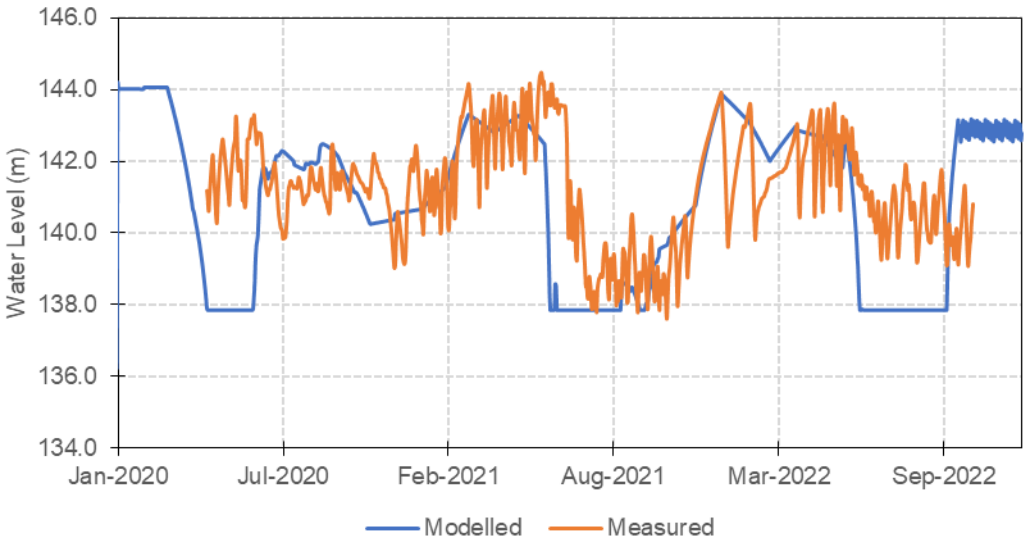



**Figure 3-24: Measured (orange) and modelled (blue) Whale Tail Attenuation Pond water levels.**

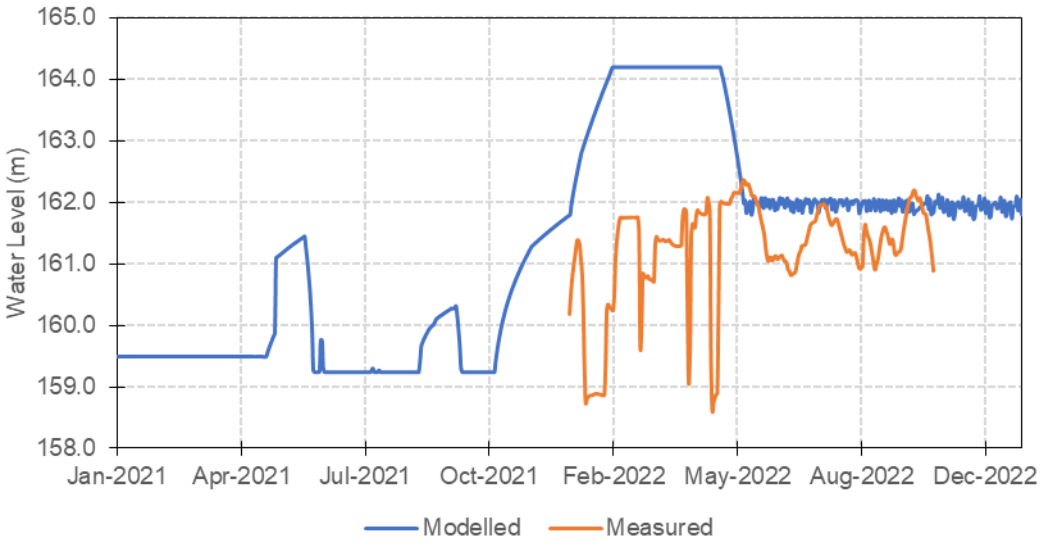



**Figure 3-25: Measured (orange) and modelled (blue) IVR Attenuation Pond water levels.**

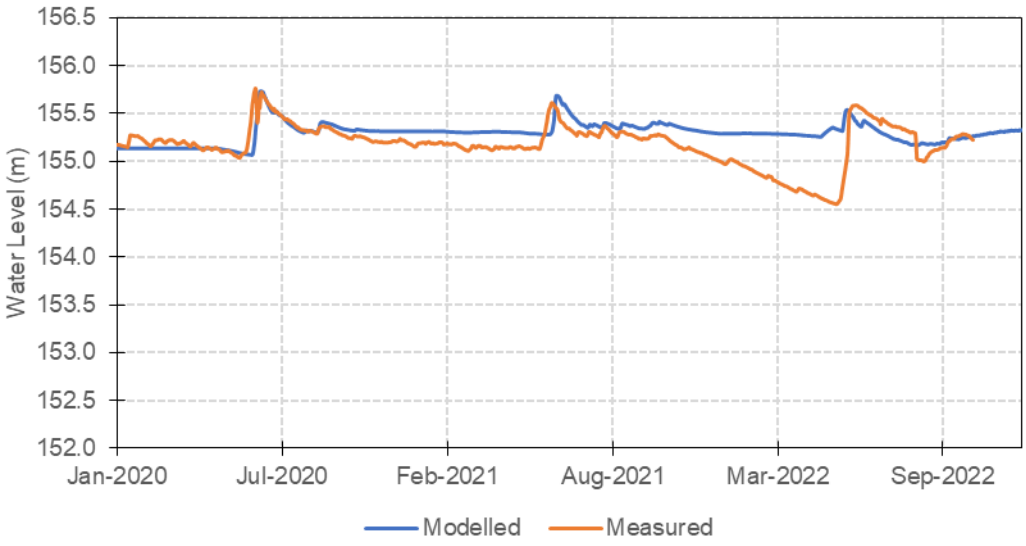



**Figure 3-26: Measured (orange) and modelled (blue) Whale Tail South Basin water levels and outflows.**

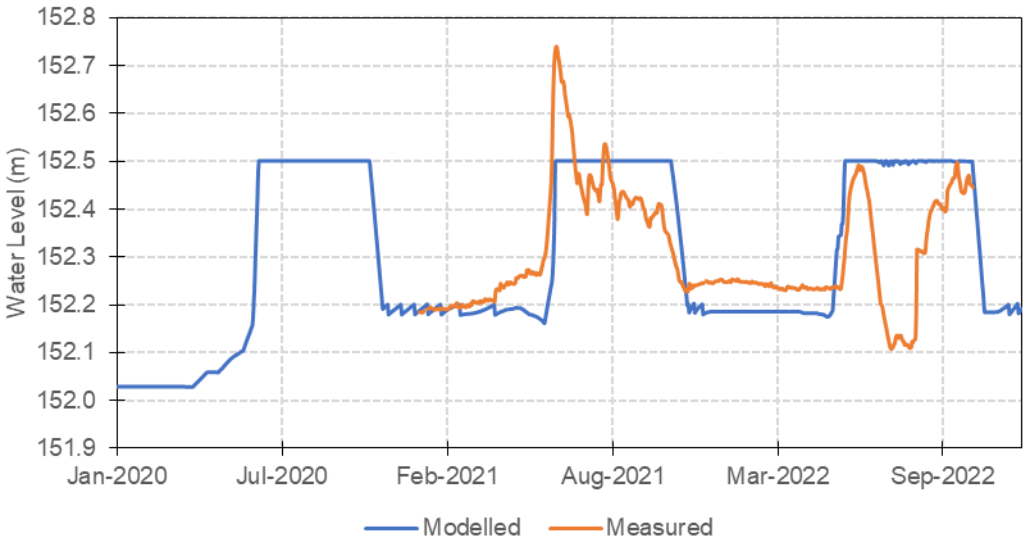



**Figure 3-27: Measured (orange) and modelled (blue) Kangislulik Lake water levels and outflows.**

## 3.9 Closure and Post-Closure Assumptions

The Active Closure phase begins in July 2028, immediately following the cessation of mining operations. The Active Closure phase is defined by the period of time required to fill the Whale Tail North Basin to its final Post-Closure target water level of 153.5 m (Figure 3-30), which takes approximately 17 years.

The Post-Closure phase begins in July 2046, and represents the long-term equilibrium condition once the A18 Lake complex, Whale Tail South Basin and Whale Tail North Basin have reached their target water levels.

Specific activities associated with the Active Closure phase include:

- Groundwater collected in GSP-1 and the IVR Pit is pumped into underground mine void, at a maximum rate of 500 and 2,000 $m^3$/hour, respectively.

  The A47 and A49 Sumps are assumed to report passively to the IVR Pit;

- Active water treatment continues in June to September each year at a maximum rate of 1,300 $m^3$/hour for an additional six years (2028-2033; Figure 3-28);

  - Contact water is pumped from the IVR Attenuation Pond, treated and discharged into the IVR Pit;

  - 65% of pit wall runoff from the IVR Pit (once groundwater is pumped underground) and Whale Tail Pit, plus 65% of the groundwater inflows to

Whale Tail Pit is assumed to be captured by collection ditches along the pit benches, and pumped to the IVR Attenuation Pond;

- Overflows from the Whale Tail Attenuation Ponds are assumed to bypass these pit wall collection ditches and are routed to the bottom of Whale Tail Pit.

- Construction of a sill (A18 Sill) between Lake A18 and Whale Tail South Basin to raise the water level to 155.3 m as part of the approved fish habitat offset plan (ERM, 2020; Agnico Eagle, 2020b). This is completed in 2029, once the water level in Whale Tail South Basin drops below 154 m due to active pumping to the mine voids.
  - Discharge through the A18 Sill is governed by the spill notch invert configuration, as described in Section 3.7.2.
- Completion of reclamation activities for all disturbed areas (including completion of the NPAG/NML WRSF covers, and backfill of the IVR Pit Pushbacks, GSP-1 and IVR Attenuation Pond) by the end of the third year of Active Closure (2031).
  - Backfilled voids are assumed to have a porosity of 30%.
- Active pumping from Whale Tail South Basin and Whale Tail WRSF Collection Pond to fill the mine voids, according to the following priority sequence:
  - Underground mine;
  - IVR Pit;
  - Whale Tail Pit and Whale Tail Pit pushback; and,
  - Whale Tail North Basin.

Water from the Whale Tail South Basin is pumped into the remaining mine voids, at a maximum rate of 2,800 $m^3$/hour in the second half of 2028, and 1,600 $m^3$/hour over the remaining 17 years. This pit flooding program will be active during the open water season only, assumed to span June 1 to September 30 of each year. Per the 2021 Water Management Plan, an additional 161,000 $m^3$ (55 $m^3$/hour) is pumped from Whale Tail South Basin during the same annual pumping window to the mine voids to meet the target of restoring the Whale Tail North Basin water level to 153.5 m by September 2049. This results in a total pumping volume of 4.6 $Mm^3$ in 2028 and 2.1 to 4.1 $Mm^3$/year for the remainder of the Active Closure phase (2029 to 2046). To promote pit flooding, all contact water from the mine site is directed, either actively (*e,g.*, pumping from the Whale Tail WRSF Collection Pond) or passively, to the open pit voids. The underground mine, Whale Tail Pit and IVR Pit are not hydraulically connected below their respective spill point elevations and are assumed to form separate reservoirs within the model. Once the Whale

Tail Pit and IVR Pit are full to the sill elevation, they conjoin into the Whale Tail /IVR Complex.

The west lobe of the IVR Pit spills into the east lobe at 102 m, and IVR Pit as a whole spills into the Whale Tail Pushback at 123 m, which in turn spills into the Whale Tail Pit at 117 m. The two lobes of the IVR Pushback will not join with the larger IVR Pit once full but will spill into the IVR Pit at 161.5 m (Figure 3-28).

Seepage through the Whale Tail Dike is expected to continue, according to the gradient between water levels in Whale Tail South Basin and the Whale Tail Attenuation Pond, presented in Figure 3-31. Once full, the Whale Tail Attenuation Pond overflows to the Whale Tail Pit.

Once the Whale Tail North and South Basins have stabilized at their target elevations, and water quality within these reservoirs meets SSWQOs, the Whale Tail Dike will be breached to elevation 153.5 m and the Whale Tail WRSF Pond Dike will be breached to allow flows from the covered Whale Tail WRSF to report passively to Whale Tail North Basin. The site is assumed to have achieved the Closure and Reclamation targets at this point (approximately 2047). Further detail on reclamation activities and closure phase water management is provided in Agnico Eagle (2020b; 2022), respectively.

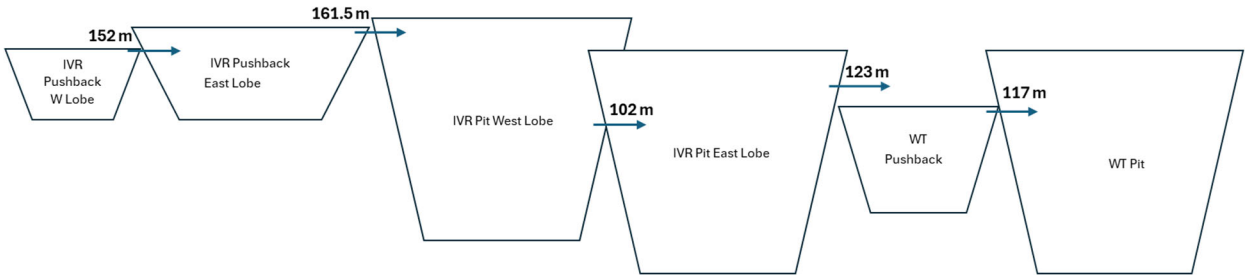
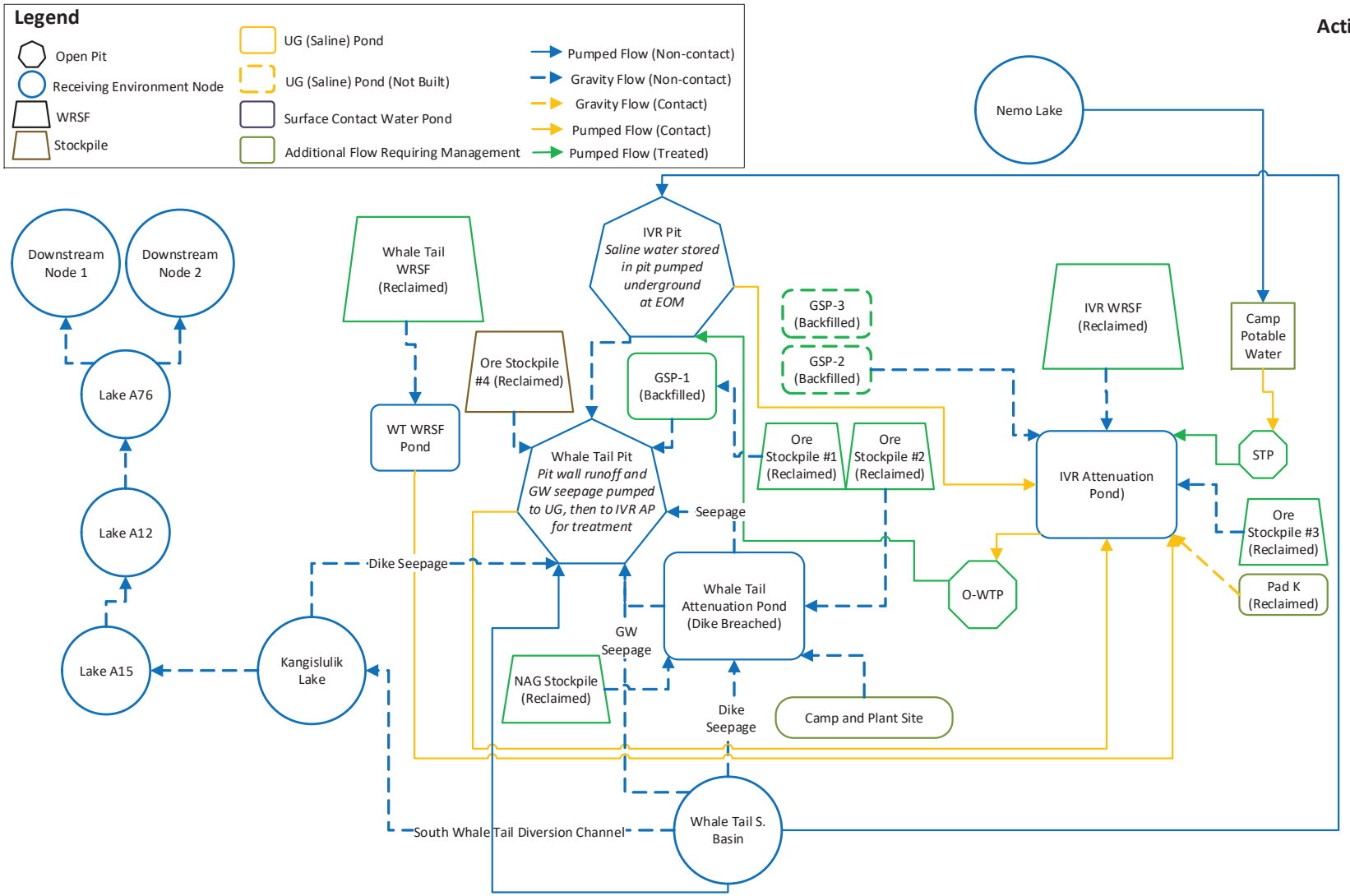



**Figure 3-28: Open pit spill point elevations.**




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM
WBWQM Flow Diagram (Active Closure)

PROJECT #: A634-5

FIGURE: 3-29

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-6_Active Closure.mxd

602000 604000 606000 608000 610000

7256000 7254000 7252000

N

A76 A12 A15 A43 A44

NEMO LAKE

US-IVRPIT-NATURAL-WEST

US-IVRPIT-NATURAL-EAST

IVR-DIVERSION-NATURAL

US-IVR-WRSF-NATURAL

IVR-WRSF-DIKE

IVR-DIKE-NATURAL

IVR WRSF

IVR-WRSF-IVRPIT

IVR-PIT- FLOODED

GSP-3

GSP-2

GSP-1

EXP-WRPAD

WT-WRSF-IVRPIT

WT-WRSF-DIKE

WHALE TAIL WRSF

WT-WRSF-IVRPUSHBACK

IVR-PIT-PUSHBACK

WT-PIT-PUSHBACK

WT-WRSF-WTPIT

OSP-4

FUEL-FACILITIES

IVR-ATTENPOND

OSP-3

PAD K

OSP-1

OSP-2

WT-WRSF-POND

WT-WRSF-POND-DIKE

HAUL TRUCK PARK

WT-PIT-FLOODED

WHALE TAIL LAKE (UIGUQLIQ) NORTH BASIN 153.5m

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-CAMP

KANGISLULIK-DSDIKE-NATURAL

KANGISLULIK-DSDIKE-WATER

KANGISLULIK LAKE 152.5m

WT-DIKE-LAKEBED

SANA-CRUSHER-PAD

KANGISLULIK-DIKE-NATURAL

TEMP-NPAG-WRSF

WT-USDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ) SOUTH BASIN 153.5m

WT-USDIKE-NATURAL

KANGISLULIK-DSDIKE-NATURAL

WT-USDIKE-WATER

A63 155.3m

A18-NATURAL

A18 155.3m

A20 155.3m

A19 155.3m

A21 155.3m

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- BACKFILLED POND (NPAG)
- DIKE
- RECLAIMED MINE INFRASTRUCTURE
- WATERBODY (NATURAL)

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Notes:
1.Original Drawing:
Drawing Number 2042 POST CLOSURE. *Amaruq MineSite General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.
2. Whale Tail WRSF extension design provided by Okane Consultants
3. Pit Extension provided by BBA - Whale Tail Phase 3 Underground End of Period Surfaces

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

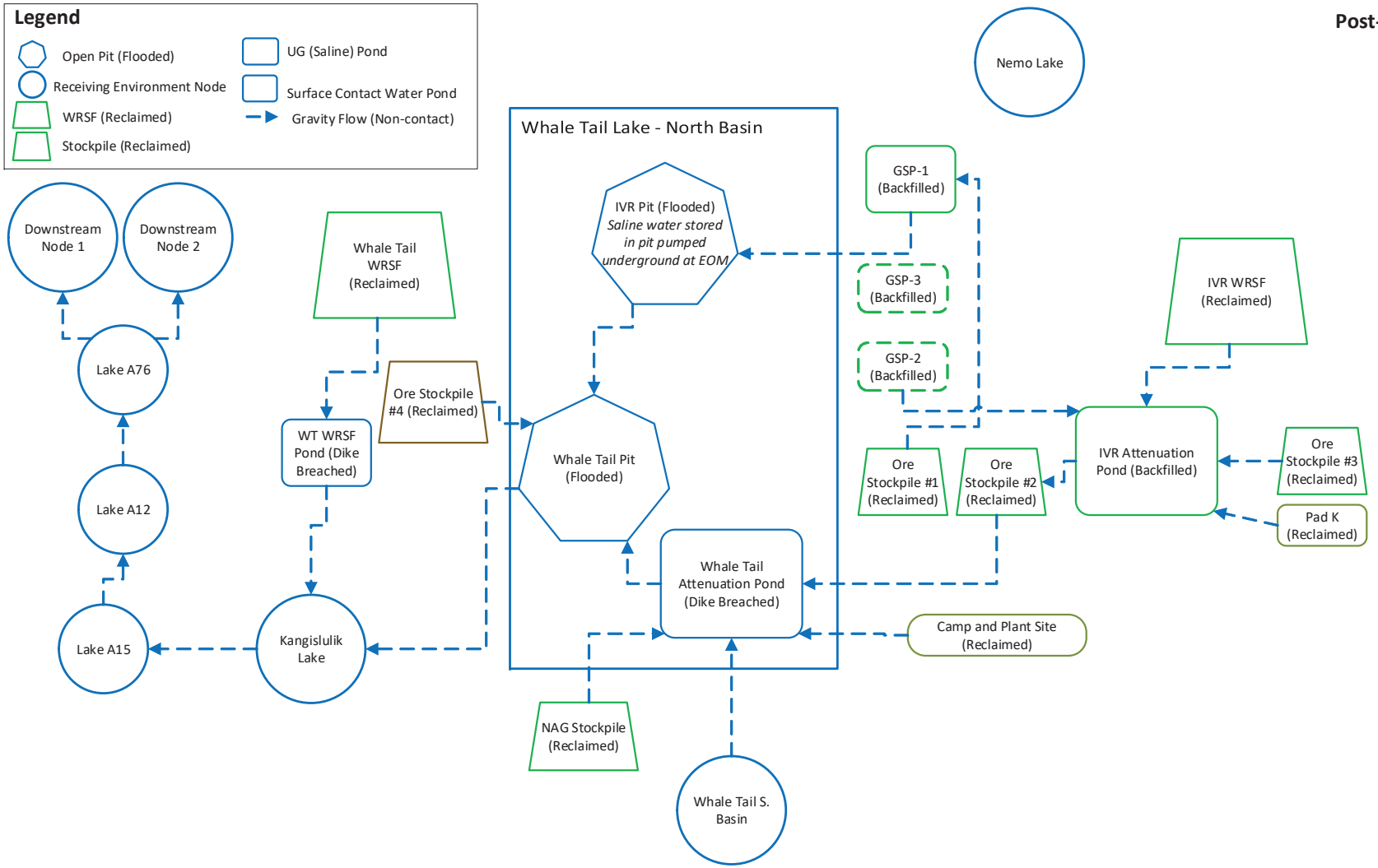
PROJECT: **Whale Tail ELOM WB/WQM**

TITLE: Whale Tail ELOM
Water Balance Layout - Post-Closure

PROJECT #: A634-5

FIGURE: 3-30

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_Post-Closure_With_Catchments.dwg




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (Post-closure)

PROJECT #: A634-5

FIGURE: 3-31

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-7_Post-Closure.mxd

## 3.10 Water Balance Model Validation

A water balance model validation exercise was conducted using the monitored lake and pond water level data for October 2022 to December 2023. The focus of this exercise was the pumped discharges from the Whale Tail and IVR Attenuation Ponds, as these flows represent the total volume of contact water requiring treatment and discharge from the Whale Tail Mine.

Overall, the modelled monthly volumes closely match the seasonal variability and magnitude evident in the pumping data, with a trend towards model overprediction relative to the monitoring data (Figure 3-32 and Figure 3-33). This conservative overprediction is evident during the validation period and is more pronounced for the IVR Attenuation Pond. The water balance of GSP-1 is not connected to either Attenuation Pond, as it is the repository of underground dewatering flows, Mudwizard clarifier outflows, and surface runoff from the exploration waste rock pad and Ore Storage Pad #1. However, the model's ability to accurately track volumes (and therefore water levels) in this pond is important to verify, as it impacts the timing of transition to use of the IVR Pit east lobe for underground mine water storage (Figure 3-34).

Lake water levels are well represented in the model, noting that the modelled values deviate from the measured values during the winter months, when ice cover affects the accuracy of the datalogger readings in the lakes. These periods are highlighted blue in Figure 3-35 and Figure 3-36.

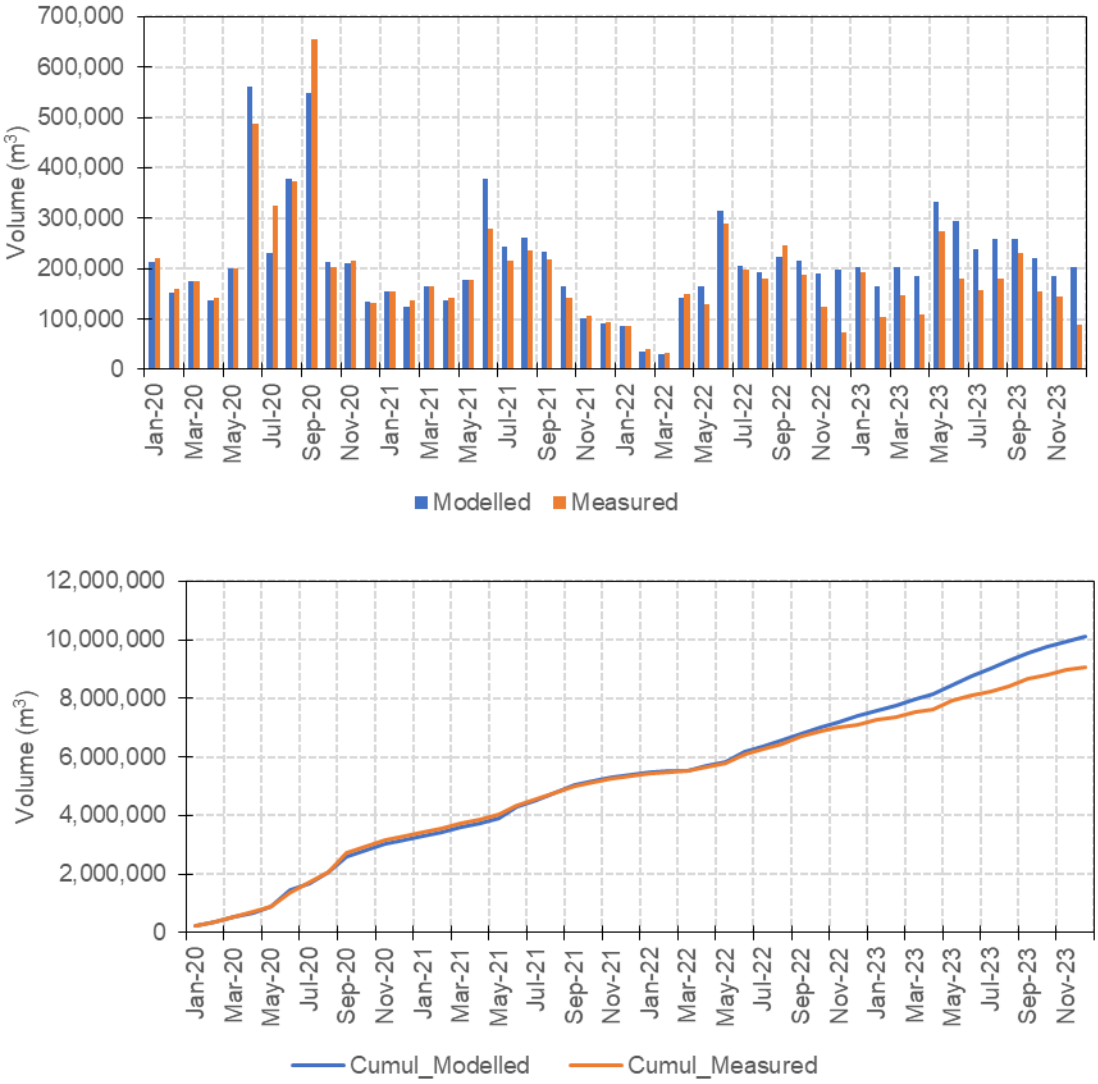



**Figure 3-32: Modelled and measured monthly (top) and cumulative (bottom) pumped discharges from the Whale Tail Attenuation Pond.**

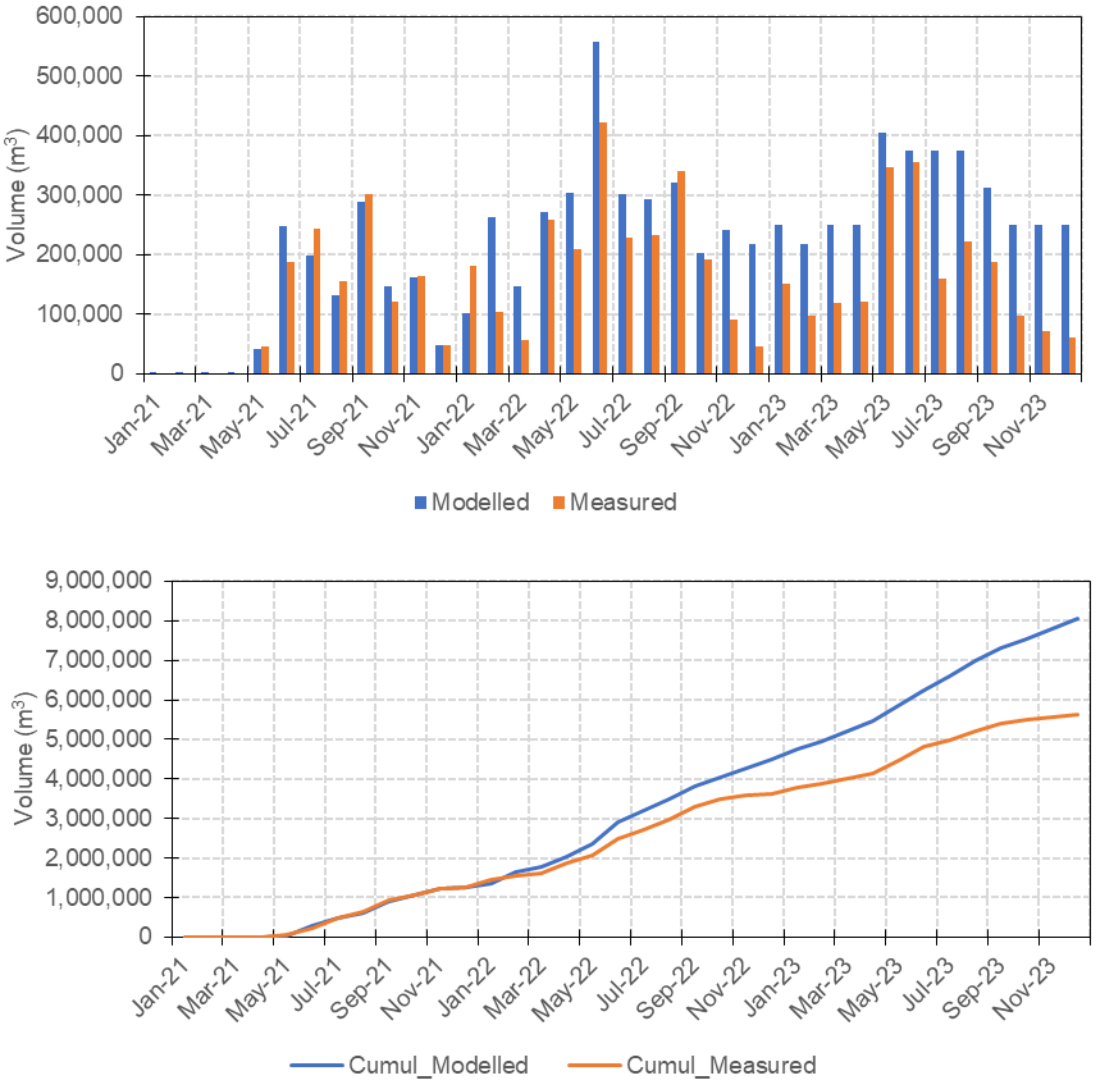



**Figure 3-33: Modelled and measured monthly (top) and cumulative (bottom) pumped discharges from the IVR Attenuation Pond.**

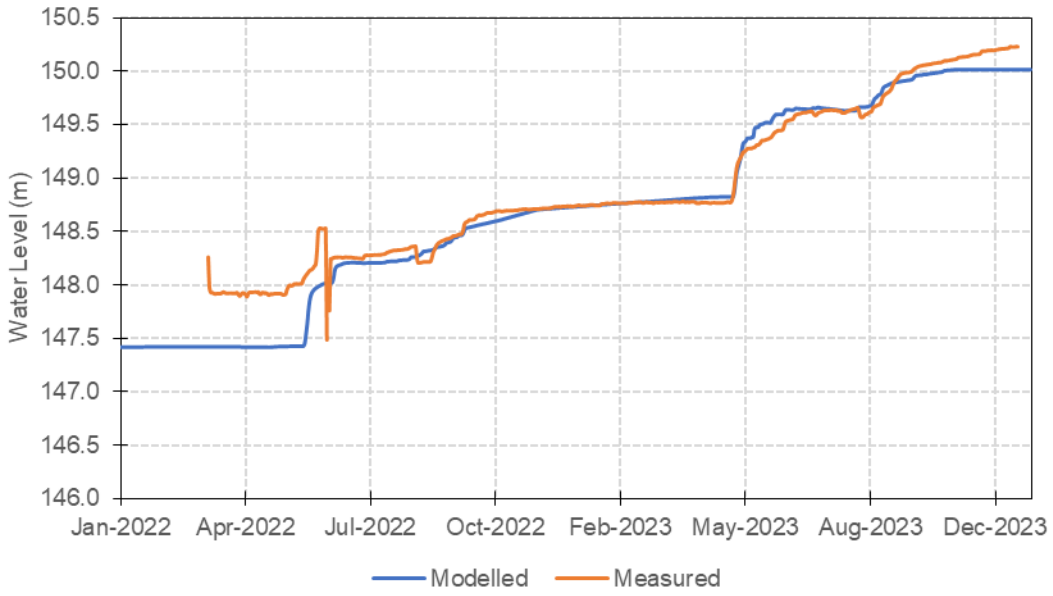



**Figure 3-34: Modelled and measured daily water levels in the GSP-1 pond.**

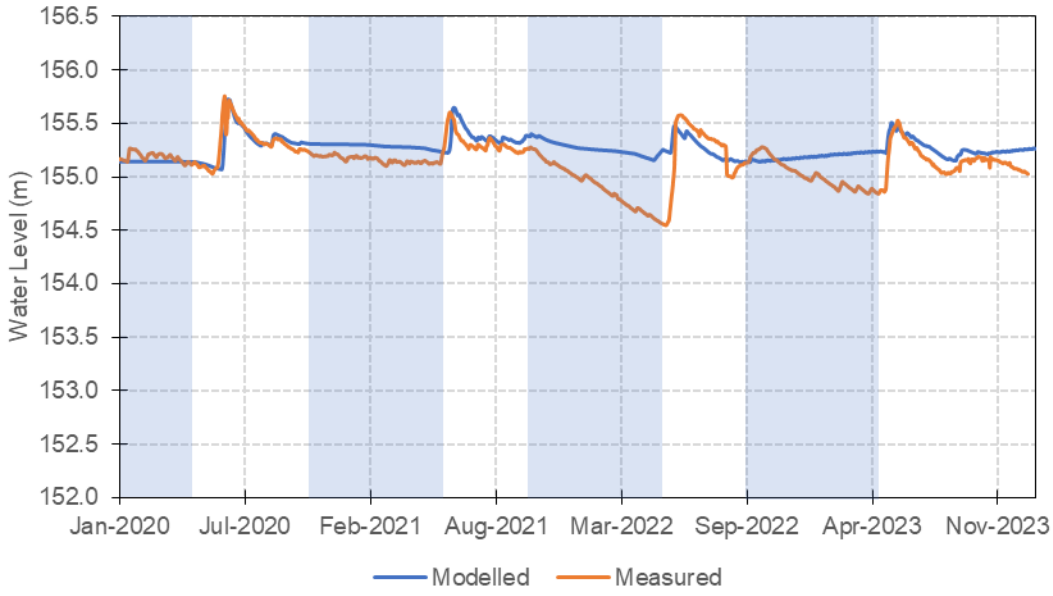



**Figure 3-35: Modelled and measured daily water levels in Whale Tail South Basin. Winter period shown in highlighted blue areas.**

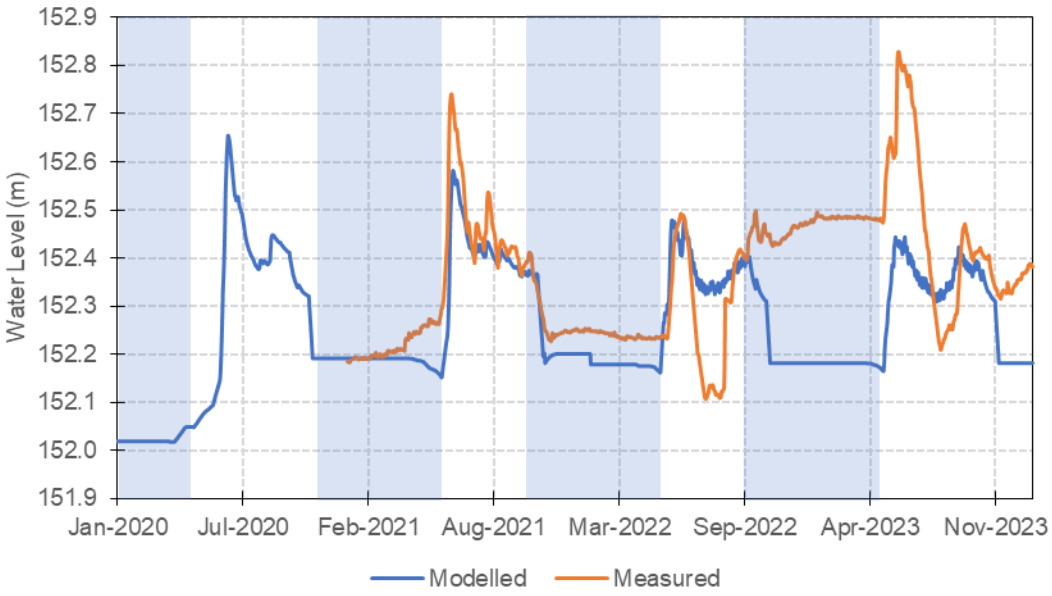



**Figure 3-36: Modelled and measured daily water levels in Kangislulik Lake. Winter period shown in highlighted blue areas.**

# 4. Water Quality Model Methods



AGNICO EAGLE

# 4. Water Quality Model Methods

## 4.1 Baseline Water Quality Inputs

Water quality inputs for non-impacted catchment areas were developed using historic baseline water quality monitoring data. The baseline monitoring periods and locations for each lake are summarized in Table 4-1. The baseline monitoring period was selected based on the onset of baseline monitoring (2014-2016) to timing of perceived or known anthropogenic influence on the lake.

**Table 4-1:**
**Lake Baseline Water Quality Monitoring Summary**

| Monitoring Location | Monitoring Station ID | Baseline Monitoring Period |
|---|---|---|
| Whale Tail Lake | WTS | 2016-2017 |
| Kangislulik Lake | MAM | 2015-2017 |
| Nemo Lake | NEM | 2014-2019 |
| A76 | A76 | 2016-2018 |

Median baseline concentrations for key parameters were calculated for lakes A76, Whale Tail South, Kangislulik Lake and Nemo Lake. The median baseline water quality for lake A76 was also applied for lakes DS1, DS2, A18, A20 and A43, and is also applied as the natural runoff source term. Lake A76 was selected to represent non-contact water runoff because it is a relatively small lake located downstream of the mining area, monitored semi-monthly over the duration of the baseline monitoring period.

The lakes which directly receive mine effluent (Kangislulik Lake and Whale Tail South) were initialized within the model using observed monitoring data. That is, the average concentrations observed in January to February 2020 were applied to the lakes at the beginning of the modelling period (*i.e.*, January, 2020).

## 4.2 Geochemical Source Terms

In general, the geochemical source terms follow a similar approach as that employed in previous model versions (Golder 2019b, 2021; Lorax, 2023). Source term updates for the Whale Tail ELOM model were completed to address changes to the expanded mine plan. A detailed description of source term derivation methods and results are provided in Appendix C. A summary of source term development is provided below.

*Underground Mine Water*

- The underground mine water source terms represent the cumulative geochemical load of wall rock and rockfill contact water, and groundwater that is collected in sumps and eventually dewatered to the mine surface.
- Annual loads from underground wall rock and waste backfill were calculated using an upscaled kinetic test loading rates. Loading rates were scaled considering waste and ore production volumes, backfill schedule and composition of the underground waste rock and ore.
- The chemical load from groundwater infiltrating the underground is calculated based on predicted inflows to the underground and monitoring data from underground drillhole AMQ-WH-380.
- Salinity of groundwater infiltrating into the underground mine workings was predicted based on the TDS profile developed by Golder (2022), and the maximum depths that mine workings will penetrate below ground surface (Figure 4-1).
- Nitrogen source terms for the underground mine are based on nitrogen losses observed in the 2020-2021 monitoring data from the Tiriganiaq Underground at the Meliadine mine.

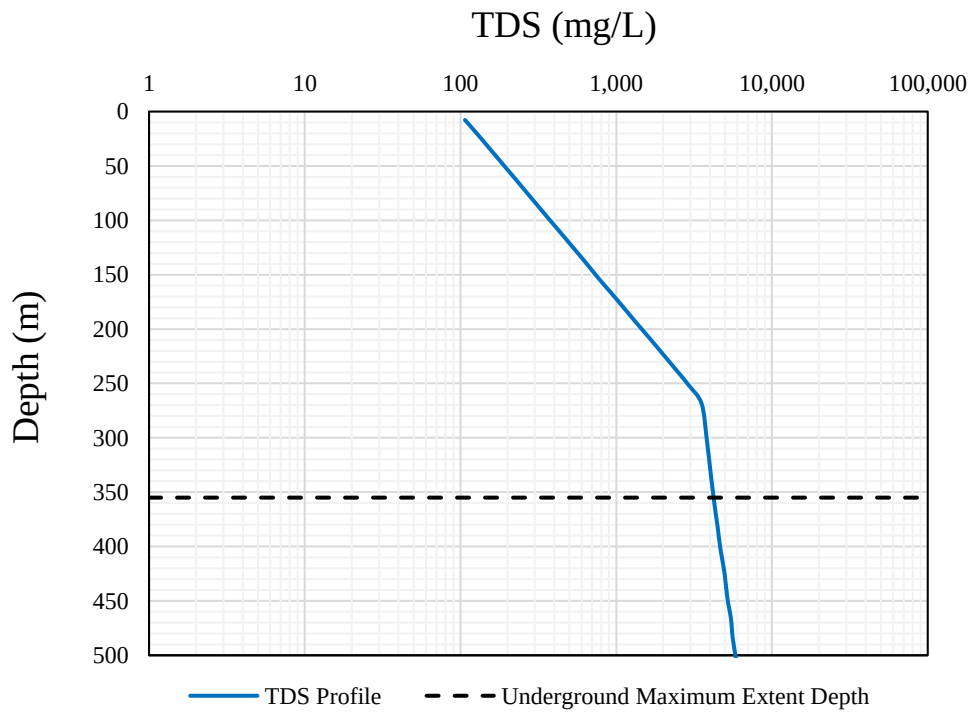



**Figure 4-1: Underground subsurface total dissolved solids (TDS) depth profile modified from Golder (2022).**

*Waste Rock Storage Facilities*

- Geochemical loading rates are based on upscaled kinetic tests following the same approach described in Golder (2019b). An additional scaling factor was introduced based on water quality monitoring data and pumping records. This 'calibration factor' was introduced to ensure model results validated against monitoring data from the early Operations period (2020-2022). The calibration factors were calculated on an annual basis, and the average value was applied in forward modeling (*i.e.*, 2023 onwards).
- The WRSF facilities will be progressively reclaimed using an NPAG/NML waste rock cover through Operations to mitigate potential acid-generation and metal leaching of PAG/ML waste rock. Loadings from the waste rock cover are based on the NPAG/NML waste rock loading rates and the progressive remediation schedule (Table 4-2).
- Nitrogen source terms for waste rock runoff are based on 2020-2022 monitoring data from the Whale Tail WRSF Collection Pond, corrected for runoff from the surrounding catchment area.

**Table 4-2:**
**Assumed Whale Tail WRSF and IVR WRSF Cover Remediation Schedule**

| Year | Whale Tail WRSF | IVR WRSF |
|---|---|---|
| | % Covered | % Covered |
| 2017 | 0% | 0% |
| 2018 | 0% | 0% |
| 2019 | 0% | 0% |
| 2020 | 0% | 50% |
| 2021 | 18% | 50% |
| 2022 | 29% | 25% |
| 2023 | 29% | 25% |
| 2024 | 33% | 25% |
| 2025 | 37% | 25% |
| 2026 | 40% | 25% |
| 2027 | 40% | 25% |
| 2028 | 100% | 100% |

**Note:** progressive cover remediation schedule is modified from O'Kane (2019)

*Open Mine Pits*

- Geochemical loading rates for exposed pit walls were calculated by upscaling kinetic test loading rates, following the same approach as described in Golder (2019b). In addition, calibrated scaling factors were introduced, similar to WRSF source terms described above, to ensure model results validated against monitoring data from 2020-2022.
- Nitrogen source terms for pit wall runoff were calculated using average ammonia, nitrate, and nitrite concentrations from the IVR Pit sump monitoring data, corrected for runoff from the surrounding catchment area.
- The diffusive flux source term for arsenic was updated using saturated column kinetic test data. Diffusive flux source terms were developed to predict the initial release and gradual diffusive transport of As from stagnant pore water in the blast damaged walls and floors into the pit lake water column post-flooding.

*Exposed Lake Beds*

- The source terms for runoff over exposed dewatered Whale Tail Lake sediments were updated to incorporate lake sediment kinetic testing results.

*NPAG/NML Stockpiles and Mine Facilities Area*

- Geochemical loading rates for the NPAG/NML stockpile were calculated using the same assumptions and inputs as the WRSF source terms.
- The mine facilities runoff source term was calculated using the same approach as the NPAG/NML stockpile source term, with a shallower applied interaction depth of 2 m.
- Calibration factors developed for the Whale Tail WRSF source term were also applied to the NPAG/NML stockpile and mine facilities areas source terms.

*Solubility Controls*

- Concentration limits for aluminum, iron and phosphorous were developed using the United States Geological Survey numerical modelling program PHREEQC (Parkhurst and Appello, 1999).
- Constant solubility caps were applied for Al (0.44 mg/L) and Fe (0.072 mg/L) based on the mineral solubility of hydroxyapatite [$Ca_5(PO_4)_3(OH)$] and aluminum hydroxide [$Al(OH)_3$].
- A variable solubility cap was developed for phosphorus based on hydroxyapatite [$Ca_5(PO_4)_3OH$] solubility at various calcium concentrations. The variable solubility

cap was calculated based on predicted source term calcium concentrations and only applied when conservative upscaling concentrations exceeded the predicted phosphorous solubility limit.

*Phosphorous Decay*

- During Operations, the sewage treatment plant (STP) represents the primary source of phosphorus. Treated effluent from the STP is discharged to the Whale Tail Attenuation Pond (2020–2021) and IVR Attenuation Pond (2022–end of Operations).
- Based on site monitoring data, phosphorous in the attenuation ponds is considerably lower than concentrations predicted from a conservative mixing model. The inferred mechanism for phosphorous loss in the attenuation ponds is the adsorption of phosphorus onto TSS.
- A phosphorous removal rate of 90% is applied year-round for STP discharged to the Whale Tail Attenuation Pond and IVR Attenuation Pond.
- The O-WTP sludge will be disposed within the Whale Tail WRSF, where it freezes back with the waste rock; mitigating any potential remobilization during the closure phases., as per the Whale Tail Mine Water Management Plan. Therefore, no consideration of P remobilization is considered in the WBWQM.

*Nitrogen Decay*

- Nitrogen species are subject to microbially-mediated transformation in aquatic systems, such as nitrification. Nitrification is a process in which ammonia ($NH_3$) is oxidized to nitrite ($NO_2$) and nitrate ($NO_3$) sequentially by nitrifying bacteria (Bernhard, 2010).
- Nitrification of $NH_3$ to $NO_2$ and ultimately $NO_3$ is applied to the WTS Lake, Kangislulik Lake, Whale Tail Attenuation Pond and IVR Attenuation Pond over the growing season (June-September) when water temperatures are warm and favorable for microbial growth.
- A nitrification rate of 0.001 mg/L/day is applied until $NH_3$ is reduced to the minimum concentration of 0.001 mg/L.

## 4.3 Whale Tail Pit and Dike Seepage

Shallow groundwater seepage through dike structures and into the Whale Tail Pit will occur throughout Operations and Active Closure. The shallow groundwater system is dominated by seepage originating from surrounding lakes (Whale Tail Lake South Basin and

Kangislulik Lake West Basin) into dewatered areas of the mine site (*e.g.*, Whale Tail North Basin and Whale Tail Pit). This is in contrast to the deep groundwater system beneath the permafrost which contains elevated TDS and interacts with the underground mine workings.

Shallow groundwater seepage through the existing Whale Tail Dike and into the Whale Tail Pit has been monitored since 2019. Source terms were calculated based on average observed concentrations at the groundwater seep monitoring location (ST-GW-ST-1) and Whale Tail Dike monitoring location (ST-GW-WT-17) from January 2019 to March 2023.

## *4.4 Water Quality Model Validation*

To validate the water quality model, predicted daily concentrations are compared to actual monitoring data at downstream model nodes from 2020 to 2023. The model results for arsenic and phosphorous are compared against monitoring data from Whale Tail Attenuation Pond, IVR Attenuation Pond, Whale Tail South Basin, and Kangislulik Lake in Figure 4-2. In general, water quality model predictions are similar to, or overestimate, monitoring data, particularly in the receiving environment of Whale Tail South Basin and Kangislulik Lake. The validation results indicate that the water quality model can conservatively re-produce historic monitoring data in early Operations, providing confidence in the conservatism of forward model predictions.

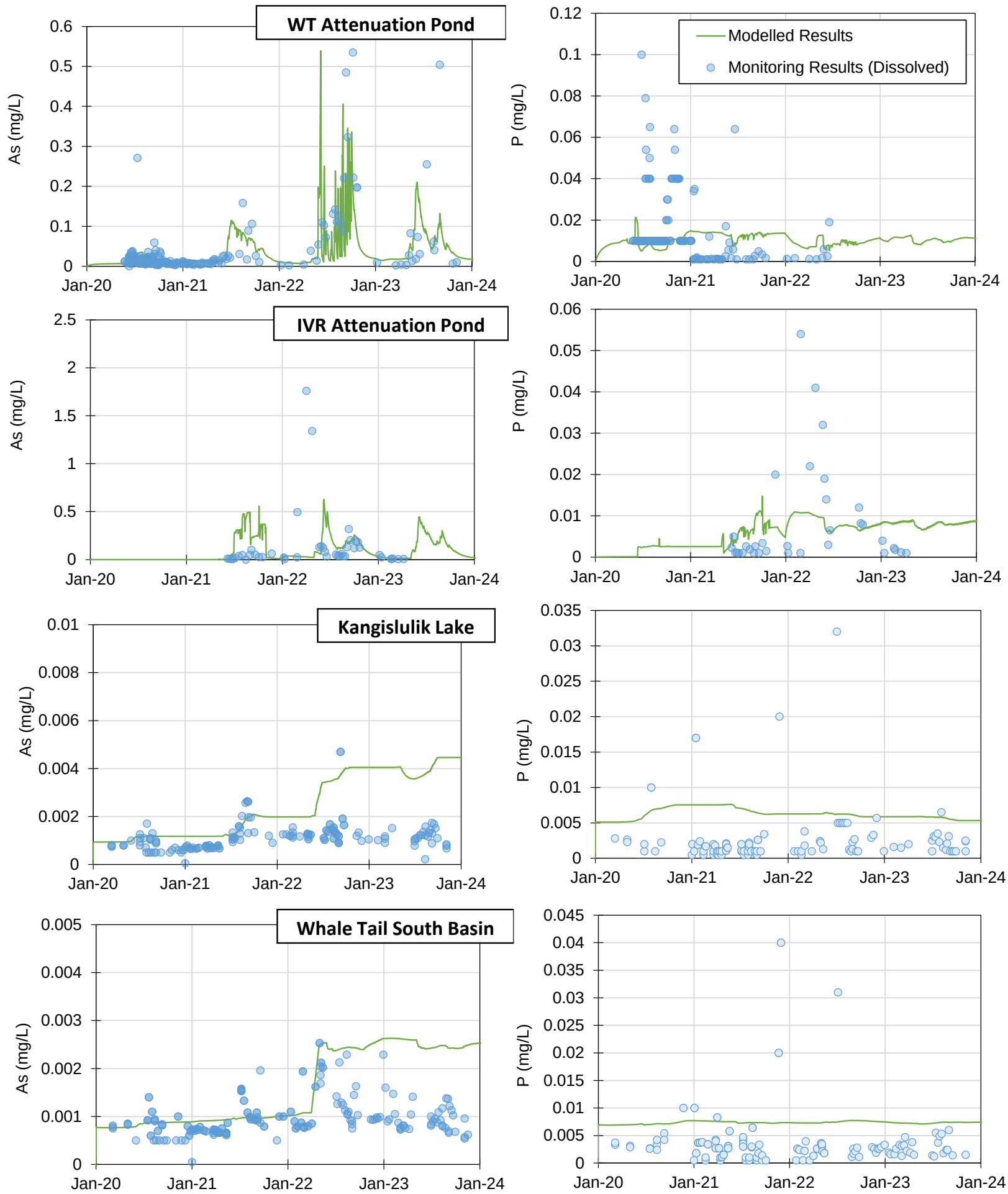



**Figure 4-2: Water quality model results for arsenic and phosphorous validated against monitoring result from Whale Tail Attenuation Pond (ST-WT-1), IVR Attenuation Pond (ST-WT-23), Kangislulik Lake (MAM and MAME-1) and Whale Tail South Basin (WTS, WTSE and WTSE-1).**

# 5. Water Balance Model Results

AGNICO EAGLE

# 5. Water Balance Model Results

The water balance model predictions for key nodes and all mine phases are presented in this section. Results are provided for collection ponds, open mine pits, water treatment plant discharge volumes, and Active Closure pit lake flooding and water management.

## 5.1 Operations Phase

### 5.1.1 Collection Ponds

This section summarizes the water balance model results for the surface contact water collection ponds (Whale Tail WRSF Collection Pond, Whale Tail Attenuation Pond, IVR Attenuation Pond), and the underground mine contact water ponds (GSP-1 and IVR Pit).

#### *5.1.1.1 Whale Tail Waste Rock Storage Facility Collection Pond*

The Whale Tail WRSF Collection Pond is predicted to remain below the maximum operating level (154 m) for the duration of Operations and Active Closure (Figure 5-1). The effective water level fluctuates around elevation 153.5 masl once the Whale Tail WRSF Collection Pond Dike is breached and the pond is reconnected to Kangislulik Lake via gravity drainage.

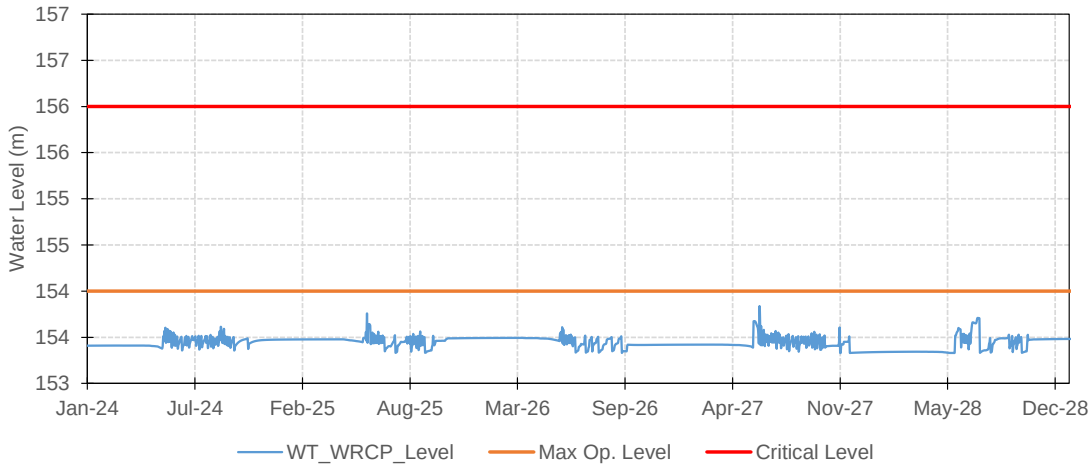



**Figure 5-1: Predicted water levels and target operating levels in Whale Tail Waste Rock Storage Facility Collection Pond for the Operations phase. Maximum operating level shown by orange line, and critical level shown by red line.**

Early in mine Operations (2020) the contact water from the Whale Tail WRSF Collection Pond was pumped to the Whale Tail Attenuation Pond. A limited volume of the Whale Tail WRSF Collection Pond was pumped to the Whale Tail Attenuation Pond in 2021, with

the majority routed to the IVR Attenuation Pond. From 2022 onwards, all Whale Tail WRSF Collection Pond contact water is routed to the IVR Attenuation Pond.

#### *5.1.1.2 Whale Tail Attenuation Pond*

The Whale Tail Attenuation Pond began operation in freshet of 2019 and operated as the primary Attenuation Pond until 2021. Due to this pond's location downgradient of the Whale Tail Dike and upgradient of Whale Tail Pit, it receives significant seepage volumes from the Whale Tail South Basin and is a source of groundwater seepage into Whale Tail Pit (see Section 2.2.1.1 for details). As such, to limit the overall volumes of diluted contact water that must be managed, the majority of site contact water that is actively managed (*i.e.*, pumped) was routed to the IVR Attenuation Pond in 2021, with all contact water sources except WT Pit pumped to the IVR Attenuation Pond thereafter. Thus, the water balance inputs to the Whale Tail Attenuation Pond from 2023 onwards are entirely incident meteoric precipitation, WT Pit sump water, gravity drainage from the surrounding catchments, and ongoing seepage through the Whale Tail Dike. Over the Operations phase, seepage through the Whale Tail Dike is predicted to account for 49% of the inputs to the Whale Tail Attenuation Pond, and 43% are sourced from the WT Pit sump (Table 5-1 and Figure 5-3).

The water levels in the Whale Tail Attenuation Pond are predicted to remain within the operational criteria for the duration of Operations (Figure 5-2) and begin to rise in July 2028 once Operational water management activities have ceased.

**Table 5-1:**
**Annual Inflows to the Whale Tail Attenuation Pond during the Operations phase.**

| Pumped \| From: | WT_WRCP | WT Pit | IVR Pit | Meteoric Inputs[1] | Gravity Drainage[2] | WT Dike Seepage | Minor Sumps[3] |
|---|---|---|---|---|---|---|---|
| **Year** | **m³** | | | | | | |
| 2024 | 0 | 1,327,423 | 0 | 54,806 | 109,410 | 1,304,294 | 0 |
| 2025 | 0 | 1,356,524 | 0 | 71,449 | 122,917 | 1,303,221 | 0 |
| 2026 | 0 | 1,196,805 | 0 | 52,495 | 102,029 | 1,301,774 | 0 |
| 2027 | 0 | 1,171,505 | 0 | 100,958 | 190,485 | 1,304,182 | 0 |
| 2028 | 0 | 574,507 | 0 | 62,322 | 117,087 | 1,059,129 | 0 |
| **Average** | **0** | **1,125,353** | **0** | **68,406** | **128,385** | **1,254,520** | **0** |

[1] Meteoric inputs include rainfall and snowmelt on the pond surface, and surrounding bank runoff
[2] Gravity drainage from surrounding catchments, including Camp, Warehouse Pad, Ore Stockpile #1 and #2, NPAG Stockpile and SANA Crusher Pad
[3] Minor sumps are A47, A49, A53, Road 7, Mammoth DS, and Quarry 1

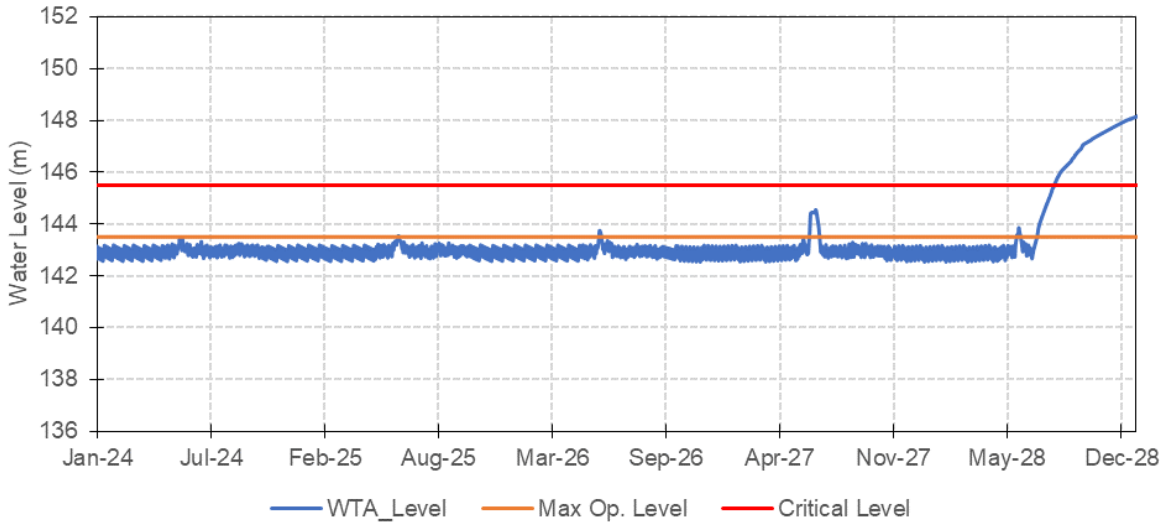



**Figure 5-2: Predicted water levels and target operating levels in the Whale Tail Attenuation Pond for the Operations phase. Maximum operating level shown by orange line, and critical level shown by red line.**

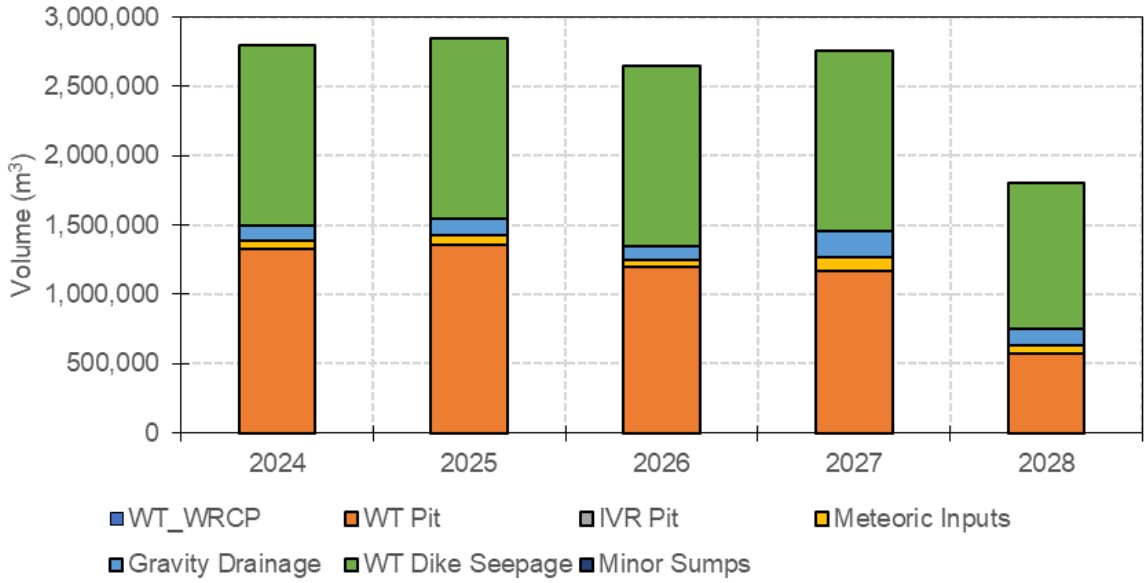



**Figure 5-3: Annual inflow volumes to the Whale Tail Attenuation Pond during the Operations phase.**

### *5.1.1.3 IVR Attenuation Pond*

The IVR Attenuation Pond began operating for freshet of 2021 and is currently the primary contact water Attenuation Pond at the Whale Tail Mine. It receives gravity drainage from the IVR WRSF, and pumped flows from the Whale Tail WRSF Collection Pond, Whale Tail Pit, IVR Pit, minor sumps and the Whale Tail Attenuation Pond. Water levels in the

IVR Attenuation Pond are predicted to remain below the maximum operating water level in all remaining years of Operations (Figure 5-4):

For the remaining years of Operations, the various mine contact water management sumps and the Whale Tail Attenuation Pond are the primary inputs to the IVR Attenuation Pond, comprising 18% and 66% of the total inflows, respectively (Table 5-2 and Figure 5-5).

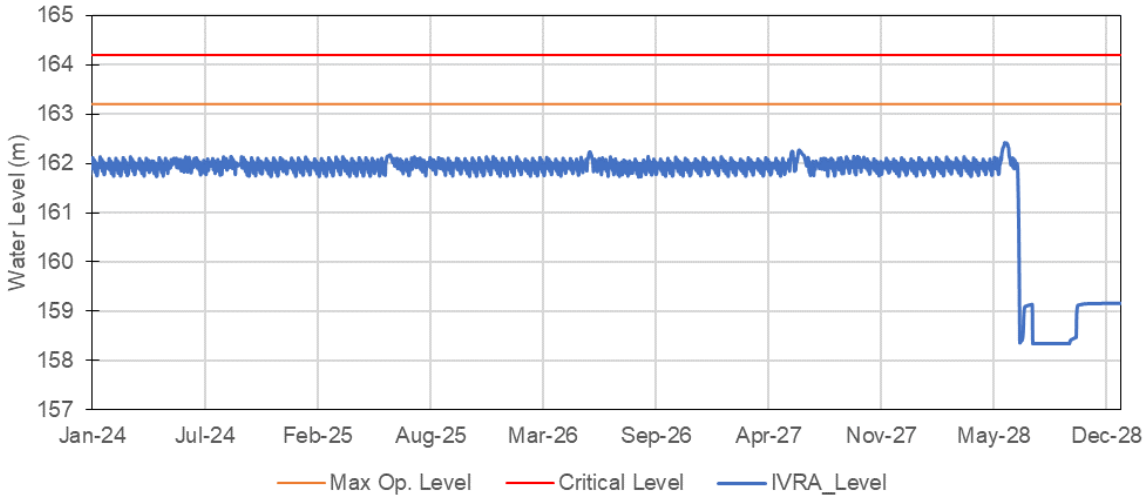



**Figure 5-4: Predicted water levels and target operating levels in the IVR Attenuation Pond for the Operations phase. Maximum operating level shown by orange line, and critical level shown by red line.**

**Table 5-2:**
**Annual Inflows to the IVR Attenuation Pond during the Operations Phase**

| Pumped From: | WT_ WRCP | IVR WRSF | WT Attenuation Pond | WT Pit | IVR Pit | STP | Meteoric Inputs[1] | Gravity Drainage[1] | Minor Sumps[2] |
|---|---|---|---|---|---|---|---|---|---|
| **Year** | **m³** | | | | | | | | |
| 2024 | 193,200 | 17,653 | 2,064,384 | 14,039 | 37,578 | 47,580 | 112,636 | 23,685 | 579,119 |
| 2025 | 165,600 | 17,909 | 2,267,136 | 15,185 | 43,980 | 47,450 | 140,441 | 31,528 | 577,536 |
| 2026 | 99,360 | 13,518 | 1,990,656 | 13,330 | 37,928 | 47,450 | 106,138 | 22,377 | 577,536 |
| 2027 | 259,440 | 48,474 | 2,193,408 | 21,780 | 62,256 | 47,450 | 202,987 | 46,770 | 577,536 |
| 2028 | 104,880 | 29,749 | 1,013,760 | 9,050 | 26,468 | 25,124 | 124,596 | 27,368 | 287,977 |
| **Average** | **164,496** | **25,461** | **1,905,869** | **14,677** | **41,642** | **43,011** | **137,360** | **30,345** | **519,941** |

**Notes:**
[1] Meteoric inputs include rainfall and snowmelt on the pond surface, and surrounding bank runoff
[2] Gravity drainage from surrounding catchments, including Ore Stockpile #3 and Pad K extension
[3] Minor sumps are A47, A49, Road 7, and Mammoth DS

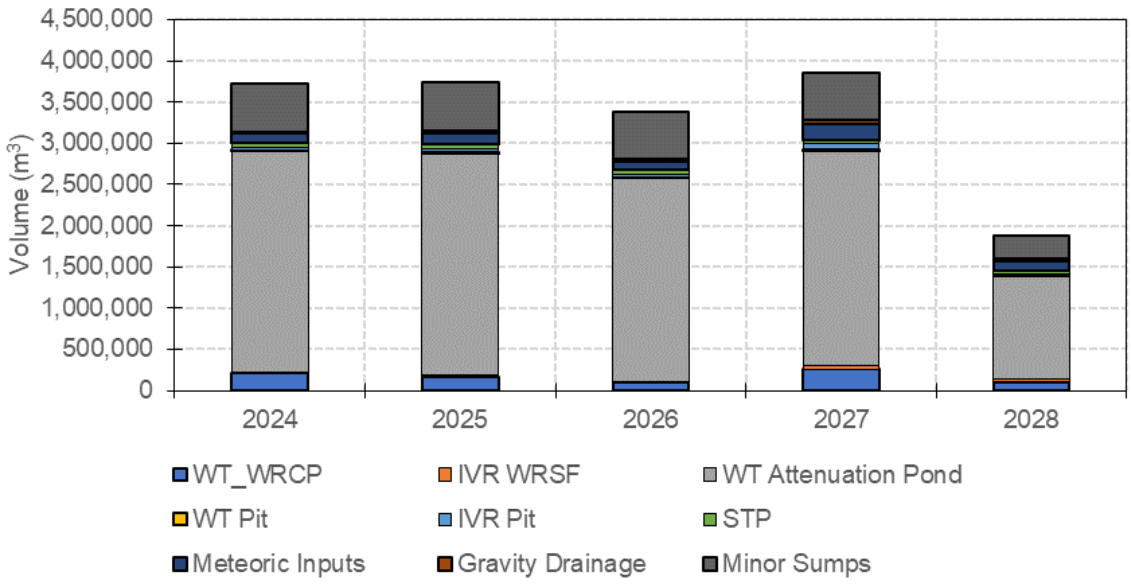



**Figure 5-5: Annual inflow volumes to the IVR Attenuation Pond during the Operations phase.**

### *5.1.1.4 GSP-1 and IVR Pit*

GSP-1 is currently the primary groundwater storage pond at the Whale Tail Mine. The pond currently operates as a closed loop system with all collected water (including incident precipitation and snowmelt) directed back underground for use as drilling brine. A positive water balance is not predicted to occur for this pond until mid-June 2026, when groundwater inflows to the underground mine are predicted to significantly increase. Following this, the additional water collected in this pond will be pumped to the IVR Pit (see Section 3.6.5) for storage to maintain GSP-1 well below the maximum operating water level. A total of 95,430 $m^3$ is predicted to be pumped from GSP-1 to the East Lobe of the IVR Pit over the remainder of the Operations phase (Table 5-3).

The IVR Pit is located entirely within permafrost and has a limited upgradient catchment beginning in June 2026 leading to a simple water balance. Surface runoff from the surrounding catchment areas dominated the pit water balance earlier in Operations, switching to pit wall runoff dominating as the open pit comprises more of the total pit catchment.

**Table 5-3:**
**Annual Inflows to the IVR Pit during the Operations Phase**

| Year | West Lobe Pit Wall Runoff | West Lobe Gravity Drainage[1] | Precipitation on West Lobe Pit Lake | GSP-1 to IVR Pit East Lobe | East Lobe Pit Wall Runoff | East Lobe Gravity Drainage[1] | Precipitation on East Lobe Pit Lake |
|---|---|---|---|---|---|---|---|
| | $m^3$ | | | | | | |
| 2024 | 32,593 | 4,708 | 277 | 0 | 21,742 | 3,017 | 1,048 |
| 2025 | 37,266 | 6,441 | 274 | 0 | 21,207 | 4,128 | 1,618 |
| 2026 | 33,124 | 4,546 | 257 | 22,011 | 18,525 | 2,914 | 2,214 |
| 2027 | 52,954 | 8,871 | 431 | 51,071 | 26,421 | 5,686 | 10,337 |
| 2028 | 39,666 | 34,483 | 12,027 | 22,348 | 10,710 | 4,018 | 5,088 |
| **Average** | **39,121** | **11,810** | **2,653** | **19,086** | **19,721** | **3,953** | **4,061** |

**Notes:**
[1] Gravity drainage from all surrounding disturbed and non-contact catchments.

At the end of the Operations phase in June 2028, 115,300 $m^3$ of underground mine water is stored in GSP-1, and 724,600 $m^3$ in the IVR Pit lake, with approximately 89% of this stored water of underground provenance (via groundwater inflows to the underground mine [13%], and inflows through the Whale Tail Pit Crown Pillar [76%]). The East Lobe IVR Pit wall runoff and surrounding catchment runoff contributes 9% of the total (Table 5-3).

These volumes are pumped into the underground void in July 2028, at the onset of Active Closure. Once this has been completed, GSP-1 will be backfilled with NPAG/NML waste rock, and the remainder of the underground mine will be filled with water pumped from the Whale Tail WRSF Collection Pond and IVR Attenuation Pond.

### 5.1.2 Whale Tail Pit Water Balance

The Whale Tail Pit annual water balance for the Operations phase is presented in Table 5-4. During Operations, groundwater seepage inflows through the south wall from the Whale Tail South Basin (and the Whale Tail Attenuation Pond, to a lesser degree; Lorax 2024) dominate the total pit inflows, ranging from approximately 80% to 90%, dropping to approximately 70% of total inflows in 2027 and 2028 (Table 5-4). Passive surface runoff from the surrounding catchments and incident precipitation/snowmelt on the pit walls and floor contribute the remainder of the inflows (Table 5-4).

**Table 5-4:**
**Annual Inflows to the Whale Tail Pit during the Operations phase.**

| Year | Pit Wall[1] | Gravity Drainage[2] | Precipitation on Pit Lake | Groundwater Inflow | Whale Tail Pit to Crown Pillar | Groundwater Inflow |
|---|---|---|---|---|---|---|
| | $m^3$ | | | | | % of Total Flows |
| 2024 | 98,173 | 42,318 | 276 | 1,200,480 | 0 | 90% |
| 2025 | 106,220 | 56,839 | 272 | 1,208,150 | 0 | 88% |
| 2026 | 94,415 | 40,267 | 256 | 1,204,500 | 129,339 | 82% |
| 2027 | 150,936 | 82,319 | 429 | 1,251,950 | 292,876 | 70% |
| 2028 | 76,593 | 52,255 | 1,533 | 624,260 | 143,627 | 69% |
| **Average** | **105,267** | **54,800** | **553** | **1,097,868** | **113,168** | **80%** |

**Notes:**
[1] Pit wall runoff and pit lake meteoric inputs are a combination of pit wall runoff and inputs for both the main lobe and Pushback
[2] Gravity drainage represents all catchments surrounding the pit that drain by gravity to the pit

### 5.1.3 Water Treatment and Effluent Discharge Volumes

This section summarizes the relative proportion of O-WTP influent derived from the two Attenuation Ponds, and the predicted treated effluent discharges to Kangislulik Lake and Whale Tail South Basin during the remainder of the Operations period.

The IVR Attenuation Pond is the source of 96% of total influent to the O-WTP for the duration of the Operations phase. More limited inputs from the Whale Tail Attenuation Pond are expected as the IVR Attenuation Pond will be the primary repository for pumped contact water flows, except for the WT Pit sump, which continues to be pumped to the Whale Tail Attenuation Pond (Table 5-5).

The relative proportion of total annual treated effluent discharge is weighted towards the open water season discharges to Kangislulik Lake (53% of the total discharges), with the remaining 47% of treated effluent discharged to the Whale Tail South Basin (Table 5-5).

For the Operations period overlapping with the 2018 FEIS (2024-2025), the predicted treated effluent discharges to Whale Tail South Basin are approximately 9% lower under the ELOM mine plan relative to the 2018 FEIS predictions (Table 5-6).

**Table 5-5:**
**Annual Effluent Discharge Volumes and Proportions of Total Discharge for the Operations Phase.**

| Year | O-WTP Influent Source ($m^3$) | | Water Treatment Plant Discharge To: ($m^3$) | |
|---|---|---|---|---|
| | WT AP to WTP | IVR AP to WTP | To WT S. Basin | To Kangislulik Lake |
| 2024 | 136,080 | 3,088,800 | 1,508,880 | 1,716,000 |
| 2025 | 136,080 | 3,057,600 | 1,540,080 | 1,653,600 |
| 2026 | 133,560 | 2,901,600 | 1,475,160 | 1,560,000 |
| 2027 | 123,480 | 3,213,600 | 1,402,680 | 1,934,400 |
| 2028 | 78,120 | 1,653,600 | 889,320 | 842,400 |
| **Total** | **607,320** | **13,915,200** | **6,816,120** | **7,706,400** |
| **% Total** | **4%** | **96%** | **47%** | **53%** |

**Table 5-6:**
**Annual Effluent Discharge Volumes for ELOM and 2018 FEIS Predictions (2024-2025)**

| Year | Current Model | | 2018 FEIS |
|---|---|---|---|
| | Water Treatment Plant Discharge ($m^3$) To: | | |
| | Whale Tail South Basin | Kangislulik Lake | Whale Tail South Basin |
| 2024 | 1,508,880 | 1,716,000 | 1,600,427 |
| 2025 | 1,540,080 | 1,653,600 | 1,572,541 |

## *5.2 Active Closure Phase*

During the first six years of Active Closure (including 2028) while the O-WTP is still active, the IVR Attenuation Pond remains in use as a collection pond for water routed to the O-WTP. During this period, the primary contact water inputs to this pond are the collected pit wall runoff from the Whale Tail and IVR Pits (see Section 3.9), water from the Whale Tail WRSF Collection Pond, treated effluent from the STP, and runoff/interflow from the IVR WRSF.

The underground mine voids (1.67 $Mm^3$) are actively filled in July 2028 by pumping water from GSP-1, IVR Pit, and the IVR Attenuation Pond. The open pits are filled from July 2028 to June 2046 first by passive runoff and then by pumping from the Whale Tail South Basin, Whale Tail WRSF Collection Pond, and the O-WTP effluent in the first six years of Active Closure.

The sequence of mine void flooding is as follows: and as summarized in Table 5-8, Figure 5-8, and Table 5-9, with conceptual pit cross sections and spill points between lobes depicted in Figure 5-6:

- Underground mine active flooding occurs during July 2028.
    - The primary source of water is groundwater stored in IVR Pit (816,000 $m^3$), water from the Whale Tail S. Basin (548,000 $m^3$), remaining contact water in the IVR Attenuation Pond (192,000 $m^3$), and finally the remaining volume stored in GSP-1 (120,000 $m^3$).
- IVR Pit active flooding begins in July 2028, and is filled to the spill point elevation of 123 masl by June 2031 (Figure 5-7).
    - Water pumped from the Whale Tail South Basin is the primary source (11.6 $Mm^3$), followed by treated effluent discharge from the O-WTP (1.42 $Mm^3$), and lastly by water pumped from the Whale Tail WRSF Collection Pond (430,600 $m^3$). Note that after 2032, the O-WTP discharge directed to the IVR Pit is combined with the other overflow from IVR Pit into the WT Pit. Surrounding catchment runoff (650,900 $m^3$) and pit wall runoff (61,200 $m^3$) contribute the remainder of pit inflows over this period.
- Whale Tail Pit active flooding begins in June 2031, and is filled to the spill point elevation of 123 masl by September 2039;
    - Water pumped from the Whale Tail South Basin is the primary source (28.7 $Mm^3$), followed by water pumped from the Whale Tail WRSF Collection Pond (1.85 $Mm^3$), and lastly, groundwater inflows to the pit (3.04 $Mm^3$). These groundwater inflows during Active Closure are based on Lorax (2024) and assume that permafrost develops on the South Wall late in Operations, preventing groundwater ingress. This permafrost is predicted to melt as the pit fills, leading to increasing groundwater inflows until the Whale Tail pit is full to the spill elevation (Figure 5-7). The remainder of the pit inflows are contributed from the surrounding catchment runoff (1.44 $Mm^3$), uncaptured pit wall runoff (389,600 $m^3$), overflow from the IVR Pit Lake (2.61 $Mm^3$) and the Whale Tail Attenuation Pond (4.41 $Mm^3$).
- Once the Whale Tail Pit and IVR Pit lakes join above the 123 m sill elevation, the Whale Tail /IVR Complex is formed. This occurs in August 2039;
    - Water pumped from the Whale Tail South Basin is the primary source (17.0 $Mm^3$), followed by water pumped from the Whale Tail WRSF Collection Pond (1.76 $Mm^3$). Surrounding catchment runoff (1.34 $Mm^3$), uncaptured pit

wall runoff (108,000 $m^3$), and overflow from the IVR Pit Lake (1.18 $Mm^3$) contribute the remainder of pit inflows.

- Active flooding of the Whale Tail North Basin continues until June 2046 when the final water level of 153.5 masl is reached (Figure 5-8).
    - Water pumped from the Whale Tail South Basin is the primary source (2.91 $Mm^3$), followed by water pumped from the Whale Tail WRSF Collection Pond (276,000 $m^3$). Surrounding catchment runoff (490,000 $m^3$), uncaptured pit wall runoff (9,100 $m^3$), and overflow from the IVR Pit (342,000 $m^3$) contribute the remainder of pit inflows.

The water level will drop in Whale Tail South Basin as a result of pumping during Active Closure (Figure 5-8). This will result in the Lake A18 complex becoming disconnected from Whale Tail South basin in September 2028 when water levels are predicted to drop below 154 masl. This will allow Lake A18 Sill to be built in early 2029 and commissioned for freshet 2029. The fully flooded Post-Closure mine pits are depicted in Figure 3-30.

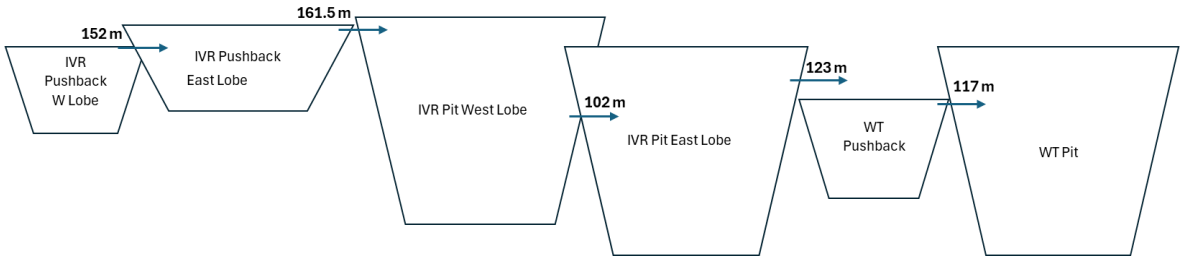



**Figure 5-6: Conceptual pit cross-sections showing spill point elevations between pit lobes.**

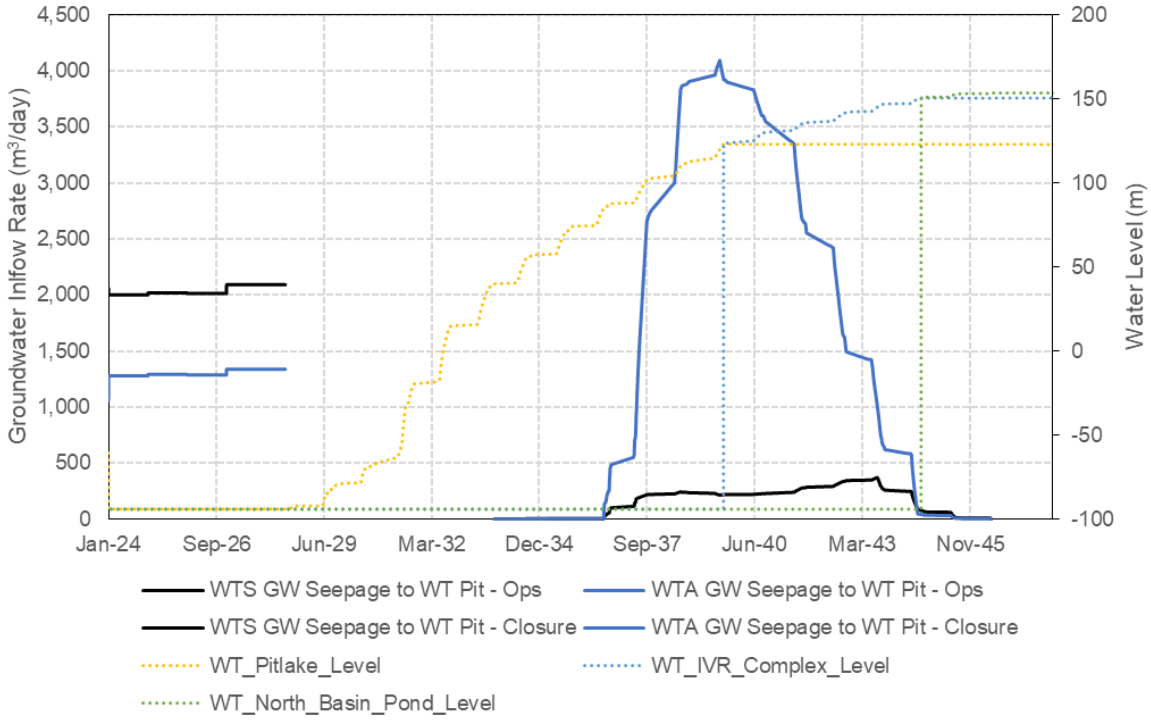



**Figure 5-7: Seepage from Whale Tail Attenuation Pond and Whale Tail South Basin into Whale Tail Pit, as a function of Whale Tail Pit lake water level.**

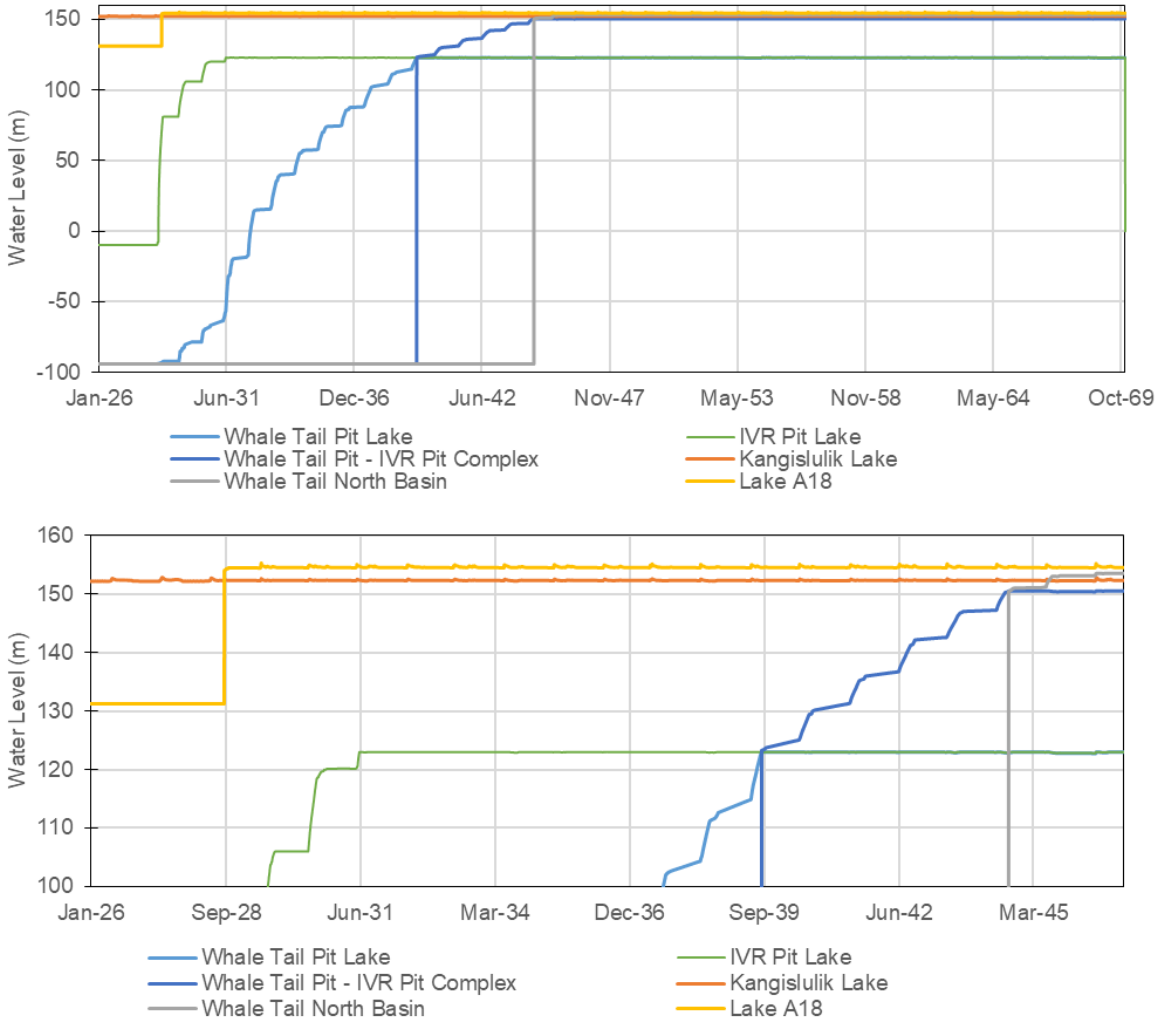



**Figure 5-8: Closure lake water levels for the full range during the flooding period (top panel) and focused on the final lake elevations (bottom panel).**

A total of 1.42 $Mm^3$ of water will require treatment over a 6-year period (2028-2033) – discharged to IVR Pit and Whale Tail Pit. Captured runoff from the WT Pit and IVR Pit walls comprises 22% of the total volume treated during the early Active Closure phase (Table 5-7).

**Table 5-7:**
**Sources of Water Routed to Active Treatment During Active Closure Phase**

| Year | Total Catchment Runoff | IVR WRSF | Captured WT Pit Wall | Captured IVR Pit Wall | STP | IVRAP to WTP |
|---|---|---|---|---|---|---|
| 2028 | 180,706 | 29,749 | 24,693 | 11,348 | 25,124 | 94,711 |
| 2029 | 174,488 | 29,232 | 63,506 | 23,117 | 2,208 | 284,092 |
| 2030 | 161,933 | 25,005 | 67,221 | 18,107 | 2,208 | 228,281 |
| 2031 | 175,442 | 8,688 | 52,970 | 13,024 | 2,208 | 223,393 |
| 2032 | 216,690 | 17,886 | 51,805 | 14,119 | 2,208 | 280,356 |
| 2033 | 290,651 | 58,291 | 51,690 | 15,719 | 2,208 | 306,939 |
| **Total** | **1,199,910** | **168,851** | **311,885** | **95,435** | **36,164** | **1,417,772** |

**Note:** Sum of inputs greater than volume routed to O-WTP due to evaporative losses from pond surface.

The total volume pumped over the 18-year closure period is 3.74 $Mm^3$ from the Whale Tail WRSF Collection Pond, 1.42 $Mm^3$ from the O-WTP (discharged to the IVR Pit), and 60.8 $Mm^3$ from the Whale Tail South Basin (Table 5-8). A total of 15.1 $Mm^3$ is required to fill the IVR Pit, including the additional surface runoff from surrounding catchments and meteoric inputs to the pit shell (Table 5-8). The Whale Tail Pit requires a total of 24.9 $Mm^3$ to fill to the sill elevation with the IVR Pit (123 masl), which includes surface runoff from surrounding catchments, groundwater inflows, and meteoric inputs to the pit shell (Table 5-4). The Whale Tail North Basin requires an additional 31.3 $Mm^3$ to fill from the 123 m sill elevation to the final closure elevation of 153.5 m. The fully flooded Post-Closure mine pits are depicted in (Figure 3-30).

In addition to the actively pumped volumes, water also reports to the open pits via surrounding catchment runoff, pit wall runoff, meteoric (rainfall and snowmelt) inputs to the pit lake surfaces, and overflow from adjacent flooded reservoirs (*e.g.*, Whale Tail Attenuation Pond; Table 5-9).

In total, during Active Closure 65.4 $Mm^3$ is pumped into the open pits, 3.66 $Mm^3$ enters Whale Tail pit via groundwater inflows, and 13.8 $Mm^3$ flows into the open pits via passive drainage and meteoric inputs (Table 5-8). Therefore, the total volume required to fill the WT and IVR Pit complexes, including the Whale Tail North Basin to the closure elevation, is 82.9 $Mm^3$.

**Table 5-8:**
**Active Closure Mine Void Flooding Sequence and Pumped Water Sources**

| **Pumped To:** | **Underground** | | **IVR Pit** | | | **WT Pit** | | **WT/IVR Pit Complex** | | **WT N. Basin** | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pumped From:** | **IVR Pit[1]** | **WT S. Basin** | **WT WRCP** | **O-WTP[2]** | **WT S. Basin** | **WT WRCP** | **WT S. Basin** | **WT WRCP** | **WT S. Basin** | **WT WRCP** | **WT S. Basin** |
| **Year** | **$m^3$** | | | | | | | | | | |
| 2028 | 1,128,000 | 548,160 | 38,640 | 94,711 | 4,590,840 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2029 | 0 | 0 | 209,760 | 284,092 | 3,643,864 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2030 | 0 | 0 | 126,960 | 228,281 | 2,795,225 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2031 | 0 | 0 | 55,200 | 223,393 | 556,080 | 49,680 | 2,315,729 | 0 | 0 | 0 | 0 |
| 2032 | 0 | 0 | 0 | 280,356 | 0 | 160,080 | 3,538,031 | 0 | 0 | 0 | 0 |
| 2033 | 0 | 0 | 0 | 306,939 | 0 | 287,040 | 3,508,068 | 0 | 0 | 0 | 0 |
| 2034 | 0 | 0 | 0 | 0 | 0 | 198,720 | 3,169,120 | 0 | 0 | 0 | 0 |
| 2035 | 0 | 0 | 0 | 0 | 0 | 242,880 | 3,461,166 | 0 | 0 | 0 | 0 |
| 2036 | 0 | 0 | 0 | 0 | 0 | 226,320 | 3,110,984 | 0 | 0 | 0 | 0 |
| 2037 | 0 | 0 | 0 | 0 | 0 | 264,960 | 3,970,976 | 0 | 0 | 0 | 0 |
| 2038 | 0 | 0 | 0 | 0 | 0 | 204,240 | 2,605,116 | 0 | 0 | 0 | 0 |
| 2039 | 0 | 0 | 0 | 0 | 0 | 220,800 | 3,007,329 | 33,120 | 164,130 | 0 | 0 |
| 2040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 215,280 | 3,089,269 | 0 | 0 |
| 2041 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 220,800 | 3,246,468 | 0 | 0 |
| 2042 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 276,000 | 4,108,538 | 0 | 0 |
| 2043 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 264,960 | 3,653,715 | 0 | 0 |
| 2044 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 165,600 | 2,757,668 | 55,200 | 566,227 |
| 2045 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 182,160 | 2,080,753 |
| 2046 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38,640 | 265,564 |
| **Total** | **1,128,000** | **548,160** | **430,560** | **1,417,772** | **11,586,008** | **1,854,720** | **28,686,519** | **1,175,760** | **17,019,789** | **276,000** | **2,912,543** |

**Notes:**
[1] Total volume comprised of underground mine water stored in GSP-1 and IVR Pit East Lobe and contact water from IVR Attenuation Pond.
[2] Represents the conjoined Whale Tail and IVR Pit complex above the 123 m sill elevation.

**Table 5-9:**
**Active Closure Mine Void Inflows from Pit Wall and Natural Catchment Runoff, and Adjacent Reservoir Inflows**

| Year | IVR Pit | | WT Pit | | | | |
|---|---|---|---|---|---|---|---|
| | Catchment Runoff | Uncaptured Pit Wall Runoff | Catchment Runoff | GW Inflow | Uncaptured Pit Wall Runoff | IVR Pit Overflow | WT Attenuation Pond Overflow |
| 2028 | 93,764 | 39,027 | 53,787 | 624,260 | 67,680 | 0 | 0 |
| 2029 | 278,579 | 12,448 | 50,950 | 0 | 34,195 | 0 | 141,589 |
| 2030 | 278,571 | 9,750 | 50,516 | 0 | 36,196 | 0 | 314,535 |
| 2031 | 269,368 | 7,013 | 66,991 | 0 | 28,522 | 182,575 | 490,407 |
| 2032 | 283,860 | 7,602 | 107,970 | 0 | 27,895 | 512,803 | 573,025 |
| 2033 | 355,696 | 9,346 | 170,096 | 4 | 30,568 | 593,138 | 566,666 |
| 2034 | 273,175 | 21,416 | 145,804 | 1,568 | 62,918 | 203,739 | 696,287 |
| 2035 | 314,122 | 23,327 | 175,004 | 3,588 | 63,023 | 256,822 | 812,965 |
| 2036 | 285,532 | 21,522 | 171,898 | 71,910 | 52,908 | 206,863 | 660,328 |
| 2037 | 335,510 | 25,283 | 228,925 | 646,328 | 53,232 | 270,155 | 611,335 |
| 2038 | 258,548 | 20,278 | 174,556 | 1,339,998 | 37,299 | 169,601 | 0 |
| 2039 | 279,984 | 21,513 | 200,956 | 974,220 | 33,229 | 212,679 | 0 |
| 2040 | 271,763 | 18,953 | 205,509 | 0 | 29,492 | 193,466 | 0 |
| 2041 | 313,032 | 16,244 | 248,294 | 0 | 23,528 | 218,332 | 0 |
| 2042 | 410,497 | 15,661 | 339,521 | 0 | 25,561 | 315,329 | 0 |
| 2043 | 339,147 | 9,959 | 272,518 | 0 | 16,484 | 231,876 | 0 |
| 2044 | 344,444 | 7,739 | 277,572 | 0 | 12,583 | 216,552 | 0 |
| 2045 | 199,592 | 2,024 | 156,362 | 0 | 4,608 | 110,077 | 0 |
| 2046 | 408,593 | 2,155 | 333,608 | 0 | 4,501 | 232,104 | 0 |
| **Total** | **5,593,779** | **291,258** | **3,430,839** | **3,661,874** | **644,425** | **4,126,110** | **4,867,137** |

# 6. Water Quality Model Results

AGNICO EAGLE

# 6. Water Quality Model Results

Water quality model results for mine site water, treated effluent from the O-WTP, and receiving lakes during Operations, Active Closure, and Post-Closure are presented in this section. Model predictions represent monthly mean values, and all constituents are presented as dissolved concentrations similar to the 2018 Final Environmental Impact Statement (FEIS) model (Golder, 2018b).

Effluent predictions at the end of pipe of the O-WTP are screened against the NWB Water License/MDMER effluent limits during Operations. Water quality predictions in the receiving environment and downstream lakes are compared against the following criteria throughout all mine phases:

- Long-term water quality guidelines for the protection of aquatic life established by the Canadian Council of Ministers of the Environment (CCME); and,
- Site-specific water quality objective (SSWQO) of 0.025 mg/L for arsenic

The full water quality model results screened against relevant guidelines and summary statistics are provided in Appendix D. Overall, the results show that all parameters are predicted to remain below their respective guidelines. Time series predictions for phosphorus and arsenic are presented in the following sections and compared against previous model results (Golder, 2018b; Lorax, 2023) for the receiving environment and downstream lakes.

## 6.1 Operations

During Operations, all surface contact water generated from mine facilities is collected and routed through a series of sumps and attenuation ponds and treated by the O-WTP prior to discharge to the receiving environment. Phosphorus and arsenic predictions in open pit sumps (Whale Tail Pit and IVR Pit), attenuation ponds (Whale Tail Attenuation Pond, IVR Attenuation Pond), O-WTP treated effluent, and receiving lakes are presented in the following subsections.

### 6.1.1 Whale Tail Pit

Phosphorous and arsenic concentrations in the Whale Tail Pit are predicted to vary seasonally during Operations (Figure 6-1). In the winter there is no pit wall runoff, resulting in proportionally higher groundwater seepage inflows through the south wall, which has relatively low arsenic concentrations. In the summer, increased runoff from the pit wall and surrounding catchments is expected to result in temporary increases in arsenic concentrations and decreases in phosphorus concentrations.

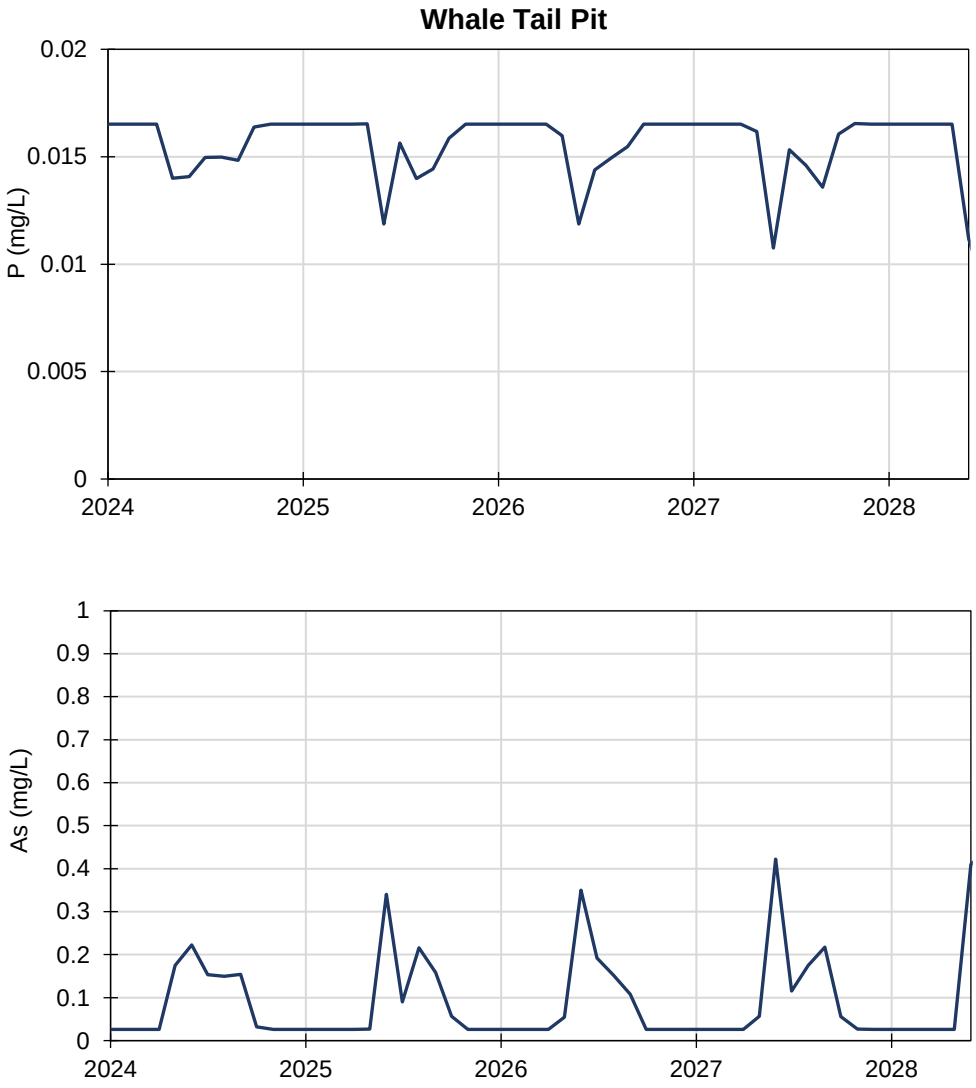



**Figure 6-1: Predicted phosphorous (P) and arsenic (As) concentrations for the Whale Tail Pit during Operations in the Whale Tail ELOM model.**

### 6.1.2 IVR Pit

Phosphorous and arsenic loadings to the IVR Pit are dominated by pit wall runoff and gravity drainage from surrounding catchments. Phosphorous and arsenic concentrations are predicted to exhibit limited variability through Operations, with predicted phosphorous concentrations of approximately 0.002 mg/L, and arsenic concentrations between 3.4 and 4.6 mg/L (Figure 6-2).

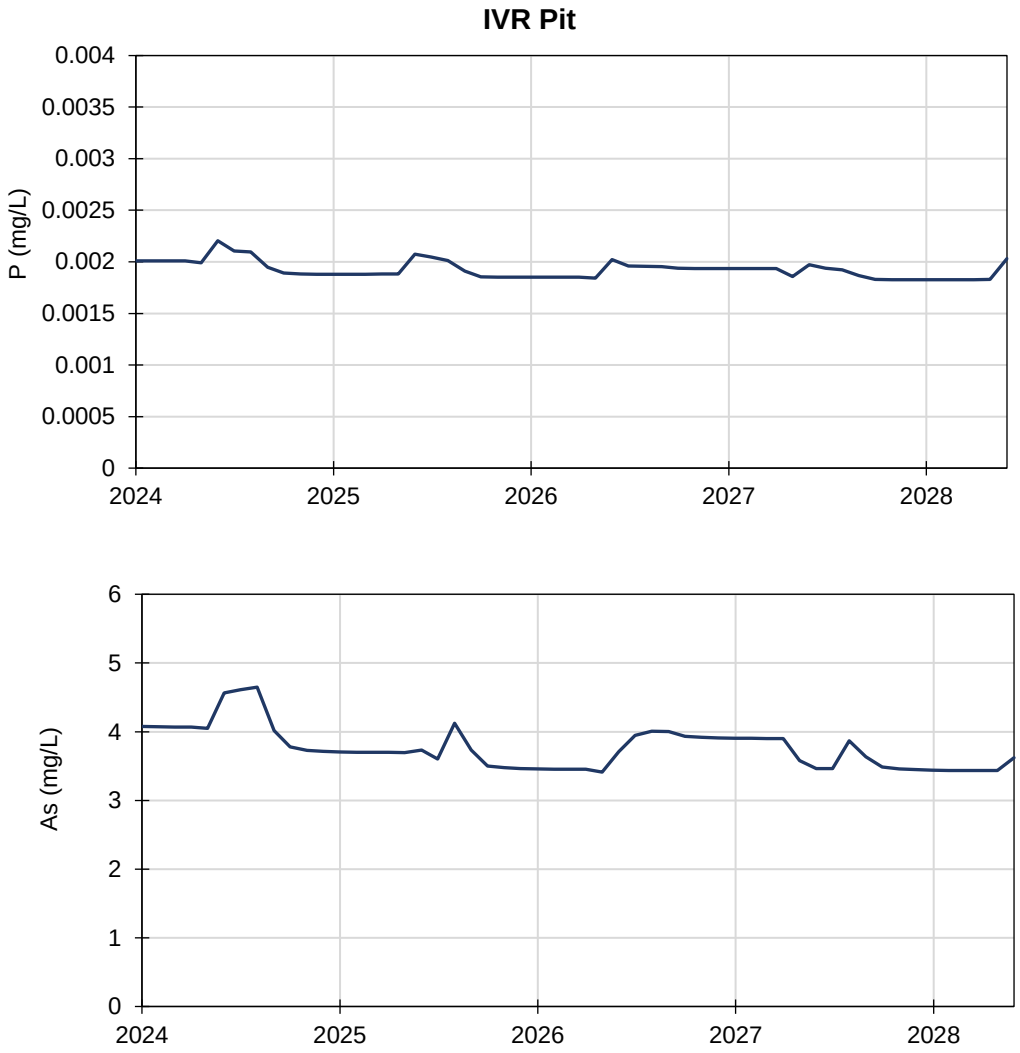



**Figure 6-2: Predicted phosphorous (P) and arsenic (As) concentrations for the Whale Tail Pit during Operations in the Whale Tail ELOM model.**

### 6.1.3 Attenuation Ponds and O-WTP Effluent Discharge

Surface contact water generated from mine facilities during Operations is collected in the Whale Tail and IVR attenuation ponds and routed to the O-WTP for treatment. During Operations, pumped flows from the IVR Pit and Whale Tail Pit represent a major source of arsenic in the attenuation ponds. The IVR Attenuation Pond receives contact water from the IVR Pit and Whale Tail Pushback, as well as some flows from the Whale Tail Attenuation Pond, which results in higher predicted concentrations in the IVR attenuation ponds relative to the Whale Tail Attenuation Pond (Figure 6-3).

Phosphorus concentrations are predicted to be similar in either pond during Operations. Overall, effluent discharged to the O-WTP is predicted to meet the NWB Water License/MDMER effluent limits for all parameters (Table 6-1).

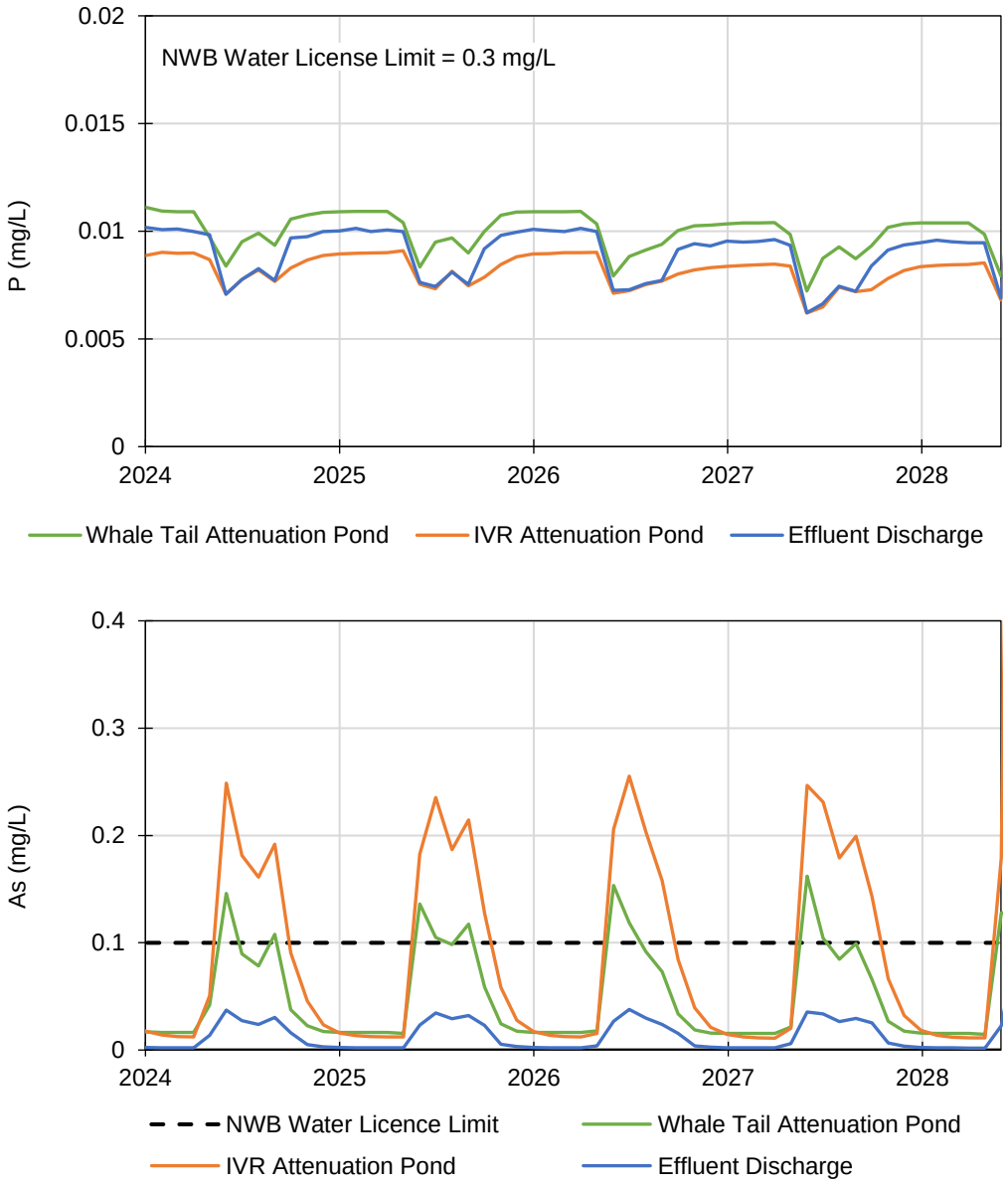



**Figure 6-3: Predicted phosphorous (P) and arsenic (As) concentrations in the Whale Tail Attenuation Pond, IVR Attenuation Pond, and the treated O-WTP effluent during Operations in the Whale Tail ELOM model.**

**Table 6-1:**
**Maximum End-Of-Pipe Predictions during Operations (Jan.2024-Jun.2028)**

| Constituents | Units | End of Pipe Discharge to Whale Tail South Basin | End of Pipe Discharge to Kangislulik Lake | *NWB Water License/MDMER (End-of-Pipe)* |
|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 168 | 265 | *1400* |
| Ammonia-N | mg/L | 0.91 | 1.75 | *16* |
| Nitrate-N | mg/L | 1.3 | 3.3 | - |
| Nitrite-N | mg/L | 0.071 | 0.19 | - |
| Chloride | mg/L | 33 | 35 | - |
| Fluoride | mg/L | 0.14 | 0.17 | - |
| Sulphate | mg/L | 72 | 134 | - |
| Silver | mg/L | 0.000016 | 0.000022 | - |
| Aluminum | mg/L | 0.012 | 0.041 | *0.5* |
| Arsenic | mg/L | 0.013 | 0.038 | *0.1* |
| Boron | mg/L | 0.029 | 0.026 | - |
| Barium | mg/L | 0.054 | 0.054 | - |
| Beryllium | mg/L | 0.000082 | 0.000084 | - |
| Calcium | mg/L | 40 | 61 | - |
| Cadmium | mg/L | 0.000022 | 0.000040 | *0.002* |
| Cobalt | mg/L | 0.00052 | 0.00061 | - |
| Chromium | mg/L | 0.00044 | 0.00046 | *0.02* |
| Copper | mg/L | 0.0018 | 0.0030 | *0.1* |
| Iron | mg/L | 0.23 | 0.18 | *1* |
| Mercury | mg/L | 0.0000085 | 0.000015 | *0.004* |
| Potassium | mg/L | 6.2 | 6.8 | - |
| Lithium | mg/L | 0.0047 | 0.0046 | - |
| Magnesium | mg/L | 8.4 | 12 | - |
| Manganese | mg/L | 0.23 | 0.55 | - |
| Molybdenum | mg/L | 0.0052 | 0.0084 | - |
| Sodium | mg/L | 4.9 | 4.9 | - |
| Nickel | mg/L | 0.025 | 0.061 | *0.25* |
| Phosphorus | mg/L | 0.010 | 0.0091 | *0.3* |
| Lead | mg/L | 0.00018 | 0.00019 | *0.05* |
| Antimony | mg/L | 0.0012 | 0.0020 | - |
| Selenium | mg/L | 0.00062 | 0.00085 | - |
| Strontium | mg/L | 0.23 | 0.22 | - |
| Thallium | mg/L | 0.0000082 | 0.000015 | - |
| Uranium | mg/L | 0.0011 | 0.0012 | - |
| Vanadium | mg/L | 0.0027 | 0.0024 | - |
| Zinc | mg/L | 0.0037 | 0.0041 | *0.1* |
| Radium 226 | Bq/L | 0.023 | 0.018 | *0.37* |

### 6.1.4 Receiving Environment and Downstream Lakes

Treated effluent is pumped from the O-WTP to the Whale Tail South Basin during winter months (typically October to June), and to Kangislulik Lake during summer months (typically May to September), with some overlap during the seasonal transition. Phosphorus and arsenic predictions in the receiving environment and downstream lakes during Operations are presented below, with comparisons made to the 2018 FEIS model (Golder, 2018b).

The ELOM model shows lower phosphorous predictions compared to the 2018 FEIS model (Figure 6-4). The reduced phosphorous predictions as compared to the FEIS model are due to updates to the phosphorous source terms and the inclusion of a phosphorous decay function based on site monitoring data (Appendix C).

Arsenic predictions in the ELOM model are highest in Kangislulik Lake since it receives O-WTP treated effluent during the open water season (Figure 6-5) when arsenic concentrations in mine contact water are relatively high due to pit wall runoff. In contrast, the 2018 FEIS model assumed that treated effluent would be discharged to Kangislulik Lake until May 2021, and to the Whale Tail South Basin from June 2021 to the end of Operations (Golder, 2018b). The 2018 FEIS model assumption resulted in elevated arsenic predictions in the Whale Tail South Basin compared to Kangislulik Lake (Figure 6-5).

Regardless of the difference in effluent discharge strategy between the 2018 FEIS and ELOM models, current model results show an overall decline in phosphorus and arsenic concentrations with distance from the point of effluent discharge to lakes further downstream (*e.g.*, Lake A15, DS1 and DS2). Overall, predictions in the receiving environment and downstream lakes are below their respective guidelines for all parameters in the ELOM model for the remaining years of Operations (Table 6-2 and Appendix D).

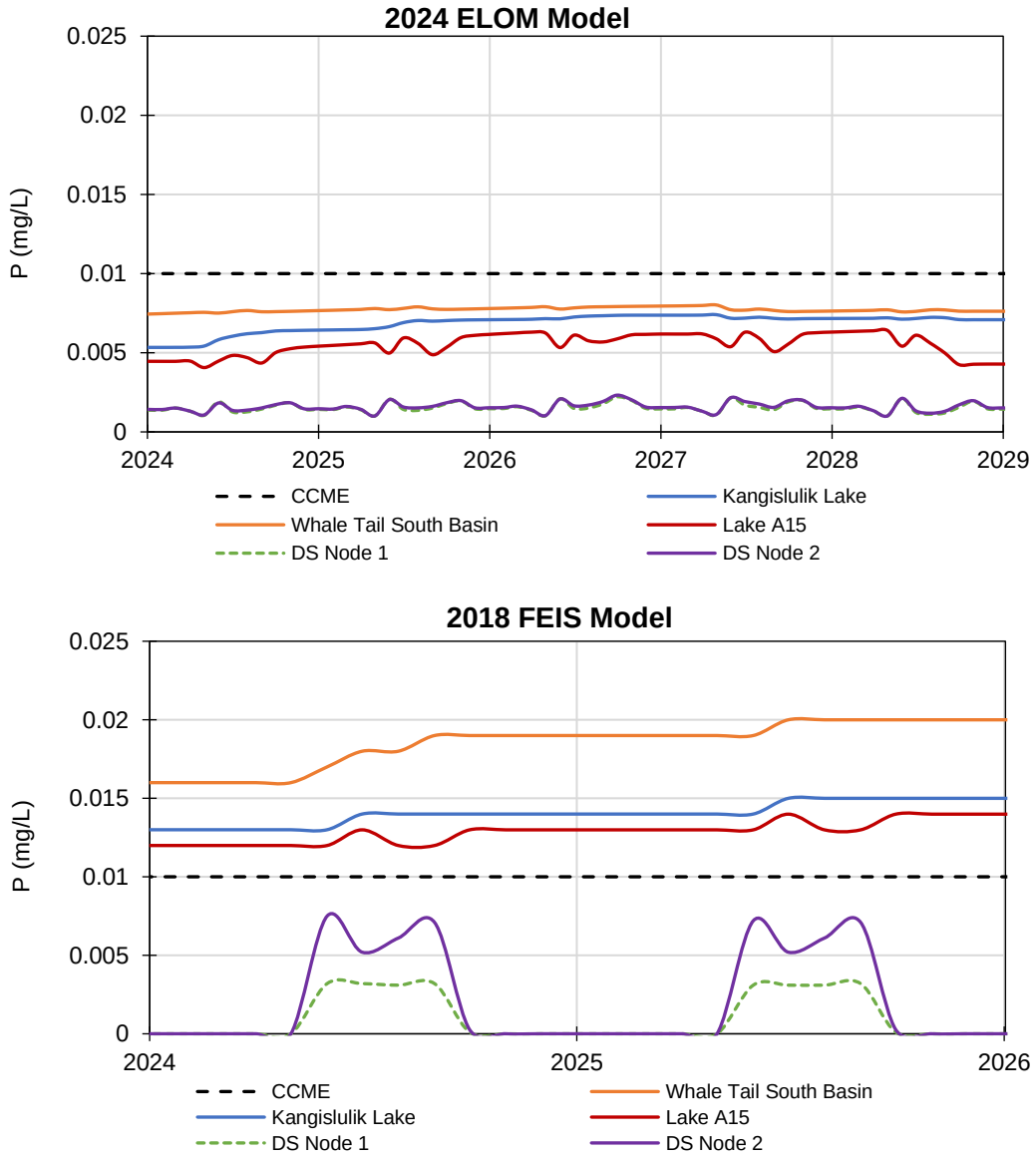



**Figure 6-4: Predicted phosphorous (P) concentrations for the receiving environment and downstream lakes during Operations in the Whale Tail ELOM model as compared to the 2018 FEIS model.**

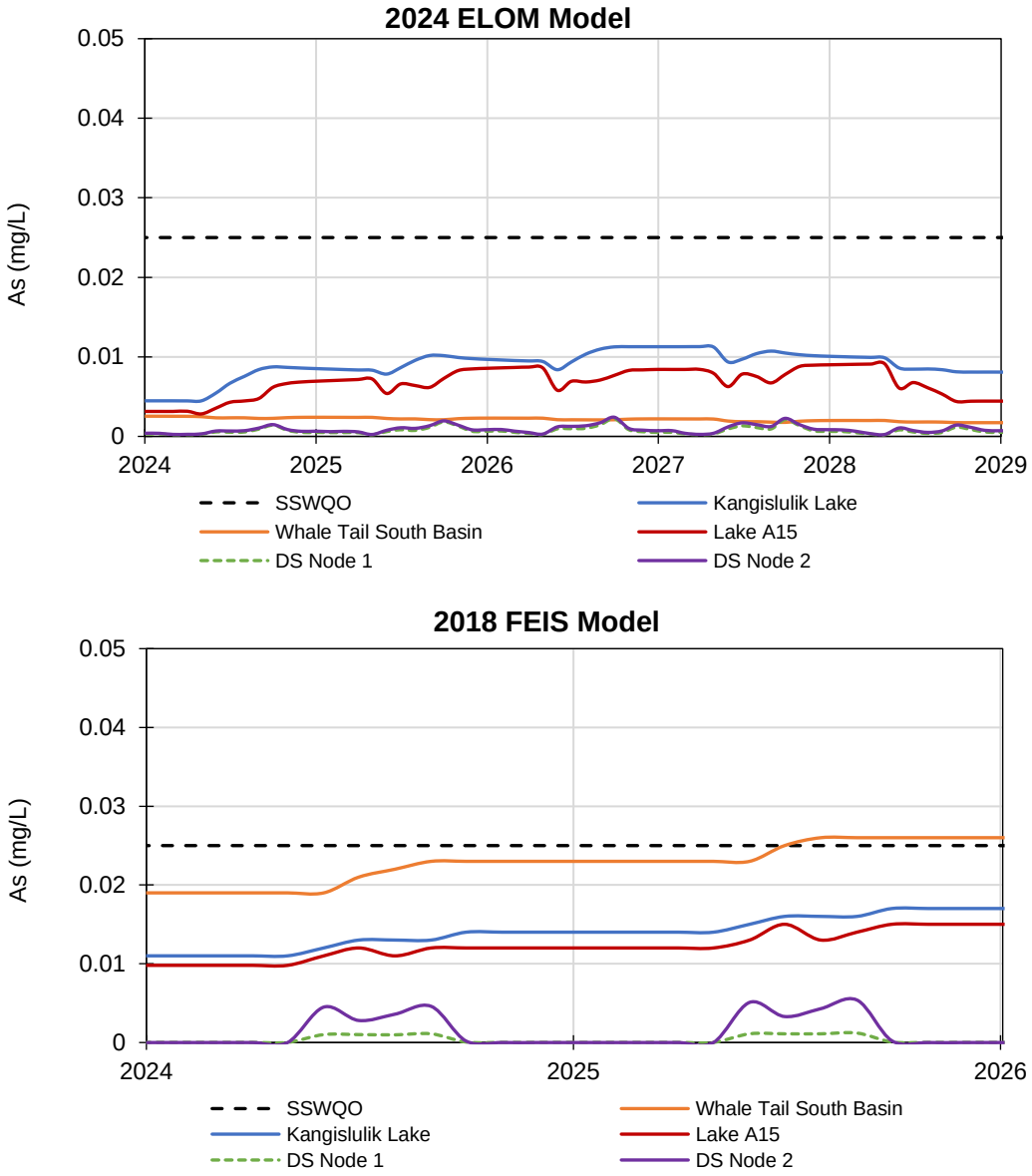



**Figure 6-5: Predicted arsenic (As) concentrations for the receiving environment and downstream lakes during Operations in the Whale Tail ELOM model as compared to the 2018 FEIS model.**

**Table 6-2:**
**Maximum Monthly Predictions in the Receiving Environment and Downstream Lakes during Operations (Jan. 2024-Jun. 2028)**

| Constituents | Units | Kangislulik Lake | Whale Tail South Basin | Lake A15 | Lake A12 | Lake A76 | Downstream Node 1 | Downstream Node 2 | *CCME/ SSWQO* |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 165 | 109 | 141 | 119 | 55 | 45 | 47 | - |
| Total Ammonia-N[1] | mg/L | 0.33 | 0.10 | 0.28 | 0.23 | 0.10 | 0.069 | 0.076 | *0.58* |
| Nitrate-N | mg/L | 1.9 | 0.82 | 1.5 | 1.2 | 0.51 | 0.38 | 0.40 | *2.93* |
| Nitrite-N | mg/L | 0.0041 | 0.0028 | 0.0028 | 0.0018 | 0.00082 | 0.00060 | 0.0006 | *0.06* |
| Chloride | mg/L | 40 | 24 | 31 | 26 | 12 | 10 | 10 | *120* |
| Fluoride | mg/L | 0.10 | 0.076 | 0.089 | 0.079 | 0.039 | 0.036 | 0.036 | *0.12* |
| Sulphate | mg/L | 49 | 20 | 40 | 33 | 15 | 11 | 12 | - |
| Silver | mg/L | 0.000013 | 0.0000093 | 0.000012 | 0.000010 | 0.0000049 | 0.0000050 | 0.0000050 | *0.00025* |
| Aluminum | mg/L | 0.014 | 0.011 | 0.012 | 0.011 | 0.0052 | 0.0049 | 0.0049 | *0.1* |
| Arsenic | mg/L | 0.011 | 0.0025 | 0.0091 | 0.008 | 0.0033 | 0.0022 | 0.0024 | *0.025* |
| Boron | mg/L | 0.027 | 0.014 | 0.020 | 0.017 | 0.0081 | 0.0070 | 0.0071 | *1.5* |
| Barium | mg/L | 0.042 | 0.030 | 0.036 | 0.031 | 0.014 | 0.012 | 0.012 | - |
| Beryllium | mg/L | 0.000083 | 0.000048 | 0.000064 | 0.000052 | 0.000024 | 0.000019 | 0.000020 | - |
| Calcium | mg/L | 31 | 20 | 27 | 23 | 11 | 8.4 | 8.8 | - |
| Cadmium | mg/L | 0.000015 | 0.0000069 | 0.000012 | 0.000011 | 0.0000049 | 0.0000049 | 0.0000047 | *variable* |
| Cobalt | mg/L | 0.0039 | 0.0016 | 0.0024 | 0.0020 | 0.00091 | 0.00066 | 0.00070 | - |
| Chromium[2] | mg/L | 0.00073 | 0.00046 | 0.00055 | 0.00044 | 0.00020 | 0.00017 | 0.00017 | *0.001-0.0089* |
| Copper | mg/L | 0.0014 | 0.00093 | 0.0012 | 0.0011 | 0.00051 | 0.00044 | 0.00045 | *variable* |
| Iron | mg/L | 0.12 | 0.12 | 0.10 | 0.086 | 0.039 | 0.031 | 0.033 | *0.3* |
| Mercury | mg/L | 0.0000068 | 0.0000049 | 0.0000062 | 0.0000055 | 0.0000026 | 0.0000025 | 0.0000026 | *0.000026* |
| Potassium | mg/L | 6.1 | 3.6 | 4.7 | 4.0 | 1.8 | 1.5 | 1.5 | - |
| Lithium | mg/L | 0.0062 | 0.0041 | 0.0045 | 0.0038 | 0.0017 | 0.0014 | 0.0014 | - |
| Magnesium | mg/L | 6.4 | 3.8 | 5.6 | 4.7 | 2.2 | 1.9 | 1.9 | - |
| Manganese | mg/L | 0.16 | 0.11 | 0.13 | 0.11 | 0.056 | 0.035 | 0.039 | *variable* |
| Molybdenum | mg/L | 0.0038 | 0.0025 | 0.0032 | 0.0026 | 0.0011 | 0.00082 | 0.0009 | *0.073* |
| Sodium | mg/L | 5.4 | 2.9 | 4.1 | 3.5 | 1.6 | 1.3 | 1.3 | - |
| Nickel | mg/L | 0.019 | 0.0057 | 0.015 | 0.013 | 0.0055 | 0.0039 | 0.0042 | *variable* |
| Phosphorus | mg/L | 0.0074 | 0.0080 | 0.0064 | 0.0058 | 0.0028 | 0.0022 | 0.0023 | *0.01* |
| Lead | mg/L | 0.00012 | 0.000085 | 0.00017 | 0.00018 | 0.000077 | 0.00026 | 0.00022 | *variable* |
| Antimony | mg/L | 0.0029 | 0.00092 | 0.0021 | 0.0016 | 0.00071 | 0.00052 | 0.00055 | - |
| Selenium | mg/L | 0.00038 | 0.00021 | 0.00031 | 0.00026 | 0.00012 | 0.00009 | 0.000094 | *0.001* |
| Strontium | mg/L | 0.26 | 0.15 | 0.19 | 0.16 | 0.071 | 0.057 | 0.059 | - |
| Thallium | mg/L | 0.000023 | 0.000014 | 0.000019 | 0.000016 | 0.0000079 | 0.0000062 | 0.0000062 | *0.0008* |
| Uranium | mg/L | 0.00075 | 0.00049 | 0.00063 | 0.00051 | 0.00022 | 0.00016 | 0.00018 | *0.015* |
| Vanadium | mg/L | 0.0025 | 0.0012 | 0.0018 | 0.0015 | 0.00070 | 0.00057 | 0.00058 | - |
| Zinc | mg/L | 0.0046 | 0.0029 | 0.0037 | 0.0032 | 0.0016 | 0.0016 | 0.0016 | *variable* |
| Radium 226 | Bq/L | 0.0062 | 0.0049 | 0.0048 | 0.0039 | 0.0019 | 0.0013 | 0.0014 | - |

**Note:**
CCME = Canadian Environmental Quality Guidelines, Canadian Council of Ministers of the Environment
SSWQO = Site Specific Water Quality Objective
Variable guidelines are dependent on predicted hardness, pH, temperature, and DOC
1. The CCME guideline for total ammonia conservatively assumes pH of 8 and temperature of 15°C.
2. The CCME guidelines for Cr include both Cr(VI) 0.001 mg/L and Cr(III) 0.0089 mg/L. Given that Cr is expected to be present primarily as Cr (III) in mine water, model predictions are compared against the CCME Cr(III) guideline for initial screening.

## 6.2 Active Closure and Post-Closure

In the ELOM model, active flooding of the underground mine voids and pit lakes spans the period from July 2028 through June 2046 (Active Closure). The Whale Tail North Basin is filled to its final water level of 153.5 m by July 2046, which marks the onset of Post-Closure. Phosphorus and arsenic predictions in the flooding pit lake complexes and downstream lakes are presented in the following subsections.

### 6.2.1 Pit Lakes

Groundwater collected in IVR Pit at the end of mine life is pumped into the underground voids. A rapid improvement in water quality is predicted in the IVR Pit due to the removal of groundwater and initiation of active flooding in July 2028. In the first six years of Active Closure, site contact water is collected in the IVR Attenuation Pond, treated, and discharged into the IVR Pit. This includes 65% of pit wall runoff from the IVR Pit and Whale Tail Pit.

After IVR Pit flooding is completed in 2031, arsenic concentrations (Figure 6-6) start increasing again due to exposure to the remaining IVR Pit walls. This trend persists until the IVR Pit and Whale Tail Pit join above the 123 m sill elevation and form the Whale Tail IVR Complex in 2039.

The Whale Tail-IVR Complex starts contributing to the Whale Tail North Basin in September 2044, when water levels reach 150.5 m, and the pit lake complex conjoins with the Whale Tail Attenuation Pond. Phosphorus concentrations predicted in the Whale Tail North Basin remain below the upper limit of the oligotrophic range throughout the closure phases (Figure 6-6). Arsenic concentrations are expected to be less than the SSWQO by the end of Active Closure, with values continuing to decline during Post-Closure (modelled out to 2069).

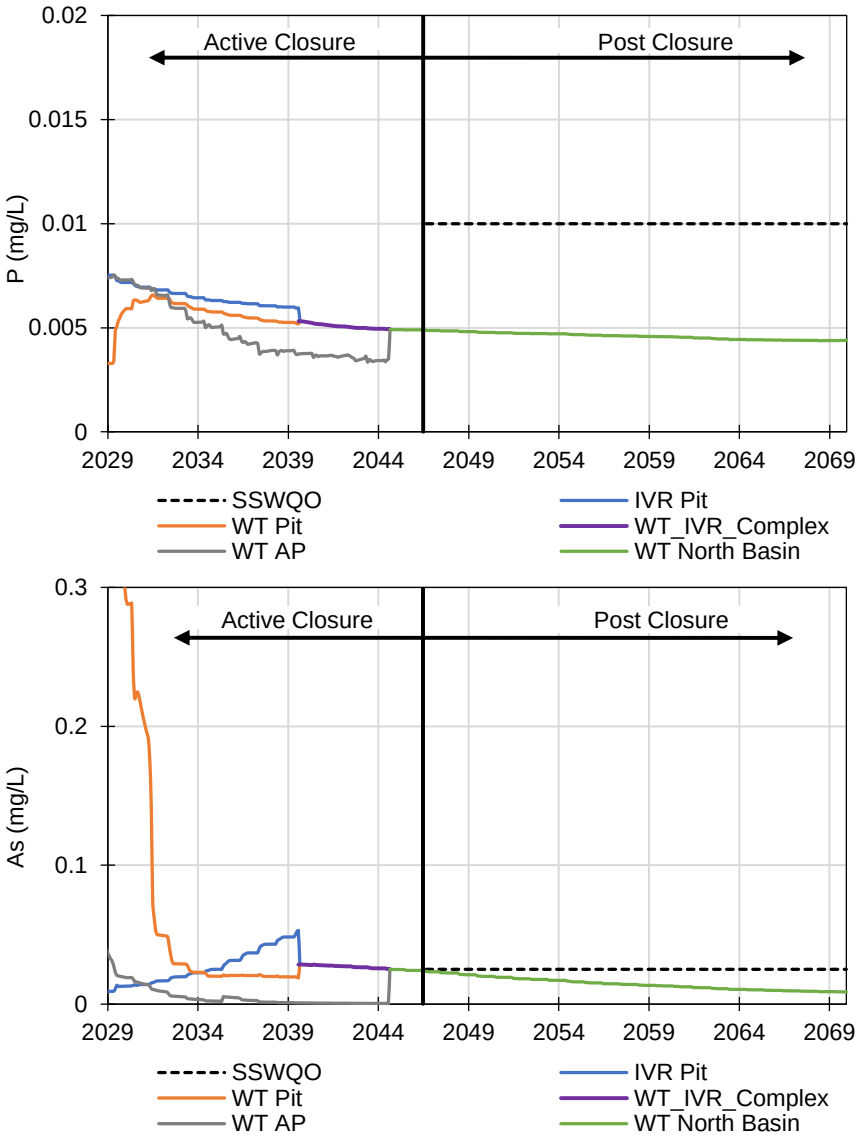



**Figure 6-6: Projected phosphorus (P) and arsenic (As) concentrations for pit lakes and the Whale Tail Attenuation Pond during Active Closure and Post-Closure in the ELOM model. The Whale Tail North Basin is comprised of the Whale Tail Pit, IVR Pit, Whale Tail Attenuation Pond, and Kangislulik Lake from September 2044 onwards.**

### 6.2.2 Receiving Environment and Downstream Lakes

Water quality in the Whale Tail South Basin, Kangislulik Lake is expected to improve as mine discharges cease at the end of mine life. A declining trend is also predicted for phosphorus (Figure 6-7) and arsenic concentrations (Figure 6-8) in the closure lakes under the 2018 FEIS and ELOM model scenarios during the active closure period.

An increase in arsenic concentrations is predicted at the beginning of Post-Closure in Kangislulik Lake and Lake A15 (Figure 6-8) due to overflows from the flooded Whale Tail North Basin starting in July 2046. However, the impact of arsenic loadings from flooded pit lakes on the receiving environment is expected to be short-lived. For the remainder of the model horizon (up to 2069 in the ELOM model), arsenic concentrations are expected to decrease as non-contact flows from surrounding catchments report to the lakes. Overall, the ELOM model results show that all parameters are below their respective guidelines in the receiving lakes during Post-Closure (Table 6-3 and Appendix D).

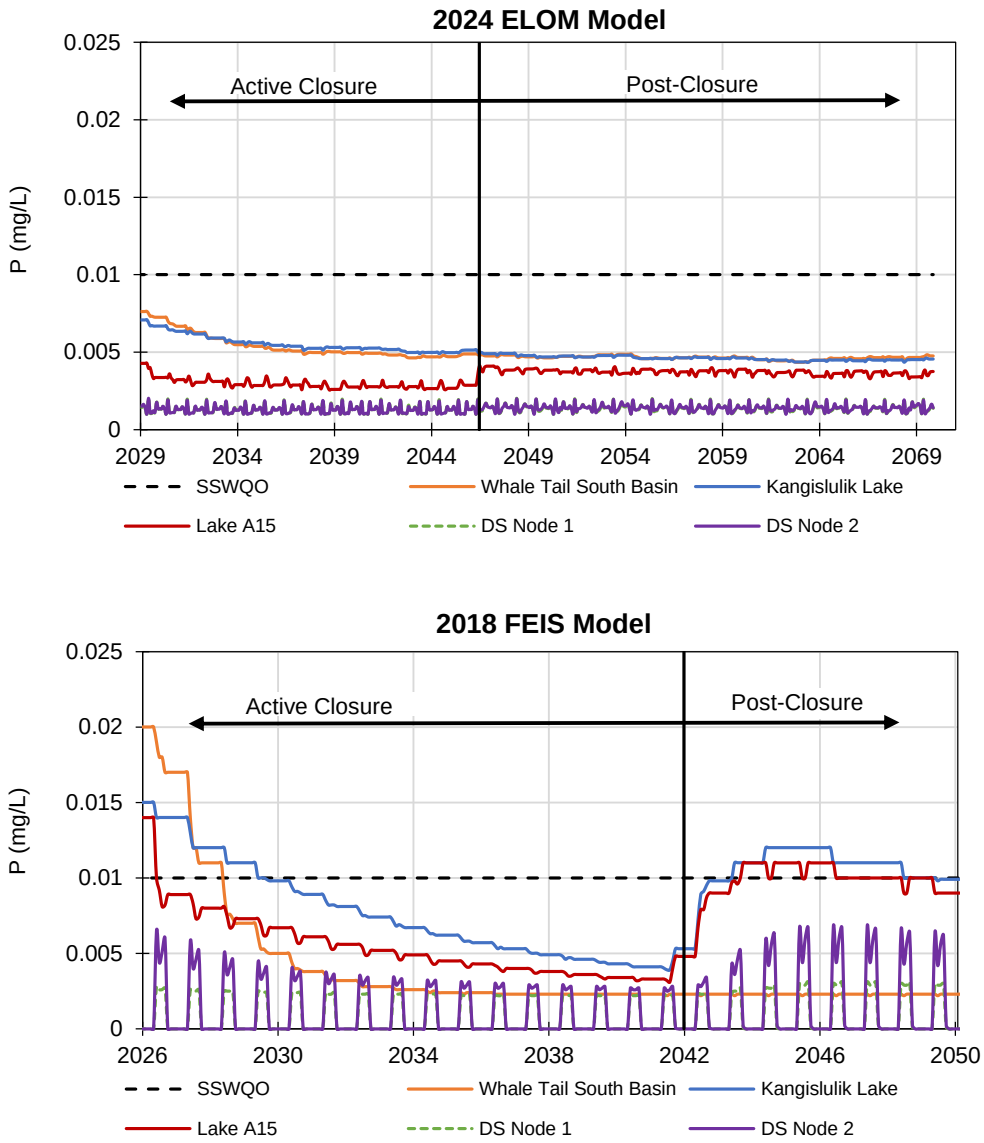



**Figure 6-7: Predicted phosphorous (P) concentrations for the receiving environment and downstream lakes during Active Closure and Post-Closure in the ELOM model as compared to the 2018 FEIS model.**

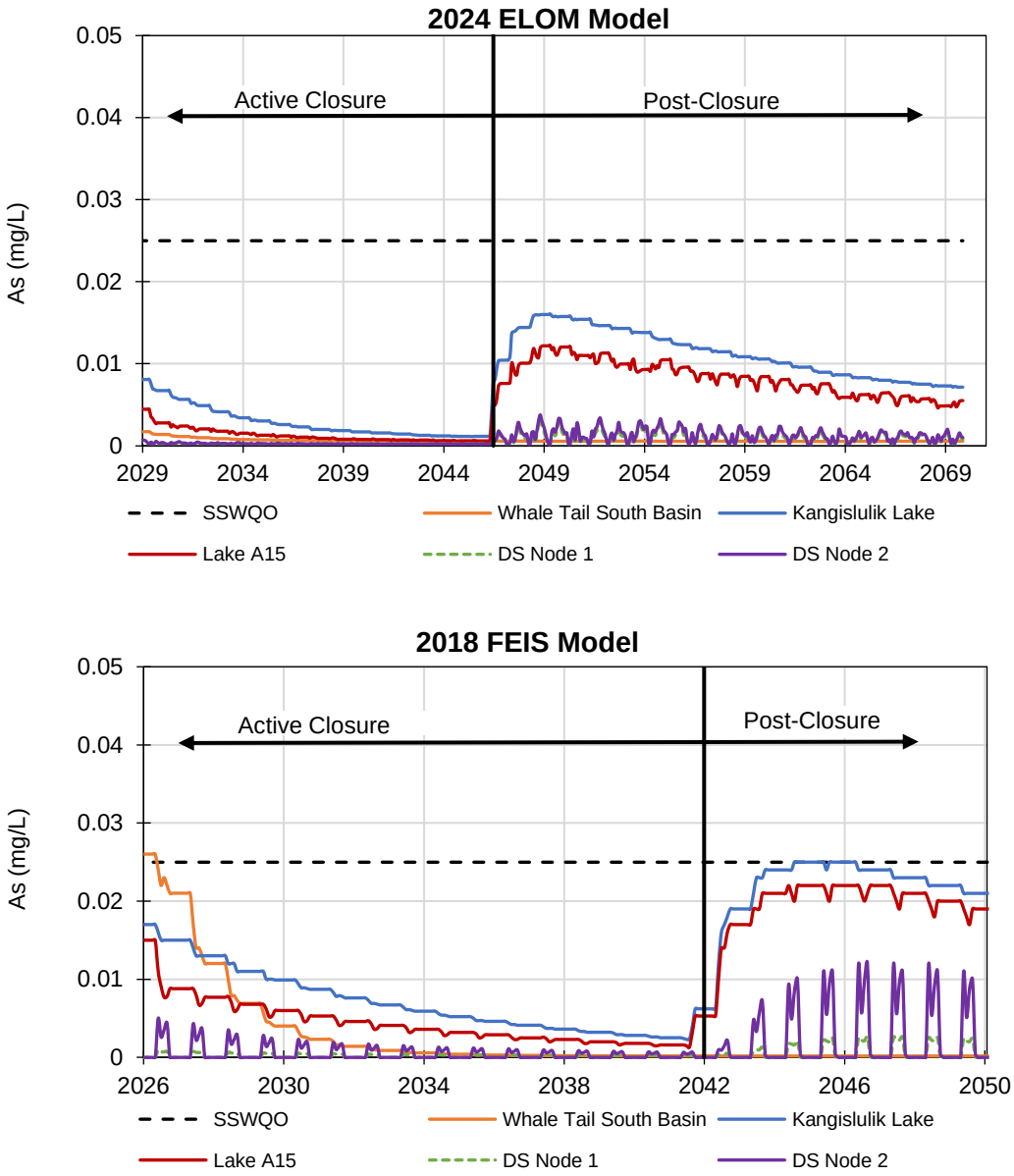



**Figure 6-8: Predicted arsenic (As) concentrations for the receiving environment and downstream lakes during Active Closure and Post-Closure in the ELOM model as compared to the 2018 FEIS model.**

**Table 6-3:**
**Maximum Monthly Predictions in the Receiving Environment and Downstream Lakes during Post Closure (July 2046 onwards)**

| Constituents | Units | Kangislulik Lake | Whale Tail South Basin | Whale Tail North Basin | Lake A15 | Lake A12 | Lake A76 | Downstream Node 1 | Downstream Node 2 | *CCME/ SSWQO* |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 127 | 58 | 79 | 102 | 102 | 45 | 36 | 37 | - |
| Total Ammonia-N[1] | mg/L | 0.0047 | 0.0086 | 0.0010 | 0.0059 | 0.0059 | 0.0035 | 0.013 | 0.013 | *0.58* |
| Nitrate-N | mg/L | 0.45 | 0.10 | 0.17 | 0.34 | 0.34 | 0.14 | 0.091 | 0.10 | *2.93* |
| Nitrite-N | mg/L | 0.0011 | 0.00053 | 0.00060 | 0.0010 | 0.0010 | 0.0004 | 0.00050 | 0.00050 | *0.06* |
| Chloride | mg/L | 25 | 12 | 13 | 21 | 21 | 9.2 | 7.2 | 7.4 | *120* |
| Fluoride | mg/L | 0.065 | 0.043 | 0.061 | 0.056 | 0.056 | 0.027 | 0.034 | 0.034 | *0.12* |
| Sulphate | mg/L | 18 | 4.6 | 21 | 15 | 15 | 6.6 | 5.1 | 5.3 | - |
| Silver | mg/L | 0.0000061 | 0.0000053 | 0.0000062 | 0.0000058 | 0.0000058 | 0.0000030 | 0.0000050 | 0.0000050 | *0.00025* |
| Aluminum | mg/L | 0.014 | 0.0074 | 0.013 | 0.012 | 0.012 | 0.0048 | 0.0056 | 0.0055 | *0.1* |
| Arsenic | mg/L | 0.016 | 0.00058 | 0.024 | 0.012 | 0.012 | 0.0051 | 0.0034 | 0.0038 | *0.025* |
| Boron | mg/L | 0.0061 | 0.0053 | 0.0063 | 0.0058 | 0.0058 | 0.0030 | 0.0050 | 0.0050 | *1.5* |
| Barium | mg/L | 0.028 | 0.015 | 0.019 | 0.023 | 0.023 | 0.011 | 0.010 | 0.010 | - |
| Beryllium | mg/L | 0.000013 | 0.000011 | 0.000014 | 0.000013 | 0.000013 | 0.0000063 | 0.000010 | 0.000010 | - |
| Calcium | mg/L | 17 | 8.2 | 14 | 14 | 14 | 6.1 | 5.1 | 5.2 | - |
| Cadmium | mg/L | 0.0000062 | 0.0000028 | 0.0000075 | 0.0000059 | 0.0000059 | 0.0000026 | 0.0000054 | 0.0000049 | *variable* |
| Cobalt | mg/L | 0.00014 | 0.000062 | 0.00015 | 0.00012 | 0.00012 | 0.000055 | 0.000051 | 0.000051 | - |
| Chromium[2] | mg/L | 0.00020 | 0.00021 | 0.00022 | 0.00017 | 0.00017 | 0.000079 | 0.000095 | 0.000092 | *0.001-0.0089* |
| Copper | mg/L | 0.00094 | 0.00053 | 0.00097 | 0.00079 | 0.00079 | 0.00035 | 0.00037 | 0.00036 | *variable* |
| Iron | mg/L | 0.048 | 0.049 | 0.052 | 0.039 | 0.039 | 0.017 | 0.015 | 0.015 | *0.3* |
| Mercury | mg/L | 0.0000044 | 0.0000026 | 0.0000043 | 0.0000039 | 0.0000039 | 0.0000019 | 0.0000025 | 0.0000025 | *0.000026* |
| Potassium | mg/L | 3.2 | 1.6 | 2.0 | 2.6 | 2.6 | 1.2 | 1.0 | 1.0 | - |
| Lithium | mg/L | 0.0029 | 0.0020 | 0.0022 | 0.0023 | 0.0023 | 0.0010 | 0.00080 | 0.00083 | - |
| Magnesium | mg/L | 3.9 | 1.8 | 2.9 | 3.3 | 3.3 | 1.5 | 1.5 | 1.5 | - |
| Manganese | mg/L | 0.048 | 0.026 | 0.040 | 0.037 | 0.037 | 0.014 | 0.010 | 0.011 | *variable* |
| Molybdenum | mg/L | 0.0013 | 0.00030 | 0.0015 | 0.0010 | 0.0010 | 0.00043 | 0.00029 | 0.00032 | *0.073* |
| Sodium | mg/L | 2.2 | 1.2 | 1.3 | 1.9 | 1.9 | 0.9 | 0.91 | 0.89 | - |
| Nickel | mg/L | 0.0071 | 0.0015 | 0.0096 | 0.0055 | 0.0055 | 0.0024 | 0.0016 | 0.0018 | *variable* |
| Phosphorus | mg/L | 0.0050 | 0.0049 | 0.0049 | 0.0041 | 0.0041 | 0.0019 | 0.0020 | 0.0020 | *0.01* |
| Lead | mg/L | 0.000047 | 0.000048 | 0.000049 | 0.000154 | 0.000154 | 0.000091 | 0.00055 | 0.00048 | *variable* |
| Antimony | mg/L | 0.00026 | 0.000054 | 0.00024 | 0.00020 | 0.00020 | 0.000089 | 0.000083 | 0.000083 | - |
| Selenium | mg/L | 0.00015 | 0.000027 | 0.00012 | 0.00012 | 0.00012 | 0.000049 | 0.000041 | 0.000042 | *0.001* |
| Strontium | mg/L | 0.11 | 0.064 | 0.069 | 0.090 | 0.090 | 0.039 | 0.031 | 0.032 | - |
| Thallium | mg/L | 0.0000064 | 0.0000053 | 0.0000064 | 0.0000060 | 0.0000060 | 0.0000031 | 0.0000050 | 0.0000050 | *0.0008* |
| Uranium | mg/L | 0.00025 | 0.000080 | 0.00024 | 0.00019 | 0.00019 | 0.000081 | 0.000056 | 0.000061 | *0.015* |
| Vanadium | mg/L | 0.00042 | 0.00026 | 0.00045 | 0.00038 | 0.00038 | 0.00018 | 0.00025 | 0.00025 | - |
| Zinc | mg/L | 0.0019 | 0.0016 | 0.0019 | 0.0019 | 0.0019 | 0.00095 | 0.0021 | 0.0019 | *variable* |
| Radium 226 | Bq/L | 0.00043 | 0.000012 | 0.00063 | 0.00032 | 0.00032 | 0.00014 | 0.000089 | 0.00010 | - |

**Note:**

CCME = Canadian Environmental Quality Guidelines, Canadian Council of Ministers of the Environment
SSWQO = Site Specific Water Quality Objective
Variable guidelines are dependent on predicted hardness, pH, temperature, and DOC
1. The CCME guideline for total ammonia conservatively assumes pH of 8 and temperature of 15°C.
2. The CCME guidelines for Cr include both Cr(VI) 0.001 mg/L and Cr(III) 0.0089 mg/L. Given that Cr is expected to be present primarily as Cr (III) in mine water, model predictions are compared against the CCME Cr(III) guideline for initial screening.

# 7. Summary



AGNICO EAGLE

# 7. Summary

Agnico Eagle is currently seeking an amendment to the FEIS for the Project Certificate to include the following activities comprising the Whale Tail Mine ELOM mine plan:

- Continued temporary storage of groundwater in IVR Pit;
- Deepening of the Whale Tail and IVR underground; and,
- Continuation of mining in the Whale Tail Pit.

A water balance and water quality model was constructed to predict the movement of water and water quality for Whale Tail ELOM mine plan during Operations, Active Closure and Post Closure. The model operates on a daily time-step and is driven by a climate forcing series consisting of a representative average climatic year adjusted for the RCP6.0 climate change scenario, for a 50-year period from 2020 to 2069, with predictions presented for 2024 onwards. The mine plan is replicated on an annual basis, with sub-catchment areas and mine facility footprints reflective of the Whale Tail ELOM mine schedule and mine site layout.

All mine site components, including open pits, underground operations, the tailings storage facility, WRSFs, ore pads and underground WRSFs are assigned runoff and interflow signatures, as well as geochemical source terms. All water management infrastructure is incorporated into the model and was tested in an iterative design approach using various configurations and climate inputs to ensure that the system is capable of effectively handling a wide range of potential conditions.

The water balance model incorporates daily changes in all key processes, including precipitation and air temperature, evapotranspiration, snow accumulation and melt, and water management (*i.e.*, pump rates, pond volumes and operating criteria). Natural catchment flows were calibrated using the streamflow record from a nearby representative catchment gauged by the Water Survey of Canada and replicate the unique hydrological conditions at the mine site, including rapid runoff response to snowmelt and rainfall. Mine site flows and source loadings were parameterized via a calibration exercise that utilized measured data from mine operations in 2020, 2021 and 2022. These calibrated parameter sets were then carried forward for use in the predictive model, which was validated using monitoring data from 2023.

- The water levels in the Whale Tail Attenuation Pond and IVR Attenuation Pond are predicted to remain within the operational criteria for the duration of Operations.

- Model results indicate that under the ELOM mine plan, the existing mine water management infrastructure can handle the additional contact water generated by the pit pushbacks.

At EOM, GSP-1 is predicted to contain 115,300 $m^3$ of groundwater and 724,600 $m^3$ is stored in IVR Pit as of June 30, 2028. At EOM, GSP-1 is predicted to contain 115,300 $m^3$ of groundwater and 724,600 $m^3$ is stored in IVR Pit as of June 30, 2028, with approximately 89% of this stored water of underground provenance. The East Lobe IVR Pit wall runoff and surrounding catchment runoff contributes 9% of the total.

Approximately 89% of the IVR Pit water is of underground provenance (via groundwater inflows to the underground mine [13%], and inflows through the Whale Tail Pit Crown Pillar [76%]), and 9% generated by runoff from the pit walls and surrounding catchments. These volumes are pumped into the underground void in July 2028, at the onset of Active Closure.

- During the Active Closure phase, the sequence of active flooding of mine voids is as follows:
  - Underground mine active flooding occurs in July 2028;
  - IVR Pit active flooding begins in August 2028, and is filled to the spill point elevation of 123 masl by July 2031;
  - Whale Tail Pit active flooding begins in June 2031, and is filled to the spill point elevation of 123 masl by August 2039;
  - Once the Whale Tail Pit and IVR Pit lakes join above the 123 m sill elevation, the Whale Tail/IVR Complex is formed. This occurs in September 2039; and,
  - Active flooding of the Whale Tail North Basin continues until June 2046 when the final water level of 153.5 masl is reached.
- Water is pumped from the Whale Tail WRSF Collection Pond and the Whale Tail South Basin during this active flooding campaign. The maximum pumped volume from the Whale Tail South Basin to the mine voids is 2,855 $m^3$/hour in 2028 (4.6 $Mm^3$/year), and 2.1 to 4.1 $Mm^3$/year for the remainder of the Active Closure phase.

During the operational years of 2024 through 2028, treated effluent discharged from the O-WTP is predicted to meet NWB water licence limits for all parameters. The O-WTP will be operated for the first six years of Active Closure and will treat mine contact water including 65% of pit wall runoff, with treated effluent discharged to the IVR Pit. Once effluent discharge ceases in Active Closure, concentrations are expected to decrease and remain below guideline in the receiving environment and downstream lakes. All parameters are expected to meet their respective guidelines throughout closure.

# 8. Closure

AGNICO EAGLE

# 8. Closure

We trust that this report meets your requirements at this time. Please contact us should you have any questions or concerns or require additional information in support of this work.

Yours sincerely,

**LORAX ENVIRONMENTAL SERVICES LTD.**

**Prepared by:**

**Scott Jackson, M.SC., P.GEO. (BC, NT/NU)**
Senior Hydrologist

**Okan Aygün, PH.D., E.I.T. (BC)**
Numerical Modeller

REGISTERED PROFESSIONAL GEOSCIENTIST
J.W. DOCKREY
LICENSEE
NT/NU

April 30, 2024

**John Dockrey, M.SC., P.GEO (BC, NT/NU, ON)**
Senior Geochemist

**Nicole Marsh, M.SC., P.GEO (BC)**
Geochemist

**Cheng Kuang, M.Sc. RBTech. (BC)**
Environmental Scientist

PERMIT TO PRACTICE
LORAX ENVIRONMENTAL SERVICES LTD.
Signature
Date April 30, 2024
PERMIT NUMBER: P 1487
NT/NU Association of Professional Engineers and Geoscientists

**Reviewed by:**

**David Flather, M.Sc.**
Principal Scientist

# *References*



AGNICO EAGLE

# References


Agnico Eagle Mines Ltd. (2016). *Whale Tail Pit and Haul Road Final Environmental Impact Statement and Type A Water Licence Application (2016 FEIS).* Submitted to the Nunavut Impact Review Board (NIRB) and Nunavut Water Board (NWB) by Agnico Eagle Mines Ltd. June 30, 2016.

Agnico Eagle Mines Ltd. (2020). *Whale Tail Pit Project – Interim Reclamation and Closure Plan*. July 2020. 135 pp.

Agnico Eagle Mines Ltd. (2021). *Whale Tail Pit Expansion Project: Adaptive Management Plan v1.5*. Agnico Eagle Mines Limited – Meadowbank Division. July 28, 2021. 23 pp.

Agnico Eagle Mines Ltd. (2022). *Whale Tail Project: Water Management Plan v9*. Agnico Eagle Mines Limited – Meadowbank Division. March 2022. 161 pp.

Bernhard, A. (2010) The Nitrogen Cycle: Processes, Players, and Human Impact. Nature Education Knowledge 3(10):25.

Choppin, G., Liljenzin, J. O., & Rydberg, J. (2002*). Radiochemistry and nuclear chemistry – 3rd Edition*. Butterworth-Heinemann.

Christophersen, N. and H.M. Seip. (1982). *A model for streamwater chemistry at Birkenes, Norway*. Water Resources Research. 18:4, 977-996.

ERM Consultants Canada Ltd. (2020). *Whale Tail Pit Expansion Project – Fish Habitat Offsetting Plan*. Prepared for Agnico Eagle Mines Ltd. by ERM Consultants Canada Ltd. March 2020. 951 pp.

Golder Associates Ltd. (2017). *Whale Tail Pit - Expansion Project – 6-C: Addendum 2016 Hydrology Baseline (2016 FEIS).* 088-1656381 Ver 1. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. January 2017. 121 pp.

Golder Associates Ltd. (2018a). *Whale Tail Pit - Expansion Project – Appendix 6-O: Addendum Mean Annual Water Balance (2018 FEIS).* 1789310_204_RPT_Rev1. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. November 2018. 198 pp.

Golder Associates Ltd. (2018b). *Whale Tail Pit - Expansion Project – Appendix 6-H: Addendum Mine Site and Downstream Receiving Water Quality Predictions (2018 FEIS).* 1789310-237-RPT-Rev0. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. November 2018. 230 pp.

Golder Associates Ltd. (2019a). *Whale Tail Pit - Expansion Project: 2019 Mean Annual Water Balance Update.* 18108905-294-RPT-Rev1. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. May 2019. 284 pp.

Golder Associates Ltd. (2019b). *Mine Site and Downstream Receiving Water Quality Predictions Whale Tail Pit - Expansion Project.* 18108905-308-RPT-Rev0. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. May 2019. 229 pp.

Golder Associates Ltd. (2019c). *Whale Tail Expansion Project - DFO Regulatory Support Conceptual Design - Fish Passage at Lake A18 Sill*. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. December 2019. 45 pp.

Golder Associates Ltd. (2019d). *Whale Tail Pit – Expansion Project – Appendix H.4: Updated Hydrogeological Assessment (2019 NWB Water Licence 2AM-WTP1826 Amendment)*. 18108905-291-TM-Rev0. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. May 2019. 31 pp.

Golder Associates Ltd. (2021). *Whale Tail Project: IVR and Whale Tail Pit Pushback.* 21459323-521-RPT-Rev0. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. June 8, 2021. 300 pp.

Golder Associates Ltd. (2022). Whale Tail Pit Project – 2021 Groundwater Management Monitoring Report. Technical memorandum prepared for Agnico Eagle Mines Ltd. Doc No. 21452766–TM–547–Rev0. Issued March 28, 2022.

Hargreaves, G. H., and Samani, Z. (1985). Reference crop evapotranspiration from ambient air temperature, American Society of Agriculture Engineering Meeting, Chicago, Paper 85–2517.

Lorax Environmental Services Ltd. (2023). *Whale Tail Modification: Water Balance and Water Quality Model – Technical Report.* Prepared for Agnico Eagle Mines Ltd. by Lorax Environmental Services Ltd. June 8, 2023. 125 pp.

Lorax Environmental Service Ltd. (2024). *Whale Tail ELOM Hydrogeological Model*. Prepared for Agnico Eagle Mines Ltd. by Lorax Environmental Service Ltd. April 2024.

Martin, A.J., Crusius, J., McNee, J.J., and Yanful, E.K. (2003). The mobility of radium-226 and trace metals in pre-oxidized subaqueous uranium mill tailings. Applied Geochemistry.

Moriasi, D.N., J.G. Arnold, M.W. Van Liew, R.L. Binger, R.D. Harmel, and T.L. Veith. (2007). Model Evaluation Guidelines for Systematic Quantification of Accuracy in Watershed Simulations. Transactions of the American Society of Agricultural and Biological Engineers. 50:3, 885-900.

Okane Consultants Ltd. (2019). *Landform Water Balance Modelling of Whale Tail and IVR WRSF*. *Memorandum prepared by Okane Consultants for Agnico Eagle Mines Ltd*. Report reference 948-011-M-006 Rev3. May 10, 2019.

Okane Consultants Ltd. (2022). *Whale Tail Extension Geotechnical and Thermal Design Basis_v3*. Prepared for Agnico Eagle Mines Ltd. by Okane Consultants Ltd. October 2022. 48 pp.

Parkhurst, D. L., & Appelo, C. (1999). User's guide to PHREEQC (Version 2) (Equations on which the program is based). Water-Resources Investigations Report, 99, 4259.

Seip, H.M., R. Seip, R., P.J. Dillon, and E. de Grosbois. 1985. Model of sulphate concentration in a small stream in the Harp Lake catchment, Ontario. Can. J. Fish Aquat. Sci. 42: 927-937.

SNC-Lavalin Inc. 2020. *Detailed engineering of water management and geotechnical infrastructures at Amaruq Design report of South Whale Tail Diversion Channel*. File: 669635-2000-40ER-0001-00. Prepared for Agnico Eagle Mines Ltd. by SNC-Lavalin Inc. 167 pp.

WSP Golder. 2022. *Updated Hydrogeology Modelling – Extension Model*. Prepared for Agnico Eagle Mines Ltd. By Golder Associates Ltd. Reference No. 22513890-941-R-Rev0-2000. 81 pp.

# *Appendix A: Whale Tail Mine Annual Layouts and Catchment Areas*

AGNICO EAGLE

602000 604000 606000 608000 610000

7256000

7254000

N

NEMO-LAKE-NATURAL
NEMO-LAKE-WATER
NEMO LAKE
IVR-DIVERSION-NATURAL
US-IVRPIT-NATURAL
NE-DIKE
OSP-1 (BRINE)
EXP-WRPAD
IVR-DIKE-NATURAL
WHALE TAIL WRSF
WT-WRSF-DIKE
US-WTPIT-NATURAL
FUEL FACILITIES
IVR-ATTENPOND
WT-WRSF-POND
WRSF-POND-DIKE
OSP-4
OSP-1
OSP-2
WT-PIT
WT-ATTENPOND
WT-CAMP
KANGISLULIK-DSDIKE-WATER
KANGISLULIK-DIKE-NATURAL
TEMP-NPAC-WRSF
KANGISLULIK LAKE
WT-USDIKE-NATURAL
WHALE TAIL SOUTH BASIN
KANGISLULIK-DSDIKE-NATURAL
WT-USDIKE-WATER

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 24, 2023 |
| **DRAWN BY:** | GM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2022Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM WB/WQM**

TITLE: Whale Tail Modification Annual Layout - 2020

PROJECT #: A634-5

FIGURE: A.1

P:\@Drafting\Meadowbank\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts_Lorax_2023\Modification\with Catchments\2020_WBM.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

NEMO-LAKE-WATER

NEMO LAKE

IVR-DIVERSION-NATURAL

US-IVRPIT-NATURAL

IVR-PIT

IVR-WRSF-DIKE

IVR-WRSF-IVRPIT

IVR WRSF

WT-WRSF-DIKE

WHALE TAIL WRSF

GSP-1 BRINE

EXP-WRPAD

IVR-DIKE-NATURAL

US-WTPIT-NATURAL

FUEL-FACILITIES

IVR-ATTENPOND

WT-WRSF-POND

WRSF-POND-DIKE

OSP-4

OSP-1

OSP-2

WT-PIT

WT-ATTEN-POND

WT-DIKE-NATURAL

WT-CAMP

KANGISLULIK-DSDIKE-WATER

KANGISLULIK-DIKE-NATURAL

WT-DIKE-LAKEBED

TEMP-NPAG-WRSF

WT-DIKE-NATURAL

KANGISLULIK LAKE

WT-USDIKE-NATURAL

WHALE TAIL SOUTH BASIN

KANGISLULIK-DSDIKE-NATURAL

WT-USDIKE-WATER

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Apr 28, 2023 |
| **DRAWN BY:** | GM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2022Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

*CLIENT:* AGNICO EAGLE

LORAX ENVIRONMENTAL

*PROJECT:* **Whale Tail ELOM WB/WQM**

*TITLE:* Whale Tail Modification Annual Layout - 2021

*PROJECT #:* A634-5

*FIGURE:* A.2

P:\@Drafting\Meadowbank\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts_Lorax_2023\Modification\with Catchments\2021_WBM.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO-LAKE-WATER

NEMO LAKE

US-IVRPIT-NATURAL

IVR-DIVERSION-NATURAL

US-IVR-WRSF-NATURAL

IVR-PIT

GSP-3

IVR-WRSF-DIKE

IVR-WRSF-IVRPIT

IVR WRSF

GSP-2

IVR-DIKE-NATURAL

WT-WRSF-IVRPIT

WT-WRSF-DIKE

WHALE TAIL WRSF

US-IVRPIT-NATURAL-2

IVR-PUSH-BACK-PIT

WT-PUSH-BACK-PIT

GSP-1

EXP-WRPAD

WT-WRSF-IVRPUSHBACK

OSP-4

WT-WRSF-WTPIT

FUEL-FACILITIES

IVR-ATTENPOND

WT-WRSF-POND

WRSF-POND-DIKE

OSP-1

OSP-2

WT-PIT

WT-DIKE-NATURAL

WT-ATTENPOND

WT-CAMP

KANGISLULIK-DIKE-NATURAL

KANGISLULIK-DSDIKE-WATER

OVB-STORAGE

SANA-CRUSHER-PAD

WT-DIKE-LAKEBED

TEMP-NPAG-WRSF

KANGISLULIK LAKE

WT-USDIKE-NATURAL

WHALE TAIL SOUTH BASIN

KANGISLULIK-DSDIKE-NATURAL

WT-USDIKE-WATER

SWTDC-US

602000 604000 606000 608000 610000

7256000

7254000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Apr 28, 2023 |
| **DRAWN BY:** | GM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2022Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM WB/WQM**

TITLE: Whale Tail Modification Annual Layout - 2022

PROJECT #: A634-5

FIGURE: A.3

P:\@Drafting\Meadowbank\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts_Lorax_2023\Modification\with Catchments\2022_WBM.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO LAKE

NEMO-LAKE-WATER NEMO-LAKE-NATURAL

US-IVR-WRSF-NATURAL IVR-DIVERSION-NATURAL IVR DIVERSION

US-IVRPIT-NATURAL WEST US-IVRPIT-NATURAL EAST

IVR-DIKE-NATURAL IVR-WRSF-DIKE IVR WRSF IVR-WRSF-IVRPIT

GSP-3 GSP-2 GSP-1

IVR-PIT EAST IVR-PIT WEST

WT-WRSF-IVRPIT WT-WRSF-IVRPUSHBACK IVR-PIT-PUSHBACK WT-PIT-PUSHBACK

WHALE TAIL WRSF WT-WRSF-DIKE WT-WRSF-WTPIT

OSP-4 OSP-3 OSP-2 OSP-1

EXP-WRPAD FUEL-FACILITIES IVR-ATTENPOND

WT-WRSF-POND WRSF-POND-DIKE HAUL TRUCK PARK

WT-PIT

WT-ATTENPOND WT-DIKE-NATURAL WAREHOUSE-PAD WT-CAMP

OVERBURDEN STORAGE PAD SANA-CRUSHER-PAD

KANGISLULIK-DSDIKE-WATER KANGISLULIK-DIKE-NATURAL TEMP-NPAG-WRSF WT-DIKE-LAKEBED

KANGISLULIK LAKE KANGISLULIK-DSDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ)

WT-USDIKE-NATURAL WT-USDIKE-WATER

SWTDC-US

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 06, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2022Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM WB/WQM**

TITLE: Whale Tail ELOM Water Balance Layout - 2023

PROJECT #: A634-5

FIGURE: A.4

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_2023_EOY_With_Catchments.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO LAKE

NEMO-LAKE-WATER

NEMO-LAKE-NATURAL

IVR-DIVERSION-NATURAL

US-IVR-WRSF-NATURAL

IVR DIVERSION

US-IVRPIT-NATURAL WEST

US-IVRPIT-NATURAL EAST

IVR-DIKE-NATURAL

GSP-3

IVR-WRSF-DIKE

IVR-PIT EAST

IVR-PIT WEST

IVR-WRSF-IVRPIT

IVR WRSF

GSP-2

WT-WRSF-IVRPIT

WT-WRSF-DIKE

WHALE TAIL WRSF

IVR-PIT PUSHBACK

WT-WRSF-IVRPUSHBACK

WT-PIT-PUSHBACK

GSP-1

EXP-WRPAD

OSP-3

PAD K

WT-WRSF-WTPIT

OSP-4

FUEL-FACILITIES

IVR-ATTENPOND

WT-WRSF-POND

WRSF-POND-DIKE

OSP-1

OSP-2

HAUL TRUCK PARK

WT-PIT

WT-DIKE-NATURAL WAREHOUSE-PAD

WT-ATTENPOND

WT-CAMP

OVERBURDEN STORAGE PAD

KANGISLULIK-DSDIKE-WATER

SANA-CRUSHER-PAD

KANGISLULIK-DIKE-NATURAL

WT-DIKE-LAKEBED

TEMP-NPAG-WRSF

WT-USDIKE-NATURAL

KANGISLULIK LAKE

KANGISLULIK-DSDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ)

WT-USDIKE-WATER

SWTDC-US

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2022Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM WB/WQM**

TITLE: Whale Tail ELOM Water Balance Layout - 2024

PROJECT #: A634-5

FIGURE: A.5

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_2024_EOY_With_Catchments.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO LAKE

NEMO-LAKE-WATER

NEMO-LAKE-NATURAL

IVR-DIVERSION-NATURAL

US-IVR-WRSF-NATURAL

IVR DIVERSION

US-IVRPIT-NATURAL-WEST

US-IVRPIT-NATURAL-EAST

IVR-DIKE-NATURAL

IVR-WRSF-DIKE

IVR WRSF

IVR-WRSF-IVRPIT

IVR-PIT EAST

IVR-PIT WEST

GSP-3

GSP-2

GSP-1

EXP-IWRPAD

WT-WRSF-IVRPIT

WT-WRSF-DIKE

WHALE TAIL WRSF

IVR-PIT-PUSHBACK

WT-WRSF-IVRPUSHBACK

WT-PIT-PUSHBACK

WT-WRSF-WTPIT

OSP-4

OSP-3

PAD K

FUEL-FACILITIES

IVR-ATTENPOND

OSP-1

OSP-2

WT-WRSF-POND

WRSF-POND-DIKE

HAUL TRUCK PARK

WT-PIT

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-ATTENPOND

WT-CAMP

OVERBURDEN STORAGE PAD

KANGISLULIK-DSDIKE-WATER

SANA-CRUSHER-PAD

KANGISLULIK-DIKE-NATURAL

WT-DIKE-LAKEBED

TEMP-NPAG-WRSF

WT-USDIKE-NATURAL

KANGISLULIK LAKE

KANGISLULIK-DSDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ)

WT-USDIKE-WATER

SWTDC-US

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2024Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

*CLIENT:* AGNICO EAGLE

LORAX ENVIRONMENTAL

*PROJECT:* **Whale Tail ELOM WB/WQM**

*TITLE:* Whale Tail ELOM Water Balance Layout - 2025

*PROJECT #:* A634-5

*FIGURE:* A.6

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_2025_EOY_With_Catchments.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO LAKE

NEMO-LAKE-WATER

NEMO-LAKE-NATURAL

IVR-DIVERSION-NATURAL

US-IVR-WRSF-NATURAL

IVR DIVERSION

US-IVRPIT-NATURAL-WEST

US-IVRPIT-NATURAL-EAST

IVR-DIKE-NATURAL

IVR-WRSF-DIKE

IVR-PIT EAST

GSP-3

IVR-WRSF-IVRPIT

IVR-PIT WEST

WT-WRSF-IVRPIT

GSP-2

WT-WRSF-DIKE

IVR-PIT-PUSHBACK

WT-WRSF-IVRPUSHBACK

WT-PIT-PUSHBACK

GSP-1

EXP-IWRPAD

OSP-3

PAD K

WT-WRSF-WTPIT

OSP-4

FUEL-FACILITIES

IVR-ATTENPOND

WT-WRSF-POND

WRSF-POND-DIKE

OSP-1

OSP-2

HAUL TRUCK PARK

WT-PIT

WT-ATTENPOND

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-CAMP

OVERBURDEN STORAGE PAD

KANGISLULIK-DSDIKE-WATER

SANA-CRUSHER-PAD

KANGISLULIK-DIKE-NATURAL

WT-DIKE-LAKEBED

TEMP-NPAG-WRSF

WT-USDIKE-NATURAL

KANGISLULIK LAKE

KANGISLULIK-DSDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ)

WT-USDIKE-WATER

SWTDC-US

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2024Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

*CLIENT:* AGNICO EAGLE

LORAX ENVIRONMENTAL

*PROJECT:* **Whale Tail ELOM WB/WQM**

*TITLE:* Whale Tail ELOM Water Balance Layout - 2026

*PROJECT #:* A634-5

*FIGURE:* A.7

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_2026_EOY_With_Catchments.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO LAKE

NEMO-LAKE-WATER

NEMO-LAKE-NATURAL

IVR-DIVERSION-NATURAL

US-IVR-WRSF-NATURAL

IVR DIVERSION

US-IVRPIT-NATURAL-WEST

US-IVRPIT-NATURAL-EAST

IVR-DIKE-NATURAL

IVR-WRSF-DIKE

IVR WRSF

IVR-WRSF-IVRPIT

IVR-PIT EAST

IVR-PIT WEST

GSP-3

GSP-2

GSP-1

EXP-IWRPAD

WT-WRSF-IVRPIT

WT-WRSF-DIKE

WHALE TAIL WRSF

IVR-PIT-PUSHBACK

WT-PIT-PUSHBACK

WT-WRSF-IVRPUSHBACK

WT-WRSF-WTPIT

OSP-4

OSP-3

PAD K

FUEL-FACILITIES

IVR-ATTENPOND

OSP-1

OSP-2

WT-WRSF-POND

WRSF-POND-DIKE

HAUL TRUCK PARK

WT-PIT

WT-ATTENPOND

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-CAMP

OVERBURDEN STORAGE PAD

SANA-CRUSHER-PAD

WT-DIKE-LAKEBED

KANGISLULIK-DSDIKE-WATER

KANGISLULIK-DIKE-NATURAL

TEMP-NPAG-WRSF

KANGISLULIK LAKE

KANGISLULIK-DSDIKE-NATURAL

WT-USDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ)

WT-USDIKE-WATER

SWTDC-US

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2024Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

*CLIENT:* AGNICO EAGLE

LORAX ENVIRONMENTAL

*PROJECT:* **Whale Tail ELOM WB/WQM**

*TITLE:* Whale Tail ELOM Water Balance Layout - 2027

*PROJECT #:* A634-5

*FIGURE:* A.8

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_2027_EOY_With_Catchments.dwg

602000 604000 606000 608000 610000

7256000

7254000

N

A76 A12 A15 A43 A44

NEMO-LAKE-WATER NEMO-LAKE-NATURAL NEMO LAKE

IVR-DIVERSION-NATURAL IVR DIVERSION US-IVR-WRSF-NATURAL

US-IVRPIT-NATURAL-WEST US-IVRPIT-NATURAL-EAST

IVR-DIKE-NATURAL IVR-WRSF-DIKE IVR WRSF IVR-WRSF-IVRPIT

IVR-PIT EAST IVR-PIT WEST GSP-3 GSP-2 GSP-1

WT-WRSF-IVRPIT WT-WRSF-DIKE WHALE TAIL WRSF

IVR-PIT-PUSHBACK WT-WRSF-IVRPUSHBACK WT-PIT-PUSHBACK

WT-WRSF-WTPIT OSP-4 EXP-WRPAD FUEL-FACILITIES

OSP-3 PAD K IVR-ATTENPOND

WT-WRSF-POND WRSF-POND-DIKE HAUL TRUCK PARK

OSP-1 OSP-2 WT-PIT

WT-DIKE-NATURAL WAREHOUSE-PAD WT-ATTENPOND

WT-CAMP

OVERBURDEN STORAGE PAD

KANGISLULIK-DSDIKE-WATER KANGISLULIK-DIKE-NATURAL SANA-CRUSHER-PAD WT-DIKE-LAKEBED TEMP-NPAG-WRSF

KANGISLULIK LAKE KANGISLULIK-DSDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ)

WT-USDIKE-NATURAL WT-USDIKE-WATER

SWTDC-US

602000 604000 606000 608000 610000

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD
- ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATERBODY (NATURAL)
- BACKFILL
- STOCKPILE
- DIKE
- OPEN PIT
- WASTE ROCK STORAGE FACILITY

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Original Drawing:
Drawing Number 2024Q4. *Amaruq Mine Site General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.

*CLIENT:* AGNICO EAGLE

LORAX ENVIRONMENTAL

*PROJECT:* **Whale Tail ELOM WB/WQM**

*TITLE:* Whale Tail ELOM Water Balance Layout - 2028

*PROJECT #:* A634-5 *FIGURE:* A.9

P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_2028_EOY_With_Catchments.dwg

602000 604000 606000 608000 610000

7256000 7254000 7252000

N

A76 A12 A15 A43 A44 A63 155.3m A18 155.3m A20 155.3m A19 155.3m A21 155.3m

NEMO LAKE

US-IVRPIT-NATURAL-WEST

US-IVRPIT-NATURAL EAST

IVR-DIVERSION-NATURAL

US-IVR-WRSF-NATURAL

IVR-DIKE-NATURAL

IVR-WRSF-DIKE

IVR WRSF

IVR-WRSF-IVRPIT

GSP-3

GSP-2

GSP-1

EXP-WRPAD

IVR-PIT- FLOODED

IVR-PIT-PUSHBACK

WT-PIT-PUSHBACK

WT-WRSF-IVRPIT

WT-WRSF-IVRPUSHBACK

WT-WRSF-WTPIT

WT-WRSF-DIKE

WHALE TAIL WRSF

OSP-4

OSP-3

OSP-2

OSP-1

PAD K

FUEL-FACILITIES

IVR-ATTENPOND

WT-WRSF-POND

WT-WRSF-POND-DIKE

HAUL TRUCK PARK

WT-PIT-FLOODED

WHALE TAIL LAKE (UIGUQLIQ) NORTH BASIN 153.5m

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-CAMP

WT-DIKE-LAKEBED

SANA-CRUSHER-PAD

TEMP-NPAG-WRSF

KANGISLULIK-DSDIKE-NATURAL

KANGISLULIK-DSDIKE-WATER

KANGISLULIK LAKE 152.5m

KANGISLULIK-DIKE-NATURAL

WT-USDIKE-NATURAL

WHALE TAIL LAKE (UIGUQLIQ) SOUTH BASIN 153.5m

WT-USDIKE-WATER

A18-NATURAL

## LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- HAUL ROAD ROAD, SALT PROTECTION
- SERVICE ROAD
- WATERCOURSE
- PIPE LINE
- DIVERSION CHANNEL
- BACKFILLED POND (NPAG)
- DIKE
- RECLAIMED MINE INFRASTRUCTURE
- WATERBODY (NATURAL)

| | |
|---|---|
| **DATE SAVED:** | Mar 22, 2024 |
| **DRAWN BY:** | DM |
| **REVIEWED:** | SJ |
| **VERSION:** | 1 |

Notes:
1.Original Drawing:
Drawing Number 2042 POST CLOSURE. *Amaruq MineSite General Arrangement.*
Produced May 2, 2019 by Agnico Eagle.
2. Whale Tail WRSF extension design provided by Okane Consultants
3. Pit Extension provided by BBA - Whale Tail Phase 3 Underground End of Period Surfaces

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM WB/WQM**

TITLE: Whale Tail ELOM
Water Balance Layout - Post-Closure

PROJECT #: A634-5

FIGURE: A.10

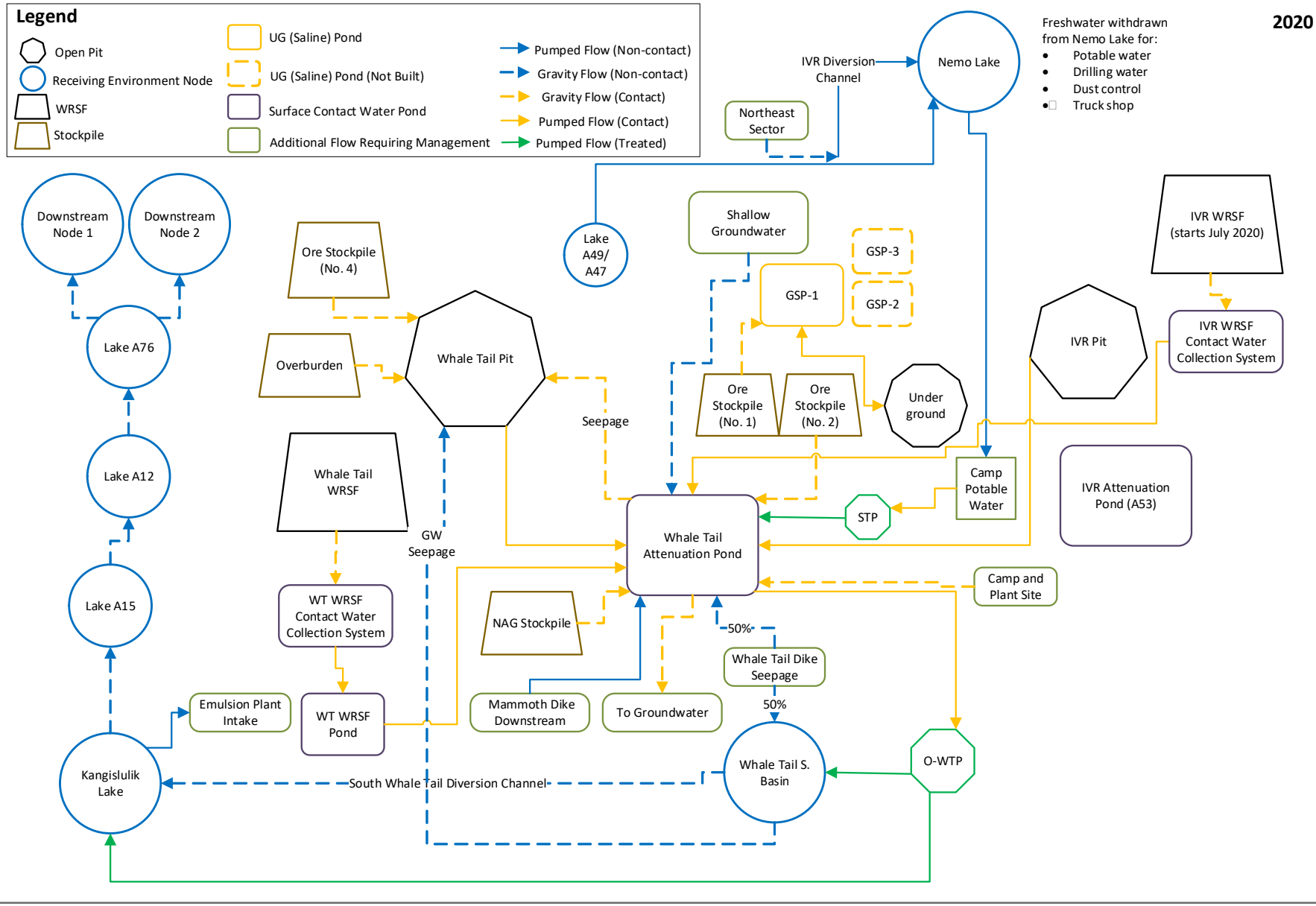
P:\@Drafting\Whale Tail\Drafting Figures\Autocad\Autocad Figures\Yearly Site Layouts ELOM 2024\With Catchments\ELOM_Post-Closure_With_Catchments.dwg

**Appendix A.2: Whale Tail Mine ELOM Mine Area Annual Catchment Areas**

| Catchment | Area (ha) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2020** | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **Post-Closure** |
| A18-Natural | - | - | - | - | - | - | - | - | - | 422.61 |
| A18-Water | - | - | - | - | - | - | - | - | - | 134.14 |
| EXP-WRPAD | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 |
| Fuel-Facilities | 2.79 | 2.79 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 |
| GSP-1 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 |
| GSP-2 | - | - | 3.59 | 3.59 | 3.59 | 3.59 | 3.59 | 3.59 | 3.59 | 3.59 |
| GSP-3 | - | - | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 |
| Haultruck-Park | - | - | - | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 |
| IVR-Attenpond | 14.90 | 14.89 | 20.98 | 20.98 | 20.98 | 20.98 | 20.98 | 20.98 | 20.98 | 20.98 |
| IVR-Dike-Natural | 71.91 | 71.91 | 72.03 | 48.06 | 48.06 | 48.06 | 48.06 | 48.06 | 48.06 | 48.06 |
| IVR-Diversion-Natural | 137.49 | 72.90 | 67.53 | 71.70 | 71.70 | 71.70 | 71.70 | 71.70 | 71.70 | 71.70 |
| IVR-Pit | 1.71 | 26.53 | 37.17 | 41.75 | 41.75 | 41.75 | 41.75 | 41.75 | 41.75 | 5.15 |
| IVR-Pit West Lobe | - | - | - | 24.86 | 24.86 | 26.26 | 26.26 | 26.26 | 26.26 | 3.22 |
| IVR-Pit East Lobe | - | - | - | 16.89 | 16.89 | 15.49 | 15.49 | 15.49 | 15.49 | 1.93 |
| IVR-Pit West_Flooded | - | - | - | - | - | - | - | - | - | 24.70 |
| IVR-Pit East_Flooded | - | - | - | - | - | - | - | - | - | 15.22 |
| IVR-Pit-Pushback | - | - | 4.37 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| IVR-Saline Water Storage | - | - | - | - | - | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| IVR-WRSF-DIKE | - | 44.55 | 44.55 | 67.67 | 67.67 | 67.67 | 67.67 | 67.67 | 67.67 | 67.67 |
| IVR-WRSF-IVRPit | - | 8.72 | 10.75 | 10.75 | 10.75 | 10.75 | 10.75 | 10.75 | 10.75 | 10.75 |
| Kangislulik-DIKE-Natural | 43.29 | 35.76 | 28.87 | 26.87 | 26.87 | 26.87 | 26.87 | 26.87 | 26.87 | 20.93 |
| Kangislulik-DSDIKE-Natural | 387.80 | 387.80 | 348.87 | 347.32 | 347.32 | 347.32 | 347.32 | 347.32 | 347.32 | 753.76 |
| Kangislulik-DSDIKE-Water | 133.48 | 133.48 | 133.48 | 133.48 | 133.48 | 133.48 | 133.48 | 133.48 | 133.48 | 148.68 |
| Nemo Lake - Natural | 218.92 | 218.92 | 218.77 | 218.77 | 218.68 | 218.68 | 218.68 | 218.68 | 218.68 | 218.68 |
| Nemo Lake - Water | 118.60 | 118.60 | 118.60 | 118.60 | 118.60 | 118.60 | 118.60 | 118.60 | 118.60 | 118.60 |
| OSP-1 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 |
| OSP-2 | 5.46 | 5.46 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 |
| OSP-3 | - | - | - | 11.02 | 11.02 | 11.02 | 11.02 | 11.02 | 11.02 | 11.02 |
| OSP-4 | 14.17 | 14.17 | 14.12 | 13.28 | 13.28 | 13.28 | 13.28 | 13.28 | 13.28 | 11.90 |
| Pad K | - | - | - | - | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 |
| OVB-STORAGE | - | - | 1.84 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.73 |
| Sana-Crusher-Pad | - | - | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 2.73 |
| TEMP-NPAG-WRSF | 15.34 | 23.33 | 19.94 | 19.94 | 19.94 | 19.94 | 19.94 | 19.94 | 19.94 | 19.94 |
| US-IVRPit-Natural | 115.69 | 82.42 | 48.77 | - | - | - | - | - | - | - |
| US-IVRPit-Natural West | - | - | - | 36.39 | 36.39 | 36.39 | 36.39 | 36.39 | 36.39 | 36.31 |
| US-IVRPit-Natural East | - | - | - | 23.32 | 23.32 | 23.32 | 23.32 | 23.32 | 23.32 | 23.32 |
| US-IVRWRSF-Natural | | 20.04 | 20.04 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 |
| US-SWTDC | - | - | 46.21 | 46.21 | 46.21 | 46.21 | 46.21 | 46.21 | 46.21 | - |
| US-WTPit-Natural | 30.83 | 30.83 | 3.53 | 3.53 | 3.53 | 3.53 | 3.53 | 3.53 | 3.53 | 3.08 |
| Warehouse-Pad | - | - | - | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| WT-AttenPond | 2.86 | 2.86 | 2.86 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 |
| WT-Camp | 19.88 | 19.88 | 19.88 | 19.88 | 19.88 | 19.88 | 19.88 | 19.88 | 19.88 | 19.88 |
| WT-DIKE-Lakebed | 31.82 | 31.82 | 31.19 | 29.84 | 29.84 | 29.84 | 29.84 | 29.84 | 29.84 | 29.84 |
| WT-DIKE-Natural | 41.13 | 41.13 | 41.78 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 40.02 |
| WT-Pit | 60.93 | 60.66 | 62.39 | 64.16 | 64.16 | 64.16 | 64.16 | 64.16 | 64.16 | 4.08 |
| WT-Pit_Flooded | - | - | - | - | - | - | - | - | - | 61.39 |
| WT-NorthBasin(WT Dike to WT Pit) | - | - | - | - | - | - | - | - | - | 34.75 |
| WT-NorthBasin and Pit-Flooded | - | - | - | - | - | - | - | - | - | 147.34 |
| WT-Pit-Pushback | - | - | 2.59 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 0.89 |
| WT-Pit-Pushback_Flooded | - | - | - | - | - | - | - | - | - | 3.56 |
| WT-USDIKE-Natural | 1,463.09 | 1,463.09 | 1,462.43 | 1,462.62 | 1,453.74 | 1,453.74 | 1,453.74 | 1,453.74 | 1,453.74 | 877.08 |
| WT-USDIKE-SOUTHBASIN-NATURAL | - | - | - | - | - | - | - | - | - | 245.87 |
| WT-USDIKE-SOUTHBASIN-WATER | - | - | - | - | - | - | - | - | - | 84.31 |
| WT-USDIKE-Water | 407.83 | 407.83 | 407.83 | 407.83 | 407.83 | 407.83 | 407.83 | 407.83 | 407.83 | 97.35 |
| WT-WRSF-DIKE | 81.02 | 81.02 | 85.98 | 85.98 | 85.98 | 85.98 | 85.98 | 85.98 | 85.98 | 85.98 |
| WT-WRSF-IVRPIT | - | - | 10.77 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 |
| WT-WRSF-IVRPUSHBACK | - | - | 0.98 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 |
| WT-WRSF-Pond | - | - | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| WT-WRSF-Natural-IVRPushback | - | - | - | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| WT-WRSF-Pond-Natural | 25.66 | 25.66 | 20.71 | 19.20 | 19.20 | 19.20 | 19.20 | 19.20 | 19.20 | 19.20 |
| WT-WRSF-WTPIT | - | - | 21.67 | 21.62 | 21.62 | 21.62 | 21.62 | 21.62 | 21.62 | 21.62 |
| **Total** | **3,463** | **3,463** | **3,472** | **3,528** | **3,528** | **3,529** | **3,529** | **3,529** | **3,529** | **4,049** |

# *Appendix B: Whale Tail Mine ELOM WBWQM Flow Diagrams*

AGNICO EAGLE




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

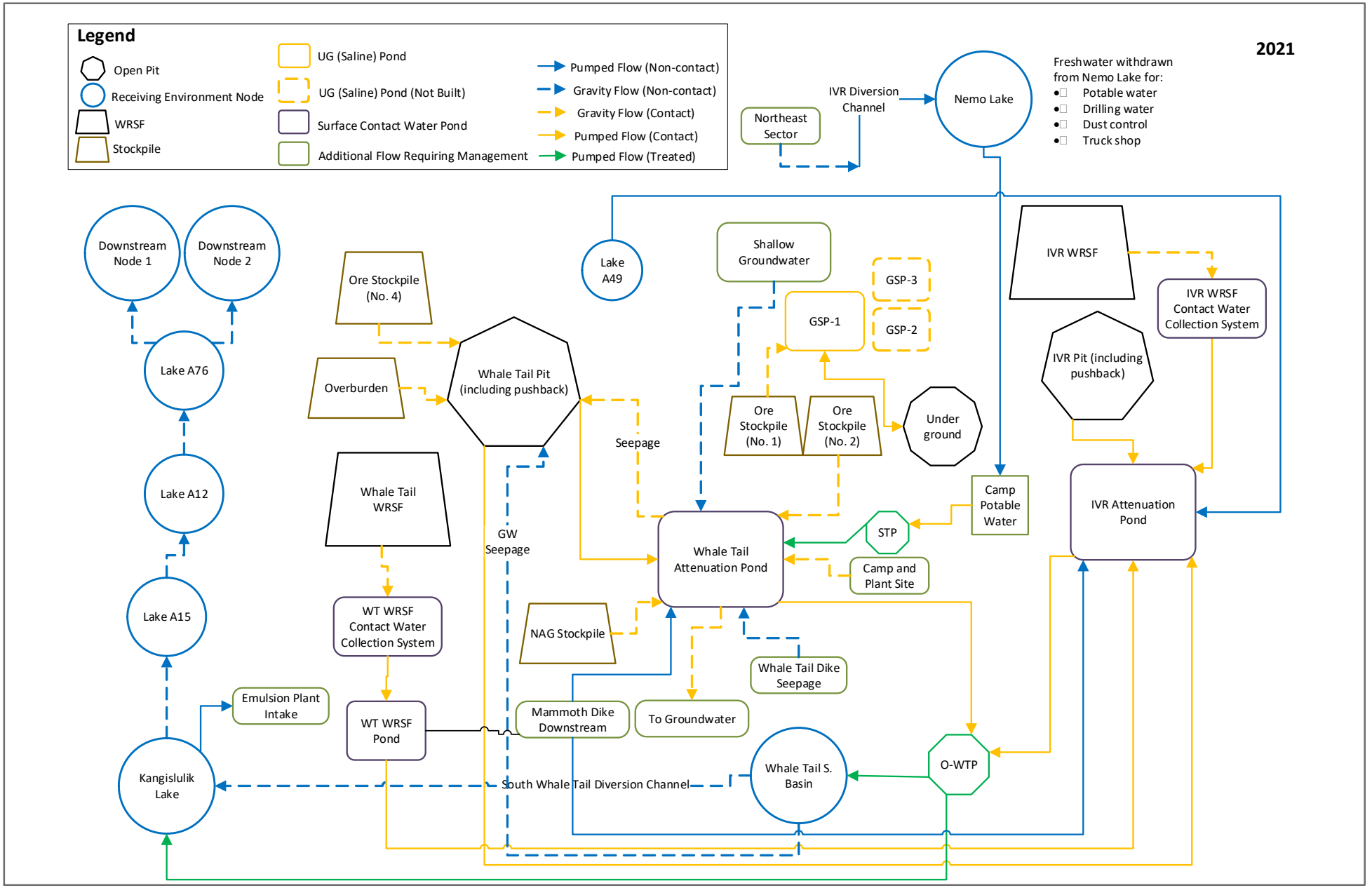
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2020)

PROJECT #: A634-5

FIGURE: B1.1

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-1_2020.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

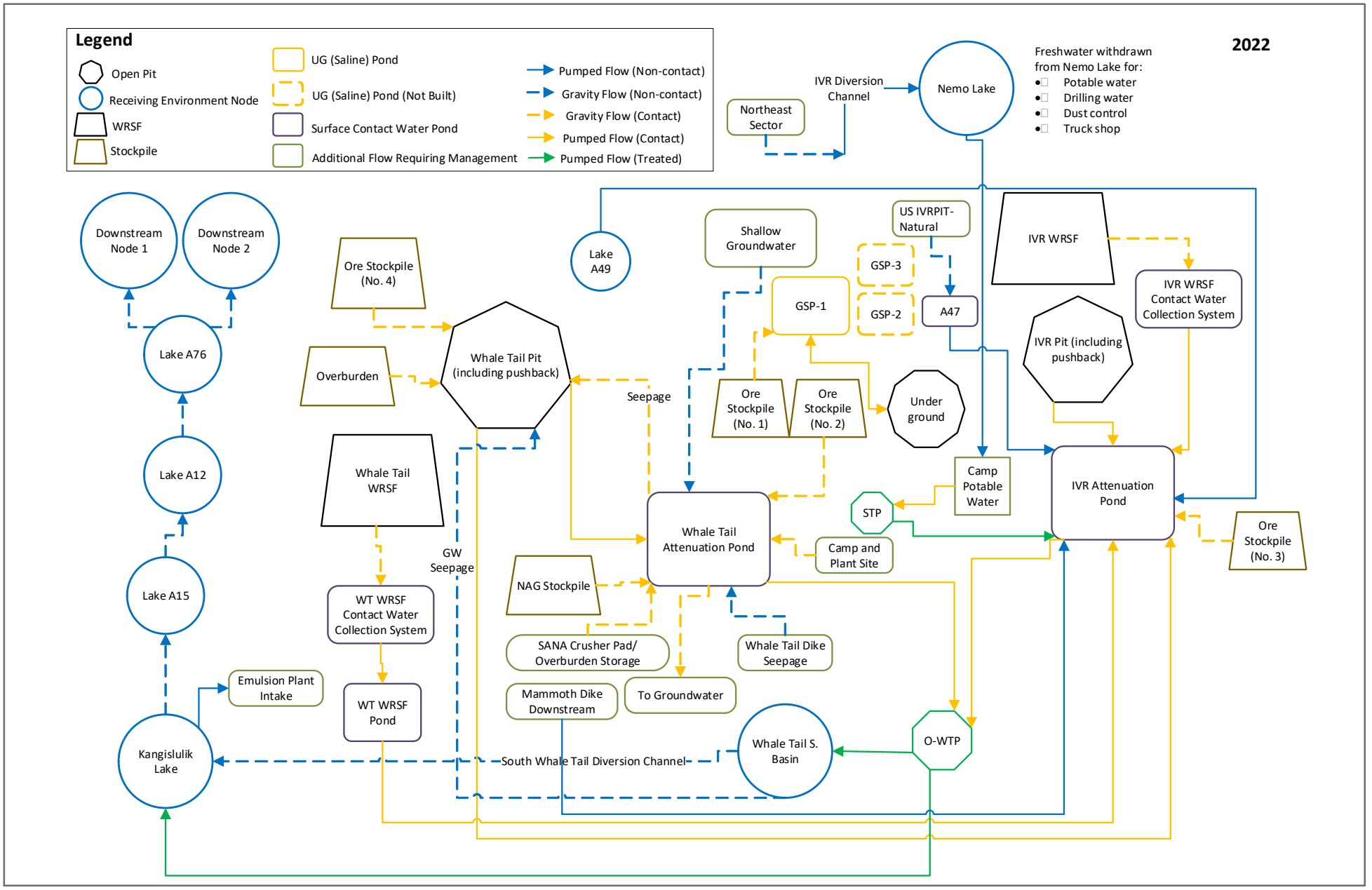
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2021)

PROJECT #: A634-5

FIGURE: B1.2

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-2_2021.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

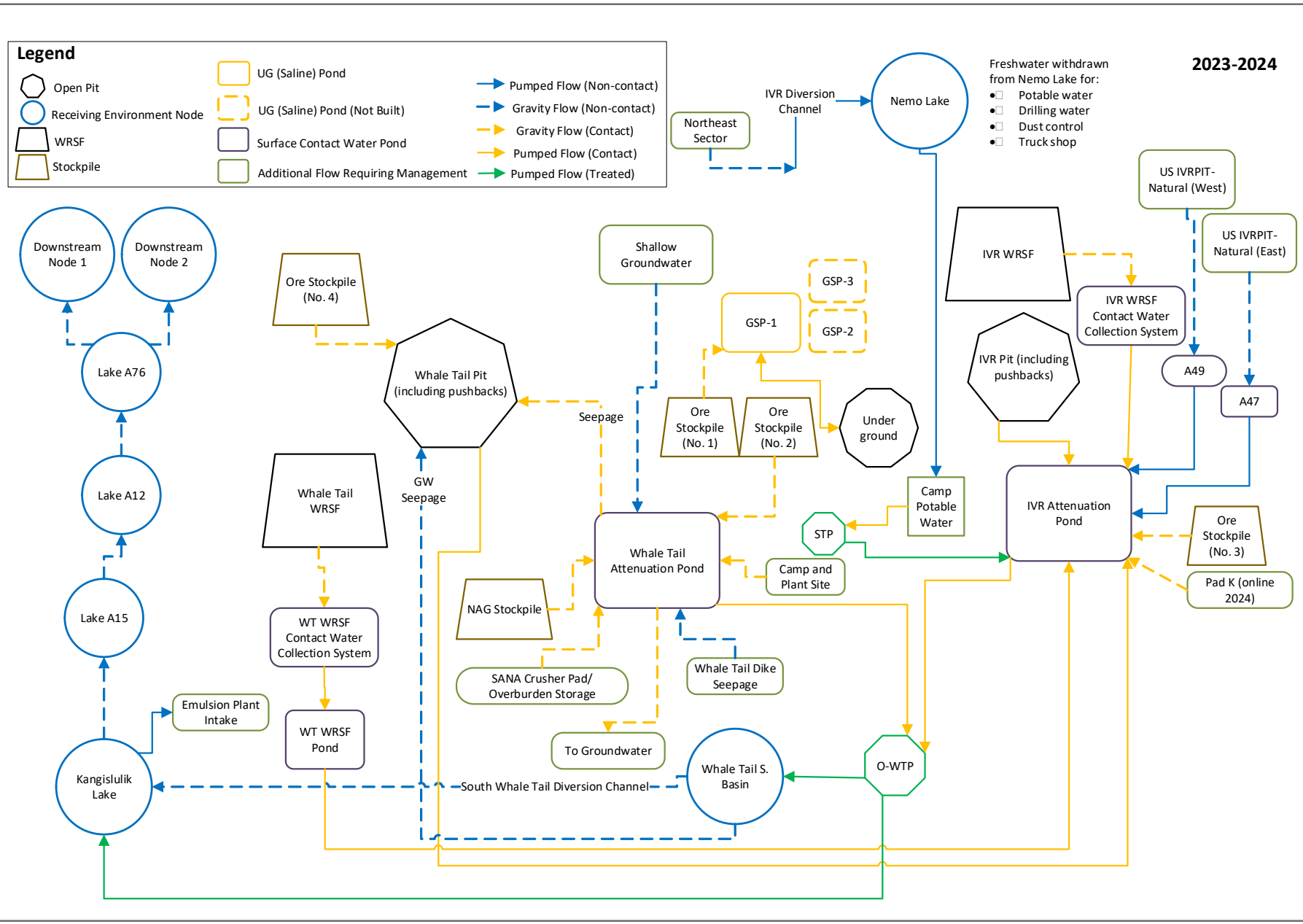
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2022)

PROJECT #: A634-5

FIGURE: B1.3

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-3_2022.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

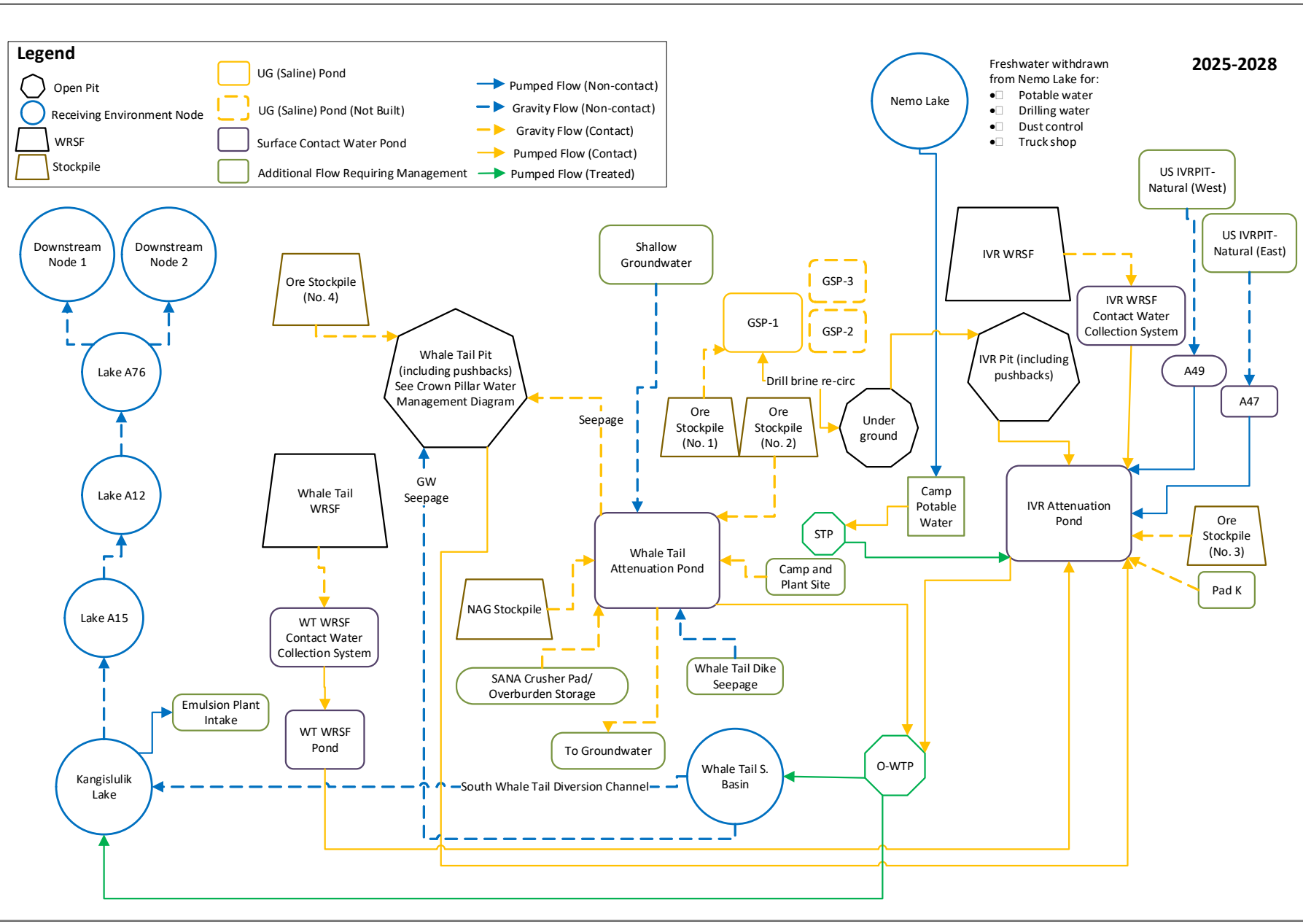
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2023-24)

PROJECT #: A634-5

FIGURE: B1.4

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-4_2023-24.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

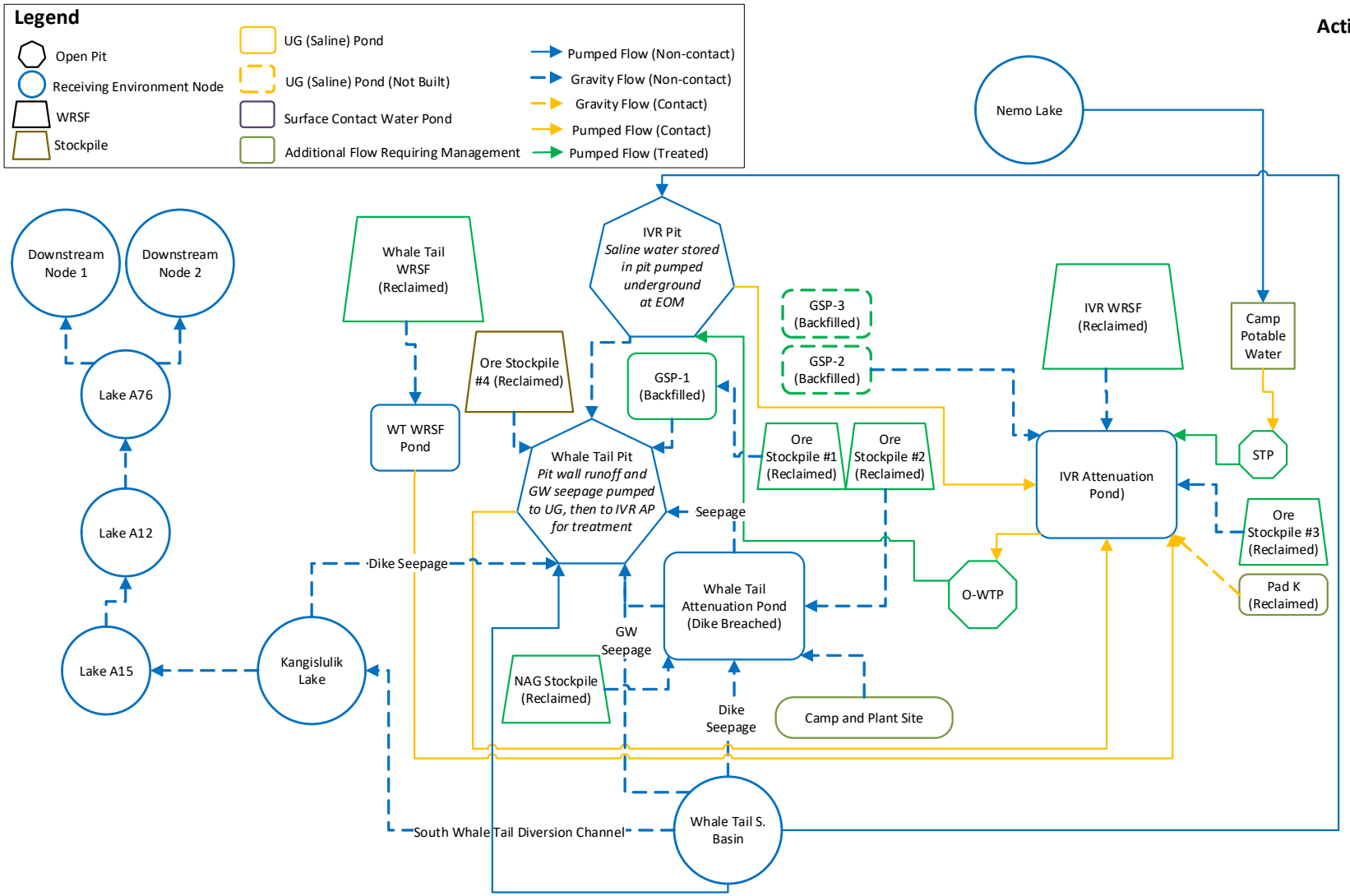
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (2025-28)

PROJECT #: A634-5

FIGURE: B1.5

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-5_2025-28.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

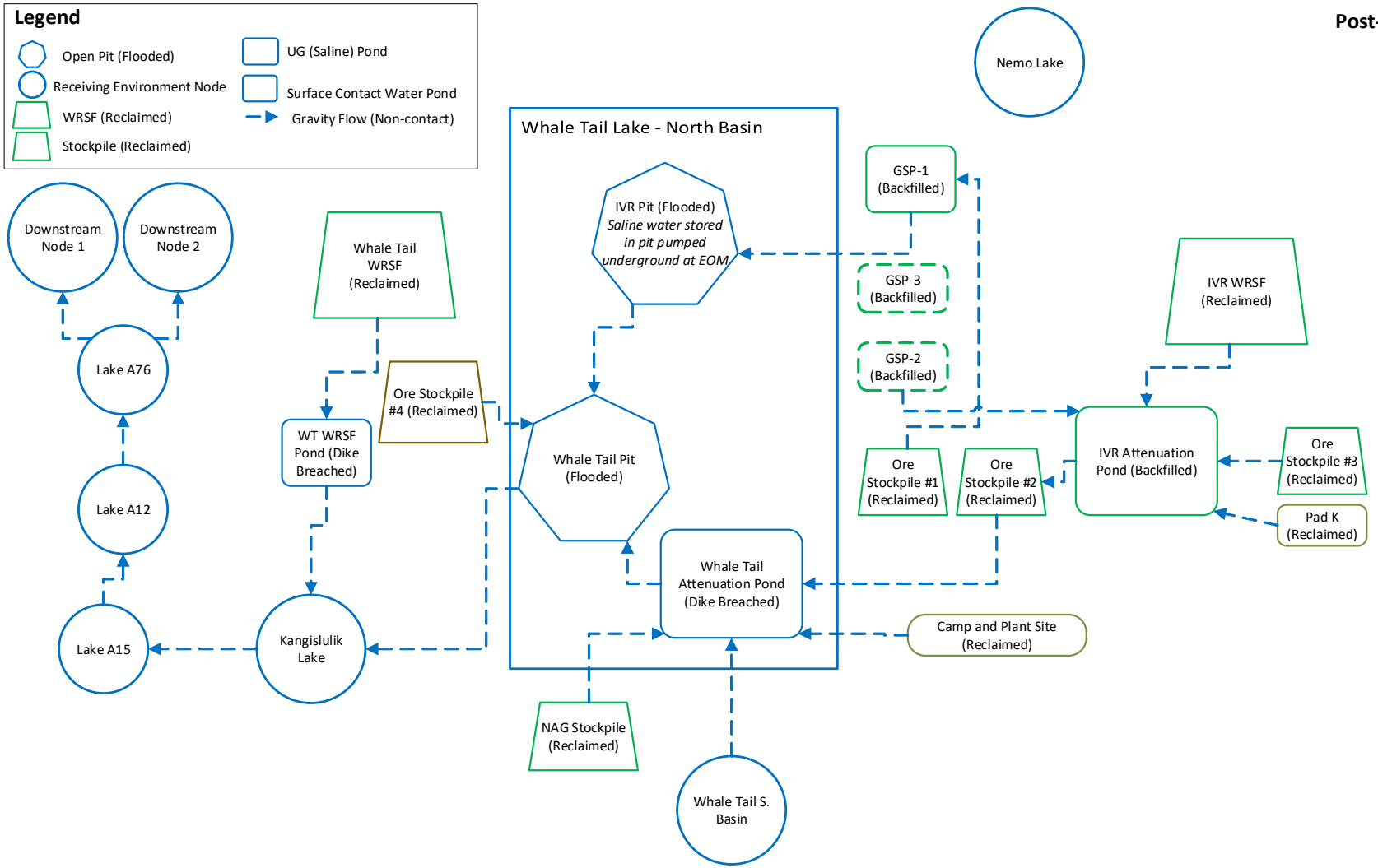
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM
WBWQM Flow Diagram (Active Closure)

PROJECT #: A634-5

FIGURE: B1.6

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-6_Active Closure.mxd




| | |
|---|---|
| DATE SAVED: | Apr 18, 2024 |
| DRAWN BY: | GM |
| REVIEWED: | SJ |
| VERSION: | 1 |

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

TITLE: Whale Tail ELOM WBWQM Flow Diagram (Post-closure)

PROJECT #: A634-5

FIGURE: B1.7

P:\@Drafting\Whale Tail\Drafting Figures\MXD\Flow Diagrams\ELOM\B1-7_Post-Closure.mxd

# *Appendix C: Geochemical Source Term Report*



AGNICO EAGLE

AGNICO EAGLE

# *Whale Tail ELOM: Source Term Update Report*


***Prepared for:***
***Agnico Eagle Mines***
***145 King Street East, Suite 400***
***Toronto, Ontario, M5C 2Y7***

***Prepared by:***
***Lorax Environmental Services***
***305 - 1770 W 7th Avenue***
***Vancouver, B.C., V6J 4Y6***


**Project No. A634-5**

**30 April 2024**

LORAX ENVIRONMENTAL

# *Table of Contents*

AGNICO EAGLE

# Table of Contents


**TABLE OF CONTENTS** ..... I

**ACRONYMS AND ABBREVIATIONS** ..... VI

**1. INTRODUCTION** ..... 1-1
- 1.1 PROJECT OVERVIEW ..... 1-1
- 1.2 PREVIOUS WORK ..... 1-1
- 1.3 REPORT OBJECTIVES ..... 1-1
- 1.4 REPORT STRUCTURE ..... 1-2

**2. GEOLOGY AND MINE PLAN** ..... 2-1
- 2.1 GEOLOGY ..... 2-1
- 2.2 MINE SCHEDULE ..... 2-2
- 2.3 MINE WASTE MANAGEMENT ..... 2-4

**3. DATA SOURCES AND ASSUMPTIONS** ..... 3-1
- 3.1 HYDROLOGY AND WATER BALANCE ..... 3-1
- 3.2 UNDERGROUND MINE GROUNDWATER SEEPAGE ..... 3-1
- 3.3 GEOCHEMICAL LOADING RATES ..... 3-2
- 3.4 SCALING FACTORS ..... 3-4
- 3.5 SOLUBILITY CONTROLS ..... 3-4
- 3.6 AMMONIA AND PHOSPHOROUS DECAY ..... 3-5
  - 3.6.1 AMMONIA ..... 3-5
  - 3.6.2 PHOSPHORUS ..... 3-6
- 3.7 SOURCE TERM CALIBRATION ..... 3-8
  - 3.7.1 TRACER MODEL ..... 3-8
  - 3.7.2 CALIBRATION OF SCALING FACTORS ..... 3-10
  - 3.7.3 VALIDATION OF SOURCE TERMS ..... 3-12

**4. SOURCE TERM PREDICTIONS** ..... 4-1
- 4.1 PIT WALLS ..... 4-1
  - 4.1.1 OPERATIONS ..... 4-1
  - 4.1.2 ACTIVE CLOSURE AND POST-CLOSURE ..... 4-3
    - 4.1.2.1 SUBMERGED PIT WALL ROCK ..... 4-3
  - 4.1.3 NITROGEN SPECIES ..... 4-5
  - 4.1.4 RESULTS ..... 4-5
- 4.2 WASTE ROCK STORAGE FACILITIES ..... 4-9
  - 4.2.1 OPERATIONS ..... 4-9
  - 4.2.2 ACTIVE CLOSURE AND POST-CLOSURE ..... 4-12
  - 4.2.3 NITROGEN SPECIES ..... 4-14
  - 4.2.4 RESULTS ..... 4-14
- 4.3 UNDERGROUND MINE ..... 4-17
  - 4.3.1 OPERATIONS ..... 4-17
    - 4.3.1.1 GROUNDWATER SALINITY AND MAJOR IONS ..... 4-17
    - 4.3.1.2 WALL ROCK, ROCKFILL AND CRUSHED ROCK FILL ..... 4-19
  - 4.3.2 ACTIVE CLOSURE AND POST-CLOSURE ..... 4-20
  - 4.3.3 NITROGEN SPECIES ..... 4-21
  - 4.3.4 RESULTS ..... 4-24
- 4.4 EXPOSED LAKE SEDIMENTS ..... 4-26
- 4.5 TEMPORARY STOCKPILES AND MINE FACILITIES AREA ..... 4-28
  - 4.5.1 OPERATIONS ..... 4-28
    - 4.5.1.1 NPAG/NML STOCKPILE ..... 4-28
    - 4.5.1.2 OPEN PIT ORE STOCKPILES ..... 4-28
    - 4.5.1.3 UNDERGROUND ORE AND WASTE ROCK STOCKPILES ..... 4-28

4.5.1.4 MINE FACILITIES AREAS ..... 4-29
4.5.2 NITROGEN SPECIES ..... 4-29
4.5.3 RESULTS ..... 4-29
4.6 WHALE TAIL PIT AND DIKE SEEPAGE ..... 4-31

**5. SUMMARY ..... 5-33**

**6. CLOSURE ..... 6-1**

**REFERENCES ..... R-1**

**APPENDICES**

APPENDIX A SOURCE TERM RESULTS

APPENDIX B CALIBRATION RESULTS TIMESERIES PLOTS

# LIST OF FIGURES

FIGURE 3-1: PHOSPHORUS (P) CONCENTRATIONS OBSERVED IN THE WHALE TAIL ATTENUATION POND (ST-WT-1; 2021 MONTHLY AVERAGE) COMPARED TO THOSE ESTIMATED FROM CONSERVATIVE MIXING OF STP DISCHARGE (ST-WT-11). ..... 3-7

FIGURE 3-2: PHOSPHORUS TO IRON (T–P/T–FE) RATIOS OBSERVED IN THE WHALE TAIL ATTENUATION POND COMPARED TO THE AVERAGE PARTICULATE FRACTION ASSUMED FOR WASTE ROCK (GOLDER, 2019). TOTAL SUSPENDED SOLIDS (TSS) PLOTTED ON SECONDARY Y–AXIS. ..... 3-8

FIGURE 3-3: PERCENT OF VARIOUS WATER SOURCES CONTRIBUTING TO PONDS AND SUMPS IN 2020, 2021 AND 2022 PREDICTED BY THE GOLDSIM TRACER MODEL FOR THE WT PIT SUMP (TOP), IVR PIT SUMP (MIDDLE) AND WT WRSF ATTENUATION POND (BOTTOM). ..... 3-9

FIGURE 3-4: WHALE TAIL PIT WATER QUALITY MODEL RESULTS VALIDATED AGAINST ST-WT-4 MONITORING DATA. ..... 3-14

FIGURE 3-5: IVR PIT WATER QUALITY MODEL RESULTS VALIDATED AGAINST ST-WT-18 MONITORING DATA. ..... 3-15

FIGURE 3-6: WT WRCP WATER QUALITY MODEL RESULTS VALIDATED AGAINST ST-WT-3 MONITORING DATA. ..... 3-16

FIGURE 4-1: MONTHLY INTERNAL TEMPERATURE PROJECTIONS FOR WRSFS UNDER RCP6.0 CLIMATE SCENARIO (OKC, 2022). ..... 4-13

FIGURE 4-2: ARRHENIUS RELATIONSHIP FOR SULPHIDE MINERAL WEATHERING USING ACTIVATION ENERGY (EA) FOR PYRRHOTITE, PYRITE AND CHALCOPYRITE NORMALIZED TO 25°C. ..... 4-14

FIGURE 4-3: WHALE TAIL GROUNDWATER TOTAL DISSOLVED SOLIDS (TDS) PROFILE. MODIFIED FROM GOLDER (2023) ..... 4-19

FIGURE 4-4: MELIADINE UNDERGROUND MINE WATER QUALITY AT THE TIRIGANIAQ 300 LEVEL SUMP FOR AMMONIA ($NH_3$), NITRATE ($NO_3$) AND NITRITE ($NO_2$) DURING THE JUNE 2019 TO OCTOBER 2021 MONITORING PERIOD. MONTHLY QUANTITIES FOR DEWATERING FLOW AND TONNAGE ARE ALSO PLOTTED (FROM AVAILABLE RECORDS). ..... 4-22

FIGURE 4-5: WHALE TAIL UNDERGROUND MINE WATER MONITORING RESULTS FOR AMMONIA ($NH_3$), NITRATE ($NO_3$) AND NITRITE ($NO_2$) DURING THE JANUARY 2022 THROUGH APRIL 2023 PERIOD WHEN THERE WERE MINIMAL GROUNDWATER INFLOWS. WATER QUALITY PREDICTIONS ARE PLOTTED FROM 2022 THROUGH 2032. THE PLOT SHOWS A MONTHLY TIME STEP FROM 2021 THROUGH 2022, AND AN ANNUAL TIME STEP FROM 2023 ONWARDS. ..... 4-22

# LIST OF TABLES

TABLE 2-1: LITHOLOGY SUMMARY ..... 2-1
TABLE 2-2: WHALE TAIL MINE DEVELOPMENT SEQUENCE ..... 2-3
TABLE 2-3: WHALE TAIL MINE PLAN MATERIAL SUMMARY ..... 2-4
TABLE 2-5: MINE WASTE ACID ROCK DRAINAGE AND METAL LEACHING POTENTIAL SUMMARY ..... 2-5
TABLE 3-1: RUNOFF COEFFICIENTS ..... 3-1
TABLE 3-2: MODELLED GROUNDWATER INFLOW RATES TO THE UNDERGROUND MINE (LORAX 2024) . 3-2
TABLE 3-3: WASTE ROCK AND ORE LOADING RATES DEVELOPED FROM UNSATURATED KINETIC TESTS BY LITHOLOGY (FROM GOLDER 2019) ..... 3-3
TABLE 3-4: SOURCE TERM SCALING FACTORS ..... 3-4
TABLE 3-5: WHALE TAIL WRSF UPSCALED CONCENTRATIONS, CALIBRATED CONCENTRATIONS AND CALIBRATION FACTORS ..... 3-11
TABLE 3-6: IVR WRSF UPSCALED CONCENTRATIONS, OBSERVED CONCENTRATIONS AND CALIBRATION FACTORS ..... 3-11
TABLE 3-7: WHALE TAIL PIT UPSCALED CONCENTRATIONS, CALIBRATED CONCENTRATIONS AND CALIBRATION FACTORS ..... 3-12
TABLE 3-8: IVR PIT UPSCALED CONCENTRATIONS, CALIBRATED CONCENTRATIONS AND CALIBRATION FACTORS ..... 3-12
TABLE 4-1: WHALE TAIL PIT WALL EXPOSURE LITHOLOGICAL PROPORTIONS ..... 4-2
TABLE 4-2: IVR PIT AND IVR PUSHBACK WALL EXPOSURE LITHOLOGICAL PROPORTIONS ..... 4-2
TABLE 4-3: PREDICTED PIT POREWATER ARSENIC CONCENTRATIONS AND DIFFUSIVE FLUX ..... 4-4
TABLE 4-4: WHALE TAIL PIT WALL SOURCE TERM ..... 4-6
TABLE 4-5: IVR PIT WALL SOURCE TERM ..... 4-7
TABLE 4-6: IVR PUSH-BACK PIT WALL SOURCE TERM ..... 4-8
TABLE 4-7: ASSUMED NPAG/NML COVER SCHEDULE FOR WRSF SOURCE TERM ..... 4-9
TABLE 4-8: WHALE TAIL WRSF LITHOLOGICAL PROPORTIONS OF PAG/ML WASTE ..... 4-11
TABLE 4-9: IVR WRSF LITHOLOGICAL PROPORTIONS OF PAG/ML WASTE ..... 4-11
TABLE 4-9: WHALE TAIL WRSF SOURCE TERMS ..... 4-15
TABLE 4-10: IVR WRSF SOURCE TERMS ..... 4-16
TABLE 4-12: UNDERGROUND DRILLHOLE AMQ-WH-380-01 GROUNDWATER SAMPLE RESULTS ..... 4-18
TABLE 4-13: UNDERGROUND TOTAL WASTE ROCK LITHOLOGICAL PROPORTIONS ..... 4-20
TABLE 4-14: STATISTICAL SUMMARY OF NITROGEN SPECIES MONTHLY CONCENTRATIONS IN WHALE TAIL UNDERGROUND WATER AT THE 300 LEVEL SUMP. ..... 4-23
TABLE 4-15: STATISTICAL SUMMARY OF EXCAVATION AND DEWATERING MONTHLY DATA FROM THE MELIADINE UNDERGROUND WORKINGS (TIRIGANIAQ). ..... 4-24
TABLE 4-16: STATISTICAL SUMMARY OF NITROGEN SPECIES MONTHLY CONCENTRATIONS IN WHALE TAIL UNDERGROUND WATER AT THE 300 LEVEL SUMP (JANUARY TO SEPTEMBER 2020). . 4-24
TABLE 4-17: PLANNED ANNUAL UNDERGROUND EXCAVATION TONNAGES FOR THE WHALE TAIL MINE. 4-24
TABLE 4-18: UNDERGROUND MINE SOURCE TERM ..... 4-25

TABLE 4-19: EXPOSED LAKE SEDIMENT RUNOFF SOURCE TERMS ..... 4-27

TABLE 4-20: TEMPORARY STOCKPILES AND MINE FACILITIES AREAS SOURCE TERM RESULTS ..... 4-30

TABLE 4-21: GROUNDWATER SEEPAGE INTO WHALE TAIL PIT AND WHALE TAIL DIKE SEEPAGE SOURCE TERM RESULTS ..... 4-32

# *Acronyms and Abbreviations*

AGNICO EAGLE

# Acronyms and Abbreviations

| | |
|---|---|
| Agnico Eagle | Agnico Eagle Mines Ltd. |
| ARD | Acid rock drainage |
| ELOM | Economic Life of Mine |
| FEIS | Final environmental impact statement |
| Golder | Golder Associates Inc. |
| Lorax | Lorax Environmental Services Ltd. |
| mbgs | Meters below ground surface |
| ML | Metal Leaching |
| NIRB | Nunavut Impact Review Board |
| NML | Non-metal leaching |
| NPAG | Non-potentially acid generating |
| NWB | Nunavut Water Board |
| OKC | O'Kane Consultants |
| OSP | Ore stockpile |
| PAG | Potentially acid generating |
| RCP | Representative Concentration Pathway Scenario |
| STP | Sewage treatment plant |
| TDS | Total dissolved solids |
| TSS | Total suspended solids |
| WBWQM | Water balance and water quality model |
| WRCP | Waste Rock Collection Pond |
| WRSF | Waste rock storage facility |

# 1. Introduction

AGNICO EAGLE

# 1. Introduction

## 1.1 Project Overview

The Whale Tail Mine is located approximately 50 km northwest of the Meadowbank mine site in the Kivalliq region of Nunavut Territory (**Error! Reference source not found.**). Operations at the Whale Tail Mine started in September 2019 with open pit mining at the Whale Tail deposit. In 2020, Agnico Eagle Mines Ltd. (Agnico Eagle) received approval for the Whale Tail Expansion Project from the Nunavut Impact Review Board (NIRB) to expand the Whale Tail pit and develop the new IVR open pit and Underground Operations.

Lorax Environmental Services Ltd. (Lorax) was retained by Agnico Eagle to update the geochemical source terms to represent the Whale Tail Economic Life of Mine (ELOM) mine plan. The source terms were developed as inputs to the ELOM water balance and water quality model, which is described in accompanying *Whale Tail ELOM: Water Balance and Water Quality Model Technical Report.*

## 1.2 Previous Work

Geochemical characterization and source term development were completed between 2016 and 2023 in support of NIRB and Nunavut Water Board (NWB) applications for the Whale Tail Mine. This report incorporates data compiled in previous geochemical characterization program for the Whale Tail Mine (Golder 2016; Golder 2018a, Lorax 2023a). The source term derivations presented herein build on previous modelling efforts (Golder 2018b; Golder 2018c; Golder 2019; Golder 2020; Golder 2021; Lorax 2023b). The approaches to, and results of, source term derivation in these studies are drawn on for the current iteration of geochemical source terms for the Whale Tail Mine described in this report.

## 1.3 Report Objectives

The purpose of this report is to describe the geochemical source terms developed for the ELOM water balance and water quality model (WBWQM) update. Geochemical source terms are a fundamental input into the WBWQM and represent the water quality of contact water that interacts with geological materials disturbed by mining activities. Source terms were developed for the following mine components:

- Whale Tail WRSF and IVR WRSF;
- Underground waste stockpiles;
- Open pit ore stockpiles;
- Underground ore stockpiles;

- Pit wall exposure from open pits (pit wall rock);
    - Whale Tail Pit,
    - IVR Pushback, including IVR pushback;
- Underground Mine Operations.
- Non–acid generating and non-metal leaching (NPAG/NML) waste stockpile;
- Dewatered and exposed lake sediments; and
- Mine facility areas.

All source term predictions serve as inputs to the site wide water balance and water quality model (WBWQM) used to generate water quality predictions for multiple nodes within the mine footprint and in the downstream receiving environments during Construction, Operations, Active Closure and Post–closure.

## *1.4 Report Structure*

Following this introduction, Section 2 provides backgrounds on site geology, the mine plan and waste management strategies relevant to source term development. Section 3 describes data sources and assumptions used in source term development. Section 4 presents the derivation and final source term predictions. Finally, Section 5 provides a summary of source term updates.

# 2. Geology and Mine Plan

AGNICO EAGLE

# 2. Geology and Mine Plan

## 2.1 Geology

Regional and local site geology are described in detail by Agnico Eagle (2018) and Golder (2018a; *Appendix A – Summary of Regional and Site Geology*). Site geology consists of clastic sedimentary and felsic to ultramafic volcanics rock types, including chert, greywacke, iron formation, basalt, gabbro, diorite, felsic dykes, lamprophyre, and komatiite.

The geological block model and mine plan includes over 20 individual lithological unit codes. For the purpose of source term development, similar lithologies are grouped into the following primary rock types to simplify source term calculations: (1) basalt, (2) chert, (3) greywacke north, (4) greywacke central, (5) greywacke south, (6) iron formation, (7) ultramafic north, (8) ultramafic south, and (9) diorite. Units with limited characterization data, such as felsic and lamprophyre dykes and the gabbro unit, are grouped with associated lithologies which have comparable ARD/ML potential. The gabbro unit is grouped with the basalt unit, consistent with previous modelling completed by Golder (2021). Minor units, the lamprophyre dyke and felsic dyke, are grouped with the ultramafic north and diorite units, respectively. A summary of the rock units that have been included in the ELOM block model and corresponding block model code are presented in Table 2-1.

**Table 2-1:**
**Lithology Summary**

| Source Term Rock Type Grouping | Block Model Lithology | Block Model Code | Lithology Code |
|---|---|---|---|
| Basalt | Basalt North | 510 | V3N-1a |
| | Basalt South | 570 | V3S-1b |
| | Gabbro | 1350 | 13A |
| Chert | Chert Central | 520 | S10 |
| | KAN Chert | 522 | S10 |
| | Graphitic Chert | 525 | S10E |
| | Mastodonte (Graphitic Chert Mudstone) | 543 | - |
| Greywacke North | KAN Greywacke | 521 | S3 |
| | Greywacke North | 530 | S3N |
| Greywacke Central | Greywacke Central | 535 | S3C |
| Greywacke South | South Greywacke | 540 | S3S |
| | IVR Greywacke | 542 | S3 |
| Iron Formation | North Iron Formation | 580 | S9 |
| | South Iron Formation | 581 | S9 |
| | KAN Iron Formation | 582 | S9 |
| Ultramafic North | Ultramafic North | 595 | V4A-0a |
| | Lamprophyre | 1200 | I4O |
| Ultramafic South | Ultramafic South | 600 | V4A-0b |
| Diorite | South Diorite | 500 | I2S |
| | WT South Felsic Dyke | 1300 | I1 |

Note: "-" = unidentified lithology code

## *2.2 Mine Schedule*

Existing operations at the Whale Tail Mine include two open pits (Whale Tail Pit and IVR Pit), a small satellite pit adjacent to the IVR Pit (IVR Pushback) and underground operations. The approved Whale Tail Mine Operations was scheduled to be completed in 2025. The ELOM mine plan proposes operations continue until 2028 (Table 2-2).

Mine plan documentation utilized in source term development per were provided to Lorax by Agnico Eagle in Microsoft Excel spreadsheet format, which included:

- Achieved waste and ore tonnages for 2017–2023 for each facility.
- Projected waste and ore tonnages for approved Operations from 2024 to 2028 for each facility, including an annual breakdown of waste rock lithologies for each facility.

A summary of the actual waste rock, overburden and ore tonnage excavated over 2017–2023, and projected tonnages for the ELOM mine plan are summarized in Table 2-3.

## Table 2-2:
## Whale Tail Mine Development Sequence

| Source Location | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Whale Tail Pit** | | | | | | | | | | | | |
| Overburden | | | | | | | | | | | | |
| Ore | | | | | | | | | | | | |
| Waste Rock | | | | | | | | | | | | |
| **IVR Pit** | | | | | | | | | | | | |
| Overburden | | | | | | | | | | | | |
| Ore | | | | | | | | | | | | |
| Waste Rock | | | | | | | | | | | | |
| **Underground** | | | | | | | | | | | | |
| Ore | | | | | | | | | | | | |
| Waste Rock | | | | | | | | | | | | |

Note:
Orange shade indicates years that excavations are active.
Overburden and lake sediment are not distinguished in the mine plan and are grouped together.

**Table 2-3:**
**Whale Tail Mine Plan Material Summary**

| Year | Waste Rock (tonnes) | Overburden (tonnes) | Ore (tonnes) |
|---|---|---|---|
| 2017 | 272,090 | 199,454 | - |
| 2018 | 2,006,422 | 735,664 | 46,149 |
| 2019 | 12,246,381 | 1,510,888 | 1,140,323 |
| 2020 | 31,956,347 | 1,699,327 | 3,032,794 |
| 2021 | 34,022,619 | 622,159 | 4,085,788 |
| 2022 | 32,672,776 | - | 4,274,341 |
| 2023 | 32,517,312 | 2,187 | 3,842,648 |
| 2024 | 27,373,256 | 394,577 | 4,696,653 |
| 2025 | 24,399,476 | - | 4,844,264 |
| 2026 | 8,387,859 | - | 3,686,279 |
| 2027 | 1,148,551 | - | 1,547,580 |
| 2028 | 2,400 | - | 353,240 |
| Achieved (2017-2023) | 145,693,947 | 4,769,679 | 16,422,043 |
| ELOM (2024-2028) | 61,311,543 | 394,577 | 15,128,016 |
| **Total** | **207,005,490** | **5,164,256** | **31,550,059** |

Note:
Achieved tonnages are actual tonnages excavated from 2017–2023
Projected tonnages are for planned excavations from 2024–2028
Waste rock tonnages include NPAG and PAG waste rock

## 2.3 Mine Waste Management

The Whale Tail operations produces three types of waste material: (1) potentially acid generating or metal leaching waste rock (PAG/ML), (2) not potentially acid–generating and non–metal leaching waste rock (NPAG/ML) and (3) overburden and lake sediment. The ARD and ML potential of mine waste is based on site specific classification criteria described in detail in the *Operational ARD–ML Sampling and Testing Plan*.

A summary of ARD and ML potential for the various waste rock types is provided in Table 2-4. For the purpose of source term development, diorite and south greywacke units are grouped as NPAG/NML waste rock due to low NPAG and ML potential, and all other rock units are grouped as PAG/ML due to ARD or ML potential.

Waste rock and ore management strategies for the ELOM mine plan are consistent with the approved management strategy described in the *Waste Rock Management Plan*. Key features of this management plan relevant for source term determination are as follows:

- Run–of–mine ore from the open pits is temporarily stockpiled in dedicated ore stockpiles, and ore from the underground is stored in separate ore stockpiles adjacent to underground portal.
- Ore generated from the mine is temporarily stockpiled at the Whale Tail Mine site before being hauled and processed at the Meadowbank Facility. Tailings will not be generated nor stockpiled at the site.
- Underground waste rock is temporarily stockpiled at the mine surface or used as rock fill in the mine underground. At the end of Operations all remaining underground waste rock will be placed in the underground.
- Open pit waste rock classified as PAG/ML is deposited in a waste rock storage facility (WRSF) for long–term management. Waste from the Whale Tail pit is generally deposited in the Whale Tail WRSF and waste from the IVR Pit is generally deposited in the IVR WRSF. All PAG/ML waste rock in these facilities will be covered by a 4.7 m thick NPAG/NML waste rock layer by end of Active Closure.
- Open pit waste rock classified as NPAG/NML can be used as construction material, cover material for the WRSFs, or as reclamation material. NPAG/NML waste rock is directly used or temporarily stockpiled in the NPAG stockpile before use on site.
- Lake sediment and overburden waste will be deposited in the WRSF and encapsulated similar to PAG/ML waste rock.

**Table 2-4:**
**Mine Waste Acid Rock Drainage and Metal Leaching Potential Summary**

| Rock Type | ARD Potential | ML Potential | Waste Type |
|---|---|---|---|
| Diorite | No | Low | NPAG/NML Waste Rock |
| Greywacke South | No | Low | |
| Basalt | No | Moderate | PAG/ML Waste Rock |
| Chert | Yes | Variable | |
| Greywacke North | Variable | Variable | |
| Greywacke Central | Yes | Variable | |
| Iron Formation | Variable | High | |
| Ultramafic North | No | High | |
| Ultramafic South | No | Moderate | |
| Overburden | No | Low | Overburden and Lake Sediment |
| Lake Sediment | No | Low | |

# 3. Data Sources and Assumptions



# 3. Data Sources and Assumptions

## 3.1 Hydrology and Water Balance

A mean annual precipitation of 302 mm/year through the Operations and Closure periods was calculated using the average water year precipitation totals in the Whale Tail Pit from 2020-2023. For the Post-Closure period, annual precipitation was adjusted to reflect future climate projections under the RCP6.0 representative concentration pathway. A complete description of climate inputs and the watershed model are described in the accompanying *Whale Tail ELOM: Water Balance and Water Quality Model Technical Report.*

Landform modelling of the WRSFs was completed by OKC (2022). Thermal modelling and the landform model water balance were used as inputs and assumptions for development of the WRSF source terms. Based on the calibration to site monitoring data, it is assumed that 20% of incident precipitation reports as runoff and interflow, while the remainder is lost to evaporation, sublimation or is frozen in the interior of the WRSF (Table 3-1). Runoff coefficient applied to ore stockpiles and mine facilities areas were 0.8 and 0.5, respectively as per water balance inputs developed for the WBWQM.

Pit sump pumping records from 2020, 2021 and 2022 were used to constrain the pit wall runoff coefficient, as described in Lorax (2024a). This analysis disaggregated pit wall runoff from groundwater and upgradient natural catchments reporting to the open pits and resulted in an average pit wall runoff coefficient of 0.4 (Table 3-1).

**Table 3-1:**
**Runoff Coefficients**

| Mine Facility | Runoff Coefficient |
|---|---|
| WRSFs and NPAG/ML stockpile | 0.2 |
| Open Pits | 0.4 |
| Mine Facilities Areas | 0.5 |
| Ore Stockpiles | 0.8 |

## 3.2 Underground Mine Groundwater Seepage

Underground dewatering volumes associated with future mine development were predicted using a 3D groundwater model (Lorax 2024). The values presented in Table 3-2 were used in derivation of the Underground source terms.

**Table 3-2:**
**Modelled Groundwater Inflow Rates to the Underground Mine (Lorax 2024)**

| Year | Underground Inflow ($m^3$) |
|---|---|
| 2022 | 2 |
| 2023 | 7 |
| 2024 | 14 |
| 2025 | 26 |
| 2026 | 23 |
| 2027 | 21 |
| 2028 | 19 |

## *3.3 Geochemical Loading Rates*

Geochemical loading rates for ore and waste rock are calculated from unsaturated kinetic tests. A comprehensive kinetic testing program exists for Whale Tail Mine waste rock and ore, consisting of humidity cells (n=21), large column leaching tests (n=9), and field cells (n=2) (Golder 2018). The waste rock and ore loading rates used to develop the current source terms are the same as those applied in previous water quality model iterations (Golder 2018b, 2019 and 2021; Lorax 2023b) and are presented in Table 3-3.

**Table 3-3:**
**Waste rock and ore loading rates developed from unsaturated kinetic tests by lithology (from Golder 2019)**

| Parameter | Ore | Greywacke South | Greywacke Central | Greywacke North | Chert | Iron Formation | Ultramafic North | Ultramafic South | Basalt | Diorite | NPAG/NML |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/kg/month | mg/kg/month | mg/kg/month | mg/kg/month | mg/kg/month | mg/kg/month | mg/kg/month | mg/kg/month | mg/kg/month | mg/kg/month | mg/kg/month |
| Chloride | 6.1 | 0.072 | 0.26 | 0.33 | 0.33 | 0.54 | 0.29 | 0.27 | 0.19 | 0.98 | 0.48 |
| Fluoride | 0.064 | 0.0053 | 0.024 | 0.027 | 0.032 | 0.0074 | 0.008 | 0.0098 | 0.018 | 0.059 | 0.029 |
| Sulphate | 19 | 1.6 | 22 | 34 | 34 | 4.1 | 2.1 | 3.2 | 2.3 | 1.8 | 1.7 |
| Silver | 0.000052 | 0.00000073 | 0.0000012 | 0.0000045 | 0.0000029 | 0.0000035 | 0.0000016 | 0.0000025 | 0.0000022 | 0.0000028 | 0.0000017 |
| Aluminum | 0.025 | 0.0022 | 0.0024 | 0.00094 | 0.00075 | 0.0017 | 0.0016 | 0.0038 | 0.0028 | 0.039 | 0.019 |
| Arsenic | 0.065 | 0.0021 | 0.0014 | 0.00025 | 0.0024 | 0.55 | 0.52 | 0.13 | 0.068 | 0.0048 | 0.0033 |
| Boron | 0.0097 | 0.001 | 0.0033 | 0.0038 | 0.0055 | 0.003 | 0.0025 | 0.0013 | 0.0014 | 0.0017 | 0.0013 |
| Barium | 0.0067 | 0.0011 | 0.0014 | 0.00098 | 0.0025 | 0.0015 | 0.0029 | 0.0038 | 0.0094 | 0.0023 | 0.0016 |
| Beryllium | 0.000011 | 0.00000025 | 0.00000067 | 0.00000063 | 0.00000067 | 0.00000067 | 0.00000072 | 0.00000064 | 0.00000064 | 0.0000069 | 0.0000032 |
| Calcium | 8.6 | 0.73 | 8.7 | 12 | 13 | 1.6 | 1.1 | 1.3 | 1.2 | 1.1 | 0.89 |
| Cadmium | 0.0000051 | 0.00000039 | 0.0000019 | 0.000016 | 0.0000047 | 0.00000033 | 0.00000056 | 0.00000048 | 0.00000066 | 0.0000031 | 0.0000016 |
| Cobalt | 0.00082 | 0.0000089 | 0.000057 | 0.00034 | 0.00021 | 0.000082 | 0.000088 | 0.000062 | 0.000049 | 0.00015 | 0.000074 |
| Chromium | 0.000069 | 0.0000045 | 0.0000037 | 0.00001 | 0.0000063 | 0.000013 | 0.000021 | 0.000017 | 0.000036 | 0.000029 | 0.000016 |
| Copper | 0.00091 | 0.000025 | 0.000055 | 0.0001 | 0.000033 | 0.000042 | 0.000081 | 0.000045 | 0.00012 | 0.00021 | 0.00011 |
| Iron | 0.24 | 0.00029 | 0.001 | 0.00081 | 0.0011 | 0.00083 | 0.0014 | 0.00082 | 0.001 | 0.0074 | 0.0035 |
| Mercury | 0.0000098 | 0.00000037 | 0.00000094 | 0.00000096 | 0.00000098 | 0.00000099 | 0.000001 | 0.00000092 | 0.00000091 | 0.0000098 | 0.0000046 |
| Potassium | 3.7 | 0.54 | 3.6 | 2.5 | 4.7 | 2.2 | 1.7 | 2 | 2 | 1 | 0.76 |
| Lithium | 0.0014 | 0.00015 | 0.00045 | 0.00059 | 0.00052 | 0.00032 | 0.00031 | 0.00051 | 0.00075 | 0.00063 | 0.00036 |
| Magnesium | 1 | 0.14 | 0.65 | 1.8 | 1.2 | 0.49 | 0.48 | 0.59 | 0.54 | 0.13 | 0.14 |
| Manganese | 0.089 | 0.00042 | 0.0097 | 0.13 | 0.049 | 0.0017 | 0.001 | 0.0015 | 0.0013 | 0.0048 | 0.0024 |
| Molybdenum | 0.0013 | 0.0002 | 0.00068 | 0.00011 | 0.0003 | 0.00014 | 0.00017 | 0.00043 | 0.00051 | 0.0013 | 0.0007 |
| Sodium | 1.1 | 0.064 | 1 | 0.53 | 2.1 | 0.39 | 0.18 | 0.17 | 0.18 | 0.1 | 0.082 |
| Nickel | 0.031 | 0.00004 | 0.00025 | 0.0013 | 0.0017 | 0.0024 | 0.0012 | 0.00057 | 0.00041 | 0.0003 | 0.00016 |
| Phosphorus | 0.0048 | 0.00017 | 0.00038 | 0.00039 | 0.00038 | 0.00048 | 0.0004 | 0.0004 | 0.0018 | 0.00058 | 0.00036 |
| Lead | 0.000032 | 0.0000047 | 0.0000033 | 0.0000065 | 0.0000036 | 0.000002 | 0.000004 | 0.0000042 | 0.000016 | 0.000021 | 0.000012 |
| Antimony | 0.0017 | 0.000082 | 0.00026 | 0.00012 | 0.00028 | 0.0083 | 0.0046 | 0.0006 | 0.00043 | 0.00038 | 0.00021 |
| Selenium | 0.00017 | 0.000031 | 0.00017 | 0.00026 | 0.00014 | 0.000054 | 0.000085 | 0.00012 | 0.00061 | 0.000075 | 0.000051 |
| Strontium | 0.022 | 0.0046 | 0.017 | 0.023 | 0.038 | 0.0095 | 0.011 | 0.011 | 0.019 | 0.0031 | 0.0039 |
| Thallium | 0.000028 | 0.0000013 | 0.0000011 | 0.000002 | 0.0000014 | 0.0000013 | 0.0000045 | 0.000005 | 0.000004 | 0.0000052 | 0.000003 |
| Uranium | 0.00004 | 0.00023 | 0.00078 | 0.00039 | 0.0003 | 0.000034 | 0.000081 | 0.00029 | 0.00032 | 0.00043 | 0.00032 |
| Vanadium | 0.00026 | 0.000074 | 0.000016 | 0.0000068 | 0.0000083 | 0.00067 | 0.0011 | 0.00076 | 0.0018 | 0.00052 | 0.00028 |
| Zinc | 0.002 | 0.000079 | 0.00019 | 0.00047 | 0.00025 | 0.00019 | 0.00019 | 0.00018 | 0.00018 | 0.002 | 0.00093 |

Note: The ultramafic units have been described as komatiites in previous characterization reports (*i.e.*, Golder 2019). The nomenclature has been updated here to reflect current Agnico Eagle lithological modelling codes.

## *3.4 Scaling Factors*

Scaling factors were applied to adjust kinetic test loading rates to account for differences between lab–based tests and field conditions. These include, but are not limited to, hydrogeological pathways, water/rock ratio, temperature, grain size distribution, and reaction mechanisms. Grain size, channelization, and temperature scaling factors from the previous model iteration (*i.e.*, Golder 2021) were applied in source term development (Table 3–4). The reader is directed to Golder (2019) for description and rationale of applied channelization and temperature scaling factors.

The interaction depths used for calculating loads from various mine facilities is the same as those applied in previous models (Golder, 2018b; 2019; 2021; Lorax, 2023b). The interaction depth for the WRSF and temporary stockpiles is based on thermal modelling completed by OKC (2019) which estimated an interaction depth of 4.7 m which occurs from June to September through Operations in the active layer. A summary of the interaction depths and scaling factors applied in source term calculations is presented in Table 3-4. Note that WRSF scaling factors are adjusted for climate forecasts during the closure period as described in Section 4.2.2.

**Table 3-4:**
**Source Term Scaling Factors**

<table>
<tr><th>Mine Facility</th><th>Channelization Factor</th><th>Temperature Scaling Factor</th><th>Grain Size Factor</th><th>Interaction Depth</th></tr>
<tr><td>WRSFs*</td><td rowspan="4">June to September: 0.1</td><td rowspan="4">June to September: 0.25<br><br>July and August: 0.5</td><td rowspan="4">June to September: 0.3</td><td rowspan="3">4.7 m</td></tr>
<tr><td>Underground waste rock stockpiles</td></tr>
<tr><td>Ore stockpiles</td></tr>
<tr><td>NPAG/ML stockpile</td></tr>
<tr><td>Mine facilities areas</td><td>2 m</td></tr>
<tr><td>Open Pits</td><td>June to September: 0.3</td><td>June to September: 0.25</td><td>June to September: 0.3</td><td>1 m</td></tr>
<tr><td>Underground wall rock</td><td>0.3</td><td>0.25</td><td>0.3</td><td>1 m</td></tr>
<tr><td>Underground waste rock backfill</td><td>0.1</td><td>0.25</td><td>0.3</td><td>–</td></tr>
</table>

Note: Source term calculations assume no loading from October to May for all surface facilities. Loadings are assumed to occur for all months of the year for the underground mine.

*WRSF scaling factors for Operations only. Scaling factors are adjusted in closure phases as discussed in Section 4.2.2.

## *3.5 Solubility Controls*

Scaling kinetic test loading rates often results in upscaled concentrations that exceed solubility limits and produce errors in the solution charge balance, particularly in neutral

pH environments where a number of thermodynamic solubility constraints can exert an influence on drainage chemistry. To address these considerations, thermodynamic solubility constraints were applied for select mineral phases, and the major ion charge balance was adjusted to achieve ion neutrality.

Concentration limits for aluminum (Al), iron (Fe) and phosphorous (P) were developed using the United States Geological Survey numerical modelling program PHREEQC (Parkhurst and Appello, 1999). The mineral solubility limits were developed by calculating the solubility of hydroxyapatite [$Ca_5(PO_4)_3(OH)$], aluminum hydroxide [$Al(OH)_3$], and ferric hydroxide [$Fe(OH)_3$].

Concentration limits were applied as follows:

- Constant solubility caps were applied for Al (0.44 mg/L) and Fe (0.072 mg/L) by assuming aluminum hydroxide, and ferric hydroxide equilibrium at pH 7.0 and major ion chemistry typical of Whale Tail Mine drainage.
- A variable solubility cap was developed for P by capping concentrations with hydroxyapatite [$Ca_5(PO_4)_3OH$] solubility at a constant pH of 7.0 and source term specific Ca concentrations. That is, P solubility varied in each source term based on Ca concentrations, which typically ranged from 25 to 200 mg/L. This results in a P solubility cap typically ranging from 0.0031 to 0.024 mg/L.

Adjustments to major ions were made to correct errors in charge balance caused by upscaling kinetic tests. That is, all aqueous solutions must be electrically neutral such that the total sum of all positive cations must equal the sum of all negative anions. This charge balance is lost through the process of upscaling averaging kinetic test results. To correct the charge balance, concentration of major cations (Ca, Mg and Na) were adjusted to achieve charge balance with major anions (Cl and $SO_4$), while maintaining the elemental ratios of these cations observed in kinetic test leachate.

## *3.6 Ammonia and Phosphorous Decay*

### 3.6.1 Ammonia

Nitrogen species are subject to biological transformations in aquatic systems. Ammonia represents a key nitrogen species that is expected to decay in surface waterbodies via various processes, including nitrification, algal uptake, and volatilization. Of these processes, algal growth and volatilization are expected to have limited impact on nitrogen concentrations at Whale Tail. This is because algal growth in freshwater systems is typically phosphorus limited, and ammonia ($NH_3$) uptake is negligible under oligotrophic conditions typical of baseline conditions at Whale Tail Mine. Ammonia loss via volatilization (as un–ionized $NH_3$) is insignificant at the circumneutral pH range observed

at the Whale Tail Mine. For these reasons, nitrification is considered the most likely process to influence nitrogen concentrations.

Nitrification is a process in which ammonia is oxidized to nitrite ($NO_{2)}$ and nitrate ($NO_3$) sequentially by nitrifying bacteria (Bernhard, 2010). Nitrite is an intermediate product generated via $NH_3$ oxidation, the first and rate–limiting step of nitrification. Once generated, $NO_2$ is expected to be quickly consumed via further oxidation to $NO_3$. The rate of nitrification is dependent on ambient conditions, including dissolved oxygen, temperature, pH, and ammonia concentration. Nitrification was applied to the WBWQM as follows:

- A conservative nitrification rate of 0.001 mg/L/d is adopted from literature (Nilsson & Widerlund, 2018; Chlot et al., 2011) based on observations and simulations for cold–climate mining ponds with comparable water quality as predicted in attenuation ponds and pit lakes at the Whale Tail Mine.
- Nitrification is applied at the following model nodes over the growing season (June – September), when water temperatures are more favorable for bacterial growth.
    - WTS Lake and Kangislulik Lake
    - Whale Tail Attenuation Pond and IVR Attenuation Pond
    - IVR Pit, Whale Tail Pit, and Whale Tail North Basin
- The modelled mass ratio of $NH_3/NO_2$ decay and $NO_3$ production is 1:1 based on stoichiometry and conservation of mass.
- Nitrification is applied until $NH_3$ is reduced to the minimum concentration (0.001 mg/L).

### 3.6.2 Phosphorus

During Operations, the sewage treatment plant (STP) represents the primary source of phosphorus. Treated effluent from the STP is discharged to the Whale Tail Attenuation Pond (2020–2021) and IVR Attenuation Pond (2022–end of Operations). In 2021, phosphorus concentrations observed in the Whale Tail Attenuation Pond are significantly lower than those estimated from conservative mixing of observed STP effluent (ST-WT-11) into the Whale Tail Attenuation Pond (ST-WT-1) (Figure 3-1). The results suggest that phosphorus from the STP is effectively removed (by ~90%) in the pond environment.

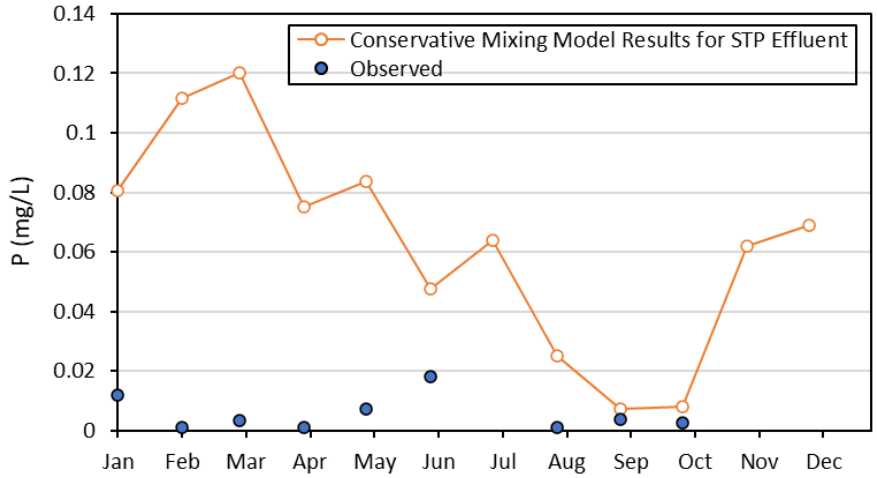



**Figure 3-1: Phosphorus (P) concentrations observed in the Whale Tail Attenuation Pond (ST-WT-1; 2021 monthly average) compared to those estimated from conservative mixing of STP discharge (ST-WT-11).**

Theoretically, phosphorus can be removed from solution via 1) algal uptake; 2) mineral precipitation; and 3) adsorption onto particles. However, algal uptake is unlikely the mechanism governing phosphorus decay in the Whale Tail Attenuation Pond since a ~90% removal rate was observed year–round rather than seasonally (i.e., during the growing season). Mineral precipitation as phosphate minerals is also unlikely as saturation indices (SI) calculated in PHREEQC show secondary phosphate minerals are undersaturated. Hence, loss of phosphorus via adsorption onto mineral surfaces remains the most plausible mechanism. The inferred adsorption of phosphorus onto total suspended solids (TSS) in the Whale Tail Attenuation Pond is supported by both empirical data and theory, specifically:

- Monitoring data show high levels of TSS in the Whale Tail Attenuation Pond (Figure 3-2), which could serve as adsorption sites for phosphorus.
- The total phosphorus to total iron ratios (T–P/T–Fe) observed in the Whale Tail Attenuation Pond (Figure 3-2) show periodic enrichment of phosphorus relative to the average particulate fraction assumed for waste rock (Golder 2019); and
- The adsorption of phosphorus (as orthophosphate) onto iron hydroxides is well documented in literature (Lijklema, 1980).

Based on the above, a 90% phosphorus removal rate is applied year–round for STP effluent discharged to the Whale Tail Attenuation Pond and IVR Attenuation Pond during Operations. The O-WTP sludge will be disposed within the Whale Tail WRSF, where it freezes back with the waste rock; mitigating any potential remobilization during the closure phases., as per the Whale Tail Mine Water Management Plan (Agnico Eagle, 2024). Therefore, no consideration of P remobilization is considered in the WBWQM.

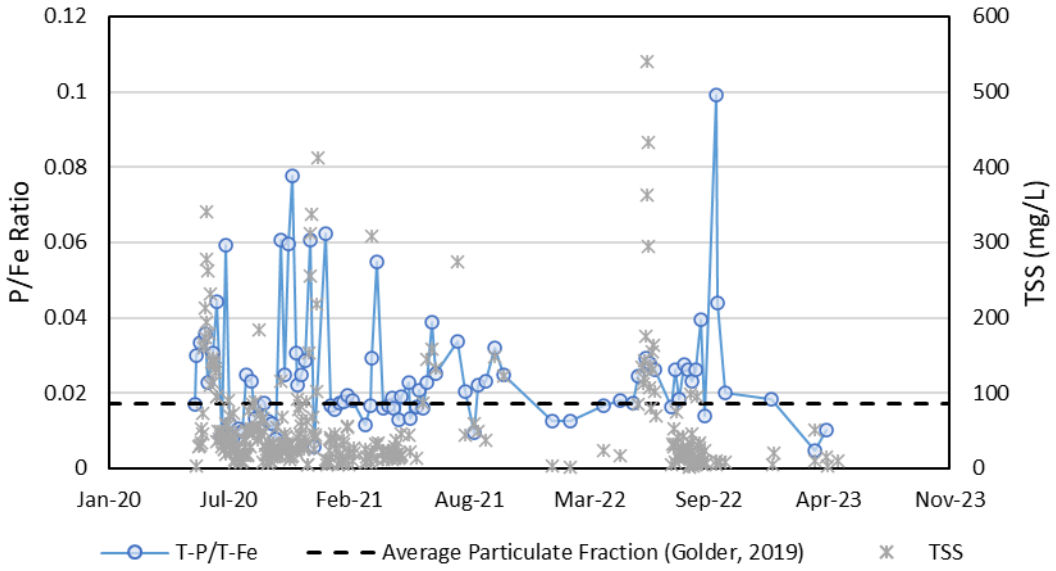



**Figure 3-2: Phosphorus to iron (T–P/T–Fe) ratios observed in the Whale Tail Attenuation Pond compared to the average particulate fraction assumed for waste rock (Golder, 2019). Total suspended solids (TSS) plotted on secondary y–axis.**

## *3.7 Source Term Calibration*

Mine site flows and source loadings were parameterized via a calibration exercise that utilized monitoring data from the early Operations period (2020-2022). The source term calibration exercise utilized the calibrated water balance and is completed in two steps:

- A tracer model was run within GoldSim to track the relative contribution of contact water from mine facilities to downstream monitoring locations.
- Parameter specific 'calibration factors' were developed to fit source term concentrations to observed water quality.

The calibrated scaling factors were then carried forward for use in the predictive model.

### 3.7.1 Tracer Model

The tracer model was initiated in 2020 using the same water balance as described for the 2020-2022 calibration period in the *Whale Tail ELOM: Water Balance and Water Quality Model Technical Report*. The only modification to the tracer model was that tracers (rather than source terms) were assigned to each source of water contributing to the monitoring location. In this way, contributions from mine facility contact water can be distinguished from non-contact flows entering the monitoring locations (*e.g.*, groundwater seepage). Monitoring locations selected for source term calibration included the WT Pit Sump (ST-WT-4), IVR Pit Sump (ST-WT-18), WT WRSF Collection Pond (WT-WRCP; ST-WT-3),

and IVR WRSF Seeps (ST-WT-36 and ST-WT-35). These monitoring locations were selected as they are directly down gradient of existing mine facilities (*i.e.*, WT Pit, IVR Pit, WT WRSF and IVR WRSF, respectively). The tracer results for the IVR Pit Sump, the WT Pit Sump and the WT WRSF Pond are shown in Figure 3-3. No tracer results are shown for IVR WRSF seeps as seepage monitoring is entirely composed of IVR WRSF contact water.

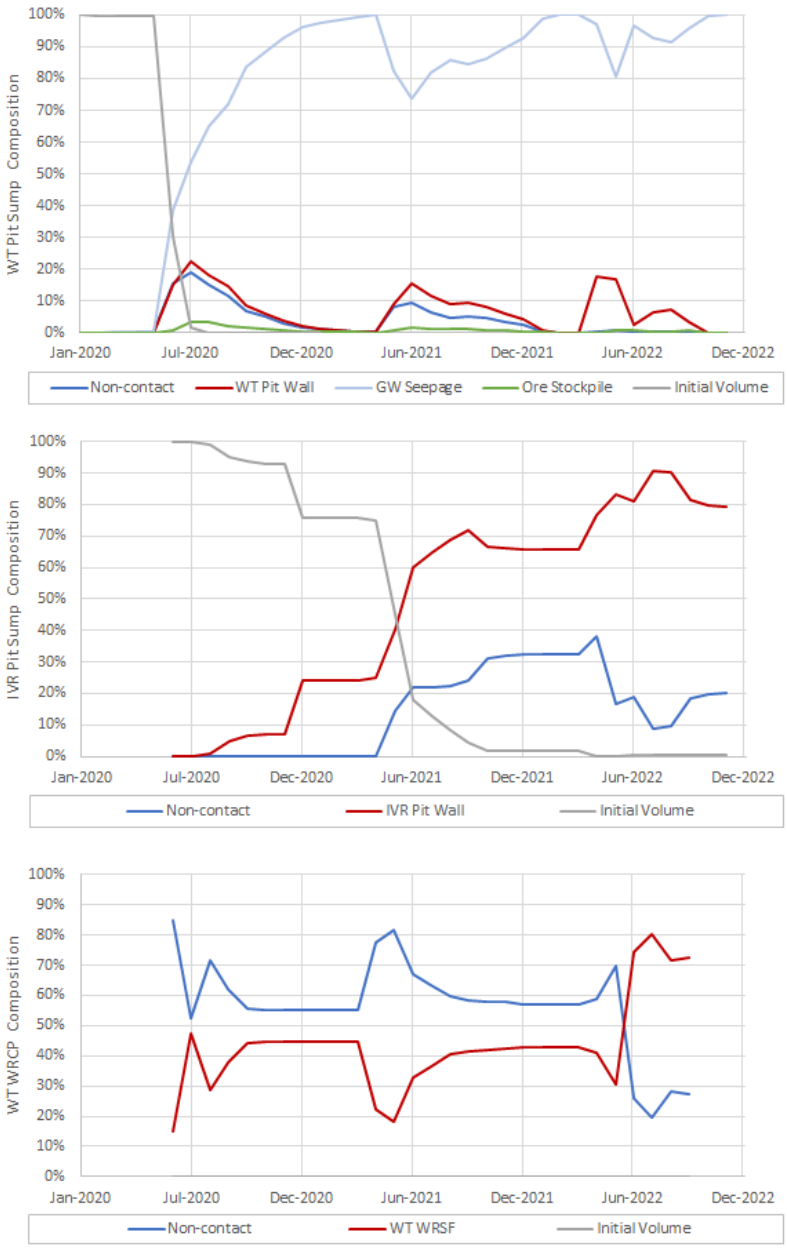



**Figure 3-3: Percent of various water sources contributing to ponds and sumps in 2020, 2021 and 2022 predicted by the GoldSim tracer model for the WT Pit Sump (top), IVR Pit sump (middle) and WT WRSF Attenuation Pond (bottom).**

### 3.7.2 Calibration of Scaling Factors

The tracer results from the early Operations period (2020-2022) were used to develop calibration factors for WRSFs and mine pits. This was completed in the following steps:

- Tracer results were used to estimate the relative flow contribution from different mine facilities to ponds and sumps on an annual time stepFigure 3-3.
- Non-calibrated source terms for groundwater seepage, ore stockpile seepage and non-contact water were calculated based on tracer results to estimate the loading contributions from these sources.
- Average concentrations were calculated for summer months (July to September) in 2020, 2021 and 2022 at WT WRSF Pond (ST-WT-3), WT Pit Sump (ST-WT-4), IVR Pit Sump (ST-WT-18), and IVR WRSF Seeps (ST-WT-36 and ST-WT-35).
    - Dissolved metal concentrations were used when available. Total metal concentrations were incorporated from sampling events where dissolved metals were not measured. Note that all WT Pit and IVR Pit samples included dissolved metal measurements, while a majority of WT WRSF and IVR WRSF monitoring only measured total metal concentrations.
- The loading contributions from non-calibrated inputs were subtracted from the observed concentrations. The remaining concentration was attributed to runoff from the calibration targets (*e.g.*, WT Pit, WT WRSF, *etc*.).
- Calibration scaling factors (calibration factors) were developed by which upscaled source term loading rates could be multiplied to re-produce observed water quality. Calibration factors were developed on an annual basis for each mine waste facility.
- Parameters selected for calibration were chloride, fluoride, sulphate, arsenic, barium, copper, manganese, molybdenum, nickel, and selenium. These parameters were selected as they were consistently above method detection limits. In years where the majority of measurements were below detection limit, a calibration factor of 1 was assigned (*i.e.*, no adjustment from upscaled values).

Overall, the calibration factors represent the ratio of the upscaled concentrations developed from kinetic testing data and the calibrated concentration developed from monitoring data via the tracer model. These values, along with resulting calibration factors are shown in Table 3-5 through Table 3-8. The average calibration factors shown in these tables were applied to the predictive model (*e.g.*, 2023 onwards).

## Table 3-5:
## Whale Tail WRSF Upscaled Concentrations, Calibrated Concentrations and Calibration Factors

| Parameter | Upscaled Concentration (mg/L) | | | Calibrated Concentrations (mg/L) | | | Calibration Factor (ratio) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2020 | 2021 | 2022 | 2020 | 2021 | 2022 | 2020 | 2021 | 2022 | 2023-2069 |
| Cl | 2.0 | 2.5 | 2.5 | 30 | 13 | 5.8 | 15 | 5.3 | 2.3 | 7.4 |
| F | 0.099 | 0.12 | 0.13 | 0.14 | 0.27 | 0.13 | 1.4 | 2.2 | 1.0 | 1.6 |
| $SO_4$ | 89 | 66 | 49 | 210 | 128 | 67 | 2.4 | 1.9 | 1.4 | 1.9 |
| As | 1.4 | 1.5 | 1.4 | 0.016 | 0.013 | 0.0079 | 0.011 | 0.0087 | 0.0057 | 0.0086 |
| Ba | 0.013 | 0.020 | 0.022 | 0.12 | 0.077 | 0.041 | 8.9 | 3.8 | 1.9 | 4.9 |
| Cu | 0.00033 | 0.00050 | 0.00058 | 0.0033 | 0.0049 | 0.0025 | 10 | 9.8 | 4.3 | 8.1 |
| Mn | 0.17 | 0.11 | 0.079 | 0.63 | 0.23 | 0.070 | 3.7 | 2.0 | 0.88 | 2.2 |
| Mo | 0.0015 | 0.0025 | 0.0029 | 0.0022 | 0.0027 | 0.0016 | 1.5 | 1.1 | 0.55 | 1.0 |
| Ni | 0.0083 | 0.0076 | 0.0062 | 0.056 | 0.030 | 0.0087 | 6.8 | 3.9 | 1.4 | 4.0 |

Note: Calibration factors of "1" are applied for parameters where monitoring data was generally below the analytical limit of detection (*i.e.*, selenium).

## Table 3-6:
## IVR WRSF Upscaled Concentrations, Observed Concentrations and Calibration Factors

| Parameter | Upscaled Concentration (mg/L) | | Observed Concentrations (mg/L) | | Calibration Factor (ratio) | | |
|---|---|---|---|---|---|---|---|
| | 2021 | 2022 | 2021 | 2022 | 2021 | 2021 | 2023-2069 |
| Cl | 2.6 | 2.3 | 8.6 | 3.18 | 3.2 | 1.4 | 2.3 |
| F | 0.14 | 0.12 | 0.10 | 0.10 | 0.71 | 0.82 | 0.76 |
| $SO_4$ | 24 | 51 | 42 | 14 | 1.7 | 0.27 | 1.0 |
| As | 0.99 | 1.7 | 0.15 | 0.080 | 0.15 | 0.048 | 0.10 |
| Ba | 0.017 | 0.020 | 0.072 | 0.046 | 4.2 | 2.3 | 3.3 |
| Cu | 0.00061 | 0.00061 | 0.0011 | 0.0017 | 1.8 | 2.8 | 2.3 |
| Mn | 0.017 | 0.12 | 0.23 | 0.32 | 14 | 2.6 | 8.4 |
| Mo | 0.0037 | 0.0025 | 0.0016 | 0.0011 | 0.44 | 0.45 | 0.45 |
| Ni | 0.0033 | 0.0059 | 0.015 | 0.020 | 4.6 | 3.5 | 4.0 |

Note: Calibration factors of "1" are applied for parameters where monitoring data was generally below the analytical limit of detection (i.e., selenium).

**Table 3-7:**
**Whale Tail Pit Upscaled Concentrations, Calibrated Concentrations and Calibration Factors**

| Parameter | Upscaled | | | Calibrated | | | Calibration | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration (mg/L) | | | Concentrations (mg/L) | | | Factor (ratio) | | | |
| | 2020 | 2021 | 2022 | 2020 | 2021 | 2022 | 2020 | 2021 | 2022 | 2023-2069 |
| Cl | 1.2 | 1.2 | 1.2 | 433 | 42 | 56 | 347 | 34 | 46 | 40 |
| F | 0.069 | 0.070 | 0.069 | 0.34 | 0.49 | 0.26 | 5.0 | 7.1 | 3.7 | 5.3 |
| $SO_4$ | 16 | 23 | 28 | 301 | 910 | 707 | 19 | 40 | 44 | 34 |
| As | 0.47 | 0.44 | 0.43 | 0.14 | 1.0 | 4.0 | 0.29 | 2.3 | 8.5 | 3.7 |
| Ba | 0.0070 | 0.0068 | 0.0064 | 0.25 | 0.091 | - | 36 | 14 | **1** | 17 |
| Cu | 0.00027 | 0.00028 | 0.00028 | 0.041 | - | 0.010 | 148 | **1** | 36 | 62 |
| Mn | 0.018 | 0.048 | 0.072 | 0.013 | - | - | **1** | **1** | **1** | **1** |
| Mo | 0.0015 | 0.0014 | 0.0013 | 0.10 | 0.042 | 0.12 | 67 | 29 | 79 | 59 |
| Ni | 0.0020 | 0.0021 | 0.0023 | 0.17 | 0.19 | 1.3 | 85 | 87 | 627 | 266 |
| Se | 0.00029 | 0.00033 | 0.00036 | 0.0052 | 0.0023 | 0.00033 | 18 | 6.9 | 1 | 8.7 |

Note: Where the corrected observed concentration resulted in negative value, the value was replaced with '-'. In these instances, or where monitoring data was typically below the analytical limit of detection for a given year and parameter, a calibration factor of 1 is applied.

**Table 3-8:**
**IVR Pit Upscaled Concentrations, Calibrated Concentrations and Calibration Factors**

| Parameter | Upscaled | | Calibrated | | Calibration | | |
|---|---|---|---|---|---|---|---|
| | Concentration (mg/L) | | Concentrations (mg/L) | | Factor (ratio) | | |
| | 2021 | 2022 | 2021 | 2022 | 2021 | 2021 | 2023-2069 |
| Cl | 0.72 | 0.68 | 173 | 203 | 409 | 346 | 378 |
| F | 0.034 | 0.040 | 0.19 | 0.17 | 9.7 | 4.8 | 7.2 |
| $SO_4$ | 16 | 17 | 220 | 180 | 23 | 12 | 17 |
| As | 0.79 | 0.63 | 3.7 | 4.5 | 8.0 | 8.3 | 8.1 |
| Ba | 0.011 | 0.014 | 0.13 | 0.13 | 21 | 10 | 15 |
| Cu | 0.00022 | 0.00025 | 0.0077 | 0.0020 | 60 | 9.2 | 35 |
| Mn | 0.037 | 0.038 | 0.26 | 0.045 | 12 | 1.4 | 6.6 |
| Mo | 0.00076 | 0.00090 | 0.011 | 0.016 | 25 | 20 | 23 |
| Ni | 0.0025 | 0.0023 | 0.18 | 0.19 | 120 | 99 | 110 |
| Se | 0.00056 | 0.00084 | 0.0026 | 0.0024 | 7.9 | 3.3 | 5.6 |

### 3.7.3 Validation of Source Terms

To validate model inputs, the calibrated source terms were input to the ELOM WBWQM to predict water quality at calibration nodes. The model results for all calibrated parameters are compared against monitoring results in timeseries plots included in Appendix B. Timeseries plots of arsenic, copper, nickel, TDS, chloride and $SO_4$ are also shown below as example (Figure 3-4 to **Error! Reference source not found.**). The validation exercise

demonstrates that the geochemical source terms can reasonably reproduce observed concentrations. Note that validation results for downstream model nodes (Whale Tail Attenuation Pond, Whale Tail South Basin, and Kangislulik Lake) are presented in the accompanying *Whale Tail ELOM: Water Balance and Water Quality Model Technical Report.*

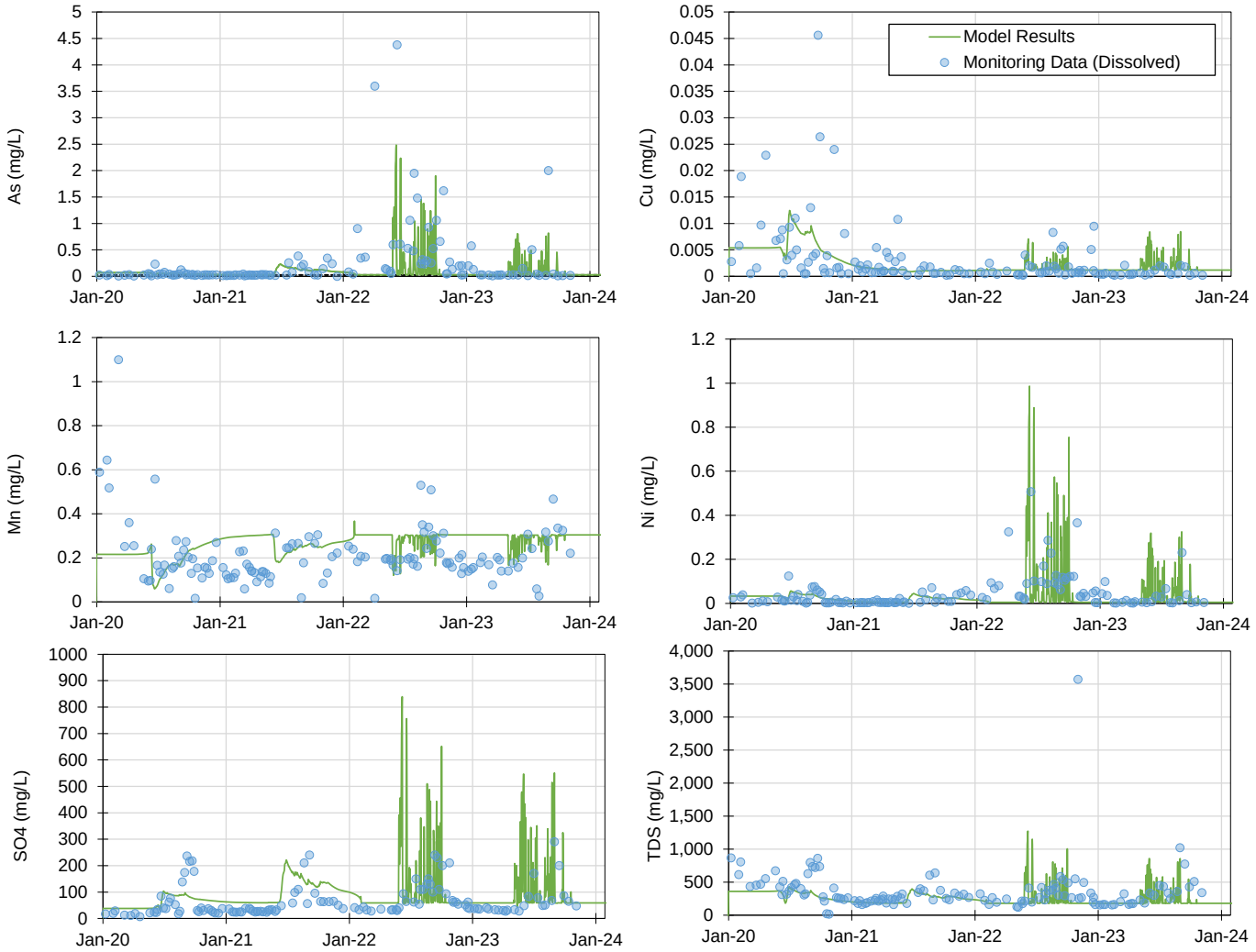



**Figure 3-4: Whale Tail Pit water quality model results validated against ST-WT-4 monitoring data.**

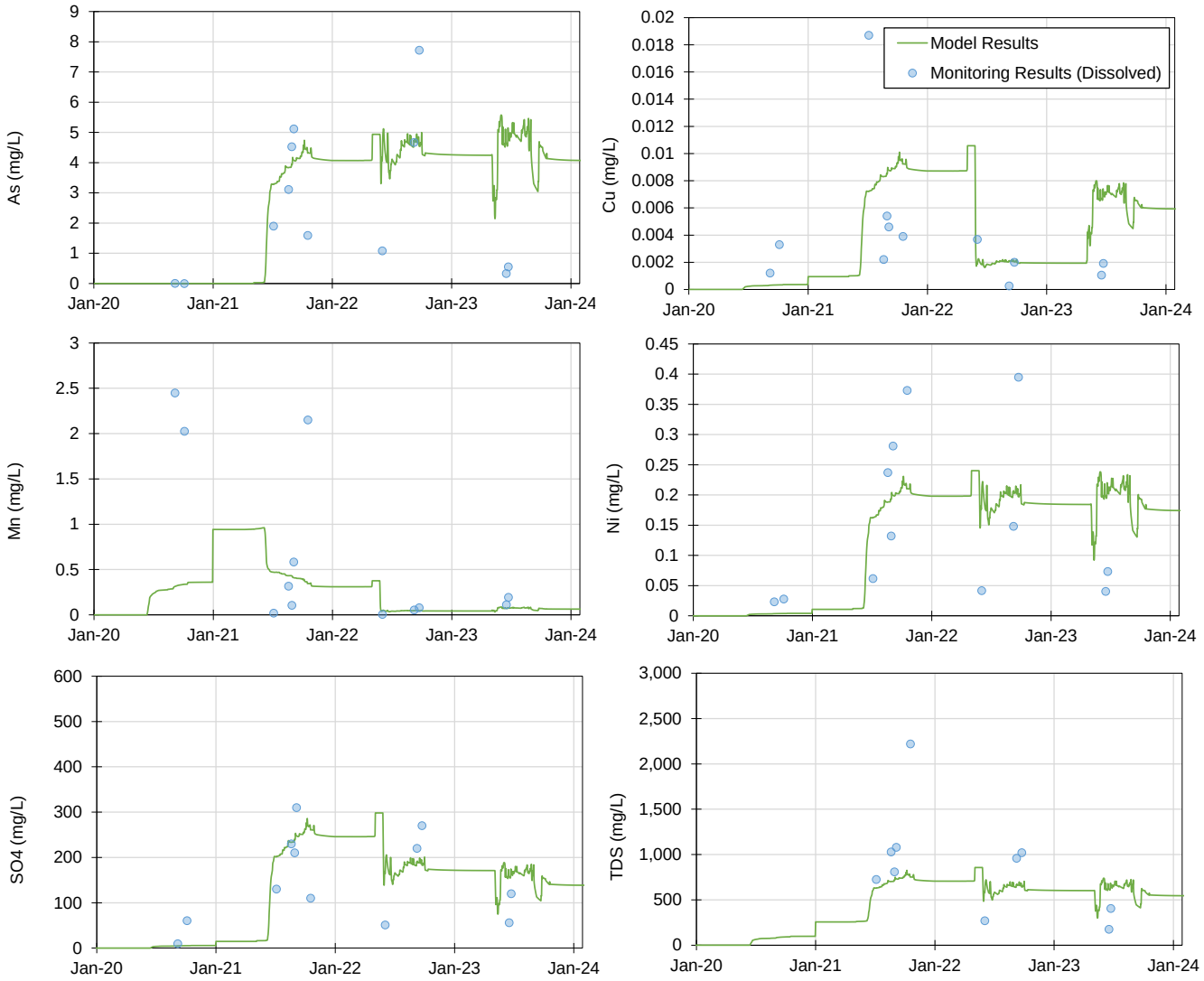



**Figure 3-5: IVR Pit water quality model results validated against ST-WT-18 monitoring data.**

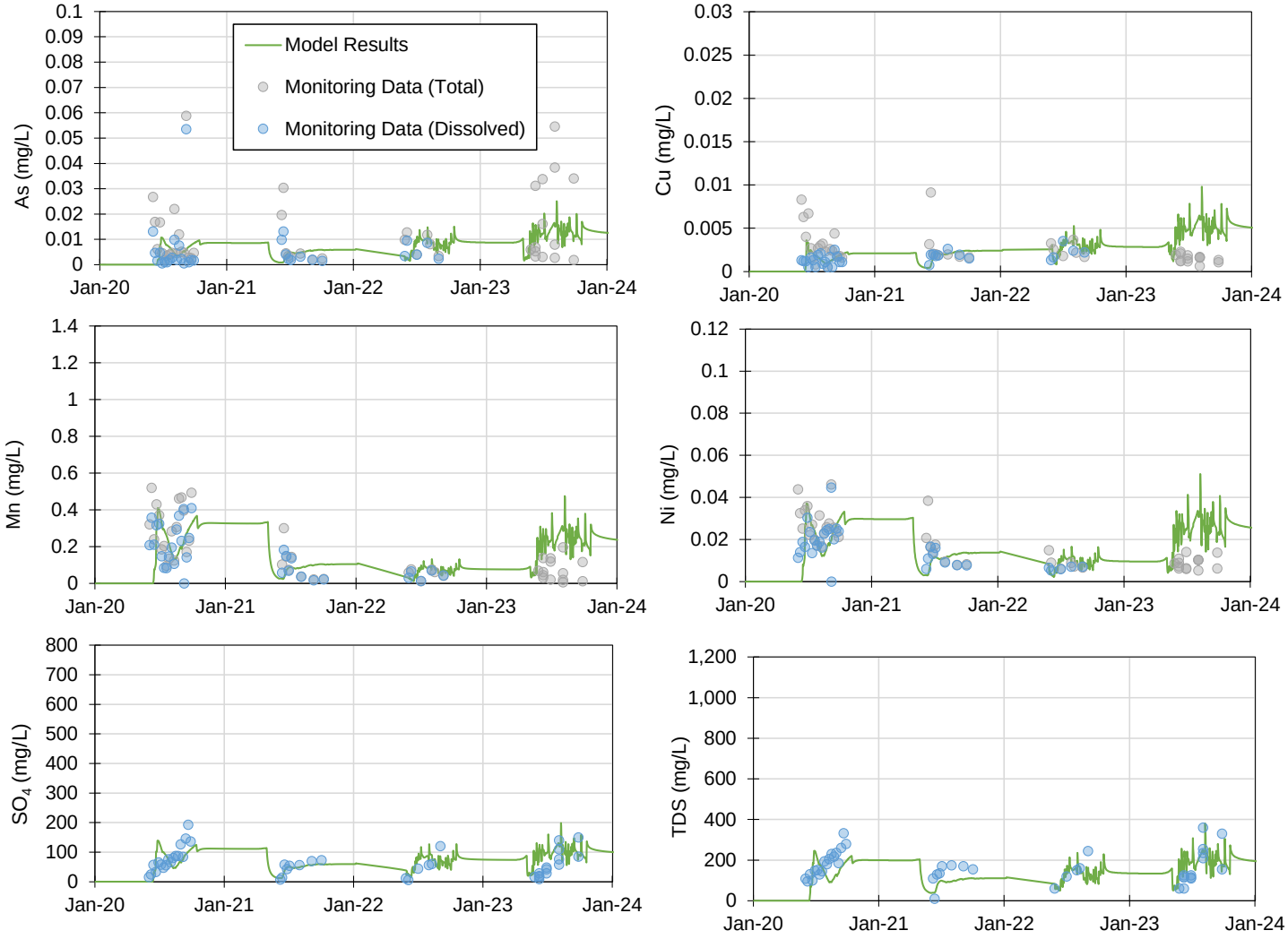



**Figure 3-6: WT WRCP water quality model results validated against ST-WT-3 monitoring data.**

# 4. Source Term Predictions

AGNICO EAGLE

# 4. Source Term Predictions

## 4.1 Pit Walls

Pit wall rock refers to rock exposures within the open pit. This includes the pit floor, benches, blast damaged rock and blast fractured rock on bench surfaces. Runoff over PAG/ML material in the pit is anticipated to generate elevated concentrations of As and other trace metals in pit waters throughout Operations. The long–term ARD potential of these PAG/ML wall rock exposures will largely be mitigated by formation of a pit lake at Closure that will submerge the exposures under water.

Pit wall source terms were developed for two loading pathways: (1) pit wall runoff (driven by meteoric water that falls on unsaturated pit wall surfaces), and (2) diffusion from the pit walls upon submergence.

### 4.1.1 Operations

Unsaturated pit wall source terms were calculated by scaling kinetic test loading rates. The approach can be summarized as follows:

- Loading rates were derived from large column and humidity cell leaching tests for the different rock types (see Golder 2019).
- Pit wall loading rates were scaled to field conditions using the pit wall scaling factors described in section 3.4.
- Loading is assumed to occur exclusively during months with temperatures above freezing (June to September).
- Pit wall loads were calculated using the proportions of the annual lithologic composition of each mine pit wall exposure (Table 4-1and Table 4-2).
- Scaled loads were converted to concentrations using predicted annual runoff volume described in Section 3.1
- A pit wall slope factor of 1.37 and 1.75 was applied to the Whale Tail Pit and IVR Pit, respectively. Pit slope factors were calculated based on the volume elevation area curve for each pit.

Parameter specific calibration factors are applied following the calibration steps described in Section 3.7 (Table 3-7).

This source term approach was applied to all modelled parameters except for nitrogen which is described in Section 4.1.3.

## Table 4-1:
## Whale Tail Pit Wall Exposure Lithological Proportions

| Lithological Unit | Whale Tail Pit | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028-2069 |
| Greywacke South | 15% | 12% | 22% | 19% | 17% | 16% | 16% | 16% | 16% | 16% | 16% |
| Greywacke Central | 7% | 8% | 4% | 4% | 4% | 5% | 6% | 7% | 7% | 7% | 7% |
| Greywacke North | 19% | 17% | 0% | 9% | 16% | 18% | 19% | 19% | 19% | 19% | 19% |
| Chert | 8% | 12% | 9% | 7% | 6% | 6% | 5% | 6% | 6% | 7% | 7% |
| Iron Formation | 5% | 6% | 6% | 5% | 6% | 6% | 3% | 3% | 2% | 2% | 2% |
| Ultramafic North | 20% | 26% | 24% | 22% | 21% | 21% | 23% | 23% | 23% | 23% | 23% |
| Ultramafic South | 5% | 4% | 4% | 5% | 5% | 5% | 6% | 5% | 5% | 5% | 5% |
| Basalt[1] | 7% | 6% | 4% | 4% | 4% | 3% | 4% | 5% | 5% | 5% | 5% |
| Diorite | 15% | 8% | 27% | 25% | 22% | 18% | 18% | 17% | 17% | 16% | 16% |

**Note**: [1] Basalt lithological unit proportions includes Gabbro.

## Table 4-2:
## IVR Pit and IVR Pushback Wall Exposure Lithological Proportions

| Lithological Unit | IVR Pit | | | | | | | | | IVR Pushback |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028-2069 | 2021–2022 |
| Greywacke South | 2% | 3% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 0% |
| Greywacke Central | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Greywacke North | 2% | 8% | 8% | 1% | 10% | 17% | 22% | 23% | 23% | 35% |
| Chert | 2% | 3% | 4% | 4% | 4% | 4% | 4% | 4% | 4% | 16% |
| Iron Formation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Ultramafic North | 50% | 49% | 37% | 39% | 37% | 33% | 31% | 30% | 30% | 0% |
| Ultramafic South | 22% | 17% | 9% | 19% | 17% | 16% | 16% | 15% | 15% | 13% |
| Basalt[1] | 22% | 19% | 39% | 34% | 31% | 28% | 26% | 26% | 26% | 36% |
| Diorite | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

**Note:** [1] Basalt lithological unit proportions includes Gabbro.

### 4.1.2 Active Closure and Post-Closure

At mine Closure, a pit lake will form and inundate most of the exposed pit wall rocks. Saturation will inhibit sulphide oxidation and mitigate ARD potential of submerged wall rock. Sulphide oxidation from submerged pit wall rock will cease upon submergence; however, saturated column tests show that ML potential of mine rock is not entirely mitigated by submergence (Lorax, 2023a), and As in pore spaces of the submerged pit wall will continue to diffuse into the pit lake during Active Closure and Post–closure.

Unsaturated wall rock exposures which remain above the water table will continue to release a geochemical load throughout Active Closure and Post Closure. To account for this, the same source term calculated for the final year of active mining, representing the final pit wall lithologic composition, will be applied to the closure period. An exception is made for parameters introduced from mining activities, such as nitrogen from blasting residues and chloride from brine usage. These parameters are expected to rapidly decay to baseline concentrations upon cessation of mining in WT Pit and IVR Pit in 2028.

#### *4.1.2.1 Submerged Pit Wall Rock*

A diffusion model was developed to predict non–reactive diffusive transport of As from stagnant pore water in the blast damaged pit walls and floors into the pit lake water column following flooding. Diffusive flux was calculated using a similar approach to what applied previously by Golder (2018) to evaluate diffusion in the Whale Tail and IVR pits, by using Fick's Law:

$$J_z = \frac{-D_j^0}{F}\theta\frac{dc}{dz}$$

Where:
$J_z =$ diffusive flux
$D_j^0 =$ temperature dependent diffusion coefficient
$F =$ formation factor
$\theta =$ formation porosity
$\frac{dc}{dz} =$ concentration gradient across the rock water interface

The arsenic diffusion coefficient from Martin *et al* (2003) was corrected to a temperature of 0°C, resulting in a value of 4.13 x $10^{-6}$ cm/sec. A formation factor of 2 and formation porosity of 0.03 were applied, consistent with Golder (2019).

To determine *dc*, the concentration in the pit lake was based on the average Kangislulik Lake and Whale Tail Lake observed water quality from September 2014 to May 2022, as the Whale Tail Pit and IVR pit will be flooded with lake water following Closure.

The initial pit wall pore water chemistry is derived from saturated column kinetic tests completed by Lorax (2023a). Five saturated columns were operated for 38 weeks, each containing one of the following rock types: (1) ultramafic north, (2) ultramafic south, (3) chert, (4) greywacke, and (5) iron formation. To calculate the initial porewater chemistry of each facility, the maximum saturated column concentration for each rock type was scaled proportionally to the pit waste rock composition (Table 4-3).

The concentration gradient is calculated as the difference between the concentration in the pore space on the pit wall surface and the concentration in the pit lake (*dc*) divided by the distance over which the change in concentration occurs (*dz*). For this calculation, the *dz* value was set to the saturated column test length of 15 cm.

Based on the saturated column results, it is expected that arsenic concentrations in the flooded pit walls will decrease over time. Column results show concentrations will decrease by 18% to 23% annually. Using these estimated depletion rates, pore water concentrations were estimated for 20 years after flooding of the pits. After 20 years, the diffusive flux from saturated pit walls is assumed to remain constant. The predicted pore water As concentrations and annual diffusive flux are presented in Table 4-3.

**Table 4-3:**
**Predicted Pit Porewater Arsenic Concentrations and Diffusive Flux**

| Years Flooded | Porewater Chemistry (mg/L As) | | Diffusive Flux (mg As/m$^2$/year) | |
|---|---|---|---|---|
| | Whale Tail | IVR | Whale Tail | IVR |
| 1 | 6.9 | 9.7 | 18 | 25 |
| 2 | 5.3 | 8.0 | 14 | 21 |
| 3 | 4.1 | 6.6 | 11 | 17 |
| 4 | 3.1 | 5.4 | 8 | 14 |
| 5 | 2.4 | 4.4 | 6.2 | 12 |
| 6 | 1.8 | 3.7 | 4.8 | 10 |
| 7 | 1.4 | 3.0 | 3.7 | 7.8 |
| 8 | 1.1 | 2.5 | 2.8 | 6.4 |
| 9 | 0.82 | 2.0 | 2.1 | 5.3 |
| 10 | 0.63 | 1.7 | 1.6 | 4.4 |
| 11 | 0.48 | 1.4 | 1.3 | 3.6 |
| 12 | 0.37 | 1.1 | 1.0 | 3.0 |
| 13 | 0.28 | 0.93 | 0.74 | 2.4 |
| 14 | 0.22 | 0.77 | 0.57 | 2.0 |
| 15 | 0.17 | 0.63 | 0.43 | 1.6 |
| 16 | 0.13 | 0.52 | 0.33 | 1.4 |
| 17 | 0.10 | 0.43 | 0.25 | 1.1 |
| 18 | 0.075 | 0.35 | 0.19 | 0.91 |
| 19 | 0.058 | 0.29 | 0.15 | 0.75 |
| 20 | 0.044 | 0.24 | 0.11 | 0.62 |

### 4.1.3 Nitrogen Species

Nitrogen containing residues from explosives are typically the primary source of nitrogen on blasted rock surfaces. Ammonia ($NH_3$), nitrate ($NO_3$) and nitrite ($NO_2$) are readily mobilized from the nitrogen containing residues by contact water (Ferguson and Leask, 1988; Baily *et al.*, 2013; Sidenko, 2018).

Predicted ammonia-nitrogen ($NH_3$-N), nitrite-nitrogen ($NO_2$-N) and nitrate-nitrogen ($NO_3$-N) concentrations in pit wall runoff are based on 2021 monitoring data from the IVR Pit. The 2021 IVR Pit sump monitoring data was selected over the Whale Tail Pit dataset as the majority of water in the IVR pit is sourced from pit wall runoff whereas the Whale Tail Pit sump chemistry is influenced by groundwater seepage into the pit. The IVR pit concentrations were corrected to account for the minor input from other water sources (*i.e.*, tundra runoff). Corrected nitrogen source terms applied in the WBWQM are:

- 12.2 mg/L $NH_3$–N
- 20.7 mg/L $NO_3$–N
- 2.2 mg/L $NO_2$–N

Upon termination of active mining, residual nitrogen species will be rapidly rinsed from pit wall rock exposures. Nitrogen species are assumed to return to background concentrations in inactive mine pits.

### 4.1.4 Results

The final source terms for the Whale Tail and IVR pit wall exposures are presented as annual concentrations (mg/L) in Table 4-4 and Table 4-5 respectively.

## Table 4-4:
## Whale Tail Pit Wall Source Term

| | | Operations | | | | | | | | | Active Closure and Post Closure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Unit** | **2020** | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2029-2069** |
| TDS | mg/L | 1198 | 1359 | 1813 | 1580 | 1598 | 1657 | 1654 | 1654 | 1618 | 1618 |
| $NH_3$-N | mg/L | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 0 |
| $NO_3$-N | mg/L | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 0 | 0 |
| $NO_2$-N | mg/L | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0 | 0 |
| Cl | mg/L | 433 | 42 | 56 | 46 | 44 | 43 | 43 | 43 | 43 | 43 |
| F | mg/L | 0.34 | 0.49 | 0.26 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| $SO_4$ | mg/L | 301 | 910 | 1224 | 1066 | 1081 | 1125 | 1124 | 1124 | 1124 | 1124 |
| Ag | mg/L | 0.0000057 | 0.0000063 | 0.0000069 | 0.0000070 | 0.0000068 | 0.0000068 | 0.0000068 | 0.0000068 | 0.0000068 | 0.0000068 |
| Al | mg/L | 0.034 | 0.031 | 0.028 | 0.024 | 0.024 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 |
| As | mg/L | 0.14 | 1.0 | 3.7 | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| B | mg/L | 0.0062 | 0.0065 | 0.0069 | 0.0071 | 0.0070 | 0.0072 | 0.0072 | 0.0072 | 0.0072 | 0.0072 |
| Ba | mg/L | 0.25 | 0.091 | 0.006 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| Be | mg/L | 0.0000065 | 0.0000061 | 0.0000056 | 0.0000050 | 0.0000049 | 0.0000047 | 0.0000047 | 0.0000047 | 0.0000047 | 0.0000047 |
| Ca | mg/L | 336 | 293 | 394 | 342 | 345 | 358 | 357 | 357 | 357 | 357 |
| Cd | mg/L | 0.0000046 | 0.0000081 | 0.00030 | 0.00033 | 0.00034 | 0.00034 | 0.0003364 | 0.0003364 | 0.00034 | 0.00034 |
| Co | mg/L | 0.00027 | 0.00032 | 0.00037 | 0.00038 | 0.00039 | 0.00039 | 0.00039 | 0.00039 | 0.00039 | 0.00039 |
| Cr | mg/L | 0.000050 | 0.000049 | 0.000047 | 0.000045 | 0.000045 | 0.000045 | 0.000045 | 0.000045 | 0.000045 | 0.000045 |
| Cu | mg/L | 0.041 | 0.00028 | 0.010 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 |
| Fe | mg/L | 0.0076 | 0.0071 | 0.0067 | 0.0059 | 0.0059 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 |
| Hg | mg/L | 0.0000092 | 0.0000086 | 0.0000080 | 0.0000071 | 0.0000069 | 0.0000067 | 0.0000067 | 0.0000067 | 0.0000067 | 0.0000067 |
| K | mg/L | 4.7 | 4.9 | 5.1 | 5.3 | 5.3 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| Li | mg/L | 0.0012 | 0.0012 | 0.0013 | 0.0012 | 0.0013 | 0.0013 | 0.0013 | 0.0013 | 0.0013 | 0.0013 |
| Mg | mg/L | 22 | 66 | 89 | 77 | 78 | 82 | 81 | 81 | 81 | 81 |
| Mn | mg/L | 0.018 | 0.048 | 0.072 | 0.081 | 0.084 | 0.085 | 0.084 | 0.084 | 0.084 | 0.084 |
| Mo | mg/L | 0.10 | 0.042 | 0.11 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 |
| Na | mg/L | 65 | 6.3 | 8.3 | 6.9 | 6.6 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| Ni | mg/L | 0.17 | 0.19 | 1.5 | 0.65 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 |
| P | mg/L | 0.0013 | 0.0013 | 0.0013 | 0.0012 | 0.0013 | 0.0013 | 0.0013 | 0.0013 | 0.0013 | 0.0013 |
| Pb | mg/L | 0.000026 | 0.000025 | 0.000024 | 0.000022 | 0.000023 | 0.000022 | 0.000023 | 0.000023 | 0.000023 | 0.000023 |
| Sb | mg/L | 0.0050 | 0.0047 | 0.0047 | 0.0048 | 0.0042 | 0.0041 | 0.0041 | 0.0041 | 0.0041 | 0.0041 |
| Se | mg/L | 0.0052 | 0.0023 | 0.00042 | 0.0032 | 0.0034 | 0.0035 | 0.0036 | 0.0036 | 0.0036 | 0.0036 |
| Sr | mg/L | 0.029 | 0.032 | 0.034 | 0.036 | 0.037 | 0.038 | 0.038 | 0.038 | 0.038 | 0.038 |
| Tl | mg/L | 0.000010 | 0.0000095 | 0.0000091 | 0.0000088 | 0.0000090 | 0.0000089 | 0.0000089 | 0.0000089 | 0.0000089 | 0.0000089 |
| U | mg/L | 0.00078 | 0.00081 | 0.00082 | 0.00083 | 0.00086 | 0.00087 | 0.00087 | 0.00087 | 0.00087 | 0.00087 |
| V | mg/L | 0.0016 | 0.0015 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 |
| Zn | mg/L | 0.0019 | 0.0018 | 0.0018 | 0.0016 | 0.0016 | 0.0015 | 0.0015 | 0.0015 | 0.0015 | 0.0015 |

**Table 4-5:**
**IVR Pit Wall Source Term**

| Parameter | Unit | Operations | | | | | | | | | Active Closure and Post Closure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029-2069 |
| TDS | mg/L | 609 | 1064 | 733 | 742 | 941 | 1107 | 1217 | 1218 | 1182 | 795 |
| $NH_3$-N | mg/L | 1.4 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 0 |
| $NO_3$-N | mg/L | 2.1 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 0 | 0 |
| $NO_2$-N | mg/L | 0.19 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.0 | 0.0 |
| Cl | mg/L | 297 | 295 | 235 | 256 | 265 | 271 | 275 | 276 | 276 | 0.73 |
| F | mg/L | 0.12 | 0.33 | 0.19 | 0.25 | 0.28 | 0.30 | 0.32 | 0.32 | 0.32 | 0.34 |
| $SO_4$ | mg/L | 35 | 376 | 209 | 189 | 324 | 437 | 512 | 512 | 512 | 575 |
| Ag | mg/L | 0.00010 | 0.000006 | 0.000006 | 0.0000056 | 0.0000061 | 0.0000067 | 0.0000070 | 0.0000070 | 0.0000070 | 0.0000073 |
| Al | mg/L | 0.0055 | 0.0058 | 0.0060 | 0.0065 | 0.0061 | 0.0058 | 0.0056 | 0.0056 | 0.0056 | 0.0055 |
| As | mg/L | 0.0012 | 6.3 | 5.2 | 5.6 | 5.2 | 4.6 | 4.4 | 4.4 | 4.4 | 3.8 |
| B | mg/L | 0.0061 | 0.0061 | 0.0059 | 0.0054 | 0.0060 | 0.0063 | 0.0066 | 0.0066 | 0.0066 | 0.0068 |
| Ba | mg/L | 0.28 | 0.23 | 0.15 | 0.22 | 0.20 | 0.19 | 0.18 | 0.18 | 0.18 | 0.18 |
| Be | mg/L | 0.0000018 | 0.0000018 | 0.0000018 | 0.0000018 | 0.0000018 | 0.0000018 | 0.0000018 | 0.0000018 | 0.0000018 | 0.0000018 |
| Ca | mg/L | 185 | 280 | 196 | 202 | 247 | 284 | 309 | 309 | 309 | 171 |
| Cd | mg/L | 0.000020 | 0.0000054 | 0.000050 | 0.000023 | 0.000055 | 0.000084 | 0.00010 | 0.00010 | 0.00010 | 0.00011 |
| Co | mg/L | 0.00027 | 0.00027 | 0.00026 | 0.00021 | 0.00027 | 0.00033 | 0.00036 | 0.00036 | 0.00036 | 0.00039 |
| Cr | mg/L | 0.00060 | 0.000058 | 0.000067 | 0.000066 | 0.000062 | 0.000059 | 0.000057 | 0.000057 | 0.000057 | 0.000056 |
| Cu | mg/L | 0.0023 | 0.013 | 0.0023 | 0.0080 | 0.0081 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 |
| Fe | mg/L | 0.010 | 0.0031 | 0.0030 | 0.0030 | 0.0030 | 0.0029 | 0.0028 | 0.0028 | 0.0028 | 0.0028 |
| Hg | mg/L | 0.000010 | 0.0000026 | 0.0000026 | 0.0000026 | 0.0000026 | 0.0000026 | 0.0000026 | 0.0000026 | 0.0000026 | 0.0000026 |
| K | mg/L | 5.3 | 5.3 | 5.5 | 5.3 | 5.5 | 5.7 | 5.7 | 5.7 | 5.7 | 5.9 |
| Li | mg/L | 0.0012 | 0.0012 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0015 |
| Mg | mg/L | 36 | 27 | 15 | 14 | 23 | 32 | 37 | 37 | 37 | 42 |
| Mn | mg/L | 2.2 | 0.44 | 0.05 | 0.09 | 0.29 | 0.46 | 0.57 | 0.57 | 0.57 | 0.65 |
| Mo | mg/L | 0.0015 | 0.019 | 0.018 | 0.021 | 0.020 | 0.019 | 0.018 | 0.018 | 0.018 | 0.018 |
| Na | mg/L | 44 | 44 | 35 | 38 | 40 | 41 | 41 | 41 | 41 | 0.11 |
| Ni | mg/L | 0.026 | 0.30 | 0.23 | 0.24 | 0.26 | 0.27 | 0.28 | 0.28 | 0.28 | 0.28 |
| P | mg/L | 0.015 | 0.0018 | 0.0026 | 0.0024 | 0.0022 | 0.0021 | 0.0020 | 0.0020 | 0.0020 | 0.0017 |
| Pb | mg/L | 0.00017 | 0.000018 | 0.000024 | 0.000022 | 0.000022 | 0.000021 | 0.000021 | 0.000021 | 0.000021 | 0.000021 |
| Sb | mg/L | 0.0067 | 0.0067 | 0.0053 | 0.0057 | 0.0053 | 0.0048 | 0.0045 | 0.0045 | 0.0045 | 0.0039 |
| Se | mg/L | 0.00075 | 0.0044 | 0.0028 | 0.0042 | 0.0041 | 0.0041 | 0.0040 | 0.0040 | 0.0040 | 0.0042 |
| Sr | mg/L | 0.039 | 0.039 | 0.044 | 0.040 | 0.043 | 0.045 | 0.046 | 0.046 | 0.046 | 0.048 |
| Tl | mg/L | 0.00020 | 0.000011 | 0.000011 | 0.000011 | 0.000011 | 0.000010 | 0.000010 | 0.000010 | 0.000010 | 0.000010 |
| U | mg/L | 0.00054 | 0.00054 | 0.00063 | 0.00059 | 0.00063 | 0.00067 | 0.00069 | 0.00069 | 0.00069 | 0.00073 |
| V | mg/L | 0.0028 | 0.0028 | 0.0032 | 0.0033 | 0.0029 | 0.0027 | 0.0025 | 0.0025 | 0.0025 | 0.0024 |
| Zn | mg/L | 0.0035 | 0.00057 | 0.00057 | 0.00051 | 0.00058 | 0.00064 | 0.00068 | 0.00068 | 0.00068 | 0.00070 |

**Table 4-6:**
**IVR Push-Back Pit Wall Source Term**

| Parameter | Unit | Operations | | | | | | | | | Active Closure and Post Closure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029-2069 |
| TDS | mg/L | 1733 | 1689 | 1689 | 1689 | 1689 | 1689 | 1689 | 1689 | 1178 | 795 |
| $NH_3$-N | mg/L | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 0 |
| $NO_3$-N | mg/L | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 0 | 0 |
| $NO_2$-N | mg/L | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0 | 0 |
| Cl | mg/L | 279 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 0.73 | 0.73 |
| F | mg/L | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.34 |
| $SO_4$ | mg/L | 883 | 854 | 854 | 854 | 854 | 854 | 854 | 854 | 854 | 575 |
| Ag | mg/L | 0.000009 | 0.0000087 | 0.0000087 | 0.0000087 | 0.0000087 | 0.0000087 | 0.0000087 | 0.0000087 | 0.0000083 | 0.0000073 |
| Al | mg/L | 0.0053 | 0.0095 | 0.0095 | 0.0095 | 0.0095 | 0.0095 | 0.0095 | 0.0095 | 0.0051 | 0.0055 |
| As | mg/L | 0.93 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 3.8 |
| B | mg/L | 0.0078 | 0.0079 | 0.0079 | 0.0079 | 0.0079 | 0.0079 | 0.0079 | 0.0079 | 0.0076 | 0.0068 |
| Ba | mg/L | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 |
| Be | mg/L | 0.0000017 | 0.0000024 | 0.0000024 | 0.0000024 | 0.0000024 | 0.0000024 | 0.0000024 | 0.0000024 | 0.0000017 | 0.0000018 |
| Ca | mg/L | 421 | 411 | 411 | 411 | 411 | 411 | 411 | 411 | 253 | 171 |
| Cd | mg/L | 0.00016 | 0.00016 | 0.00016 | 0.00016 | 0.00016 | 0.00016 | 0.00016 | 0.00016 | 0.00016 | 0.00011 |
| Co | mg/L | 0.00048 | 0.00049 | 0.00049 | 0.00049 | 0.00049 | 0.00049 | 0.00049 | 0.00049 | 0.00047 | 0.00039 |
| Cr | mg/L | 0.000053 | 0.000055 | 0.000055 | 0.000055 | 0.000055 | 0.000055 | 0.000055 | 0.000055 | 0.000052 | 0.000056 |
| Cu | mg/L | 0.0085 | 0.0084 | 0.0084 | 0.0084 | 0.0084 | 0.0084 | 0.0084 | 0.0084 | 0.0082 | 0.0082 |
| Fe | mg/L | 0.0025 | 0.0032 | 0.0032 | 0.0032 | 0.0032 | 0.0032 | 0.0032 | 0.0032 | 0.0024 | 0.0028 |
| Hg | mg/L | 0.0000026 | 0.0000035 | 0.0000035 | 0.0000035 | 0.0000035 | 0.0000035 | 0.0000035 | 0.0000035 | 0.0000025 | 0.0000026 |
| K | mg/L | 7.1 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.9 | 5.9 |
| Li | mg/L | 0.0017 | 0.0017 | 0.0017 | 0.0017 | 0.0017 | 0.0017 | 0.0017 | 0.0017 | 0.0016 | 0.0015 |
| Mg | mg/L | 64 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 42 |
| Mn | mg/L | 1.0 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.65 |
| Mo | mg/L | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.018 |
| Na | mg/L | 42 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 0 | 0.11 |
| Ni | mg/L | 0.28 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.28 |
| P | mg/L | 0.0024 | 0.0024 | 0.0024 | 0.0024 | 0.0024 | 0.0024 | 0.0024 | 0.0024 | 0.0024 | 0.0017 |
| Pb | mg/L | 0.000025 | 0.000027 | 0.000027 | 0.000027 | 0.000027 | 0.000027 | 0.000027 | 0.000027 | 0.000024 | 0.000021 |
| Sb | mg/L | 0.00087 | 0.00089 | 0.00089 | 0.00089 | 0.00089 | 0.00089 | 0.00089 | 0.00089 | 0.00084 | 0.0039 |
| Se | mg/L | 0.0053 | 0.0051 | 0.0051 | 0.0051 | 0.0051 | 0.0051 | 0.0051 | 0.0051 | 0.0051 | 0.0042 |
| Sr | mg/L | 0.061 | 0.060 | 0.060 | 0.060 | 0.060 | 0.060 | 0.060 | 0.060 | 0.059 | 0.048 |
| Tl | mg/L | 0.0000082 | 0.0000086 | 0.0000086 | 0.0000086 | 0.0000086 | 0.0000086 | 0.0000086 | 0.0000086 | 0.0000079 | 0.000010 |
| U | mg/L | 0.00092 | 0.00096 | 0.00096 | 0.00096 | 0.00096 | 0.00096 | 0.00096 | 0.00096 | 0.00089 | 0.00073 |
| V | mg/L | 0.0020 | 0.0020 | 0.0020 | 0.0020 | 0.0020 | 0.0020 | 0.0020 | 0.0020 | 0.0020 | 0.0024 |
| Zn | mg/L | 0.00080 | 0.00098 | 0.00098 | 0.00098 | 0.00098 | 0.00098 | 0.00098 | 0.00098 | 0.00077 | 0.00070 |

## *4.2 Waste Rock Storage Facilities*

The WRSFs are used to store PAG/ML waste rock as well as overburden and lake sediment waste. An NPAG/NML cover system will be progressively added to the slopes and top surface of the Whale Tail WRSF and IVR WRSF to encapsulate the PAG/ML waste rock. The cover design promotes freezing of the PAG/ML core such that interflow, and runoff interaction is limited to the less reactive NPAG/ML cover at Closure. The assumed cover schedule applied in source term calculations is provided in Table 4-7.

The source term for the WRSF was developed to represent combined runoff and interflow through the unfrozen active layer which reports to the WRSF contact water collection system. The WRSF source term is calculated as an annual time–step through Operations, Active Closure and Post–closure.

**Table 4-7:**
**Assumed NPAG/NML Cover Schedule for WRSF Source Term**

| Year | Proportion Covered | |
|---|---|---|
| | Whale Tail WRSF | IVR WRSF |
| 2017 | 0% | 0% |
| 2018 | 0% | 0% |
| 2019 | 0% | 0% |
| 2020 | 0% | 0% |
| 2021 | 18% | 50% |
| 2022 | 29% | 25% |
| 2023 | 29% | 25% |
| 2024 | 33% | 100% |
| 2025 | 37% | 100% |
| 2026 | 40% | 100% |
| 2027 | 40% | 100% |
| 2028 | 100% | 100% |

### 4.2.1 Operations

The WRSF contact water source terms were calculated by scaling kinetic test results and converting loadings into concentration using combined runoff and interflow volumes. These source terms use annual material placement by rock type to calculate loadings from the unfrozen upper layer of the WRSF. Thermal modelling estimated an interaction depth of up to 4.7 m occurs from June to September through Operations through the active layer

(OKC 2019). For conservatism and simplification of the source term, the top interaction layer is assumed to be comprised solely of waste rock material (*i.e.*, PAG/ML waste rock or NPAG/NML cover). Lake sediment and overburden is managed with PAG/ML waste rock and is assigned the same geochemical source term as PAG/ML waste rock as a conservative approximation.

The approach to WRSF source term calculations can be summarized as follows:

- Loading rates were scaled to field conditions using the WRSF scaling factors described in 3.4.
- Loading was assumed to occur only during months above freezing (June to September).
- Combined loadings from the exposed PAG/ML and NPAG/NML cover were proportioned based on the assumed NPAG/NML cover schedule (Table 4-7).
- Loadings from NPAG/NML cover were based on the NPAG/NML cover loading rate.
- PAG/ML loads were calculated using the loading rates for PAG/ML rock types and annual composition of PAG/ML waste rock generated from the Whale Tail Pit and IVR Pit for the Whale Tail WRSF and IVR WSRF source terms, respectively (Table 4-8 and Table 4-9).
- Scaled loads were converted into an average annual concentration using predicted monthly runoff and interflow volumes.
- Parameter specific calibration factors are applied following the calibration steps described in section 3.7.

This source term approach was applied to all modelled parameters except for nitrogen (see section 4.2.3).

**Table 4-8:**
**Whale Tail WRSF Lithological Proportions of PAG/ML Waste**

| Lithology | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|
| Greywacke Central | 4% | 5% | 5% | 5% | 0% | 0% | 0% | 0% |
| North Greywacke | 10% | 8% | 6% | 12% | 7% | 1% | 0% | 0% |
| Chert | 20% | 16% | 11% | 8% | 5% | 19% | 45% | 73% |
| Iron Formation | 18% | 22% | 16% | 15% | 8% | 6% | 4% | 2% |
| Ultramafic North | 18% | 22% | 31% | 37% | 55% | 51% | 25% | 16% |
| Ultramafic South | 12% | 12% | 13% | 13% | 24% | 22% | 26% | 9% |
| Basalt | 0% | 13% | 17% | 10% | 0% | 0% | 0% | 0% |

**Table 4-9:**
**IVR WRSF Lithological Proportions of PAG/ML Waste**

| Lithology | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|
| Greywacke Central | 0% | 13% | 3% | 0% | 0% | 0% | 0% | 0% |
| Greywacke North | 2% | 0% | 14% | 3% | 34% | 46% | 54% | 90% |
| Chert | 1% | 0% | 6% | 0% | 0% | 0% | 0% | 0% |
| Iron Formation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Ultramafic North | 72% | 43% | 57% | 34% | 19% | 18% | 15% | 1% |
| Ultramafic South | 25% | 41% | 9% | 7% | 0% | 0% | 1% | 0% |
| Basalt | 0% | 3% | 0% | 0% | 47% | 36% | 31% | 9% |
| Gabbro | 0% | 0% | 10% | 56% | 0% | 0% | 0% | 0% |

### 4.2.2 Active Closure and Post-Closure

The thermal profile and the hydrology of the WRSFs will evolve over time as a result of climate forcing's predicted under the representative concentration pathway 6.0 (RCP) scenario developed for the Whale Tail Mine Site (OKC, 2022). Under the RCP 6.0 climate change scenario, both air temperature and precipitation are projected to increase. For example, annual average precipitation is projected to increase from 344 mm in Operations, to 352 mm in Closure, and 386 mm in Post-closure. The impact of climate change becomes increasingly pronounced over time and was incorporated into source terms developed for the Active Closure and Post–closure period.

The average annual temperatures under the RCP 6.0 scenario are predicted to increase from –10.1 ºC to –6.4 ºC in Post–closure. This will impact WRSF thermal profiles by increasing the average temperature and duration that the active zone is unfrozen. The impact of RCP 6.0 climate scenario on the thermal profile of the WRSFs have been assessed through landform modelling completed by OKC (2022). Impacts to the active zone are most pronounced in the upper 2 m, where the duration of unfrozen conditions will increase from 4 months in 2035 to 5 to 6 months by 2170. The thermal profile shows the active zone will extend to a 6 m depth by 2170. The impacts from climate change are predicted to be increasingly muted with depth.

Temperature increase will accelerate sulphide oxidation rates, which can be estimated based on the Arrhenius relationship illustrated in Figure 4-1 Figure 4-2. This figure shows the Arrhenius relationship normalized to 25ºC using the activation energy experimentally determined for pyrite, pyrrhotite and chalcopyrite (Ahonen and Tuovinen, 1991). The increase in loading rates predicted by the Arrhenius equation, using the activation energy of pyrite, are used to scale calibrated source terms to reflect changes in the thermal profile of the WRSFS over time. The active zone is expected to remain within the upper 4.7 m cover depth prior to 2069 (i.e., current WBWQM time horizon), and therefore the active zone is assumed to not extend below the NPAG/NML cover thickness over the model period. The cumulative impact of temperature change and increased duration of unfrozen conditions within the active zone results in a predicted 24% increase in loading rates between 2028 (end of Operations) and 2170.

The mean annual precipitation is expected to increase from 302 mm/year to 454 mm/year by 2170 (MAP for 2161 to 2170). The increase in contact water volume is combined with the increase in loading rates to generate Post–closure source terms. The combined effect results in a predicted gradual increase in concentrations over time (0.17% annually).

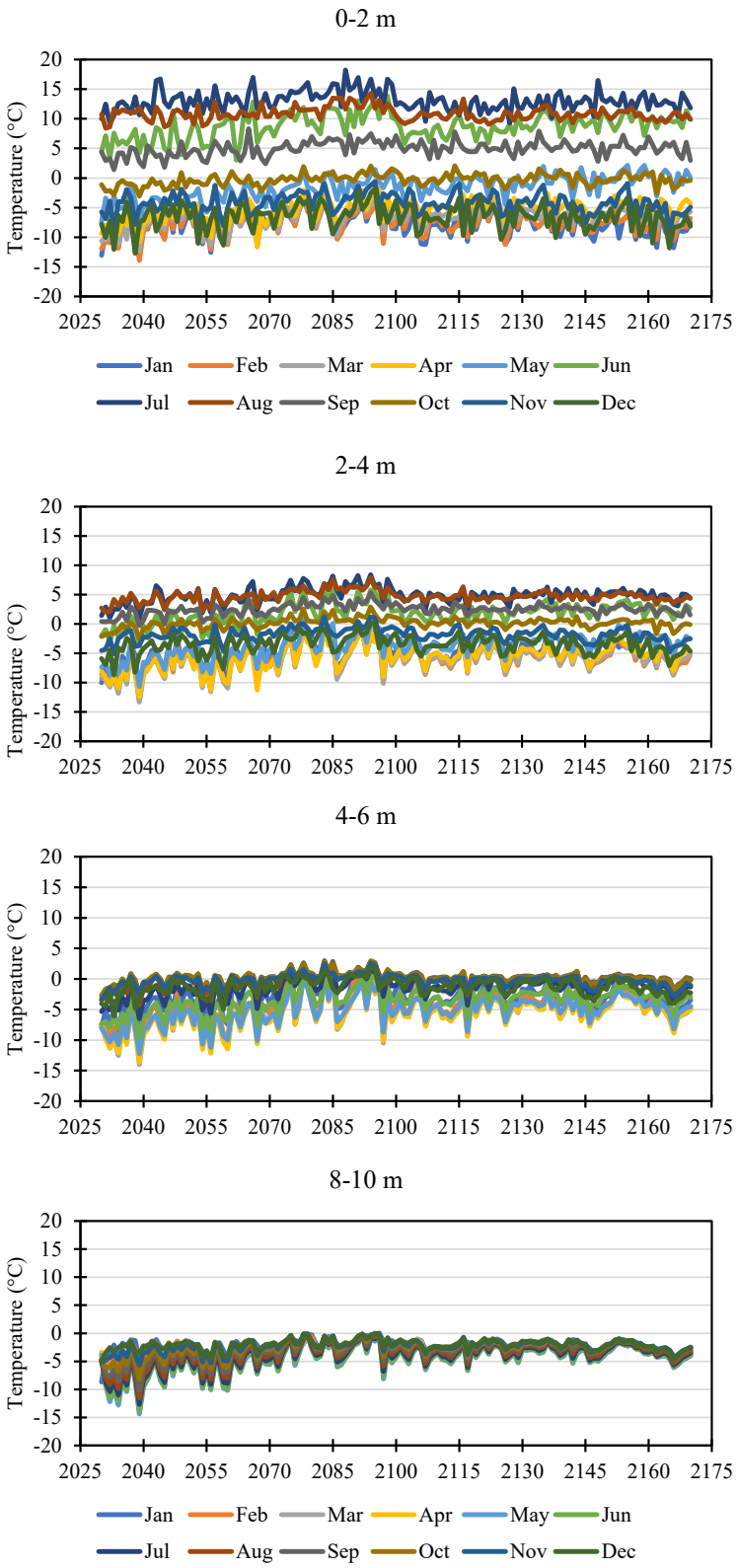



**Figure 4-1: Monthly internal temperature projections for WRSFs under RCP6.0 climate scenario (OKC, 2022).**

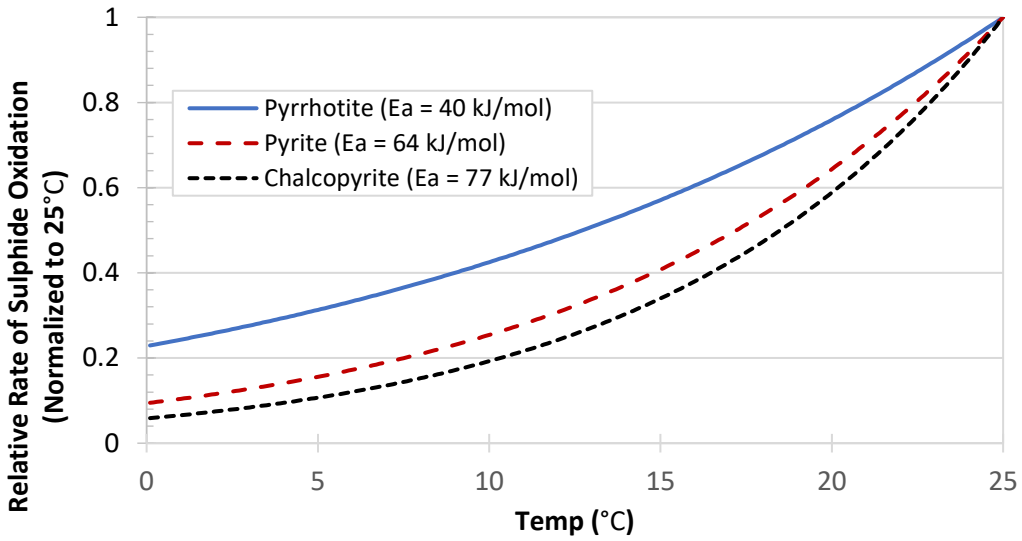



**Figure 4-2: Arrhenius relationship for sulphide mineral weathering using activation energy (Ea) for pyrrhotite, pyrite and chalcopyrite normalized to 25ºC.**

### 4.2.3 Nitrogen Species

Nitrogen species from blasting residues will be leached from waste rock surfaces in the WRSF, contributing a nitrogen load to contact water collection ponds. The concentrations of nitrogen species within runoff and interflow from the WRSFs are calculated using the 2020 to 2022 water quality monitoring data from the Whale Tail WRSF. The reported concentrations were corrected to account for non-contact water inputs to the WRSF collection pond for a representative estimate of waste rock contact water chemistry. The nitrogen source terms applied in the WBWQM are:

- 0.40 mg/L $NH_3$–N
- 4.7 mg/L $NO_3$–N
- 0.040 mg/L $NO_2$–N

The ammonia ($NH_3$-N), nitrate ($NO_3$-N) and ($NO_2$-N) source term concentrations are applied during Operations. Nitrogen species are assumed to return to background concentrations at the start of Active Closure.

### 4.2.4 Results

The WRSF source terms, representing combined runoff and interflow from the Whale Tail WRSF and IVR WRSF are presented as annual concentrations (mg/L) for the period 2018 to 2069 in Appendix A. A subset of results for the Operational period can be found in Table 4-10 (Whale Tail WRSF) and Table 4-11 (IVR WRSF).

**Table 4-10:**
**Whale Tail WRSF Source Terms**

| Parameter | Unit | Operations | | | | | | | | | Active Closure and Post-Closure | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **2020** | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2040** | **2050** | **2060** | **2069** |
| TDS | mg/L | 361 | 219 | 121 | 188 | 140 | 165 | 251 | 349 | 47 | 43 | 44 | 44 | 45 |
| $NH_3$-N | mg/L | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0 | 0 | 0 | 0 |
| $NO_3$-N | mg/L | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 0 | 0 | 0 | 0 |
| $NO_2$-N | mg/L | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0 | 0 | 0 | 0 |
| Cl | mg/L | 30 | 13 | 5.8 | 19 | 19 | 19 | 20 | 20 | 3.4 | 3.4 | 3.5 | 3.5 | 3.6 |
| F | mg/L | 0.14 | 0.27 | 0.13 | 0.20 | 0.19 | 0.21 | 0.25 | 0.29 | 0.32 | 0.32 | 0.33 | 0.33 | 0.34 |
| $SO_4$ | mg/L | 210 | 128 | 67 | 100 | 66 | 83 | 143 | 212 | 23 | 23 | 23 | 24 | 24 |
| Ag | mg/L | 0.000016 | 0.000017 | 0.000016 | 0.000016 | 0.000015 | 0.000014 | 0.000015 | 0.000016 | 0.000012 | 0.000012 | 0.000012 | 0.000013 | 0.000013 |
| Al | mg/L | 0.0098 | 0.035 | 0.049 | 0.048 | 0.054 | 0.058 | 0.061 | 0.058 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 |
| As | mg/L | 0.016 | 0.013 | 0.0079 | 0.013 | 0.014 | 0.013 | 0.0067 | 0.0039 | 0.00020 | 0.00020 | 0.00020 | 0.00021 | 0.00021 |
| B | mg/L | 0.019 | 0.018 | 0.016 | 0.016 | 0.015 | 0.016 | 0.019 | 0.023 | 0.0091 | 0.0093 | 0.009 | 0.010 | 0.010 |
| Ba | mg/L | 0.12 | 0.077 | 0.041 | 0.092 | 0.084 | 0.083 | 0.082 | 0.077 | 0.055 | 0.056 | 0.057 | 0.058 | 0.059 |
| Be | mg/L | 0.0000039 | 0.0000078 | 0.0000098 | 0.0000099 | 0.000011 | 0.000011 | 0.000012 | 0.000012 | 0.000022 | 0.000023 | 0.000023 | 0.000024 | 0.000024 |
| Ca | mg/L | 79 | 46 | 23 | 41 | 30 | 36 | 54 | 74 | 8.6 | 8.7 | 8.9 | 9.0 | 9.2 |
| Cd | mg/L | 0.000020 | 0.000016 | 0.000013 | 0.000017 | 0.000013 | 0.000011 | 0.000015 | 0.000020 | 0.000011 | 0.000011 | 0.000012 | 0.000012 | 0.000012 |
| Co | mg/L | 0.00082 | 0.00075 | 0.00067 | 0.00074 | 0.00067 | 0.00067 | 0.00078 | 0.00094 | 0.00052 | 0.00053 | 0.00054 | 0.00055 | 0.00055 |
| Cr | mg/L | 0.000074 | 0.000112 | 0.00012 | 0.00012 | 0.00012 | 0.00012 | 0.00010 | 0.000086 | 0.00011 | 0.00011 | 0.00012 | 0.00012 | 0.00012 |
| Cu | mg/L | 0.0033 | 0.0049 | 0.0025 | 0.0047 | 0.0046 | 0.0045 | 0.0041 | 0.0039 | 0.0062 | 0.0064 | 0.0065 | 0.0066 | 0.0067 |
| Fe | mg/L | 0.0059 | 0.010 | 0.012 | 0.012 | 0.013 | 0.014 | 0.014 | 0.014 | 0.025 | 0.025 | 0.025 | 0.026 | 0.026 |
| Hg | mg/L | 0.0000056 | 0.000011 | 0.0000141 | 0.000014 | 0.000015 | 0.000016 | 0.000017 | 0.000017 | 0.000032 | 0.000033 | 0.000033 | 0.000034 | 0.000034 |
| K | mg/L | 16 | 15 | 13 | 13 | 11 | 12 | 15 | 19 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 |
| Li | mg/L | 0.0025 | 0.0030 | 0.0030 | 0.0029 | 0.0027 | 0.0027 | 0.0029 | 0.0030 | 0.0025 | 0.0026 | 0.0026 | 0.0027 | 0.0027 |
| Mg | mg/L | 15 | 9.3 | 4.9 | 7.2 | 4.8 | 6.0 | 10 | 15 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 |
| Mn | mg/L | 0.63 | 0.23 | 0.070 | 0.24 | 0.15 | 0.13 | 0.23 | 0.35 | 0.037 | 0.038 | 0.038 | 0.039 | 0.040 |
| Mo | mg/L | 0.0022 | 0.0027 | 0.0016 | 0.0028 | 0.0028 | 0.0031 | 0.0034 | 0.0033 | 0.0051 | 0.0052 | 0.0053 | 0.0054 | 0.0055 |
| Na | mg/L | 4.5 | 2.0 | 0.86 | 2.9 | 2.9 | 2.9 | 3.0 | 3.0 | 0.50 | 0.51 | 0.52 | 0.53 | 0.54 |
| Ni | mg/L | 0.056 | 0.030 | 0.0087 | 0.0258 | 0.024 | 0.024 | 0.024 | 0.028 | 0.0045 | 0.0046 | 0.0047 | 0.0048 | 0.0048 |
| P | mg/L | 0.0024 | 0.0038 | 0.0040 | 0.0035 | 0.0027 | 0.0027 | 0.0027 | 0.0026 | 0.0025 | 0.0026 | 0.0026 | 0.0027 | 0.0027 |
| Pb | mg/L | 0.000022 | 0.000044 | 0.000053 | 0.000050 | 0.000047 | 0.000048 | 0.000050 | 0.000049 | 0.000084 | 0.000086 | 0.000087 | 0.000088 | 0.000090 |
| Sb | mg/L | 0.017 | 0.018 | 0.015 | 0.016 | 0.016 | 0.014 | 0.0079 | 0.0053 | 0.0015 | 0.0015 | 0.0015 | 0.0015 | 0.0016 |
| Se | mg/L | 0.00071 | 0.0011 | 0.0011 | 0.00093 | 0.00063 | 0.00059 | 0.00064 | 0.00068 | 0.00036 | 0.00036 | 0.00037 | 0.00038 | 0.00038 |
| Sr | mg/L | 0.11 | 0.10 | 0.089 | 0.085 | 0.071 | 0.082 | 0.11 | 0.14 | 0.027 | 0.028 | 0.028 | 0.029 | 0.029 |
| Tl | mg/L | 0.000015 | 0.000020 | 0.000022 | 0.000023 | 0.000026 | 0.000024 | 0.000021 | 0.000018 | 0.000021 | 0.000021 | 0.000022 | 0.000022 | 0.000022 |
| U | mg/L | 0.0013 | 0.0017 | 0.0018 | 0.0017 | 0.0015 | 0.0016 | 0.0019 | 0.0020 | 0.0022 | 0.0023 | 0.0023 | 0.0024 | 0.0024 |
| V | mg/L | 0.0029 | 0.0044 | 0.0049 | 0.0045 | 0.0046 | 0.0041 | 0.0029 | 0.0019 | 0.0020 | 0.0020 | 0.0020 | 0.0021 | 0.0021 |
| Zn | mg/L | 0.0014 | 0.0024 | 0.0029 | 0.0030 | 0.0031 | 0.0033 | 0.0035 | 0.0036 | 0.0065 | 0.0066 | 0.0067 | 0.0069 | 0.0070 |
| $^{226}Ra$ | Bq/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes:
Source terms calculated assuming the Whale Tail WRSF will be capped with a NPAG/NM waste rock cover by the end of 2032.
Source terms for a subset of years shown for closure and post-closure period. Complete source term results (2018-2069) reported in Appendix A.

**Table 4-11:**
**IVR WRSF Source Terms**

| Parameter | Unit | Operations | | | | | | | | Active Closure and Post-Closure | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2040 | 2050 | 2060 | 2069 |
| TDS | mg/L | 95 | 33 | 53 | 127 | 156 | 174 | 263 | 35 | 36 | 37 | 37 | 38 |
| $NH_3$-N | mg/L | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0 | 0 | 0 | 0 | 0 |
| $NO_3$-N | mg/L | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 0 | 0 | 0 | 0 | 0 |
| $NO_2$-N | mg/L | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0.043 | 0 | 0 | 0 | 0 | 0 |
| Cl | mg/L | 8.6 | 3.2 | 4.8 | 5.0 | 5.2 | 5.3 | 5.8 | 7.8 | 7.9 | 8.0 | 8.2 | 8.3 |
| F | mg/L | 0.10 | 0.10 | 0.10 | 0.12 | 0.12 | 0.12 | 0.14 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 |
| $SO_4$ | mg/L | 42 | 14 | 20 | 72 | 92 | 105 | 167 | 12 | 12 | 12 | 13 | 13 |
| Ag | mg/L | 0.000013 | 0.000015 | 0.000014 | 0.000018 | 0.000020 | 0.000021 | 0.000025 | 0.000012 | 0.000012 | 0.000012 | 0.000013 | 0.000013 |
| Al | mg/L | 0.076 | 0.043 | 0.046 | 0.043 | 0.042 | 0.042 | 0.039 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 |
| As | mg/L | 0.148 | 0.080 | 0.12 | 0.068 | 0.063 | 0.052 | 0.0065 | 0.0023 | 0.0023 | 0.0024 | 0.00240 | 0.00244 |
| B | mg/L | 0.012 | 0.016 | 0.012 | 0.015 | 0.016 | 0.017 | 0.021 | 0.0091 | 0.0093 | 0.0094 | 0.010 | 0.010 |
| Ba | mg/L | 0.072 | 0.046 | 0.12 | 0.10 | 0.083 | 0.076 | 0.038 | 0.036 | 0.037 | 0.038 | 0.038 | 0.039 |
| Be | mg/L | 0.000014 | 0.0000092 | 0.0000091 | 0.0000090 | 0.0000090 | 0.0000090 | 0.0000089 | 0.000022 | 0.000023 | 0.000023 | 0.000024 | 0.000024 |
| Ca | mg/L | 17 | 5.9 | 8.7 | 24 | 30 | 34 | 53 | 8.0 | 8.2 | 8.3 | 8.4 | 8.5 |
| Cd | mg/L | 0.0000081 | 0.000019 | 0.0000084 | 0.000033 | 0.000043 | 0.000049 | 0.000079 | 0.000011 | 0.000011 | 0.000012 | 0.000012 | 0.000012 |
| Co | mg/L | 0.00051 | 0.00077 | 0.00051 | 0.00094 | 0.0011 | 0.0012 | 0.0018 | 0.00052 | 0.00053 | 0.00054 | 0.00055 | 0.00055 |
| Cr | mg/L | 0.000118 | 0.00013 | 0.00018 | 0.00016 | 0.00014 | 0.00013 | 0.000093 | 0.00011 | 0.00011 | 0.00012 | 0.00012 | 0.00012 |
| Cu | mg/L | 0.0011 | 0.0017 | 0.0017 | 0.0017 | 0.0017 | 0.0017 | 0.0017 | 0.0018 | 0.0018 | 0.0018 | 0.0019 | 0.0019 |
| Fe | mg/L | 0.016 | 0.012 | 0.012 | 0.011 | 0.011 | 0.011 | 0.011 | 0.025 | 0.025 | 0.025 | 0.026 | 0.026 |
| Hg | mg/L | 0.000019 | 0.000013 | 0.000013 | 0.000013 | 0.000013 | 0.000013 | 0.000013 | 0.000032 | 0.000033 | 0.000033 | 0.000034 | 0.000034 |
| K | mg/L | 17 | 3.3 | 11 | 13 | 13 | 13 | 14 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 |
| Li | mg/L | 0.0027 | 0.0029 | 0.0037 | 0.0039 | 0.0038 | 0.0038 | 0.0038 | 0.0025 | 0.0026 | 0.0026 | 0.0027 | 0.0027 |
| Mg | mg/L | 3.0 | 1.0 | 1.5 | 5.2 | 6.7 | 7.6 | 12 | 0.87 | 0.89 | 0.90 | 0.92 | 0.93 |
| Mn | mg/L | 0.23 | 0.32 | 0.26 | 2.0 | 2.7 | 3.1 | 5.2 | 0.14 | 0.14 | 0.15 | 0.148 | 0.151 |
| Mo | mg/L | 0.0016 | 0.0011 | 0.0014 | 0.0013 | 0.0012 | 0.0011 | 0.00088 | 0.0022 | 0.0022 | 0.0023 | 0.0023 | 0.0023 |
| Na | mg/L | 1.3 | 0.48 | 0.72 | 0.76 | 0.8 | 0.80 | 0.87 | 1.2 | 1.2 | 1.2 | 1.23 | 1.24 |
| Ni | mg/L | 0.015 | 0.020 | 0.016 | 0.019 | 0.022 | 0.022 | 0.027 | 0.0045 | 0.0046 | 0.0047 | 0.0048 | 0.0048 |
| P | mg/L | 0.0028 | 0.0034 | 0.0068 | 0.0062 | 0.0053 | 0.0050 | 0.0033 | 0.0025 | 0.0026 | 0.0026 | 0.0027 | 0.0027 |
| Pb | mg/L | 0.000057 | 0.000050 | 0.000078 | 0.000076 | 0.000071 | 0.000069 | 0.000059 | 0.000084 | 0.000086 | 0.000087 | 0.000089 | 0.000090 |
| Sb | mg/L | 0.0087 | 0.015 | 0.010 | 0.0062 | 0.0059 | 0.0050 | 0.0014 | 0.0015 | 0.0015 | 0.0015 | 0.0015 | 0.0016 |
| Se | mg/L | 0.00062 | 0.00098 | 0.0021 | 0.0022 | 0.0019 | 0.0019 | 0.0016 | 0.00036 | 0.00036 | 0.00037 | 0.00038 | 0.00038 |
| Sr | mg/L | 0.056 | 0.087 | 0.090 | 0.11 | 0.11 | 0.11 | 0.13 | 0.027 | 0.028 | 0.028 | 0.029 | 0.029 |
| Tl | mg/L | 0.000025 | 0.000025 | 0.000027 | 0.000023 | 0.000022 | 0.000021 | 0.000017 | 0.000021 | 0.000021 | 0.000022 | 0.000022 | 0.000022 |
| U | mg/L | 0.0020 | 0.0016 | 0.0018 | 0.0021 | 0.0022 | 0.0023 | 0.0026 | 0.0022 | 0.0023 | 0.0023 | 0.0024 | 0.0024 |
| V | mg/L | 0.0039 | 0.0051 | 0.0080 | 0.0061 | 0.0049 | 0.0043 | 0.0014 | 0.0020 | 0.0020 | 0.0020 | 0.0021 | 0.0021 |
| Zn | mg/L | 0.0039 | 0.0028 | 0.0026 | 0.0031 | 0.0033 | 0.0034 | 0.0040 | 0.0065 | 0.0066 | 0.0068 | 0.0069 | 0.0070 |
| $^{226}Ra$ | Bq/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes:
Source terms calculated assuming the IVR WRSF will be capped with a NPAG/NM waste rock cover by the end of 2026.
Source terms for a subset of years shown for closure and post-closure period. Complete source term results (2021-2069) reported in Appendix A.

## *4.3 Underground Mine*

The underground mine source terms represent the cumulative geochemical load of wall rock and rockfill contact water, and groundwater that is collected in sumps and eventually dewatered to the mine surface. The geochemical load of wall rock and rockfill was calculated using a scaled loading approach, and the load from groundwater was calculated using predicted inflows from the underground and site monitoring data.

### 4.3.1 Operations

#### *4.3.1.1 Groundwater Salinity and Major Ions*

Groundwater TDS concentrations increase with depth in the Whale Tail Mine underground (Golder, 2023 Figure 4-3). The TDS of groundwater infiltration into underground mine workings was estimated based on the maximum depth of mine workings by the end of Operations (355 mbgs) and measured TDS in deep groundwater (*i.e.*, Golder, 2023; Lorax 2023c).

The chemistry of deep groundwater has been monitored at Westbay well AMQ16-262 and the underground drillhole AMQ-WH-380. The Westbay AMQ16-262 was advanced into the Whale Tail Lake open talik and has sampling ports from ~258 to 456 mbgs. The other is an underground drillhole advanced in 2023 where artesian flows were encountered at approximately 470 mbgs. Both the Westbay and underground drillholes were drilled using brine. The underground drillhole (AMQ-WH-380-01) produced significant artesian flows and was able to passively purge many more borehole volumes than what has been achieved at the Westbay well (Lorax, 2023c). Water quality analyses from the underground drillhole can be used directly without adjustment and is considered the best representation of ambient groundwater quality. The January 24$^{th}$ and 29$^{th}$, 2023 samples from AMQ-WH-380-1 are the most representative dataset available for groundwater inflows to the underground (Table 4-12). These results were adjusted as per the TDS profile to predict the chemistry of groundwater infiltrating underground mine workings.

The chemistry of AMQ-WH-380-01 was adjusted to account for changes in TDS with depth. This was accomplished by scaling observed concentrations to achieve the predicted TDS of 4217 mg/L at the maximum underground extent. Parameters scaled for TDS included chloride, sulphate, boron, barium, calcium, potassium, sodium, strontium, and radium. Note that trace metals and nitrogen species were generally below method detection limits in groundwater and were therefore not scaled based on TDS. For these parameters method detection limits were applied to background groundwater.

**Table 4-12:**
**Underground Drillhole AMQ-WH-380-01 groundwater sample results**

| Parameter | Unit | Sample Collection Date | |
|---|---|---|---|
| | | 2023-01-24 | 2023-01-29 |
| TDS | mg/L | 5450 | 4530 |
| $NH_3$-N | mg/L | <0.05 | <0.05 |
| $NO_3$-N | mg/L | <0.1 | <0.1 |
| $NO_2$-N | mg/L | <0.01 | <0.01 |
| Cl | mg/L | 3300 | 3100 |
| F | mg/L | <0.1 | <0.1 |
| $SO_4$ | mg/L | 5.6 | 5.3 |
| Ag | mg/L | <0.00002 | <0.0002 |
| Al | mg/L | <0.01 | <0.03 |
| As | mg/L | <0.0001 | <0.001 |
| B | mg/L | 1.2 | 1.33 |
| Ba | mg/L | 0.125 | 0.122 |
| Be | mg/L | <0.0001 | <0.001 |
| Ca | mg/L | 1220 | 1230 |
| Cd | mg/L | 0.000017 | <0.0001 |
| Co | mg/L | 0.00041 | <0.002 |
| Cr | mg/L | <0.001 | <0.01 |
| Cu | mg/L | <0.0002 | <0.002 |
| Fe | mg/L | 0.006 | <0.05 |
| Hg | mg/L | <0.0001 | <0.0001 |
| K | mg/L | 5.07 | 5.22 |
| Li | mg/L | 0.0123 | <0.02 |
| Mg | mg/L | 0.278 | <0.5 |
| Mn | mg/L | 0.007 | <0.01 |
| Mo | mg/L | <0.001 | <0.01 |
| Na | mg/L | 615 | 636 |
| Ni | mg/L | <0.001 | <0.01 |
| P | mg/L | 0.038 | <0.1 |
| Pb | mg/L | <0.0002 | <0.002 |
| Sb | mg/L | <0.0005 | <0.005 |
| Se | mg/L | 0.00198 | 0.0104 |
| Sr | mg/L | 24.5 | 27.4 |
| Tl | mg/L | <0.00001 | <0.0001 |
| U | mg/L | <0.0001 | <0.001 |
| V | mg/L | <0.005 | <0.05 |
| Zn | mg/L | <0.005 | <0.05 |
| $^{226}Ra$ | Bq/L | 0.3 | <0.005 |

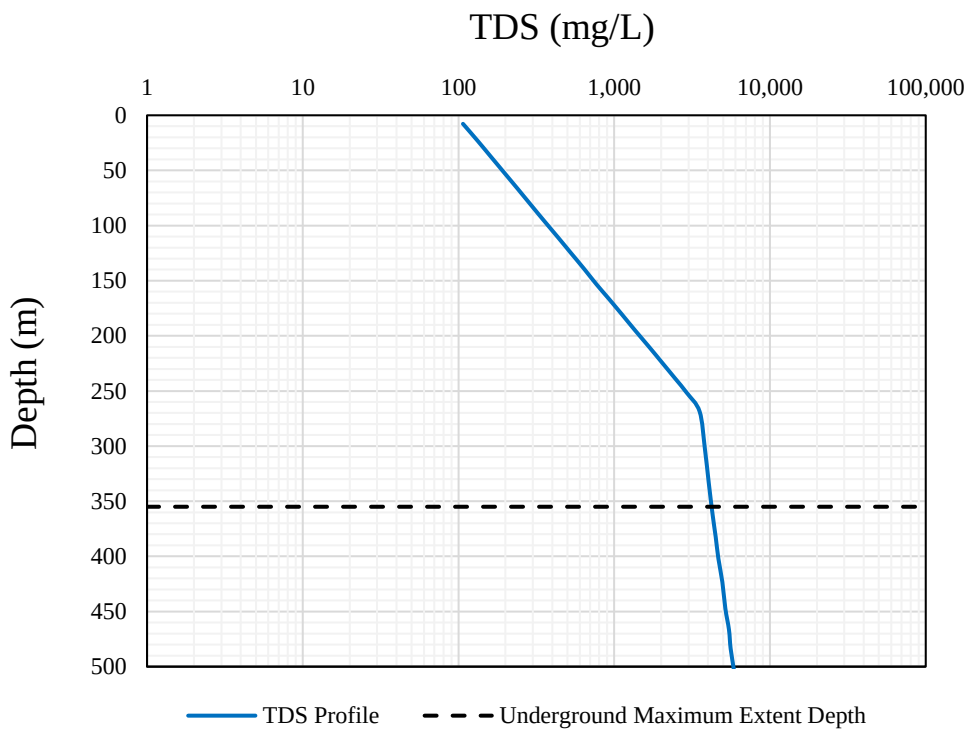



**Figure 4-3: Whale Tail groundwater total dissolved solids (TDS) profile. Modified from Golder (2023)**

#### *4.3.1.2 Wall Rock, Rockfill and Crushed Rock Fill*

Wall rock, rockfill and crushed rock fill (CRF) exposures will contribute a geochemical load to underground mine water. This load was calculated using an upscaling approach based on waste and ore production volumes, backfill schedule and composition of underground waste rock and ore. The approach to calculations for the underground wall rock load is as follows:

- The annual cumulative surface area of drifts were calculated based on the annual waste production from the underground, in–situ waste rock density of 2.78 t/m$^3$, and drift dimensions of 5 m x 5 m x 5 m.
- The annual cumulative surface area of stopes were calculated based on the annual ore production from the underground, in–situ ore density of 2.86 t/m$^3$, and stope dimensions of 30 m x 15 m x 5 m.
- The lithologic composition of drift walls was assumed identical to the composition of waste rock excavated from the underground (Table 4-13).

- Loadings from exposed drifts and stopes were calculated by multiplying the exposed surface areas with lithology specific loading rates (Table 3-3) and scaling factors (Table 3-4).

The approach to calculations for the underground rockfill and crushed rock fill is as follows:

- Mass of rockfill and CRF is based on the mass of waste rock extracted from the underground annually.
- The lithologic composition of rockfill and CRF was based on the composition of waste rock excavated from each underground facility (Table 4-13).
- Loadings from CRF and rockfill were calculated by multiplying the cumulative mass with lithology specific loading rates (Table 3-3) and scaling factors (Table 3-4).

The resulting loading was combined with estimated groundwater inflow chemistry and volume to produce source term concentrations presented in Section 4.3.4.

**Table 4-13:**
**Underground Total Waste Rock Lithological Proportions**

| Lithology | Whale Tail UG |
|---|---|
| Greywacke South | 26% |
| Greywacke Central | 3% |
| Greywacke North | 2% |
| Chert | 8% |
| Iron Formation | 8% |
| Ultramafic North | 18% |
| Ultramafic South | 18% |
| Basalt | 16% |
| Diorite | 0% |

### 4.3.2 Active Closure and Post-Closure

Upon completion of mining activities dewatering of the underground mines will be terminated. Mine workings will be passively flooded with infiltrating groundwater and be actively flooded with collection pond water from the mine surface. A closure source term is not required for the WBWQM input due to lack of underground mine dewatering. Details regarding potential groundwater flow paths in closure can be found in Lorax (2024).

### 4.3.3 Nitrogen Species

Nitrogen release from blasted rock to mine water is empirically estimated from mining and monitoring records using approaches similar to those described by Mueller and Fredrickson (2021) for an underground gold mine in northern British Columbia. Underground mine operational data from the Whale Tail and Meliadine Mines were used to develop $NO_2$, $NO_3$ and $NH_3$ source term concentrations for the ELOM water quality model.

The N source terms were derived from mine water quality, flows and blasted tonnage from the Meliadine underground mining operations (*i.e.*, Tiriganiaq), and water quality from the Whale Tail underground workings. The data used are presented in Figure 4-5 and Figure 4-5, respectively. The records for Whale Tail represent the early stages of mining, from 2020 through early 2023, when access tunnels are excavated within permafrost, groundwater inflows are considered negligible, and the available mine water is recirculated underground to the mine water supply. The high concentrations of ammonia, nitrate, and nitrite (63.5 to 550 mg N/L, 188 to 743 mg N/L and 1.8 to 7.9 mg N/L, respectively) observed in the Whale Tail mine water are attributed to low water volumes available for dilution when advancing tunnels within the permafrost layer. The median and $90^{th}$ percentile statistics for each year of monitoring data summarized in Table 4-14. A general decline in N species concentrations is observed from January 2022 through April 2023, and is attributed to increased inflows from melting permafrost in the existing workings. Source terms for N species were developed for 2022, and from 2023 to 2024 based on the median values from the underground. During later stages of underground mining at Whale Tail (2025-2028) the concentrations of N species are derived from Meliadine water quality scaled by the tonnage and predicted groundwater inflows for the Whale Tail underground workings.

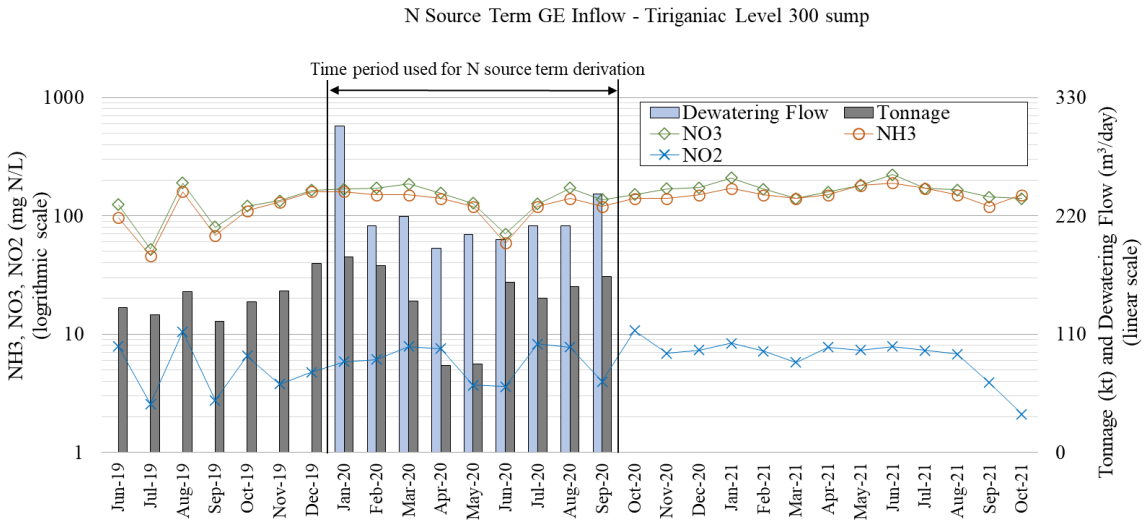



**Figure 4-4: Meliadine underground mine water quality at the Tiriganiaq 300 Level Sump for ammonia ($NH_3$), nitrate ($NO_3$) and nitrite ($NO_2$) during the June 2019 to October 2021 monitoring period. Monthly quantities for dewatering flow and tonnage are also plotted (from available records).**

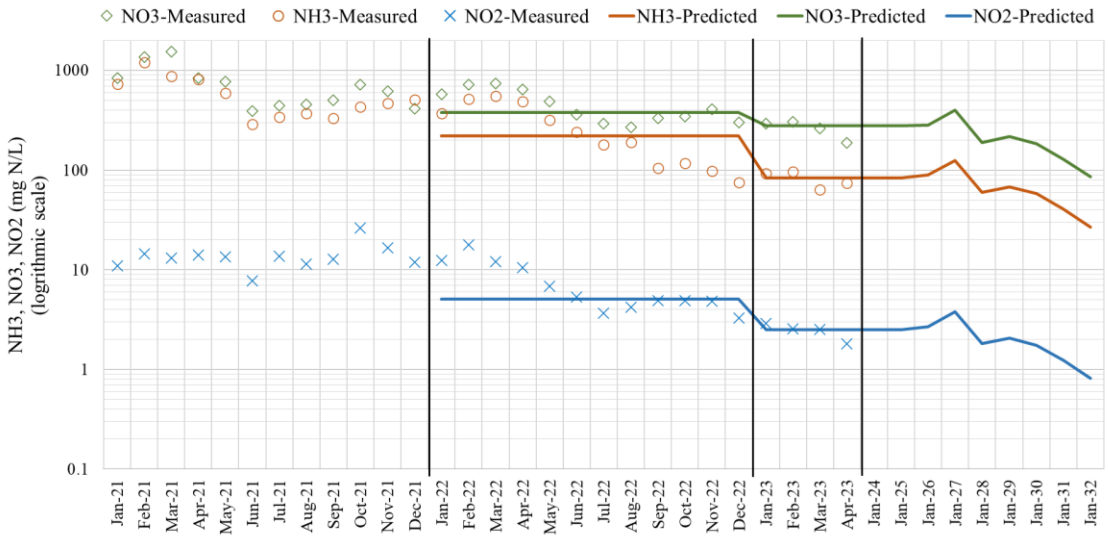



**Figure 4-5: Whale Tail underground mine water monitoring results for ammonia ($NH_3$), nitrate ($NO_3$) and nitrite ($NO_2$) during the January 2022 through April 2023 period when there were minimal groundwater inflows. Water quality predictions are plotted from 2022 through 2032. The plot shows a monthly time step from 2021 through 2022, and an annual time step from 2023 onwards.**

**Table 4-14:**
**Statistical Summary of nitrogen species monthly concentrations in Whale Tail underground water at the 300 Level Sump.**

| Parameter (mg N/L) | 2021 | | 2022 | | 2023 | |
|---|---|---|---|---|---|---|
| | Median | 90th Percentile | Median | 90th Percentile | Median | 90th Percentile |
| Ammonia ($NH_3$) | 490 | 1,100 | 220 | 540 | 83 | 96 |
| Nitrate ($NO_3$) | 670 | 1,500 | 380 | 740 | 280 | 300 |
| Nitrite ($NO_3$) | 10 | 20 | 5.1 | 16 | 2.5 | 2.9 |

During the period for which mining and dewatering records are available (January to September 2020) the Meliadine underground dewatering flows ranged from 190 to 300 $m^3$/day. Concurrently mined tonnages ranged from 81,000 to 182,000 t/month (average of 1.6 Mm3/year). The median and 90th percentile monthly values for excavation and dewatering rates are listed in Table 4-15. The concentrations of ammonia, nitrate and nitrite in the Level 300 Sump during this period range from 59 - 160 mg N/L, 70 - 185 mg N/L, and 3.6 - 8.3 mg N/L, respectively[1]. The median and 90th percentile statistics are presented in Table 4-16. These conditions are considered representative of Whale Tail operations from 2026 through 2032 when groundwater inflows are modelled to range from 203 to 340 $m^3$/day. The median percentile N species concentrations are used to derive source terms. The concentration values are scaled by the tonnage and dewatering flows planned for Whale Tail underground mining.

The N species source terms are set to the observed 2023 values in Table 4-14 for the 2023 to 2024 early mining period. For the 2025 to 2028 period, the source terms are derived from the values in Table 4-16 that are scaled to the planned excavation quantities shown in Table 4-18 and the predicted groundwater inflows listed in Table 3-2.

The formula used to calculate the N species source terms for the 2026 to 2032 period is:

$$C_{WT} = C_M \times \left(\frac{E_{WT}}{E_M}\right) \div \left(\frac{D_{WT}}{D_M}\right)$$

Where,

- $C_{WT}$ is the N species source term concentration for mine sump for each year of planned underground mining;

[1] Based on data downloaded from the Agnico Eagle Meadowbank Complex EQUIS database on June 5, 2023 for station *Level 300*. June 2019 to September 2020 monitoring period.

- $C_M$ is the median concentration of the N species that was observed at Meliadine (Table 4-16);
- $E_{WT}$ and $E_M$ are the annual excavation quantities planned for Whale Tail and observed at Meliadine (Table 4-15, median value, annualized); and,
- $D_{WT}$ and $D_M$ are the annual groundwater inflows predicted for Whale Tail and measured at Meliadine Table 4-15, median value).

**Table 4-15:**
**Statistical summary of Excavation and Dewatering monthly data from the Meliadine underground workings (Tiriganiaq).**

| Activity | Median | 90th Percentile |
|---|---|---|
| Dewatering ($m^3$/day/month) | 210 | 303 |
| Excavation (t/month) | 140,000 | 175,000 |

**Table 4-16:**
**Statistical Summary of nitrogen species monthly concentrations in Whale Tail underground water at the 300 Level Sump (January to September 2020).**

| Parameter (mg N/L) | Median | 90th Percentile |
|---|---|---|
| Ammonia ($NH_3$) | 140 | 160 |
| Nitrate ($NO_3$) | 155 | 185 |
| Nitrite ($NO_3$) | 6.07 | 8.26 |

**Table 4-17:**
**Planned annual underground excavation tonnages for the Whale Tail Mine.**

| Year | Underground Excavation (Ore and Waste) (t) |
|---|---|
| 2022 | 391,451 |
| 2023 | 1,084,014 |
| 2024 | 1,166,495 |
| 2025 | 1,165,627 |
| 2026 | 818,417 |
| 2027 | 741,812 |
| 2028 | 355,640 |

### 4.3.4 Results

The final source term predictions for underground sump water chemistry are applied as an annual concentration (mg/L) for each parameter and is presented in Table 4-18.

## Table 4-18:
## Underground Mine Source Term

| Parameter | Unit | Operations | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** |
| TDS | mg/L | 4217 | 4217 | 4217 | 4217 | 4217 | 4217 | 4217 |
| $NH_3$-N | mg/L | 220 | 83 | 83 | 690 | 540 | 540 | 286 |
| $NO_3$-N | mg/L | 380 | 280 | 280 | 740 | 590 | 580 | 307 |
| $NO_2$-N | mg/L | 5.1 | 2.5 | 2.5 | 32 | 25 | 25 | 13 |
| Cl | mg/L | 2788 | 2751 | 2744 | 2739 | 2749 | 2760 | 2774 |
| F | mg/L | 3.6 | 1.7 | 1.4 | 1.1 | 1.6 | 2.2 | 2.9 |
| $SO_4$ | mg/L | 1804 | 843 | 649 | 506 | 767 | 1068 | 1441 |
| Ag | mg/L | 0.00058 | 0.00028 | 0.00022 | 0.00018 | 0.00026 | 0.00035 | 0.00047 |
| Al | mg/L | 0.44 | 0.32 | 0.25 | 0.20 | 0.29 | 0.41 | 0.44 |
| As | mg/L | 51 | 24 | 18 | 14 | 22 | 30 | 41 |
| B | mg/L | 1.7 | 1.4 | 1.3 | 1.2 | 1.3 | 1.4 | 1.6 |
| Ba | mg/L | 1.1 | 0.6 | 0.46 | 0.38 | 0.53 | 0.69 | 0.9 |
| Be | mg/L | 0.00026 | 0.00018 | 0.00016 | 0.00015 | 0.00017 | 0.00020 | 0.00023 |
| Ca | mg/L | 1775 | 1385 | 1306 | 1248 | 1354 | 1476 | 1628 |
| Cd | mg/L | 0.00035 | 0.00017 | 0.00014 | 0.00011 | 0.00016 | 0.00021 | 0.00028 |
| Co | mg/L | 0.021 | 0.010 | 0.0076 | 0.0060 | 0.0089 | 0.012 | 0.016 |
| Cr | mg/L | 0.0056 | 0.0031 | 0.0026 | 0.0023 | 0.0029 | 0.0037 | 0.0047 |
| Cu | mg/L | 0.017 | 0.0081 | 0.0063 | 0.0049 | 0.0074 | 0.010 | 0.014 |
| Fe | mg/L | 0.080 | 0.080 | 0.080 | 0.074 | 0.080 | 0.080 | 0.080 |
| Hg | mg/L | 0.00023 | 0.00011 | 0.000083 | 0.000065 | 0.00010 | 0.00014 | 0.00019 |
| K | mg/L | 547 | 257 | 199 | 156 | 234 | 325 | 438 |
| Li | mg/L | 0.13 | 0.067 | 0.054 | 0.045 | 0.062 | 0.082 | 0.11 |
| Mg | mg/L | 148 | 69 | 53 | 42 | 63 | 88 | 118 |
| Mn | mg/L | 2.2 | 1.0 | 0.78 | 0.61 | 0.92 | 1.3 | 1.7 |
| Mo | mg/L | 0.089 | 0.042 | 0.033 | 0.026 | 0.038 | 0.053 | 0.071 |
| Na | mg/L | 638 | 582 | 571 | 563 | 578 | 596 | 617 |
| Ni | mg/L | 0.22 | 0.11 | 0.081 | 0.063 | 0.10 | 0.13 | 0.18 |
| P | mg/L | 0.0036 | 0.0046 | 0.0049 | 0.0052 | 0.0048 | 0.0043 | 0.0039 |
| Pb | mg/L | 0.0019 | 0.0010 | 0.00082 | 0.00068 | 0.00093 | 0.0012 | 0.0016 |
| Sb | mg/L | 0.51 | 0.24 | 0.18 | 0.14 | 0.22 | 0.30 | 0.41 |
| Se | mg/L | 0.055 | 0.029 | 0.024 | 0.020 | 0.027 | 0.035 | 0.045 |
| Sr | mg/L | 26 | 24 | 24 | 23 | 24 | 24 | 25 |
| Tl | mg/L | 0.00088 | 0.00042 | 0.00032 | 0.00025 | 0.00038 | 0.00053 | 0.00071 |
| U | mg/L | 0.069 | 0.032 | 0.025 | 0.019 | 0.029 | 0.041 | 0.055 |
| V | mg/L | 0.21 | 0.10 | 0.078 | 0.062 | 0.092 | 0.13 | 0.17 |
| Zn | mg/L | 0.054 | 0.028 | 0.022 | 0.019 | 0.026 | 0.034 | 0.044 |
| $^{226}Ra$ | Bq/L | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |

## *4.4 Exposed Lake Sediments*

Lakebed sediments are exposed on dewatered areas of Whale Tail North Basin. The geochemical composition and ML/ARD potential of lakebed sediments were characterized in Golder (2018a) and Lorax (2023b). These reports concluded that the lakebeds have low ARD potential but contained some arsenic and nitrogen leaching potential. The most direct evidence for this comes from exposed unsaturated column results presented in Lorax (2023a).

Unsaturated column leachate was sampled biweekly over 18 weeks, with the highest trace metal leachate concentrations reported the first cycle, progressively declining over the following few cycles and stabilizing by the sixth cycle (Lorax 2023a). These results are interpreted as an initial flushing of trace metals, followed by long–term leaching at low concentrations. These results were applied to the exposed lake bed sediment source term as follows:

- The first year that lake sediments are exposed they are assigned the average column leachate concentrations observed in the first 10 weeks of testing.
- After the first year that lake sediments are exposed, they are assigned the average column leachate concentration observed from weeks 10 to 18.

The exposed lake sediment runoff source terms are presented in Table 4-19

**Table 4-19:**
**Exposed Lake Sediment Runoff Source Terms**

| Parameter | Unit | Lakebed Sediment Runoff |
|---|---|---|
| TDS | mg/L | 107 |
| $NH_3$-N | mg/L | 9.5 |
| $NO_3$-N | mg/L | 0.01 |
| $NO_2$-N | mg/L | 0.023 |
| Cl | mg/L | 16 |
| F | mg/L | 0.68 |
| $SO_4$ | mg/L | 0.3 |
| Ag | mg/L | 0.000002 |
| Al | mg/L | 0.00093 |
| As | mg/L | 0.014 |
| B | mg/L | 0.01 |
| Ba | mg/L | 0.08 |
| Be | mg/L | 0.0000025 |
| Ca | mg/L | 54 |
| Cd | mg/L | 0.0000031 |
| Co | mg/L | 0.0014 |
| Cr | mg/L | 0.00041 |
| Cu | mg/L | 0.00038 |
| Fe | mg/L | 0.043 |
| Hg | mg/L | 0.000005 |
| K | mg/L | 9.1 |
| Li | mg/L | 0.0015 |
| Mg | mg/L | 11 |
| Mn | mg/L | 3.1 |
| Mo | mg/L | 0.00057 |
| Na | mg/L | 3.5 |
| Ni | mg/L | 0.0045 |
| P | mg/L | 0.013 |
| Pb | mg/L | 0.0000063 |
| Sb | mg/L | 0.000094 |
| Se | mg/L | 0.00028 |
| Sr | mg/L | 0.000017 |
| Tl | mg/L | 0.0000083 |
| U | mg/L | 0.00023 |
| V | mg/L | 0.00004 |
| Zn | mg/L | 0.0011 |

## 4.5 Temporary Stockpiles and Mine Facilities Area

Temporary stockpiles at the Whale Tail Mine include the NPAG/NML stockpile, open pit ore stockpile, marginal ore stockpile, underground ore stockpile and underground waste rock stockpiles. These stockpiles only exist during Operations and will be removed prior to Active Closure.

The term "mine facilities" encompasses all areas where NPAG/NML waste rock fill are used in pad construction. This includes the Whale Tail camp complex, crusher pad, exploration pad, warehouse pad, fuel pad, underground portal pads, and constructed dikes.

### 4.5.1 Operations

#### *4.5.1.1 NPAG/NML Stockpile*

During Operations, NPAG/NML waste rock will be segregated and stockpiled in a designated facility before being used for the construction and capping of the IVR WRSF and Whale Tail WRSF in Closure. Contact water from the NPAG/NML stockpile will be managed and directed to the attenuation ponds.

The NPAG/NML source term is calculated using the NPAG/NML loading rate, following the same upscaled loadings approach as the WRSF source terms. This includes applying the same runoff coefficient, interaction depth, scaling factors, and calibration factors used for the Whale Tail WRSF source terms.

#### *4.5.1.2 Open Pit Ore Stockpiles*

Ore generated from mining the open pits will be stored in designated stockpiles before being transported to the Meliadine Mine mill facility for processing. Loadings from the ore stockpiles and marginal ore stockpile are calculated based on the ore loading rate. The source terms for the open pit stockpiles are scaled to a concentration using the same approach and assumptions (runoff coefficient, interaction depth, scaling factors) as the WRSFs. The calibration factors used for the Whale Tail WRSF source term are also applied to the open pit ore stockpile.

#### *4.5.1.3 Underground Ore and Waste Rock Stockpiles*

Ore and waste rock generated from underground mining operations will be stored in designated surface facilities near the underground portals. A single source term is used to represent contact water from the underground ore and waste rock stockpiles. The source term concentration was based on the average 2021 monitoring data from the groundwater storage pond (GSP-1) which collects runoff from existing underground stockpiles. The

average concentration as corrected to account for dilution from other mine sources using the same tracer model approach described in Section 3.7 for waste rock and pit walls.

#### *4.5.1.4 Mine Facilities Areas*

The mine facilities source terms used to represent loading from materials placed in the camp site and other constructed pads. These source terms were applied as constant values throughout Operations. In Post–closure, these facilities are assumed to be reclaimed, and some will eventually be flooded by Kangislulik Lake following decommissioning of the Kangislulik dike and Whale Tail Lake dike.

Loadings from the mine facilities areas are calculated using the NPAG/NML loading rate and a runoff interaction depth of 2 m. The same runoff coefficient, scaling factors and calibration factors used for the Whale Tail WRSF source term are applied in the calculation of the predicted mine facilities area source term concentration.

### 4.5.2 Nitrogen Species

During Operations, the WRSF nitrogen species source term is applied to the NPAG/NML Stockpile, Open Pit Ore Stockpiles and Mine Facilities Areas. Nitrogen species for the underground ore and waste rock stockpiles are developed similar to major ions for this source term.

### 4.5.3 Results

The source term results representing contact water from the NPAG/NML stockpile, mine facilities areas, open pit ore stockpiles, underground ore and waste rock stockpiles are presented in Table 4-20.

**Table 4-20:**
**Temporary Stockpiles and Mine Facilities Areas Source Term Results**

| Parameter | Unit | NPAG/NML Stockpile | Open Pit Ore Stockpile | Underground Ore and Waste Rock Stockpiles | Mine Facilities Areas |
|---|---|---|---|---|---|
| TDS | mg/L | 48 | 283 | 14908 | 31 |
| $NH_3$-N | mg/L | 0.40 | 0.40 | 111 | 0.40 |
| $NO_3$-N | mg/L | 4.7 | 4.7 | 319 | 4.7 |
| $NO_2$-N | mg/L | 0.043 | 0.043 | 4.9 | 0.043 |
| Cl | mg/L | 3.4 | 43 | 10000 | 11 |
| F | mg/L | 0.32 | 0.45 | 0.93 | 0.13 |
| $SO_4$ | mg/L | 23 | 133 | 323 | 10 |
| Ag | mg/L | 0.000012 | 0.00036 | 0.00070 | 0.0000051 |
| Al | mg/L | 0.13 | 0.18 | 0.44 | 0.057 |
| As | mg/L | 0.00020 | 0.46 | 0.37 | 0.000084 |
| B | mg/L | 0.0092 | 0.068 | 0.025 | 0.0039 |
| Ba | mg/L | 0.055 | 0.047 | 3.5 | 0.023 |
| Be | mg/L | 0.000023 | 0.000077 | 0.00026 | 0.000010 |
| Ca | mg/L | 8.6 | 60 | 3592 | 2.7 |
| Cd | mg/L | 0.000011 | 0.000036 | 0.0076 | 0.0000048 |
| Co | mg/L | 0.00052 | 0.0057 | 0.00026 | 0.00022 |
| Cr | mg/L | 0.00011 | 0.00048 | 0.054 | 0.000048 |
| Cu | mg/L | 0.0063 | 0.0064 | 0.019 | 0.0027 |
| Fe | mg/L | 0.025 | 0.078 | 0.078 | 0.010 |
| Hg | mg/L | 0.000032 | 0.000069 | 0.000093 | 0.000014 |
| K | mg/L | 5.4 | 26 | 226 | 2.3 |
| Li | mg/L | 0.0025 | 0.0098 | 3.8 | 0.0011 |
| Mg | mg/L | 1.6 | 7.0 | 192 | 0.42 |
| Mn | mg/L | 0.037 | 0.62 | 17 | 0.016 |
| Mo | mg/L | 0.0052 | 0.0091 | 0.039 | 0.0022 |
| Na | mg/L | 0.51 | 7.7 | 123 | 0.24 |
| Ni | mg/L | 0.0045 | 0.22 | 0.78 | 0.0019 |
| P | mg/L | 0.0025 | 0.034 | 0.00012 | 0.0011 |
| Pb | mg/L | 0.000085 | 0.00022 | 0.0074 | 0.000036 |
| Sb | mg/L | 0.0015 | 0.012 | 0.00064 | 0.00063 |
| Se | mg/L | 0.00036 | 0.0012 | 0.0051 | 0.00015 |
| Sr | mg/L | 0.027 | 0.15 | 0.00011 | 0.012 |
| U | mg/L | 0.000021 | 0.00020 | 0.0016 | 0.0000089 |
| V | mg/L | 0.0023 | 0.00028 | 0.0010 | 0.0010 |
| Tl | mg/L | 0.0020 | 0.0018 | 0.0076 | 0.00083 |
| Zn | mg/L | 0.0066 | 0.014 | 0.18 | 0.0028 |
| $^{226}Ra$ | Bq/L | 0 | 0 | 0 | 0 |

## 4.6 Whale Tail Pit and Dike Seepage

Shallow groundwater seepage through dike structures and along WT Pit wall faces will occur throughout Operations and Active Closure. The shallow groundwater system is dominated by seepage originating from surrounding lakes (Whale Tail South Basin and Kangislulik Lake) or sediment ponds (WT Attenuation Ponds) into dewatered areas of the mine site (*e.g.*, Whale Tail North Basin and WT Pit). The shallow groundwater system is distinct from the deep groundwater system beneath the permafrost which has elevated TDS and interacts with the underground mine workings (Section 4.3).

Shallow groundwater seepage through the existing WT Dike and into the WT Pit has been monitored since 2019. The monitoring WQ data is directly applied to the WT Pit and Dike seepage source terms as follows:

- The average observed concentration at monitoring station ST-GW-WT-1 from Jan., 2019 to Mar., 2023 was applied to WT Pit seepage.
- The average observed concentration at monitoring station ST-WT-17 from Jan., 2019 to Mar., 2023 was applied to WT Dike Seepage and Kangislulik Dike Seepage.

The resulting source terms are shown in Table 4-21. These source terms are applied during Operations and Active Closure. No further seepage occurs through the Dikes or into the WT Pit once dikes are removed and mine voids are fully flooded at the end of Active Closure.

**Table 4-21:**
**Groundwater Seepage into Whale Tail Pit and Whale Tail Dike Seepage Source Term Results**

| Parameter | Unit | Shallow Groundwater Seepage to Whale Tail Pit | Whale Tail Dike and Kangislulik Dike Seepage |
|---|---|---|---|
| TDS | mg/L | 212 | 62 |
| $NH_3$–N | mg/L | 0.634 | 0.061 |
| $NO_3$–N | mg/L | 0.43 | 0.39 |
| $NO_2$–N | mg/L | 0.017 | 0.010 |
| Cl | mg/L | 40 | 15 |
| F | mg/L | 0.21 | 0.10 |
| $SO_4$ | mg/L | 42 | 16 |
| Ag | mg/L | 0.00001 | 0.000020 |
| Al | mg/L | 0.0041 | 0.011 |
| As | mg/L | 0.023 | 0.0065 |
| B | mg/L | 0.01 | 0.050 |
| Ba | mg/L | 0.086 | 0.028 |
| Be | mg/L | 0.000075 | 0.00010 |
| Ca | mg/L | 34 | 20 |
| Cd | mg/L | 0.000008 | 0.000010 |
| Co | mg/L | 0.001 | 0.00010 |
| Cr | mg/L | 0.00073 | 0.00050 |
| Cu | mg/L | 0.00067 | 0.0012 |
| Fe | mg/L | 0.42 | 0.016 |
| Hg | mg/L | 0.0000075 | 0.000010 |
| K | mg/L | 4.0 | 4.0 |
| Li | mg/L | 0.0059 | 0.0024 |
| Mg | mg/L | 7.1 | 3.4 |
| Mn | mg/L | 0.26 | 0.10 |
| Mo | mg/L | 0.011 | 0.0018 |
| Na | mg/L | 7.6 | 3.0 |
| Ni | mg/L | 0.0038 | 0.0010 |
| P | mg/L | 0.011 | 0.0053 |
| Pb | mg/L | 0.00015 | 0.00020 |
| Sb | mg/L | 0.00056 | 0.00050 |
| Se | mg/L | 0.00013 | 0.00011 |
| Sr | mg/L | 0.2 | 0.26 |
| Tl | mg/L | 0.0000087 | 0.000010 |
| U | mg/L | 0.00058 | 0.00077 |
| V | mg/L | 0.005 | 0.0050 |
| Zn | mg/L | 0.0038 | 0.0050 |
| Ra–226 | Bq/L | 0.051 | 0 |

# 5. Summary

AGNICO EAGLE

# 5. Summary

This report provides the geochemical source terms developed for the ELOM WQWQM update. Geochemical source terms are a fundamental input into the WBWQM and represent the water quality of contact water that interacts with geological materials disturbed by mining activities.

Development of geochemical source terms for the ELOM model was generally consistent with past modelling iterations (Golder, 2018). That is, calculations incorporated upscaled kinetic testing results for ore and waste rock identical to those applied in the 2018 FEIS. Some updates were made related to changes in the climate forecast, water balance and mine schedule. Similarly, some additional kinetic testing information on lakebed sediments and saturated waste rock has been incorporated. These additional data sources provide opportunities to refine source term inputs, but do not represent a change in the fundamental source term approach.

The geochemical source terms developed for the ELOM WBWQM also incorporate site monitoring data which was not available at the time of the 2018 FEIS. Mine site flows and source loadings were parameterized via a calibration exercise that utilized monitoring data from the early Operations period (2020-2022). This approach ensures that source term loading rates can be reconciled with monitoring data observed in the IVR Pit, Whale Tail Pit, Whale Tail WRSF and IVR WRSF. Furthermore, monitoring data is available for shallow groundwater seepages through the Whale Tail Dike and into the Whale Tail Pit, which can directly be applied as source terms for these flows. Source term calibration and incorporation of monitoring data reduces the uncertainty associated with upscaling laboratory-based kinetic test loading rates by incorporating site monitoring data, allowing for more confidence in the ultimate water quality predictions.

Most source terms are input to the WBWQM as annual average concentrations, and are tabulated in Appendix A. The resulting water quality model predictions for mine site collection ponds and the downstream receiving environment presented in the accompanying *Whale Tail ELOM: Water Balance and Water Quality Model Technical Report.*

# 6. Closure

AGNICO EAGLE

# 6. Closure

We trust that this report meets your requirements at this time. Please contact us should you have any questions or concerns or require additional information in support of this work.

Yours sincerely,

**LORAX ENVIRONMENTAL SERVICES LTD.**

**Prepared by:**

**Nicole Marsh, M.Sc., P.GEO. (BC)**
Geochemist

**Cheng Kuang, M.Sc. RBTech. (BC)**
Environmental Scientist

REGISTERED PROFESSIONAL GEOSCIENTIST
J.W. DOCKREY
LICENSEE
NT/NU
APR 30, 2024

**John Dockrey, M.Sc., P.GEO (BC, NT/NU, ON)**
Senior Geochemist

**Reviewed by:**

PERMIT TO PRACTICE
LORAX ENVIRONMENTAL SERVICES LTD.
Signature
Date April 30 2024
PERMIT NUMBER: P 1487
NT/NU Association of Professional Engineers and Geoscientists

**David Flather, M.Sc.**
Principal Scientist

# *References*



# References


Agnico Eagle. 2018. Technical Report on the Mineral Resources and Mineral Reserves at Meadowbank Gold Complex including the Amaruq Satellite Mine Development, Nunavut, Canada. Prepared for Agnico Eagle Mines by David Paquin Bilodeau, Robert Badiu, Pierre McMullen, Karl and Leetman. March 22, 2018.

Agnico Eagle. 2024. Whale Tail Mine Water Management Plan. Agnico Eagle Meadowbank Division. March 2024.

Ahonen, L., & Tuovinen, O. H. (1991). Temperature effects on bacterial leaching of sulfide minerals in shake flask experiments. Applied and environmental microbiology, 57(1), 138–145.

Baily, B.L., Smith, L.J.D., Blowes, D.W., Ptacek, C.J., Smith, L. & Sego, D.C. (2013). The Diavik Waste Rock Project: Persistence of contaminants from blasting agents in waste rock effluent. Applied Geochemistry. Volume 36, September 2013, pp 256–270.

Bernhard, A. (2010) The Nitrogen Cycle: Processes, Players, and Human Impact. Nature Education Knowledge 3(10):25.

Chlot S, Widerlund A, Siergieiev D, Ecke F, Husson E, Öhlander B. Modelling nitrogen transformations in waters receiving mine effluents. Sci Total Environ. 2011 Oct 1;409(21):4585–95.

Ferguson, K. & Leask, S. M. (1988). The Export of Nutrients from Surface Coal Mines. Regional Program Report 87–12. Environmental Protection, Conservation and Protection, Pacific and Yukon Region, Environment Canada, West Vancouver, B.C., 127 pp.

Golder Associates Ltd. (Golder). 2016. Evaluation of the Geochemical Properties of Waste Rock, Ore, Tailings, Overburden and Sediment from the Whale Tail Pit and Road Aggregate Materials. Report for Agnico Eagle Mines Ltd. Volume 5, Appendix 5–E. Project number 1520817 Doc 042, issued June 2016

Golder Associates Ltd. (Golder). 2018a. Evaluation of the Geochemical Properties of Waste Rock, Ore, Tailings, Overburden and Sediment. Report for Agnico Eagle Mines Ltd. Document No. 1789310_182_RPT_Rev1. Issued November 2018.

Golder Associates Ltd. (Golder). 2018b. Mine Site and Downstream Receiving Water Quality Predictions. Report for Agnico Eagle Mines Ltd. Document No. 1789310–237–RPT–Rev0. Issued November 2018.

Golder Associates Ltd. (Golder). 2018c. Arsenic Diffusion Model – Description of Methods. Technical memorandum for Agnico Eagle Mines Ltd. Document No. 1789310–233–TM–RevA. Issued November 29, 2018.

Golder Associates Ltd. (Golder). 2019. Mine Site and Downstream Receiving Water Quality Predictions. Report for Agnico Eagle Mines Ltd. Document No. 18108905–308–RPT–Rev0. Issued May 2019.

Golder Associates Ltd. (Golder). 2020. Arsenic Release from Waste Rock and Pit Wall Rock – Supplemental Geochemical Testing at the Whale Tail Pit Project, Agnico Eagle Mines, Meadowbank Division. Report for Agnico Eagle Mines Ltd. Document No. 18108905–377–RPT–RevA. Issued May 2020.

Golder Associates Ltd. (Golder). 2021. Whale Tail Project – IVR and Whale Tail Pushback. Report prepared for Agnico Eagle Mines Ltd. Document No. 21459323–521–RPT–Rev0. Issued June 8, 2021.

Golder Associates Ltd. (2023). Whale Tail Pit Project – 2022 Groundwater Management Monitoring Report. Technical memorandum prepared for Agnico Eagle Mines Ltd. Doc No. 22525330–TM–578–Rev0. Issued March 28, 2022.

Lijklema, L. (1980). Interaction of orthophosphate with iron(III) and aluminum hydroxides. Environmental Science & Technology, 14(5), 537–541.

Lorax (2023a). Whale Tail Extension Geochemical Update. Report prepared for Agnico Eagle Ltd. Submitted July 2023.

Lorax (2023b). Whale Tail Modification Water Quality and Water Balance Report. Report prepared for Agnico Eagle Ltd. Submitted June 2023.

Lorax (2023c). 2023 Hydrogeological Field Program at Whale Tail Underground. Memorandum prepared for Agnico Eagle Ltd. Submitted June 21, 2023.

Lorax (2024). Draft Whale Tail ELOM Hydrogeological Model Report. Prepared for Agnico Eagle Ltd. In draft.

Nilsson, L., & Widerlund, A. (2018). Modelling tool for predicting and simulating nitrogen concentrations in cold–climate mining ponds. *Ecological Modelling, 380*, 40–52.

O'Kane (OKC) 2022. Whale Tail Extension Geotechnical and Thermal Design Basis. Technical memorandum prepared for Agnico Eagle Mines Ltd. Document No. 948–226–003 Rev3. October 2022.

Martin, A.J., Crusius, J., McNee, J.J., and Yanful. 2003. The mobility of radium–226 and trace metals in pre–oxidized subaqueous uranium mine tailings. Applied Geochemistry.

Mueller, P., Fredrickson, L. 2021. Nitrogen Prediction and Management at the Brucejack Mine [Conference presentation]. BC MEND ML/ARD Annual Workshop, Vancouver, BC, Canada. December 7, 2021. https://bc–mlard.ca/files/presentations/2021–4–MUELLER–FREDRICKSON–nitrogen–prediction–management–brucejack.pdf

Sidenko, N., (2018). Nitrogen leaching from explosives into mine water of an underground mine. Proceedings 11th ICARD, IMWA, WISA MWD 2018 Conference – Risk to Opportunity, Pretoria, South Africa. September 10 – 14, 2018.

# *Appendix A: Source Term Results*



AGNICO EAGLE

**Appendix A-1:Whale Tail Pit wall runoff source term results**

| Year | TDS | $NH_3$-N | $NO_3$-N | $NO_2$-N | Cl | F | $SO_4$ | Ag | Al | As | B | Ba | Be |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| 2020 | 1198 | 12 | 22 | 1.9 | 433 | 0.34 | 301 | 0.0000057 | 0.034 | 0.1 | 0.0062 | 0.25 | 0.0000065 |
| 2021 | 1359 | 12 | 22 | 1.9 | 42 | 0.49 | 910 | 0.0000063 | 0.031 | 1.0 | 0.0065 | 0.09 | 0.0000061 |
| 2022 | 1813 | 12 | 22 | 1.9 | 56 | 0.26 | 1224 | 0.0000069 | 0.028 | 3.7 | 0.0069 | 0.01 | 0.0000056 |
| 2023 | 1580 | 12 | 22 | 1.9 | 46 | 0.34 | 1066 | 0.0000070 | 0.024 | 1.6 | 0.0071 | 0.10 | 0.0000050 |
| 2024 | 1598 | 12 | 22 | 1.9 | 44 | 0.34 | 1081 | 0.0000068 | 0.024 | 1.5 | 0.0070 | 0.11 | 0.0000049 |
| 2025 | 1657 | 12 | 22 | 1.9 | 43 | 0.34 | 1125 | 0.0000068 | 0.023 | 1.5 | 0.0072 | 0.11 | 0.0000047 |
| 2026 | 1654 | 12 | 22 | 1.9 | 43 | 0.34 | 1124 | 0.0000068 | 0.023 | 1.5 | 0.0072 | 0.11 | 0.0000047 |
| 2027 | 1654 | 12 | 22 | 1.9 | 43 | 0.34 | 1124 | 0.0000068 | 0.023 | 1.5 | 0.0072 | 0.11 | 0.0000047 |
| 2028 | 1618 | 0 | 0 | 0 | 43 | 0.34 | 1124 | 0.0000068 | 0.023 | 1.5 | 0.0072 | 0.11 | 0.0000047 |
| 2029-2069 | 1618 | 0 | 0 | 0 | 43 | 0.34 | 1124 | 0.0000068 | 0.023 | 1.5 | 0.0072 | 0.11 | 0.0000047 |

| Year | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | Li | Mg | Mn | Mo | Na |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| 2020 | 336 | 0.00000 | 0.00027 | 0.000050 | 0.041 | 0.0076 | 0.0000092 | 4.7 | 0.0012 | 22 | 0.018 | 0.103 | 64.94 |
| 2021 | 293 | 0.00001 | 0.00032 | 0.000049 | 0.000 | 0.0071 | 0.0000086 | 4.9 | 0.0012 | 66 | 0.048 | 0.042 | 6.32 |
| 2022 | 394 | 0.00030 | 0.00037 | 0.000047 | 0.010 | 0.0067 | 0.0000080 | 5.1 | 0.0013 | 89 | 0.072 | 0.105 | 8.33 |
| 2023 | 342 | 0.00033 | 0.00038 | 0.000045 | 0.016 | 0.0059 | 0.0000071 | 5.3 | 0.0012 | 77 | 0.081 | 0.071 | 6.87 |
| 2024 | 345 | 0.00034 | 0.00039 | 0.000045 | 0.016 | 0.0059 | 0.0000069 | 5.3 | 0.0013 | 78 | 0.084 | 0.071 | 6.64 |
| 2025 | 358 | 0.00034 | 0.00039 | 0.000045 | 0.016 | 0.0057 | 0.0000067 | 5.4 | 0.0013 | 82 | 0.085 | 0.071 | 6.52 |
| 2026 | 357 | 0.00034 | 0.00039 | 0.000045 | 0.016 | 0.0057 | 0.0000067 | 5.4 | 0.0013 | 81 | 0.084 | 0.071 | 6.48 |
| 2027 | 357 | 0.00034 | 0.00039 | 0.000045 | 0.016 | 0.0057 | 0.0000067 | 5.4 | 0.0013 | 81 | 0.084 | 0.071 | 6.48 |
| 2028 | 357 | 0.00034 | 0.00039 | 0.000045 | 0.016 | 0.0057 | 0.0000067 | 5.4 | 0.0013 | 81 | 0.084 | 0.071 | 6.48 |
| 2029-2069 | 357 | 0.00034 | 0.00039 | 0.000045 | 0.016 | 0.0057 | 0.0000067 | 5.4 | 0.0013 | 81 | 0.084 | 0.071 | 6.48 |

| Year | Ni | P | Pb | Sb | Se | Sr | Tl | U | V | Zn | $^{226}$Ra |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| 2020 | 0.17 | 0.0013 | 0.000026 | 0.0050 | 0.0052 | 0.029 | 0.0000096 | 0.00078 | 0.0016 | 0.0019 | 0 |
| 2021 | 0.19 | 0.0013 | 0.000025 | 0.0047 | 0.0023 | 0.032 | 0.0000095 | 0.00081 | 0.0015 | 0.0018 | 0 |
| 2022 | 1.47 | 0.0013 | 0.000024 | 0.0047 | 0.0004 | 0.034 | 0.0000091 | 0.00082 | 0.0014 | 0.0018 | 0 |
| 2023 | 0.65 | 0.0012 | 0.000022 | 0.0048 | 0.0032 | 0.036 | 0.0000088 | 0.00083 | 0.0014 | 0.0016 | 0 |
| 2024 | 0.61 | 0.0013 | 0.000023 | 0.0042 | 0.0034 | 0.037 | 0.0000090 | 0.00086 | 0.0014 | 0.0016 | 0 |
| 2025 | 0.61 | 0.0013 | 0.000022 | 0.0041 | 0.0035 | 0.038 | 0.0000089 | 0.00087 | 0.0014 | 0.0015 | 0 |
| 2026 | 0.61 | 0.0013 | 0.000023 | 0.0041 | 0.0036 | 0.038 | 0.0000089 | 0.00087 | 0.0014 | 0.0015 | 0 |
| 2027 | 0.61 | 0.0013 | 0.000023 | 0.0041 | 0.0036 | 0.038 | 0.0000089 | 0.00087 | 0.0014 | 0.0015 | 0 |
| 2028 | 0.61 | 0.0013 | 0.000023 | 0.0041 | 0.0036 | 0.038 | 0.0000089 | 0.00087 | 0.0014 | 0.0015 | 0 |
| 2029-2069 | 0.61 | 0.0013 | 0.000023 | 0.0041 | 0.0036 | 0.038 | 0.0000089 | 0.00087 | 0.0014 | 0.0015 | 0 |

**Appendix A-2: IVR Pit wall runoff source term results**

| Year | TDS | $NH_3$-N | $NO_3$-N | $NO_2$-N | Cl | F | $SO_4$ | Ag | Al | As | B | Ba | Be |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| 2020 | 609 | 1.4 | 2.1 | 0.19 | 297 | 0.12 | 35 | 0.00010 | 0.0055 | 0.0012 | 0.0061 | 0.28 | 0.0000018 |
| 2021 | 1064 | 12 | 22 | 1.9 | 295 | 0.33 | 376 | 0.0000058 | 0.0058 | 6.3 | 0.0061 | 0.23 | 0.0000018 |
| 2022 | 733 | 12 | 22 | 1.9 | 235 | 0.19 | 209 | 0.0000060 | 0.0060 | 5.2 | 0.0059 | 0.15 | 0.0000018 |
| 2023 | 742 | 12 | 22 | 1.9 | 256 | 0.25 | 189 | 0.0000056 | 0.0065 | 5.6 | 0.0054 | 0.22 | 0.0000018 |
| 2024 | 941 | 12 | 22 | 1.9 | 265 | 0.28 | 324 | 0.0000061 | 0.0061 | 5.2 | 0.0060 | 0.20 | 0.0000018 |
| 2025 | 1107 | 12 | 22 | 1.9 | 271 | 0.30 | 437 | 0.0000067 | 0.0058 | 4.6 | 0.0063 | 0.19 | 0.0000018 |
| 2026 | 1217 | 12 | 22 | 1.9 | 275 | 0.32 | 512 | 0.0000070 | 0.0056 | 4.4 | 0.0066 | 0.18 | 0.0000018 |
| 2027 | 1218 | 12 | 22 | 1.9 | 276 | 0.32 | 512 | 0.0000070 | 0.0056 | 4.4 | 0.0066 | 0.18 | 0.0000018 |
| 2028 | 1182 | 0 | 0 | 0 | 276 | 0.32 | 512 | 0.0000070 | 0.0056 | 4.4 | 0.0066 | 0.18 | 0.0000018 |
| 2029-2069 | 795 | 0 | 0 | 0 | 1 | 0.34 | 575 | 0.0000073 | 0.0055 | 3.8 | 0.0068 | 0.18 | 0.0000018 |

| Year | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | Li | Mg | Mn | Mo | Na |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| 2020 | 185 | 0.0000200 | 0.00027 | 0.000600 | 0.0023 | 0.010 | 0.000010 | 5.3 | 0.0012 | 36 | 2.2 | 0.0015 | 44 |
| 2021 | 280 | 0.0000054 | 0.00027 | 0.000058 | 0.013 | 0.0031 | 0.0000026 | 5.3 | 0.0012 | 27 | 0.437 | 0.019 | 44 |
| 2022 | 196 | 0.000050 | 0.00026 | 0.000067 | 0.0023 | 0.0030 | 0.0000026 | 5.5 | 0.0014 | 15 | 0.052 | 0.018 | 35 |
| 2023 | 202 | 0.000023 | 0.00021 | 0.000066 | 0.0080 | 0.0030 | 0.0000026 | 5.3 | 0.0014 | 14 | 0.087 | 0.021 | 38 |
| 2024 | 247 | 0.000055 | 0.00027 | 0.000062 | 0.0081 | 0.0030 | 0.0000026 | 5.5 | 0.0014 | 23 | 0.285 | 0.020 | 40 |
| 2025 | 284 | 0.000084 | 0.00033 | 0.000059 | 0.0082 | 0.0029 | 0.0000026 | 5.7 | 0.0014 | 32 | 0.458 | 0.019 | 41 |
| 2026 | 309 | 0.00010 | 0.00036 | 0.000057 | 0.0082 | 0.0028 | 0.0000026 | 5.7 | 0.0014 | 37 | 0.574 | 0.018 | 41 |
| 2027 | 309 | 0.00010 | 0.00036 | 0.000057 | 0.0082 | 0.0028 | 0.0000026 | 5.7 | 0.0014 | 37 | 0.574 | 0.018 | 41 |
| 2028 | 309 | 0.00010 | 0.00036 | 0.000057 | 0.0082 | 0.0028 | 0.0000026 | 5.7 | 0.0014 | 37 | 0.574 | 0.018 | 41 |
| 2029-2069 | 171 | 0.00011 | 0.00039 | 0.000056 | 0.0082 | 0.0028 | 0.0000026 | 5.9 | 0.0015 | 42 | 0.652 | 0.018 | 0.11 |

| Year | Ni | P | Pb | Sb | Se | Sr | Tl | U | V | Zn | $^{226}$Ra |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| 2020 | 0.026 | 0.015 | 0.00017 | 0.0067 | 0.00075 | 0.039 | 0.00020 | 0.00054 | 0.0028 | 0.0035 | 0 |
| 2021 | 0.30 | 0.0018 | 0.000018 | 0.0067 | 0.0044 | 0.039 | 0.000011 | 0.00054 | 0.0028 | 0.00057 | 0 |
| 2022 | 0.23 | 0.0026 | 0.000024 | 0.0053 | 0.0028 | 0.044 | 0.000011 | 0.00063 | 0.0032 | 0.00057 | 0 |
| 2023 | 0.24 | 0.0024 | 0.000022 | 0.0057 | 0.0042 | 0.040 | 0.000011 | 0.00059 | 0.0033 | 0.00051 | 0 |
| 2024 | 0.26 | 0.0022 | 0.000022 | 0.0053 | 0.0041 | 0.043 | 0.000011 | 0.00063 | 0.0029 | 0.00058 | 0 |
| 2025 | 0.27 | 0.0021 | 0.000021 | 0.0048 | 0.0041 | 0.045 | 0.000010 | 0.00067 | 0.0027 | 0.00064 | 0 |
| 2026 | 0.28 | 0.0020 | 0.000021 | 0.0045 | 0.0040 | 0.046 | 0.000010 | 0.00069 | 0.0025 | 0.00068 | 0 |
| 2027 | 0.28 | 0.0020 | 0.000021 | 0.0045 | 0.0040 | 0.046 | 0.000010 | 0.00069 | 0.0025 | 0.00068 | 0 |
| 2028 | 0.28 | 0.0020 | 0.000021 | 0.0045 | 0.0040 | 0.046 | 0.000010 | 0.00069 | 0.0025 | 0.00068 | 0 |
| 2029-2069 | 0.28 | 0.0017 | 0.000021 | 0.0039 | 0.0042 | 0.048 | 0.0000097 | 0.00073 | 0.0024 | 0.00070 | 0 |

**Appendix A-3: IVR Pushback wall runoff source term results**

| Year | TDS | $NH_3$-N | $NO_3$-N | $NO_2$-N | Cl | F | $SO_4$ | Ag | Al | As | B | Ba | Be |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| 2020 | 1733 | 12 | 22 | 1.9 | 279 | 0.44 | 883 | 0.000009 | 0.0053 | 0.93 | 0.0078 | 0.19 | 0.0000017 |
| 2021 | 1689 | 12 | 22 | 1.9 | 276 | 0.44 | 854 | 0.0000087 | 0.0095 | 0.90 | 0.0079 | 0.19 | 0.0000024 |
| 2022 | 1689 | 12 | 22 | 1.9 | 276 | 0.44 | 854 | 0.0000087 | 0.0095 | 0.90 | 0.0079 | 0.19 | 0.0000024 |
| 2023 | 1689 | 12 | 22 | 1.9 | 276 | 0.44 | 854 | 0.0000087 | 0.0095 | 0.90 | 0.0079 | 0.19 | 0.0000024 |
| 2024 | 1689 | 12 | 22 | 1.9 | 276 | 0.44 | 854 | 0.0000087 | 0.0095 | 0.90 | 0.0079 | 0.19 | 0.0000024 |
| 2025 | 1689 | 12 | 22 | 1.9 | 276 | 0.44 | 854 | 0.0000087 | 0.0095 | 0.90 | 0.0079 | 0.19 | 0.0000024 |
| 2026 | 1689 | 12 | 22 | 1.9 | 276 | 0.44 | 854 | 0.0000087 | 0.0095 | 0.90 | 0.0079 | 0.19 | 0.0000024 |
| 2027 | 1689 | 12 | 22 | 1.9 | 276 | 0.44 | 854 | 0.0000087 | 0.0095 | 0.90 | 0.0079 | 0.19 | 0.0000024 |
| 2028 | 1178 | 0 | 0 | 0 | 1 | 0.43 | 854 | 0.0000083 | 0.0051 | 0.90 | 0.0076 | 0.19 | 0.0000017 |
| 2029-2069 | 795 | 0 | 0 | 0 | 1 | 0.34 | 575 | 0.0000073 | 0.0055 | 3.8 | 0.0068 | 0.18 | 0.0000018 |

| Year | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | Li | Mg | Mn | Mo | Na |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| 2020 | 421 | 0.00016 | 0.00048 | 0.000053 | 0.0085 | 0.0025 | 0.0000026 | 7.1 | 0.0017 | 64 | 1 | 0.02 | 42 |
| 2021 | 411 | 0.00016 | 0.00049 | 0.000055 | 0.008 | 0.0032 | 0.0000035 | 7.0 | 0.0017 | 62 | 0.94 | 0.020 | 41 |
| 2022 | 411 | 0.00016 | 0.00049 | 0.000055 | 0.0084 | 0.0032 | 0.0000035 | 7.0 | 0.0017 | 62 | 0.94 | 0.020 | 41 |
| 2023 | 411 | 0.00016 | 0.00049 | 0.000055 | 0.0084 | 0.0032 | 0.0000035 | 7.0 | 0.0017 | 62 | 0.94 | 0.020 | 41 |
| 2024 | 411 | 0.00016 | 0.00049 | 0.000055 | 0.0084 | 0.0032 | 0.0000035 | 7.0 | 0.0017 | 62 | 0.94 | 0.020 | 41 |
| 2025 | 411 | 0.00016 | 0.00049 | 0.000055 | 0.0084 | 0.0032 | 0.0000035 | 7.0 | 0.0017 | 62 | 0.94 | 0.020 | 41 |
| 2026 | 411 | 0.00016 | 0.00049 | 0.000055 | 0.0084 | 0.0032 | 0.0000035 | 7.0 | 0.0017 | 62 | 0.94 | 0.020 | 41 |
| 2027 | 411 | 0.00016 | 0.00049 | 0.000055 | 0.0084 | 0.0032 | 0.0000035 | 7.0 | 0.0017 | 62 | 0.94 | 0.020 | 41 |
| 2028 | 253 | 0.00016 | 0.00047 | 0.000052 | 0.0082 | 0.0024 | 0.0000025 | 6.9 | 0.0016 | 62 | 0.94 | 0.020 | 0.11 |
| 2029-2069 | 171 | 0.00011 | 0.00039 | 0.000056 | 0.0082 | 0.0028 | 0.0000026 | 5.9 | 0.0015 | 42 | 0.65 | 0.018 | 0.11 |

| Year | Ni | P | Pb | Sb | Se | Sr | Tl | U | V | Zn | $^{226}$Ra |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| 2020 | 0.28 | 0.0024 | 0.000025 | 0.00087 | 0.0053 | 0.061 | 0.0000082 | 0.00092 | 0.002 | 0.00080 | |
| 2021 | 0.27 | 0.0024 | 0.000027 | 0.00089 | 0.0051 | 0.060 | 0.0000086 | 0.00096 | 0.0020 | 0.00098 | 0 |
| 2022 | 0.27 | 0.0024 | 0.000027 | 0.00089 | 0.0051 | 0.060 | 0.0000086 | 0.00096 | 0.0020 | 0.00098 | 0 |
| 2023 | 0.27 | 0.0024 | 0.000027 | 0.00089 | 0.0051 | 0.060 | 0.0000086 | 0.00096 | 0.0020 | 0.00098 | 0 |
| 2024 | 0.27 | 0.0024 | 0.000027 | 0.00089 | 0.0051 | 0.060 | 0.0000086 | 0.00096 | 0.0020 | 0.00098 | 0 |
| 2025 | 0.27 | 0.0024 | 0.000027 | 0.00089 | 0.0051 | 0.060 | 0.0000086 | 0.00096 | 0.0020 | 0.00098 | 0 |
| 2026 | 0.27 | 0.0024 | 0.000027 | 0.00089 | 0.0051 | 0.060 | 0.0000086 | 0.00096 | 0.0020 | 0.00098 | 0 |
| 2027 | 0.27 | 0.0024 | 0.000027 | 0.00089 | 0.0051 | 0.060 | 0.0000086 | 0.00096 | 0.0020 | 0.00098 | 0 |
| 2028 | 0.27 | 0.0024 | 0.000024 | 0.00084 | 0.0051 | 0.059 | 0.0000079 | 0.00089 | 0.0020 | 0.00077 | 0 |
| 2029-2069 | 0.28 | 0.0017 | 0.000021 | 0.0039 | 0.0042 | 0.048 | 0.0000097 | 0.00073 | 0.0024 | 0.00070 | 0 |

**Appendix A-4: Flooded Pits diffusive flux source term results**

| Years Flooded | Diffusive Flux (mg As/m$^2$/year) | | |
|---|---|---|---|
| | **Whale Tail** | **IVR** | **North Basin Complex** |
| 1 | 18 | 25 | 20 |
| 2 | 14 | 21 | 16 |
| 3 | 11 | 17 | 13 |
| 4 | 8.0 | 14 | 10 |
| 5 | 6.2 | 12 | 8.0 |
| 6 | 4.8 | 10 | 6.3 |
| 7 | 3.7 | 7.8 | 5.0 |
| 8 | 2.8 | 6.4 | 4.0 |
| 9 | 2.1 | 5.3 | 3.2 |
| 10 | 1.6 | 4.4 | 2.5 |
| 11 | 1.3 | 3.6 | 2.0 |
| 12 | 1.0 | 3.0 | 1.6 |
| 13 | 0.74 | 2.4 | 1.3 |
| 14 | 0.57 | 2.0 | 1.0 |
| 15 | 0.43 | 1.6 | 0.83 |
| 16 | 0.33 | 1.4 | 0.66 |
| 17 | 0.25 | 1.1 | 0.53 |
| 18 | 0.19 | 0.91 | 0.43 |
| 19 | 0.15 | 0.75 | 0.34 |
| 20 | 0.11 | 0.62 | 0.28 |

**Appendix A-5: Whale Tail waste rock storage facility (WRSF) combined interflow and runoff source term results**

| Year | TDS | $NH_3$-N | $NO_3$-N | $NO_2$-N | Cl | F | $SO_4$ | Ag | Al | As | B | Ba | Be | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | Li | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Se | Sr | Tl | U | V | Zn | $^{226}$Ra |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| 2020 | 361 | 0.40 | 4.7 | 0.043 | 30 | 0.14 | 210 | 0.000016 | 0.010 | 0.016 | 0.019 | 0.12 | ######## | 79 | 0.000020 | 0.00082 | 0.000074 | 0.0033 | 0.0059 | ######## | 16 | 0.0025 | 15 | 0.63 | 0.0022 | 4.5 | 0.0565 | 0.0024 | 0.000022 | 0.017 | 0.00071 | 0.110 | 0.000015 | 0.0013 | 0.0029 | 0.0014 | 0 |
| 2021 | 219 | 0.40 | 4.7 | 0.043 | 13 | 0.27 | 128 | 0.000017 | 0.035 | 0.013 | 0.018 | 0.08 | ######## | 46 | 0.000016 | 0.00075 | 0.00011 | 0.0049 | 0.010 | 0.000011 | 15 | 0.0030 | 9.3 | 0.23 | 0.0027 | 2.0 | 0.0299 | 0.0038 | 0.000044 | 0.018 | 0.00106 | 0.102 | 0.000020 | 0.0017 | 0.0044 | 0.0024 | 0 |
| 2022 | 121 | 0.40 | 4.7 | 0.043 | 5.8 | 0.13 | 67 | 0.000016 | 0.049 | 0.008 | 0.016 | 0.041 | ######## | 23 | 0.000013 | 0.00067 | 0.00012 | 0.0025 | 0.012 | 0.000014 | 13 | 0.0030 | 4.9 | 0.07 | 0.0016 | 0.86 | 0.0087 | 0.0040 | 0.000053 | 0.015 | 0.00108 | 0.089 | 0.000022 | 0.0018 | 0.0049 | 0.0029 | 0 |
| 2023 | 188 | 0.40 | 4.7 | 0.043 | 19 | 0.20 | 100 | 0.000016 | 0.048 | 0.013 | 0.016 | 0.092 | ######## | 41 | 0.000017 | 0.00074 | 0.00012 | 0.0047 | 0.012 | 0.000014 | 13 | 0.0029 | 7.2 | 0.24 | 0.0028 | 2.9 | 0.0258 | 0.0035 | 0.000050 | 0.016 | 0.00093 | 0.085 | 0.000023 | 0.0017 | 0.0045 | 0.0030 | 0 |
| 2024 | 140 | 0.40 | 4.7 | 0.043 | 19 | 0.19 | 66 | 0.000015 | 0.054 | 0.014 | 0.015 | 0.084 | 0.000011 | 30 | 0.000013 | 0.00067 | 0.00012 | 0.0046 | 0.013 | 0.000015 | 11 | 0.0027 | 4.8 | 0.15 | 0.0028 | 2.9 | 0.0237 | 0.0027 | 0.000047 | 0.016 | 0.00063 | 0.071 | 0.000026 | 0.0015 | 0.0046 | 0.0031 | 0 |
| 2025 | 165 | 0.40 | 4.7 | 0.043 | 19 | 0.21 | 83 | 0.000014 | 0.058 | 0.013 | 0.016 | 0.083 | 0.000011 | 36 | 0.000011 | 0.00067 | 0.00012 | 0.0045 | 0.014 | 0.000016 | 12 | 0.0027 | 6.0 | 0.13 | 0.0031 | 2.9 | 0.0236 | 0.0027 | 0.000048 | 0.014 | 0.00059 | 0.082 | 0.000024 | 0.0016 | 0.0041 | 0.0033 | 0 |
| 2026 | 251 | 0.40 | 4.7 | 0.043 | 20 | 0.25 | 143 | 0.000015 | 0.061 | 0.0067 | 0.019 | 0.082 | 0.000012 | 54 | 0.000015 | 0.00078 | 0.000099 | 0.0041 | 0.014 | 0.000017 | 15 | 0.0029 | 10 | 0.23 | 0.0034 | 3.0 | 0.0239 | 0.0027 | 0.000050 | 0.0079 | 0.00064 | 0.108 | 0.000021 | 0.0019 | 0.0029 | 0.0035 | 0 |
| 2027 | 349 | 0.40 | 4.7 | 0.043 | 20 | 0.29 | 212 | 0.000016 | 0.058 | 0.0039 | 0.023 | 0.077 | 0.000012 | 74 | 0.000020 | 0.00094 | 0.000086 | 0.0039 | 0.014 | 0.000017 | 19 | 0.0030 | 15 | 0.35 | 0.0033 | 3.0 | 0.0277 | 0.0026 | 0.000049 | 0.0053 | 0.00068 | 0.140 | 0.000018 | 0.0020 | 0.0019 | 0.0036 | 0 |
| 2028 | 47 | 0.40 | 4.7 | 0.043 | 3.4 | 0.32 | 23 | 0.000012 | 0.133 | 0.00020 | 0.0091 | 0.055 | 0.000022 | 8.6 | 0.000011 | 0.00052 | 0.00011 | 0.0062 | 0.025 | 0.000032 | 5.3 | 0.0025 | 1.6 | 0.037 | 0.0051 | 0.50 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0022 | 0.0020 | 0.0065 | 0 |
| 2029 | 42 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.133 | 0.00020 | 0.0091 | 0.055 | 0.000022 | 8.6 | 0.000011 | 0.00052 | 0.00011 | 0.0062 | 0.025 | 0.000032 | 5.3 | 0.0025 | 1.6 | 0.037 | 0.0051 | 0.50 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0022 | 0.0020 | 0.0065 | 0 |
| 2030 | 42 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.133 | 0.00020 | 0.0091 | 0.055 | 0.000022 | 8.6 | 0.000011 | 0.00052 | 0.00011 | 0.0062 | 0.025 | 0.000032 | 5.3 | 0.0025 | 1.6 | 0.037 | 0.0051 | 0.51 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0022 | 0.0020 | 0.0065 | 0 |
| 2031 | 42 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.134 | 0.00020 | 0.0091 | 0.055 | 0.000022 | 8.6 | 0.000011 | 0.00052 | 0.00011 | 0.0063 | 0.025 | 0.000032 | 5.3 | 0.0025 | 1.6 | 0.037 | 0.0051 | 0.51 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0022 | 0.0020 | 0.0065 | 0 |
| 2032 | 42 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.134 | 0.00020 | 0.0092 | 0.055 | 0.000023 | 8.6 | 0.000011 | 0.00052 | 0.00011 | 0.0063 | 0.025 | 0.000032 | 5.3 | 0.0025 | 1.6 | 0.037 | 0.0052 | 0.51 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0023 | 0.0020 | 0.0065 | 0 |
| 2033 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.134 | 0.00020 | 0.0092 | 0.055 | 0.000023 | 8.6 | 0.000011 | 0.00052 | 0.00011 | 0.0063 | 0.025 | 0.000032 | 5.4 | 0.0025 | 1.6 | 0.037 | 0.0052 | 0.51 | 0.0045 | 0.0025 | 0.000085 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2034 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.134 | 0.00020 | 0.0092 | 0.055 | 0.000023 | 8.7 | 0.000011 | 0.00052 | 0.00011 | 0.0063 | 0.025 | 0.000032 | 5.4 | 0.0025 | 1.6 | 0.037 | 0.0052 | 0.51 | 0.0046 | 0.0025 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2035 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.134 | 0.00020 | 0.0092 | 0.055 | 0.000023 | 8.7 | 0.000011 | 0.00052 | 0.00011 | 0.0063 | 0.025 | 0.000033 | 5.4 | 0.0025 | 1.6 | 0.038 | 0.0052 | 0.51 | 0.0046 | 0.0025 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2036 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.135 | 0.00020 | 0.0092 | 0.055 | 0.000023 | 8.7 | 0.000011 | 0.00052 | 0.00011 | 0.0063 | 0.025 | 0.000033 | 5.4 | 0.0026 | 1.7 | 0.038 | 0.0052 | 0.51 | 0.0046 | 0.0026 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2037 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.135 | 0.00020 | 0.0092 | 0.056 | 0.000023 | 8.7 | 0.000011 | 0.00053 | 0.00011 | 0.0063 | 0.025 | 0.000033 | 5.4 | 0.0026 | 1.7 | 0.038 | 0.0052 | 0.51 | 0.0046 | 0.0026 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2038 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.135 | 0.00020 | 0.0092 | 0.056 | 0.000023 | 8.7 | 0.000011 | 0.00053 | 0.00011 | 0.0063 | 0.025 | 0.000033 | 5.4 | 0.0026 | 1.7 | 0.038 | 0.0052 | 0.51 | 0.0046 | 0.0026 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2039 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.135 | 0.00020 | 0.0093 | 0.056 | 0.000023 | 8.7 | 0.000011 | 0.00053 | 0.00011 | 0.0063 | 0.025 | 0.000033 | 5.4 | 0.0026 | 1.7 | 0.038 | 0.0052 | 0.51 | 0.0046 | 0.0026 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2040 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.136 | 0.00020 | 0.0093 | 0.056 | 0.000023 | 8.7 | 0.000011 | 0.00053 | 0.00011 | 0.0064 | 0.025 | 0.000033 | 5.4 | 0.0026 | 1.7 | 0.038 | 0.0052 | 0.51 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2041 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.136 | 0.00020 | 0.0093 | 0.056 | 0.000023 | 8.8 | 0.000011 | 0.00053 | 0.00011 | 0.0064 | 0.025 | 0.000033 | 5.4 | 0.0026 | 1.7 | 0.038 | 0.0052 | 0.51 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2042 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.136 | 0.00020 | 0.0093 | 0.056 | 0.000023 | 8.8 | 0.000011 | 0.00053 | 0.00011 | 0.0064 | 0.025 | 0.000033 | 5.4 | 0.0026 | 1.7 | 0.038 | 0.0052 | 0.52 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2043 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.136 | 0.00020 | 0.0093 | 0.056 | 0.000023 | 8.8 | 0.000011 | 0.00053 | 0.00011 | 0.0064 | 0.025 | 0.000033 | 5.4 | 0.0026 | 1.7 | 0.038 | 0.0052 | 0.52 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2044 | 43 | 0 | 0 | 0 | 3.4 | 0.32 | 23 | 0.000012 | 0.136 | 0.00020 | 0.0093 | 0.056 | 0.000023 | 8.8 | 0.000011 | 0.00053 | 0.00011 | 0.0064 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.038 | 0.0053 | 0.52 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2045 | 43 | 0 | 0 | 0 | 3.5 | 0.32 | 23 | 0.000012 | 0.137 | 0.00020 | 0.0093 | 0.056 | 0.000023 | 8.8 | 0.000012 | 0.00053 | 0.00012 | 0.0064 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.038 | 0.0053 | 0.52 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2046 | 43 | 0 | 0 | 0 | 3.5 | 0.32 | 23 | 0.000012 | 0.137 | 0.00020 | 0.0094 | 0.056 | 0.000023 | 8.8 | 0.000012 | 0.00053 | 0.00012 | 0.0064 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.038 | 0.0053 | 0.52 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2047 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.137 | 0.00020 | 0.0094 | 0.056 | 0.000023 | 8.8 | 0.000012 | 0.00053 | 0.00012 | 0.0064 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.038 | 0.0053 | 0.52 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2048 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.137 | 0.00020 | 0.0094 | 0.057 | 0.000023 | 8.9 | 0.000012 | 0.00053 | 0.00012 | 0.0064 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.038 | 0.0053 | 0.52 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2049 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.138 | 0.00020 | 0.0094 | 0.057 | 0.000023 | 8.9 | 0.000012 | 0.00054 | 0.00012 | 0.0064 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.038 | 0.0053 | 0.52 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2050 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.138 | 0.00020 | 0.0094 | 0.057 | 0.000023 | 8.9 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.038 | 0.0053 | 0.52 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2051 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.138 | 0.00021 | 0.0094 | 0.057 | 0.000023 | 8.9 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.039 | 0.0053 | 0.52 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2052 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.138 | 0.00021 | 0.0095 | 0.057 | 0.000023 | 8.9 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.025 | 0.000033 | 5.5 | 0.0026 | 1.7 | 0.039 | 0.0053 | 0.52 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2053 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.138 | 0.00021 | 0.0095 | 0.057 | 0.000023 | 8.9 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.026 | 0.000034 | 5.5 | 0.0026 | 1.7 | 0.039 | 0.0053 | 0.52 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2054 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.139 | 0.00021 | 0.0095 | 0.057 | 0.000023 | 8.9 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.026 | 0.000034 | 5.5 | 0.0026 | 1.7 | 0.039 | 0.0053 | 0.53 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2055 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 23 | 0.000012 | 0.139 | 0.00021 | 0.0095 | 0.057 | 0.000023 | 9.0 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.026 | 0.000034 | 5.6 | 0.0026 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.029 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2056 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 24 | 0.000012 | 0.139 | 0.00021 | 0.0095 | 0.057 | 0.000023 | 9.0 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.026 | 0.000034 | 5.6 | 0.0026 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.029 | 0.000022 | 0.0023 | 0.0021 | 0.0068 | 0 |
| 2057 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 24 | 0.000012 | 0.139 | 0.00021 | 0.0095 | 0.057 | 0.000023 | 9.0 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.026 | 0.000034 | 5.6 | 0.0026 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.029 | 0.000022 | 0.0023 | 0.0021 | 0.0068 | 0 |
| 2058 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 24 | 0.000012 | 0.140 | 0.00021 | 0.0095 | 0.057 | 0.000024 | 9.0 | 0.000012 | 0.00054 | 0.00012 | 0.0065 | 0.026 | 0.000034 | 5.6 | 0.0026 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0068 | 0 |
| 2059 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 24 | 0.000013 | 0.140 | 0.00021 | 0.0096 | 0.058 | 0.000024 | 9.0 | 0.000012 | 0.00054 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.6 | 0.0026 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0068 | 0 |
| 2060 | 44 | 0 | 0 | 0 | 3.5 | 0.33 | 24 | 0.000013 | 0.140 | 0.00021 | 0.0096 | 0.058 | 0.000024 | 9.0 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.6 | 0.0027 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0048 | 0.0027 | 0.000088 | 0.0015 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2061 | 45 | 0 | 0 | 0 | 3.5 | 0.33 | 24 | 0.000013 | 0.140 | 0.00021 | 0.0096 | 0.058 | 0.000024 | 9.0 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.6 | 0.0027 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0048 | 0.0027 | 0.000089 | 0.0015 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2062 | 45 | 0 | 0 | 0 | 3.5 | 0.33 | 24 | 0.000013 | 0.140 | 0.00021 | 0.0096 | 0.058 | 0.000024 | 9.1 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.6 | 0.0027 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2063 | 45 | 0 | 0 | 0 | 3.6 | 0.33 | 24 | 0.000013 | 0.141 | 0.00021 | 0.0096 | 0.058 | 0.000024 | 9.1 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.6 | 0.0027 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2064 | 45 | 0 | 0 | 0 | 3.6 | 0.33 | 24 | 0.000013 | 0.141 | 0.00021 | 0.0096 | 0.058 | 0.000024 | 9.1 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.6 | 0.0027 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2065 | 45 | 0 | 0 | 0 | 3.6 | 0.33 | 24 | 0.000013 | 0.141 | 0.00021 | 0.0097 | 0.058 | 0.000024 | 9.1 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.6 | 0.0027 | 1.7 | 0.039 | 0.0054 | 0.53 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2066 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.141 | 0.00021 | 0.0097 | 0.058 | 0.000024 | 9.1 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.7 | 0.0027 | 1.7 | 0.039 | 0.0054 | 0.54 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2067 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.142 | 0.00021 | 0.0097 | 0.058 | 0.000024 | 9.1 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.7 | 0.0027 | 1.7 | 0.040 | 0.0055 | 0.54 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2068 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.142 | 0.00021 | 0.0097 | 0.058 | 0.000024 | 9.1 | 0.000012 | 0.00055 | 0.00012 | 0.0066 | 0.026 | 0.000034 | 5.7 | 0.0027 | 1.7 | 0.040 | 0.0055 | 0.54 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2069 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.142 | 0.00021 | 0.0097 | 0.059 | 0.000024 | 9.2 | 0.000012 | 0.00055 | 0.00012 | 0.0067 | 0.026 | 0.000034 | 5.7 | 0.0027 | 1.7 | 0.040 | 0.0055 | 0.54 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2070 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.142 | 0.00021 | 0.0097 | 0.059 | 0.000024 | 9.2 | 0.000012 | 0.00055 | 0.00012 | 0.0067 | 0.026 | 0.000034 | 5.7 | 0.0027 | 1.7 | 0.040 | 0.0055 | 0.54 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2071 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.142 | 0.00021 | 0.0097 | 0.059 | 0.000024 | 9.2 | 0.000012 | 0.00055 | 0.00012 | 0.0067 | 0.026 | 0.000034 | 5.7 | 0.0027 | 1.7 | 0.040 | 0.0055 | 0.54 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2072 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.143 | 0.00021 | 0.0098 | 0.059 | 0.000024 | 9.2 | 0.000012 | 0.00056 | 0.00012 | 0.0067 | 0.026 | 0.000035 | 5.7 | 0.0027 | 1.7 | 0.040 | 0.0055 | 0.54 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2073 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.143 | 0.00021 | 0.0098 | 0.059 | 0.000024 | 9.2 | 0.000012 | 0.00056 | 0.00012 | 0.0067 | 0.026 | 0.000035 | 5.7 | 0.0027 | 1.8 | 0.040 | 0.0055 | 0.54 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2074 | 45 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.143 | 0.00021 | 0.0098 | 0.059 | 0.000024 | 9.2 | 0.000012 | 0.00056 | 0.00012 | 0.0067 | 0.026 | 0.000035 | 5.7 | 0.0027 | 1.8 | 0.040 | 0.0055 | 0.54 | 0.0049 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2075 | 46 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.143 | 0.00021 | 0.0098 | 0.059 | 0.000024 | 9.2 | 0.000012 | 0.00056 | 0.00012 | 0.0067 | 0.026 | 0.000035 | 5.7 | 0.0027 | 1.8 | 0.040 | 0.0055 | 0.54 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00038 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2076 | 46 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.144 | 0.00021 | 0.0098 | 0.059 | 0.000024 | 9.3 | 0.000012 | 0.00056 | 0.00012 | 0.0067 | 0.026 | 0.000035 | 5.7 | 0.0027 | 1.8 | 0.040 | 0.0055 | 0.54 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2077 | 46 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.144 | 0.00021 | 0.0098 | 0.059 | 0.000024 | 9.3 | 0.000012 | 0.00056 | 0.00012 | 0.0067 | 0.026 | 0.000035 | 5.8 | 0.0027 | 1.8 | 0.040 | 0.0055 | 0.54 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2078 | 46 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.144 | 0.00021 | 0.0099 | 0.059 | 0.000024 | 9.3 | 0.000012 | 0.00056 | 0.00012 | 0.0068 | 0.027 | 0.000035 | 5.8 | 0.0027 | 1.8 | 0.040 | 0.0055 | 0.55 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2079 | 46 | 0 | 0 | 0 | 3.6 | 0.34 | 24 | 0.000013 | 0.144 | 0.00021 | 0.0099 | 0.059 | 0.000024 | 9.3 | 0.000012 | 0.00056 | 0.00012 | 0.0068 | 0.027 | 0.000035 | 5.8 | 0.0027 | 1.8 | 0.040 | 0.0056 | 0.55 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2080 | 46 | 0 | 0 | 0 | 3.7 | 0.34 | 24 | 0.000013 | 0.144 | 0.00021 | 0.0099 | 0.060 | 0.000024 | 9.3 | 0.000012 | 0.00056 | 0.00012 | 0.0068 | 0.027 | 0.000035 | 5.8 | 0.0027 | 1.8 | 0.040 | 0.0056 | 0.55 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2081 | 46 | 0 | 0 | 0 | 3.7 | 0.34 | 24 | 0.000013 | 0.145 | 0.00022 | 0.0099 | 0.060 | 0.000024 | 9.3 | 0.000012 | 0.00056 | 0.00012 | 0.0068 | 0.027 | 0.000035 | 5.8 | 0.0027 | 1.8 | 0.040 | 0.0056 | 0.55 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2082 | 46 | 0 | 0 | 0 | 3.7 | 0.34 | 25 | 0.000013 | 0.145 | 0.00022 | 0.0099 | 0.060 | 0.000024 | 9.3 | 0.000012 | 0.00056 | 0.00012 | 0.0068 | 0.027 | 0.000035 | 5.8 | 0.0027 | 1.8 | 0.040 | 0.0056 | 0.55 | 0.0049 | 0.0027 | 0.000092 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2083 | 46 | 0 | 0 | 0 | 3.7 | 0.34 | 25 | 0.000013 | 0.145 | 0.00022 | 0.0099 | 0.060 | 0.000024 | 9.4 | 0.000012 | 0.00057 | 0.00012 | 0.0068 | 0.027 | 0.000035 | 5.8 | 0.0028 | 1.8 | 0.041 | 0.0056 | 0.55 | 0.0049 | 0.0028 | 0.000092 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2084 | 46 | 0 | 0 | 0 | 3.7 | 0.34 | 25 | 0.000013 | 0.145 | 0.00022 | 0.0099 | 0.060 | 0.000024 | 9.4 | 0.000012 | 0.00057 | 0.00012 | 0.0068 | 0.027 | 0.000035 | 5.8 | 0.0028 | 1.8 | 0.041 | 0.0056 | 0.55 | 0.0049 | 0.0028 | 0.000092 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2085 | 46 | 0 | 0 | 0 | 3.7 | 0.35 | 25 | 0.000013 | 0.146 | 0.00022 | 0.0100 | 0.060 | 0.000025 | 9.4 | 0.000012 | 0.00057 | 

**Appendix A-5: Whale Tail waste rock storage facility (WRSF) combined interflow and runoff source term results**

| Year | TDS | $NH_3$-N | $NO_3$-N | $NO_2$-N | Cl | F | $SO_4$ | Ag | Al | As | B | Ba | Be | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | Li | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Se | Sr | Tl | U | V | Zn | $^{226}$Ra |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| 2095 | 47 | 0 | 0 | 0 | 3.7 | 0.35 | 25 | 0.000013 | 0.148 | 0.00022 | 0.0101 | 0.061 | 0.000025 | 9.5 | 0.000012 | 0.00058 | 0.00012 | 0.0069 | 0.027 | 0.000036 | 5.9 | 0.0028 | 1.8 | 0.041 | 0.0057 | 0.56 | 0.0050 | 0.0028 | 0.000093 | 0.0016 | 0.00040 | 0.030 | 0.000023 | 0.0025 | 0.0022 | 0.0072 | 0 |
| 2096 | 47 | 0 | 0 | 0 | 3.7 | 0.35 | 25 | 0.000013 | 0.148 | 0.00022 | 0.0101 | 0.061 | 0.000025 | 9.6 | 0.000012 | 0.00058 | 0.00012 | 0.0069 | 0.027 | 0.000036 | 5.9 | 0.0028 | 1.8 | 0.041 | 0.0057 | 0.56 | 0.0050 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.030 | 0.000023 | 0.0025 | 0.0022 | 0.0072 | 0 |
| 2097 | 47 | 0 | 0 | 0 | 3.7 | 0.35 | 25 | 0.000013 | 0.148 | 0.00022 | 0.0101 | 0.061 | 0.000025 | 9.6 | 0.000012 | 0.00058 | 0.00012 | 0.0070 | 0.027 | 0.000036 | 5.9 | 0.0028 | 1.8 | 0.041 | 0.0057 | 0.56 | 0.0050 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.030 | 0.000023 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2098 | 47 | 0 | 0 | 0 | 3.8 | 0.35 | 25 | 0.000013 | 0.149 | 0.00022 | 0.0102 | 0.061 | 0.000025 | 9.6 | 0.000013 | 0.00058 | 0.00013 | 0.0070 | 0.027 | 0.000036 | 5.9 | 0.0028 | 1.8 | 0.041 | 0.0057 | 0.56 | 0.0050 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.030 | 0.000023 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2099 | 47 | 0 | 0 | 0 | 3.8 | 0.35 | 25 | 0.000013 | 0.149 | 0.00022 | 0.0102 | 0.061 | 0.000025 | 9.6 | 0.000013 | 0.00058 | 0.00013 | 0.0070 | 0.027 | 0.000036 | 5.9 | 0.0028 | 1.8 | 0.042 | 0.0057 | 0.56 | 0.0050 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.031 | 0.000023 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2100 | 47 | 0 | 0 | 0 | 3.8 | 0.35 | 25 | 0.000013 | 0.149 | 0.00022 | 0.0102 | 0.061 | 0.000025 | 9.6 | 0.000013 | 0.00058 | 0.00013 | 0.0070 | 0.027 | 0.000036 | 6.0 | 0.0028 | 1.8 | 0.042 | 0.0057 | 0.56 | 0.0051 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2101 | 47 | 0 | 0 | 0 | 3.8 | 0.35 | 25 | 0.000013 | 0.149 | 0.00022 | 0.0102 | 0.061 | 0.000025 | 9.6 | 0.000013 | 0.00058 | 0.00013 | 0.0070 | 0.027 | 0.000036 | 6.0 | 0.0028 | 1.8 | 0.042 | 0.0057 | 0.57 | 0.0051 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2102 | 47 | 0 | 0 | 0 | 3.8 | 0.35 | 25 | 0.000013 | 0.149 | 0.00022 | 0.0102 | 0.062 | 0.000025 | 9.6 | 0.000013 | 0.00058 | 0.00013 | 0.0070 | 0.028 | 0.000036 | 6.0 | 0.0028 | 1.8 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0028 | 0.000094 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2103 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 25 | 0.000013 | 0.150 | 0.00022 | 0.0102 | 0.062 | 0.000025 | 9.7 | 0.000013 | 0.00058 | 0.00013 | 0.0070 | 0.028 | 0.000036 | 6.0 | 0.0028 | 1.8 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0028 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2104 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 25 | 0.000013 | 0.150 | 0.00022 | 0.0103 | 0.062 | 0.000025 | 9.7 | 0.000013 | 0.00058 | 0.00013 | 0.0070 | 0.028 | 0.000036 | 6.0 | 0.0028 | 1.8 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0028 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2105 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 25 | 0.000013 | 0.150 | 0.00022 | 0.0103 | 0.062 | 0.000025 | 9.7 | 0.000013 | 0.00058 | 0.00013 | 0.0070 | 0.028 | 0.000036 | 6.0 | 0.0028 | 1.8 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0028 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2106 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 25 | 0.000013 | 0.150 | 0.00022 | 0.0103 | 0.062 | 0.000025 | 9.7 | 0.000013 | 0.00059 | 0.00013 | 0.0070 | 0.028 | 0.000036 | 6.0 | 0.0028 | 1.8 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0028 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2107 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 25 | 0.000013 | 0.151 | 0.00022 | 0.0103 | 0.062 | 0.000025 | 9.7 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000036 | 6.0 | 0.0029 | 1.8 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0029 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2108 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 26 | 0.000013 | 0.151 | 0.00022 | 0.0103 | 0.062 | 0.000025 | 9.7 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000036 | 6.0 | 0.0029 | 1.8 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0029 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2109 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 26 | 0.000014 | 0.151 | 0.00022 | 0.0103 | 0.062 | 0.000025 | 9.7 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000037 | 6.0 | 0.0029 | 1.9 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0029 | 0.000095 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2110 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 26 | 0.000014 | 0.151 | 0.00022 | 0.0103 | 0.062 | 0.000025 | 9.8 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000037 | 6.0 | 0.0029 | 1.9 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0029 | 0.000095 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2111 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 26 | 0.000014 | 0.151 | 0.00023 | 0.0104 | 0.062 | 0.000026 | 9.8 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0074 | 0 |
| 2112 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 26 | 0.000014 | 0.152 | 0.00023 | 0.0104 | 0.062 | 0.000026 | 9.8 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.042 | 0.0058 | 0.57 | 0.0051 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0074 | 0 |
| 2113 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 26 | 0.000014 | 0.152 | 0.00023 | 0.0104 | 0.063 | 0.000026 | 9.8 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.042 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0074 | 0 |
| 2114 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 26 | 0.000014 | 0.152 | 0.00023 | 0.0104 | 0.063 | 0.000026 | 9.8 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.042 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0074 | 0 |
| 2115 | 48 | 0 | 0 | 0 | 3.8 | 0.36 | 26 | 0.000014 | 0.152 | 0.00023 | 0.0104 | 0.063 | 0.000026 | 9.8 | 0.000013 | 0.00059 | 0.00013 | 0.0071 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0075 | 0 |
| 2116 | 48 | 0 | 0 | 0 | 3.9 | 0.36 | 26 | 0.000014 | 0.153 | 0.00023 | 0.0104 | 0.063 | 0.000026 | 9.8 | 0.000013 | 0.00059 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0075 | 0 |
| 2117 | 49 | 0 | 0 | 0 | 3.9 | 0.36 | 26 | 0.000014 | 0.153 | 0.00023 | 0.0105 | 0.063 | 0.000026 | 9.9 | 0.000013 | 0.00059 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2118 | 49 | 0 | 0 | 0 | 3.9 | 0.36 | 26 | 0.000014 | 0.153 | 0.00023 | 0.0105 | 0.063 | 0.000026 | 9.9 | 0.000013 | 0.00060 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2119 | 49 | 0 | 0 | 0 | 3.9 | 0.36 | 26 | 0.000014 | 0.153 | 0.00023 | 0.0105 | 0.063 | 0.000026 | 9.9 | 0.000013 | 0.00060 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2120 | 49 | 0 | 0 | 0 | 3.9 | 0.36 | 26 | 0.000014 | 0.153 | 0.00023 | 0.0105 | 0.063 | 0.000026 | 9.9 | 0.000013 | 0.00060 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2121 | 49 | 0 | 0 | 0 | 3.9 | 0.36 | 26 | 0.000014 | 0.154 | 0.00023 | 0.0105 | 0.063 | 0.000026 | 9.9 | 0.000013 | 0.00060 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2122 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.154 | 0.00023 | 0.0105 | 0.063 | 0.000026 | 9.9 | 0.000013 | 0.00060 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2123 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.154 | 0.00023 | 0.0105 | 0.063 | 0.000026 | 9.9 | 0.000013 | 0.00060 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2124 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.154 | 0.00023 | 0.0106 | 0.064 | 0.000026 | 10.0 | 0.000013 | 0.00060 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0059 | 0.58 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2125 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.155 | 0.00023 | 0.0106 | 0.064 | 0.000026 | 10.0 | 0.000013 | 0.00060 | 0.00013 | 0.0072 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0060 | 0.59 | 0.0052 | 0.0029 | 0.000098 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2126 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.155 | 0.00023 | 0.0106 | 0.064 | 0.000026 | 10.0 | 0.000013 | 0.00060 | 0.00013 | 0.0073 | 0.029 | 0.000037 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0060 | 0.59 | 0.0053 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2127 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.155 | 0.00023 | 0.0106 | 0.064 | 0.000026 | 10.0 | 0.000013 | 0.00060 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0060 | 0.59 | 0.0053 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2128 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.155 | 0.00023 | 0.0106 | 0.064 | 0.000026 | 10.0 | 0.000013 | 0.00060 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0060 | 0.59 | 0.0053 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2129 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.155 | 0.00023 | 0.0106 | 0.064 | 0.000026 | 10.0 | 0.000013 | 0.00061 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0060 | 0.59 | 0.0053 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2130 | 49 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.156 | 0.00023 | 0.0107 | 0.064 | 0.000026 | 10.0 | 0.000013 | 0.00061 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.2 | 0.0029 | 1.9 | 0.043 | 0.0060 | 0.59 | 0.0053 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2131 | 50 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.156 | 0.00023 | 0.0107 | 0.064 | 0.000026 | 10.1 | 0.000013 | 0.00061 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.2 | 0.0030 | 1.9 | 0.044 | 0.0060 | 0.59 | 0.0053 | 0.0030 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2132 | 50 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.156 | 0.00023 | 0.0107 | 0.064 | 0.000026 | 10.1 | 0.000013 | 0.00061 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.2 | 0.0030 | 1.9 | 0.044 | 0.0060 | 0.59 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2133 | 50 | 0 | 0 | 0 | 3.9 | 0.37 | 26 | 0.000014 | 0.156 | 0.00023 | 0.0107 | 0.064 | 0.000026 | 10.1 | 0.000013 | 0.00061 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0060 | 0.59 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2134 | 50 | 0 | 0 | 0 | 4.0 | 0.37 | 26 | 0.000014 | 0.157 | 0.00023 | 0.0107 | 0.065 | 0.000026 | 10.1 | 0.000013 | 0.00061 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0060 | 0.59 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2135 | 50 | 0 | 0 | 0 | 4.0 | 0.37 | 27 | 0.000014 | 0.157 | 0.00023 | 0.0107 | 0.065 | 0.000026 | 10.1 | 0.000013 | 0.00061 | 0.00013 | 0.0073 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0060 | 0.59 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2136 | 50 | 0 | 0 | 0 | 4.0 | 0.37 | 27 | 0.000014 | 0.157 | 0.00023 | 0.0107 | 0.065 | 0.000026 | 10.1 | 0.000013 | 0.00061 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0060 | 0.60 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2137 | 50 | 0 | 0 | 0 | 4.0 | 0.37 | 27 | 0.000014 | 0.157 | 0.00023 | 0.0108 | 0.065 | 0.000026 | 10.1 | 0.000013 | 0.00061 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2138 | 50 | 0 | 0 | 0 | 4.0 | 0.37 | 27 | 0.000014 | 0.157 | 0.00023 | 0.0108 | 0.065 | 0.000027 | 10.2 | 0.000013 | 0.00061 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0027 | 0.0023 | 0.0077 | 0 |
| 2139 | 50 | 0 | 0 | 0 | 4.0 | 0.37 | 27 | 0.000014 | 0.158 | 0.00023 | 0.0108 | 0.065 | 0.000027 | 10.2 | 0.000013 | 0.00061 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000100 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0027 | 0.0023 | 0.0077 | 0 |
| 2140 | 50 | 0 | 0 | 0 | 4.0 | 0.37 | 27 | 0.000014 | 0.158 | 0.00023 | 0.0108 | 0.065 | 0.000027 | 10.2 | 0.000013 | 0.00062 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000100 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0027 | 0.0023 | 0.0077 | 0 |
| 2141 | 50 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.158 | 0.00024 | 0.0108 | 0.065 | 0.000027 | 10.2 | 0.000013 | 0.00062 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000100 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0027 | 0.0023 | 0.0077 | 0 |
| 2142 | 50 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.158 | 0.00024 | 0.0108 | 0.065 | 0.000027 | 10.2 | 0.000013 | 0.00062 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000100 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2143 | 50 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.159 | 0.00024 | 0.0109 | 0.065 | 0.000027 | 10.2 | 0.000013 | 0.00062 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000100 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2144 | 50 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.159 | 0.00024 | 0.0109 | 0.065 | 0.000027 | 10.2 | 0.000013 | 0.00062 | 0.00013 | 0.0074 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000100 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2145 | 51 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.159 | 0.00024 | 0.0109 | 0.066 | 0.000027 | 10.3 | 0.000013 | 0.00062 | 0.00013 | 0.0075 | 0.029 | 0.000039 | 6.4 | 0.0030 | 1.9 | 0.044 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000100 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2146 | 51 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.159 | 0.00024 | 0.0109 | 0.066 | 0.000027 | 10.3 | 0.000013 | 0.00062 | 0.00013 | 0.0075 | 0.029 | 0.000039 | 6.4 | 0.0030 | 2.0 | 0.044 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2147 | 51 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.159 | 0.00024 | 0.0109 | 0.066 | 0.000027 | 10.3 | 0.000013 | 0.00062 | 0.00013 | 0.0075 | 0.029 | 0.000039 | 6.4 | 0.0030 | 2.0 | 0.045 | 0.0061 | 0.60 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0078 | 0 |
| 2148 | 51 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.160 | 0.00024 | 0.0109 | 0.066 | 0.000027 | 10.3 | 0.000013 | 0.00062 | 0.00013 | 0.0075 | 0.029 | 0.000039 | 6.4 | 0.0030 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0078 | 0 |
| 2149 | 51 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.160 | 0.00024 | 0.0109 | 0.066 | 0.000027 | 10.3 | 0.000013 | 0.00062 | 0.00013 | 0.0075 | 0.029 | 0.000039 | 6.4 | 0.0030 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0078 | 0 |
| 2150 | 51 | 0 | 0 | 0 | 4.0 | 0.38 | 27 | 0.000014 | 0.160 | 0.00024 | 0.0110 | 0.066 | 0.000027 | 10.3 | 0.000013 | 0.00062 | 0.00013 | 0.0075 | 0.030 | 0.000039 | 6.4 | 0.0030 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0078 | 0 |
| 2151 | 51 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000014 | 0.160 | 0.00024 | 0.0110 | 0.066 | 0.000027 | 10.3 | 0.000014 | 0.00062 | 0.00014 | 0.0075 | 0.030 | 0.000039 | 6.4 | 0.0030 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2152 | 51 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000014 | 0.161 | 0.00024 | 0.0110 | 0.066 | 0.000027 | 10.4 | 0.000014 | 0.00063 | 0.00014 | 0.0075 | 0.030 | 0.000039 | 6.4 | 0.0030 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0055 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2153 | 51 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000014 | 0.161 | 0.00024 | 0.0110 | 0.066 | 0.000027 | 10.4 | 0.000014 | 0.00063 | 0.00014 | 0.0075 | 0.030 | 0.000039 | 6.4 | 0.0030 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0055 | 0.0030 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2154 | 51 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000014 | 0.161 | 0.00024 | 0.0110 | 0.066 | 0.000027 | 10.4 | 0.000014 | 0.00063 | 0.00014 | 0.0075 | 0.030 | 0.000039 | 6.4 | 0.0031 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2155 | 51 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000014 | 0.161 | 0.00024 | 0.0110 | 0.066 | 0.000027 | 10.4 | 0.000014 | 0.00063 | 0.00014 | 0.0076 | 0.030 | 0.000039 | 6.5 | 0.0031 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2156 | 51 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000014 | 0.161 | 0.00024 | 0.0110 | 0.067 | 0.000027 | 10.4 | 0.000014 | 0.00063 | 0.00014 | 0.0076 | 0.030 | 0.000039 | 6.5 | 0.0031 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2157 | 51 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000014 | 0.162 | 0.00024 | 0.0111 | 0.067 | 0.000027 | 10.4 | 0.000014 | 0.00063 | 0.00014 | 0.0076 | 0.030 | 0.000039 | 6.5 | 0.0031 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000026 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2158 | 51 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000014 | 0.162 | 0.00024 | 0.0111 | 0.067 | 0.000027 | 10.4 | 0.000014 | 0.00063 | 0.00014 | 0.0076 | 0.030 | 0.000039 | 6.5 | 0.0031 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000026 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2159 | 52 | 0 | 0 | 0 | 4.1 | 0.38 | 27 | 0.000015 | 0.162 | 0.00024 | 0.0111 | 0.067 | 0.000027 | 10.5 | 0.000014 | 0.00063 | 0.00014 | 0.0076 | 0.030 | 0.000039 | 6.5 | 0.0031 | 2.0 | 0.045 | 0.0062 | 0.61 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00044 | 0.033 | 0.000026 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2160 | 52 | 0 | 0 | 0 | 4.1 | 0.39 | 27 | 0.000015 | 0.162 | 0.00024 | 0.0111 | 0

**Appendix A-6: IVR waste rock storage facility (WRSF) combined interflow and runoff source term results**

| Year | TDS | $NH_3$-N | $NO_3$-N | $NO_2$-N | Cl | F | $SO_4$ | Ag | Al | As | B | Ba | Be | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | Li | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Se | Sr | Tl | U | V | Zn | $^{226}$Ra |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| 2021 | 95 | 0.40 | 4.7 | 0.043 | 8.6 | 0.10 | 42 | 0.000013 | 0.076 | 0.15 | 0.012 | 0.072 | 0.000014 | 17 | ######### | 0.00051 | 0.00012 | 0.0011 | 0.016 | 0.000019 | 17 | 0.0027 | 3.0 | 0.23 | 0.0016 | 1.3 | 0.015 | 0.0028 | 0.000057 | 0.0087 | 0.00062 | 0.056 | 0.000025 | 0.0020 | 0.0039 | 0.0039 | 0 |
| 2022 | 33 | 0.40 | 4.7 | 0.043 | 3.2 | 0.10 | 14 | 0.000015 | 0.043 | 0.080 | 0.016 | 0.046 | ######## | 5.9 | 0.000019 | 0.00077 | 0.00013 | 0.0017 | 0.012 | 0.000013 | 3.3 | 0.0029 | 1.0 | 0.32 | 0.0011 | 0.5 | 0.020 | 0.0034 | 0.000050 | 0.0149 | 0.00098 | 0.087 | 0.000025 | 0.0016 | 0.0051 | 0.0028 | 0 |
| 2023 | 53 | 0.40 | 4.7 | 0.043 | 4.8 | 0.10 | 20 | 0.000014 | 0.046 | 0.12 | 0.012 | 0.12 | ######## | 8.7 | ######### | 0.00051 | 0.00018 | 0.0017 | 0.012 | 0.000013 | 11 | 0.0037 | 1.5 | 0.26 | 0.0014 | 0.7 | 0.016 | 0.0068 | 0.000078 | 0.0101 | 0.00212 | 0.090 | 0.000027 | 0.0018 | 0.0080 | 0.0026 | 0 |
| 2024 | 127 | 0.40 | 4.7 | 0.043 | 5.0 | 0.12 | 72 | 0.000018 | 0.043 | 0.068 | 0.015 | 0.10 | ######## | 24 | 0.000033 | 0.00094 | 0.00016 | 0.0017 | 0.011 | 0.000013 | 13 | 0.0039 | 5.2 | 2.00 | 0.0013 | 0.8 | 0.019 | 0.0062 | 0.000076 | 0.0062 | 0.00215 | 0.106 | 0.000023 | 0.0021 | 0.0061 | 0.0031 | 0 |
| 2025 | 156 | 0.40 | 4.7 | 0.043 | 5.2 | 0.12 | 92 | 0.000020 | 0.042 | 0.063 | 0.016 | 0.083 | ######## | 30 | 0.000043 | 0.00113 | 0.00014 | 0.0017 | 0.011 | 0.000013 | 13 | 0.0038 | 6.7 | 2.70 | 0.0012 | 0.8 | 0.022 | 0.0053 | 0.000071 | 0.0059 | 0.00194 | 0.109 | 0.000022 | 0.0022 | 0.0049 | 0.0033 | 0 |
| 2026 | 174 | 0.40 | 4.7 | 0.043 | 5.3 | 0.12 | 105 | 0.000021 | 0.042 | 0.052 | 0.017 | 0.076 | ######## | 34 | 0.000049 | 0.00124 | 0.00013 | 0.0017 | 0.011 | 0.000013 | 13 | 0.0038 | 7.6 | 3.12 | 0.0011 | 0.8 | 0.022 | 0.0050 | 0.000069 | 0.0050 | 0.00189 | 0.111 | 0.000021 | 0.0023 | 0.0043 | 0.0034 | 0 |
| 2027 | 263 | 0.40 | 4.7 | 0.043 | 5.8 | 0.14 | 167 | 0.000025 | 0.039 | 0.0065 | 0.021 | 0.038 | ######## | 53 | 0.000079 | 0.00177 | 0.00009 | 0.0017 | 0.011 | 0.000013 | 14 | 0.0038 | 12.1 | 5.21 | 0.0009 | 0.9 | 0.027 | 0.0033 | 0.000059 | 0.0014 | 0.00160 | 0.125 | 0.000017 | 0.0026 | 0.0014 | 0.0040 | 0 |
| 2028 | 35 | 0 | 0 | 0 | 7.8 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0091 | 0.036 | 0.000022 | 8.0 | 0.000011 | 0.00052 | 0.00011 | 0.0018 | 0.025 | 0.000032 | 5.4 | 0.0025 | 0.87 | 0.14 | 0.0022 | 1.2 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0022 | 0.0020 | 0.0065 | 0 |
| 2029 | 36 | 0 | 0 | 0 | 7.8 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0091 | 0.036 | 0.000022 | 8.0 | 0.000011 | 0.00052 | 0.00011 | 0.0018 | 0.025 | 0.000032 | 5.4 | 0.0025 | 0.87 | 0.14 | 0.0022 | 1.2 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0022 | 0.0020 | 0.0065 | 0 |
| 2030 | 36 | 0 | 0 | 0 | 7.8 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0091 | 0.037 | 0.000022 | 8.0 | 0.000011 | 0.00052 | 0.00011 | 0.0018 | 0.025 | 0.000032 | 5.4 | 0.0025 | 0.87 | 0.14 | 0.0022 | 1.2 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0022 | 0.0020 | 0.0065 | 0 |
| 2031 | 36 | 0 | 0 | 0 | 7.8 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0091 | 0.037 | 0.000023 | 8.0 | 0.000011 | 0.00052 | 0.00011 | 0.0018 | 0.025 | 0.000032 | 5.4 | 0.0025 | 0.88 | 0.14 | 0.0022 | 1.2 | 0.0045 | 0.0025 | 0.000084 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0023 | 0.0020 | 0.0065 | 0 |
| 2032 | 36 | 0 | 0 | 0 | 7.8 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0092 | 0.037 | 0.000023 | 8.0 | 0.000011 | 0.00052 | 0.00011 | 0.0018 | 0.025 | 0.000032 | 5.4 | 0.0025 | 0.88 | 0.14 | 0.0022 | 1.2 | 0.0045 | 0.0025 | 0.000085 | 0.0015 | 0.00036 | 0.027 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2033 | 36 | 0 | 0 | 0 | 7.8 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0092 | 0.037 | 0.000023 | 8.1 | 0.000011 | 0.00052 | 0.00011 | 0.0018 | 0.025 | 0.000032 | 5.4 | 0.0025 | 0.88 | 0.14 | 0.0022 | 1.2 | 0.0045 | 0.0025 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2034 | 36 | 0 | 0 | 0 | 7.8 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0092 | 0.037 | 0.000023 | 8.1 | 0.000011 | 0.00052 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.4 | 0.0025 | 0.88 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0025 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2035 | 36 | 0 | 0 | 0 | 7.8 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0092 | 0.037 | 0.000023 | 8.1 | 0.000011 | 0.00052 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.4 | 0.0026 | 0.88 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2036 | 36 | 0 | 0 | 0 | 7.9 | 0.16 | 12 | 0.000012 | 0.13 | 0.0023 | 0.0092 | 0.037 | 0.000023 | 8.1 | 0.000011 | 0.00053 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.4 | 0.0026 | 0.88 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2037 | 36 | 0 | 0 | 0 | 7.9 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0092 | 0.037 | 0.000023 | 8.1 | 0.000011 | 0.00053 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.88 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2038 | 36 | 0 | 0 | 0 | 7.9 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0093 | 0.037 | 0.000023 | 8.1 | 0.000011 | 0.00053 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.89 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000085 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2039 | 36 | 0 | 0 | 0 | 7.9 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0093 | 0.037 | 0.000023 | 8.1 | 0.000011 | 0.00053 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.89 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2040 | 36 | 0 | 0 | 0 | 7.9 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0093 | 0.037 | 0.000023 | 8.2 | 0.000011 | 0.00053 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.89 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0066 | 0 |
| 2041 | 36 | 0 | 0 | 0 | 7.9 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0093 | 0.037 | 0.000023 | 8.2 | 0.000011 | 0.00053 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.89 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00036 | 0.028 | 0.000021 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2042 | 36 | 0 | 0 | 0 | 7.9 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0093 | 0.037 | 0.000023 | 8.2 | 0.000011 | 0.00053 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.89 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2043 | 36 | 0 | 0 | 0 | 8.0 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0093 | 0.037 | 0.000023 | 8.2 | 0.000011 | 0.00053 | 0.00011 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.89 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2044 | 36 | 0 | 0 | 0 | 8.0 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0093 | 0.037 | 0.000023 | 8.2 | 0.000012 | 0.00053 | 0.00012 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.89 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2045 | 36 | 0 | 0 | 0 | 8.0 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0094 | 0.037 | 0.000023 | 8.2 | 0.000012 | 0.00053 | 0.00012 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.90 | 0.14 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000086 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2046 | 37 | 0 | 0 | 0 | 8.0 | 0.16 | 12 | 0.000012 | 0.14 | 0.0023 | 0.0094 | 0.038 | 0.000023 | 8.2 | 0.000012 | 0.00053 | 0.00012 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.90 | 0.15 | 0.0022 | 1.2 | 0.0046 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2047 | 37 | 0 | 0 | 0 | 8.0 | 0.16 | 12 | 0.000012 | 0.14 | 0.0024 | 0.0094 | 0.038 | 0.000023 | 8.2 | 0.000012 | 0.00053 | 0.00012 | 0.0018 | 0.025 | 0.000033 | 5.5 | 0.0026 | 0.90 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2048 | 37 | 0 | 0 | 0 | 8.0 | 0.16 | 12 | 0.000012 | 0.14 | 0.0024 | 0.0094 | 0.038 | 0.000023 | 8.3 | 0.000012 | 0.00054 | 0.00012 | 0.0018 | 0.025 | 0.000033 | 5.6 | 0.0026 | 0.90 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2049 | 37 | 0 | 0 | 0 | 8.0 | 0.16 | 12 | 0.000012 | 0.14 | 0.0024 | 0.0094 | 0.038 | 0.000023 | 8.3 | 0.000012 | 0.00054 | 0.00012 | 0.0018 | 0.025 | 0.000033 | 5.6 | 0.0026 | 0.90 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0067 | 0 |
| 2050 | 37 | 0 | 0 | 0 | 8.0 | 0.16 | 12 | 0.000012 | 0.14 | 0.0024 | 0.0094 | 0.038 | 0.000023 | 8.3 | 0.000012 | 0.00054 | 0.00012 | 0.0018 | 0.025 | 0.000033 | 5.6 | 0.0026 | 0.90 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2051 | 37 | 0 | 0 | 0 | 8.1 | 0.16 | 12 | 0.000012 | 0.14 | 0.0024 | 0.0095 | 0.038 | 0.000023 | 8.3 | 0.000012 | 0.00054 | 0.00012 | 0.0019 | 0.025 | 0.000033 | 5.6 | 0.0026 | 0.90 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2052 | 37 | 0 | 0 | 0 | 8.1 | 0.16 | 13 | 0.000012 | 0.14 | 0.0024 | 0.0095 | 0.038 | 0.000023 | 8.3 | 0.000012 | 0.00054 | 0.00012 | 0.0019 | 0.025 | 0.000034 | 5.6 | 0.0026 | 0.91 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000087 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2053 | 37 | 0 | 0 | 0 | 8.1 | 0.16 | 13 | 0.000012 | 0.14 | 0.0024 | 0.0095 | 0.038 | 0.000023 | 8.3 | 0.000012 | 0.00054 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.6 | 0.0026 | 0.91 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2054 | 37 | 0 | 0 | 0 | 8.1 | 0.16 | 13 | 0.000012 | 0.14 | 0.0024 | 0.0095 | 0.038 | 0.000023 | 8.3 | 0.000012 | 0.00054 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.6 | 0.0026 | 0.91 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.028 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2055 | 37 | 0 | 0 | 0 | 8.1 | 0.16 | 13 | 0.000012 | 0.14 | 0.0024 | 0.0095 | 0.038 | 0.000023 | 8.4 | 0.000012 | 0.00054 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.6 | 0.0026 | 0.91 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.029 | 0.000022 | 0.0023 | 0.0020 | 0.0068 | 0 |
| 2056 | 37 | 0 | 0 | 0 | 8.1 | 0.16 | 13 | 0.000012 | 0.14 | 0.0024 | 0.0095 | 0.038 | 0.000023 | 8.4 | 0.000012 | 0.00054 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.6 | 0.0026 | 0.91 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.029 | 0.000022 | 0.0023 | 0.0021 | 0.0068 | 0 |
| 2057 | 37 | 0 | 0 | 0 | 8.1 | 0.16 | 13 | 0.000012 | 0.14 | 0.0024 | 0.0095 | 0.038 | 0.000023 | 8.4 | 0.000012 | 0.00054 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.6 | 0.0026 | 0.91 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00037 | 0.029 | 0.000022 | 0.0023 | 0.0021 | 0.0068 | 0 |
| 2058 | 37 | 0 | 0 | 0 | 8.1 | 0.16 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0096 | 0.038 | 0.000024 | 8.4 | 0.000012 | 0.00054 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.6 | 0.0026 | 0.91 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0026 | 0.000088 | 0.0015 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0068 | 0 |
| 2059 | 37 | 0 | 0 | 0 | 8.2 | 0.16 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0096 | 0.038 | 0.000024 | 8.4 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.92 | 0.15 | 0.0023 | 1.2 | 0.0047 | 0.0027 | 0.000088 | 0.0015 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2060 | 37 | 0 | 0 | 0 | 8.2 | 0.16 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0096 | 0.038 | 0.000024 | 8.4 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.92 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000089 | 0.0015 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2061 | 37 | 0 | 0 | 0 | 8.2 | 0.16 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0096 | 0.038 | 0.000024 | 8.4 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.92 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2062 | 37 | 0 | 0 | 0 | 8.2 | 0.16 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0096 | 0.038 | 0.000024 | 8.4 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.92 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2063 | 38 | 0 | 0 | 0 | 8.2 | 0.16 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0096 | 0.039 | 0.000024 | 8.5 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.92 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2064 | 38 | 0 | 0 | 0 | 8.2 | 0.16 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0097 | 0.039 | 0.000024 | 8.5 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.92 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2065 | 38 | 0 | 0 | 0 | 8.2 | 0.16 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0097 | 0.039 | 0.000024 | 8.5 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.92 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2066 | 38 | 0 | 0 | 0 | 8.3 | 0.17 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0097 | 0.039 | 0.000024 | 8.5 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.93 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000089 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2067 | 38 | 0 | 0 | 0 | 8.3 | 0.17 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0097 | 0.039 | 0.000024 | 8.5 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.93 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2068 | 38 | 0 | 0 | 0 | 8.3 | 0.17 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0097 | 0.039 | 0.000024 | 8.5 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.93 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0069 | 0 |
| 2069 | 38 | 0 | 0 | 0 | 8.3 | 0.17 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0097 | 0.039 | 0.000024 | 8.5 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.7 | 0.0027 | 0.93 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2070 | 38 | 0 | 0 | 0 | 8.3 | 0.17 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0097 | 0.039 | 0.000024 | 8.6 | 0.000012 | 0.00055 | 0.00012 | 0.0019 | 0.026 | 0.000034 | 5.8 | 0.0027 | 0.93 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000022 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2071 | 38 | 0 | 0 | 0 | 8.3 | 0.17 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0098 | 0.039 | 0.000024 | 8.6 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.026 | 0.000035 | 5.8 | 0.0027 | 0.93 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2072 | 38 | 0 | 0 | 0 | 8.3 | 0.17 | 13 | 0.000013 | 0.14 | 0.0024 | 0.0098 | 0.039 | 0.000024 | 8.6 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.026 | 0.000035 | 5.8 | 0.0027 | 0.93 | 0.15 | 0.0023 | 1.2 | 0.0048 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2073 | 38 | 0 | 0 | 0 | 8.3 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0098 | 0.039 | 0.000024 | 8.6 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.026 | 0.000035 | 5.8 | 0.0027 | 0.94 | 0.15 | 0.0023 | 1.3 | 0.0049 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2074 | 38 | 0 | 0 | 0 | 8.4 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0098 | 0.039 | 0.000024 | 8.6 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.026 | 0.000035 | 5.8 | 0.0027 | 0.94 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000090 | 0.0016 | 0.00038 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2075 | 38 | 0 | 0 | 0 | 8.4 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0098 | 0.039 | 0.000024 | 8.6 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.026 | 0.000035 | 5.8 | 0.0027 | 0.94 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.029 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2076 | 38 | 0 | 0 | 0 | 8.4 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0098 | 0.039 | 0.000024 | 8.6 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.026 | 0.000035 | 5.8 | 0.0027 | 0.94 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2077 | 38 | 0 | 0 | 0 | 8.4 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0098 | 0.039 | 0.000024 | 8.6 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.027 | 0.000035 | 5.8 | 0.0027 | 0.94 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0070 | 0 |
| 2078 | 38 | 0 | 0 | 0 | 8.4 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0099 | 0.039 | 0.000024 | 8.7 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.027 | 0.000035 | 5.8 | 0.0027 | 0.94 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2079 | 38 | 0 | 0 | 0 | 8.4 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0099 | 0.040 | 0.000024 | 8.7 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.027 | 0.000035 | 5.8 | 0.0027 | 0.94 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2080 | 39 | 0 | 0 | 0 | 8.4 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0099 | 0.040 | 0.000024 | 8.7 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.027 | 0.000035 | 5.8 | 0.0027 | 0.95 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2081 | 39 | 0 | 0 | 0 | 8.4 | 0.17 | 13 | 0.000013 | 0.14 | 0.0025 | 0.0099 | 0.040 | 0.000024 | 8.7 | 0.000012 | 0.00056 | 0.00012 | 0.0019 | 0.027 | 0.000035 | 5.8 | 0.0027 | 0.95 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000091 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2082 | 39 | 0 | 0 | 0 | 8.5 | 0.17 | 13 | 0.000013 | 0.15 | 0.0025 | 0.0099 | 0.040 | 0.000024 | 8.7 | 0.000012 | 0.00057 | 0.00012 | 0.0019 | 0.027 | 0.000035 | 5.9 | 0.0027 | 0.95 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0027 | 0.000092 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2083 | 39 | 0 | 0 | 0 | 8.5 | 0.17 | 13 | 0.000013 | 0.15 | 0.0025 | 0.0099 | 0.040 | 0.000024 | 8.7 | 0.000012 | 0.00057 | 0.00012 | 0.0019 | 0.027 | 0.000035 | 5.9 | 0.0028 | 0.95 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0028 | 0.000092 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0024 | 0.0021 | 0.0071 | 0 |
| 2084 | 39 | 0 | 0 | 0 | 8.5 | 0.17 | 13 | 0.000013 | 0.15 | 0.0025 | 0.0100 | 0.040 | 0.000025 | 8.7 | 0.000012 | 0.00057 | 0.00012 | 0.0019 | 0.027 | 0.000035 | 5.9 | 0.0028 | 0.95 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0028 | 0.000092 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0025 | 0.0021 | 0.0071 | 0 |
| 2085 | 39 | 0 | 0 | 0 | 8.5 | 0.17 | 13 | 0.000013 | 0.15 | 0.0025 | 0.0100 | 0.040 | 0.000025 | 8.8 | 0.000012 | 0.00057 | 0.00012 | 0.0020 | 0.027 | 0.000035 | 5.9 | 0.0028 | 0.95 | 0.15 | 0.0024 | 1.3 | 0.0049 | 0.0028 | 0.000092 | 0.0016 | 0.00039 | 0.030 | 0.000023 | 0.0025 | 0.0021 | 0.0071 | 0 |
| 2086 | 39 | 0 | 0 | 0 | 8.5 | 0.17 | 13 | 0.000013 | 0.15 | 0.0025 | 0.0100 | 0.040 | 0.000025 | 8.8 | 0.000012 | 0.

**Appendix A-6: IVR waste rock storage facility (WRSF) combined interflow and runoff source term results**

| Year | TDS | $NH_3$-N | $NO_3$-N | $NO_2$-N | Cl | F | $SO_4$ | Ag | Al | As | B | Ba | Be | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | Li | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Se | Sr | Tl | U | V | Zn | $^{226}$Ra |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| 2096 | 40 | 0 | 0 | 0 | 8.6 | 0.17 | 13 | 0.000013 | 0.15 | 0.0025 | 0.0101 | 0.041 | 0.000025 | 8.9 | 0.000012 | 0.00058 | 0.00012 | 0.0020 | 0.027 | 0.000036 | 6.0 | 0.0028 | 0.97 | 0.16 | 0.0024 | 1.3 | 0.0050 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.030 | 0.000023 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2097 | 40 | 0 | 0 | 0 | 8.7 | 0.17 | 13 | 0.000013 | 0.15 | 0.0025 | 0.0102 | 0.041 | 0.000025 | 8.9 | 0.000012 | 0.00058 | 0.00012 | 0.0020 | 0.027 | 0.000036 | 6.0 | 0.0028 | 0.97 | 0.16 | 0.0024 | 1.3 | 0.0050 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.030 | 0.000023 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2098 | 40 | 0 | 0 | 0 | 8.7 | 0.17 | 13 | 0.000013 | 0.15 | 0.0025 | 0.0102 | 0.041 | 0.000025 | 8.9 | 0.000013 | 0.00058 | 0.00013 | 0.0020 | 0.027 | 0.000036 | 6.0 | 0.0028 | 0.97 | 0.16 | 0.0024 | 1.3 | 0.0050 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.031 | 0.000023 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2099 | 40 | 0 | 0 | 0 | 8.7 | 0.17 | 13 | 0.000013 | 0.15 | 0.0026 | 0.0102 | 0.041 | 0.000025 | 8.9 | 0.000013 | 0.00058 | 0.00013 | 0.0020 | 0.027 | 0.000036 | 6.0 | 0.0028 | 0.97 | 0.16 | 0.0024 | 1.3 | 0.0050 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2100 | 40 | 0 | 0 | 0 | 8.7 | 0.17 | 13 | 0.000013 | 0.15 | 0.0026 | 0.0102 | 0.041 | 0.000025 | 9.0 | 0.000013 | 0.00058 | 0.00013 | 0.0020 | 0.027 | 0.000036 | 6.0 | 0.0028 | 0.98 | 0.16 | 0.0024 | 1.3 | 0.0051 | 0.0028 | 0.000094 | 0.0016 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2101 | 40 | 0 | 0 | 0 | 8.7 | 0.17 | 13 | 0.000013 | 0.15 | 0.0026 | 0.0102 | 0.041 | 0.000025 | 9.0 | 0.000013 | 0.00058 | 0.00013 | 0.0020 | 0.028 | 0.000036 | 6.0 | 0.0028 | 0.98 | 0.16 | 0.0024 | 1.3 | 0.0051 | 0.0028 | 0.000094 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2102 | 40 | 0 | 0 | 0 | 8.7 | 0.17 | 14 | 0.000013 | 0.15 | 0.0026 | 0.0102 | 0.041 | 0.000025 | 9.0 | 0.000013 | 0.00058 | 0.00013 | 0.0020 | 0.028 | 0.000036 | 6.0 | 0.0028 | 0.98 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0028 | 0.000094 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2103 | 40 | 0 | 0 | 0 | 8.7 | 0.17 | 14 | 0.000013 | 0.15 | 0.0026 | 0.0102 | 0.041 | 0.000025 | 9.0 | 0.000013 | 0.00058 | 0.00013 | 0.0020 | 0.028 | 0.000036 | 6.0 | 0.0028 | 0.98 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0028 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2104 | 40 | 0 | 0 | 0 | 8.7 | 0.17 | 14 | 0.000013 | 0.15 | 0.0026 | 0.0103 | 0.041 | 0.000025 | 9.0 | 0.000013 | 0.00058 | 0.00013 | 0.0020 | 0.028 | 0.000036 | 6.1 | 0.0028 | 0.98 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0028 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0073 | 0 |
| 2105 | 40 | 0 | 0 | 0 | 8.8 | 0.18 | 14 | 0.000013 | 0.15 | 0.0026 | 0.0103 | 0.041 | 0.000025 | 9.0 | 0.000013 | 0.00058 | 0.00013 | 0.0020 | 0.028 | 0.000036 | 6.1 | 0.0028 | 0.98 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0028 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2106 | 40 | 0 | 0 | 0 | 8.8 | 0.18 | 14 | 0.000013 | 0.15 | 0.0026 | 0.0103 | 0.041 | 0.000025 | 9.0 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000036 | 6.1 | 0.0028 | 0.98 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0028 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2107 | 40 | 0 | 0 | 0 | 8.8 | 0.18 | 14 | 0.000013 | 0.15 | 0.0026 | 0.0103 | 0.041 | 0.000025 | 9.0 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000036 | 6.1 | 0.0029 | 0.99 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0029 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2108 | 40 | 0 | 0 | 0 | 8.8 | 0.18 | 14 | 0.000013 | 0.15 | 0.0026 | 0.0103 | 0.041 | 0.000025 | 9.1 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.1 | 0.0029 | 0.99 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0029 | 0.000095 | 0.0017 | 0.00040 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2109 | 40 | 0 | 0 | 0 | 8.8 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0103 | 0.041 | 0.000025 | 9.1 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.1 | 0.0029 | 0.99 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0029 | 0.000095 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2110 | 40 | 0 | 0 | 0 | 8.8 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0104 | 0.041 | 0.000025 | 9.1 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.1 | 0.0029 | 0.99 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0025 | 0.0022 | 0.0074 | 0 |
| 2111 | 40 | 0 | 0 | 0 | 8.8 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0104 | 0.041 | 0.000026 | 9.1 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.1 | 0.0029 | 0.99 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0074 | 0 |
| 2112 | 40 | 0 | 0 | 0 | 8.8 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0104 | 0.042 | 0.000026 | 9.1 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.1 | 0.0029 | 0.99 | 0.16 | 0.0025 | 1.3 | 0.0051 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0074 | 0 |
| 2113 | 41 | 0 | 0 | 0 | 8.9 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0104 | 0.042 | 0.000026 | 9.1 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.1 | 0.0029 | 0.99 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0074 | 0 |
| 2114 | 41 | 0 | 0 | 0 | 8.9 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0104 | 0.042 | 0.000026 | 9.1 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.1 | 0.0029 | 1.00 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0074 | 0 |
| 2115 | 41 | 0 | 0 | 0 | 8.9 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0104 | 0.042 | 0.000026 | 9.2 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.00 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0075 | 0 |
| 2116 | 41 | 0 | 0 | 0 | 8.9 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0104 | 0.042 | 0.000026 | 9.2 | 0.000013 | 0.00059 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.00 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000096 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0022 | 0.0075 | 0 |
| 2117 | 41 | 0 | 0 | 0 | 8.9 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0105 | 0.042 | 0.000026 | 9.2 | 0.000013 | 0.00060 | 0.00013 | 0.0020 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.00 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2118 | 41 | 0 | 0 | 0 | 8.9 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0105 | 0.042 | 0.000026 | 9.2 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.00 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2119 | 41 | 0 | 0 | 0 | 8.9 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0105 | 0.042 | 0.000026 | 9.2 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.00 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.031 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2120 | 41 | 0 | 0 | 0 | 9.0 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0105 | 0.042 | 0.000026 | 9.2 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.00 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2121 | 41 | 0 | 0 | 0 | 9.0 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0105 | 0.042 | 0.000026 | 9.2 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.01 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2122 | 41 | 0 | 0 | 0 | 9.0 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0105 | 0.042 | 0.000026 | 9.2 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.01 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2123 | 41 | 0 | 0 | 0 | 9.0 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0105 | 0.042 | 0.000026 | 9.3 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.01 | 0.16 | 0.0025 | 1.3 | 0.0052 | 0.0029 | 0.000097 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0075 | 0 |
| 2124 | 41 | 0 | 0 | 0 | 9.0 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0106 | 0.042 | 0.000026 | 9.3 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.01 | 0.16 | 0.0025 | 1.4 | 0.0052 | 0.0029 | 0.000098 | 0.0017 | 0.00041 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2125 | 41 | 0 | 0 | 0 | 9.0 | 0.18 | 14 | 0.000014 | 0.15 | 0.0026 | 0.0106 | 0.042 | 0.000026 | 9.3 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.028 | 0.000037 | 6.2 | 0.0029 | 1.01 | 0.16 | 0.0025 | 1.4 | 0.0052 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2126 | 41 | 0 | 0 | 0 | 9.0 | 0.18 | 14 | 0.000014 | 0.15 | 0.0027 | 0.0106 | 0.042 | 0.000026 | 9.3 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.029 | 0.000037 | 6.3 | 0.0029 | 1.01 | 0.16 | 0.0025 | 1.4 | 0.0052 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2127 | 41 | 0 | 0 | 0 | 9.0 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0106 | 0.042 | 0.000026 | 9.3 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0029 | 1.01 | 0.16 | 0.0025 | 1.4 | 0.0053 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000024 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2128 | 41 | 0 | 0 | 0 | 9.1 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0106 | 0.043 | 0.000026 | 9.3 | 0.000013 | 0.00060 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0029 | 1.02 | 0.16 | 0.0025 | 1.4 | 0.0053 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2129 | 41 | 0 | 0 | 0 | 9.1 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0106 | 0.043 | 0.000026 | 9.3 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0029 | 1.02 | 0.16 | 0.0026 | 1.4 | 0.0053 | 0.0029 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2130 | 42 | 0 | 0 | 0 | 9.1 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0107 | 0.043 | 0.000026 | 9.4 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.02 | 0.16 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000098 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2131 | 42 | 0 | 0 | 0 | 9.1 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0107 | 0.043 | 0.000026 | 9.4 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.02 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2132 | 42 | 0 | 0 | 0 | 9.1 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0107 | 0.043 | 0.000026 | 9.4 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.02 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0076 | 0 |
| 2133 | 42 | 0 | 0 | 0 | 9.1 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0107 | 0.043 | 0.000026 | 9.4 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.02 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2134 | 42 | 0 | 0 | 0 | 9.1 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0107 | 0.043 | 0.000026 | 9.4 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.02 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2135 | 42 | 0 | 0 | 0 | 9.1 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0107 | 0.043 | 0.000026 | 9.4 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.03 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2136 | 42 | 0 | 0 | 0 | 9.2 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0107 | 0.043 | 0.000026 | 9.4 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.3 | 0.0030 | 1.03 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2137 | 42 | 0 | 0 | 0 | 9.2 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0108 | 0.043 | 0.000026 | 9.4 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.03 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0026 | 0.0023 | 0.0077 | 0 |
| 2138 | 42 | 0 | 0 | 0 | 9.2 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0108 | 0.043 | 0.000027 | 9.5 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.03 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000099 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0027 | 0.0023 | 0.0077 | 0 |
| 2139 | 42 | 0 | 0 | 0 | 9.2 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0108 | 0.043 | 0.000027 | 9.5 | 0.000013 | 0.00061 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.03 | 0.17 | 0.0026 | 1.4 | 0.0053 | 0.0030 | 0.000100 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0027 | 0.0023 | 0.0077 | 0 |
| 2140 | 42 | 0 | 0 | 0 | 9.2 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0108 | 0.043 | 0.000027 | 9.5 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.03 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000100 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0027 | 0.0023 | 0.0077 | 0 |
| 2141 | 42 | 0 | 0 | 0 | 9.2 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0108 | 0.043 | 0.000027 | 9.5 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.04 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000100 | 0.0017 | 0.00042 | 0.032 | 0.000025 | 0.0027 | 0.0023 | 0.0077 | 0 |
| 2142 | 42 | 0 | 0 | 0 | 9.2 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0108 | 0.043 | 0.000027 | 9.5 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.04 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000100 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2143 | 42 | 0 | 0 | 0 | 9.2 | 0.18 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0109 | 0.043 | 0.000027 | 9.5 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.04 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000100 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2144 | 42 | 0 | 0 | 0 | 9.3 | 0.19 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0109 | 0.043 | 0.000027 | 9.5 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000038 | 6.4 | 0.0030 | 1.04 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000100 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2145 | 42 | 0 | 0 | 0 | 9.3 | 0.19 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0109 | 0.044 | 0.000027 | 9.6 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000039 | 6.4 | 0.0030 | 1.04 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000100 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2146 | 42 | 0 | 0 | 0 | 9.3 | 0.19 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0109 | 0.044 | 0.000027 | 9.6 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000039 | 6.4 | 0.0030 | 1.04 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0023 | 0.0078 | 0 |
| 2147 | 43 | 0 | 0 | 0 | 9.3 | 0.19 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0109 | 0.044 | 0.000027 | 9.6 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000039 | 6.4 | 0.0030 | 1.04 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0078 | 0 |
| 2148 | 43 | 0 | 0 | 0 | 9.3 | 0.19 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0109 | 0.044 | 0.000027 | 9.6 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000039 | 6.5 | 0.0030 | 1.05 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0078 | 0 |
| 2149 | 43 | 0 | 0 | 0 | 9.3 | 0.19 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0109 | 0.044 | 0.000027 | 9.6 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.029 | 0.000039 | 6.5 | 0.0030 | 1.05 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0078 | 0 |
| 2150 | 43 | 0 | 0 | 0 | 9.3 | 0.19 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0110 | 0.044 | 0.000027 | 9.6 | 0.000013 | 0.00062 | 0.00013 | 0.0021 | 0.030 | 0.000039 | 6.5 | 0.0030 | 1.05 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0078 | 0 |
| 2151 | 43 | 0 | 0 | 0 | 9.4 | 0.19 | 14 | 0.000014 | 0.16 | 0.0027 | 0.0110 | 0.044 | 0.000027 | 9.6 | 0.000014 | 0.00062 | 0.00014 | 0.0021 | 0.030 | 0.000039 | 6.5 | 0.0030 | 1.05 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2152 | 43 | 0 | 0 | 0 | 9.4 | 0.19 | 15 | 0.000014 | 0.16 | 0.0028 | 0.0110 | 0.044 | 0.000027 | 9.6 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.5 | 0.0030 | 1.05 | 0.17 | 0.0026 | 1.4 | 0.0054 | 0.0030 | 0.000101 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2153 | 43 | 0 | 0 | 0 | 9.4 | 0.19 | 15 | 0.000014 | 0.16 | 0.0028 | 0.0110 | 0.044 | 0.000027 | 9.7 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.5 | 0.0030 | 1.05 | 0.17 | 0.0026 | 1.4 | 0.0055 | 0.0030 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2154 | 43 | 0 | 0 | 0 | 9.4 | 0.19 | 15 | 0.000014 | 0.16 | 0.0028 | 0.0110 | 0.044 | 0.000027 | 9.7 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.5 | 0.0031 | 1.05 | 0.17 | 0.0026 | 1.4 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2155 | 43 | 0 | 0 | 0 | 9.4 | 0.19 | 15 | 0.000014 | 0.16 | 0.0028 | 0.0110 | 0.044 | 0.000027 | 9.7 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.5 | 0.0031 | 1.06 | 0.17 | 0.0026 | 1.4 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000025 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2156 | 43 | 0 | 0 | 0 | 9.4 | 0.19 | 15 | 0.000014 | 0.16 | 0.0028 | 0.0111 | 0.044 | 0.000027 | 9.7 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.5 | 0.0031 | 1.06 | 0.17 | 0.0027 | 1.4 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000026 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2157 | 43 | 0 | 0 | 0 | 9.4 | 0.19 | 15 | 0.000014 | 0.16 | 0.0028 | 0.0111 | 0.044 | 0.000027 | 9.7 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.5 | 0.0031 | 1.06 | 0.17 | 0.0027 | 1.4 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000026 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2158 | 43 | 0 | 0 | 0 | 9.4 | 0.19 | 15 | 0.000014 | 0.16 | 0.0028 | 0.0111 | 0.044 | 0.000027 | 9.7 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.5 | 0.0031 | 1.06 | 0.17 | 0.0027 | 1.4 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00043 | 0.033 | 0.000026 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2159 | 43 | 0 | 0 | 0 | 9.5 | 0.19 | 15 | 0.000015 | 0.16 | 0.0028 | 0.0111 | 0.044 | 0.000027 | 9.7 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.5 | 0.0031 | 1.06 | 0.17 | 0.0027 | 1.4 | 0.0055 | 0.0031 | 0.000102 | 0.0018 | 0.00044 | 0.033 | 0.000026 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2160 | 43 | 0 | 0 | 0 | 9.5 | 0.19 | 15 | 0.000015 | 0.16 | 0.0028 | 0.0111 | 0.044 | 0.000027 | 9.8 | 0.000014 | 0.00063 | 0.00014 | 0.0022 | 0.030 | 0.000039 | 6.6 | 0.0031 | 1.06 | 0.17 | 0.0027 | 1.4 | 0.0055 | 0.0031 | 0.000103 | 0.0018 | 0.00044 | 0.033 | 0.000026 | 0.0027 | 0.0024 | 0.0079 | 0 |
| 2161 | 43 | 0 | 0 | 0 | 9.5 | 0.19 | 15 | 0.000015 | 0.16 | 0.0028 | 0.0111 | 0.045 

**Appendix A-7: Underground sump source term results**

| Year | TDS | $NH_3$-N | $NO_3$-N | $NO_2$-N | Cl | F | $SO_4$ | Ag | Al | As | B | Ba | Be |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| 2022 | 4217 | 220 | 380 | 5.1 | 2788 | 3.6 | 1804 | 0.0005825 | 0.44 | 51 | 1.7 | 1.1 | 0.00026 |
| 2023 | 4217 | 83 | 280 | 2.5 | 2751 | 1.7 | 843 | 0.0002821 | 0.32 | 24 | 1.4 | 0.57 | 0.00018 |
| 2024 | 4217 | 83 | 280 | 2.5 | 2744 | 1.4 | 649 | 0.0002214 | 0.25 | 18 | 1.3 | 0.46 | 0.00016 |
| 2025 | 4217 | 690 | 740 | 32 | 2739 | 1.1 | 506 | 0.0001768 | 0.20 | 14 | 1.2 | 0.38 | 0.00015 |
| 2026 | 4217 | 540 | 590 | 25 | 2749 | 1.6 | 767 | 0.0002581 | 0.29 | 22 | 1.3 | 0.53 | 0.00017 |
| 2027 | 4217 | 540 | 580 | 25 | 2760 | 2.2 | 1068 | 0.0003525 | 0.41 | 30 | 1.4 | 0.69 | 0.00020 |
| 2028 | 4217 | 286 | 307 | 13 | 2774 | 2.9 | 1441 | 0.0004691 | 0.44 | 41 | 1.6 | 0.90 | 0.00023 |

| Year | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | Li | Mg | Mn | Mo | Na |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| 2022 | 1775 | 0.00035 | 0.021 | 0.0056 | 0.017 | 0.080 | 0.00023 | 547 | 0.13 | 148 | 2.2 | 0.089 | 638 |
| 2023 | 1385 | 0.00017 | 0.010 | 0.0031 | 0.0081 | 0.080 | 0.00011 | 257 | 0.067 | 69 | 1.0 | 0.042 | 582 |
| 2024 | 1306 | 0.00014 | 0.0076 | 0.0026 | 0.0063 | 0.080 | 0.00008 | 199 | 0.054 | 53 | 0.78 | 0.033 | 571 |
| 2025 | 1248 | 0.00011 | 0.0060 | 0.0023 | 0.0049 | 0.074 | 0.000065 | 156 | 0.045 | 42 | 0.61 | 0.026 | 563 |
| 2026 | 1354 | 0.00016 | 0.0089 | 0.0029 | 0.0074 | 0.080 | 0.00010 | 234 | 0.062 | 63 | 0.92 | 0.038 | 578 |
| 2027 | 1476 | 0.00021 | 0.012 | 0.0037 | 0.010 | 0.080 | 0.00014 | 325 | 0.082 | 88 | 1.28 | 0.053 | 596 |
| 2028 | 1628 | 0.00028 | 0.016 | 0.0047 | 0.014 | 0.080 | 0.00019 | 438 | 0.106 | 118 | 1.73 | 0.071 | 617 |

| Year | Ni | P | Pb | Sb | Se | Sr | Tl | U | V | Zn | $^{226}$Ra |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| 2022 | 0.22 | 0.0036 | 0.0019 | 0.51 | 0.055 | 26 | 0.00088 | 0.069 | 0.21 | 0.054 | 0.23 |
| 2023 | 0.11 | 0.0046 | 0.0010 | 0.24 | 0.029 | 24 | 0.00042 | 0.032 | 0.10 | 0.028 | 0.23 |
| 2024 | 0.081 | 0.0049 | 0.00082 | 0.18 | 0.024 | 24 | 0.00032 | 0.025 | 0.078 | 0.022 | 0.23 |
| 2025 | 0.063 | 0.0052 | 0.00068 | 0.14 | 0.020 | 23 | 0.00025 | 0.019 | 0.062 | 0.019 | 0.23 |
| 2026 | 0.10 | 0.0048 | 0.00093 | 0.22 | 0.027 | 24 | 0.00038 | 0.029 | 0.092 | 0.026 | 0.23 |
| 2027 | 0.13 | 0.0043 | 0.0012 | 0.30 | 0.035 | 24 | 0.00053 | 0.041 | 0.13 | 0.034 | 0.23 |
| 2028 | 0.18 | 0.0039 | 0.0016 | 0.41 | 0.045 | 25 | 0.00071 | 0.055 | 0.17 | 0.044 | 0.23 |

**Appendix A-9: Exposed lakebed sediment runoff source term results**

| Parameter | Unit | Lakebed Sediment Runoff |
|---|---|---|
| TDS | mg/L | 107 |
| $NH_3$-N | mg/L | 9.5 |
| $NO_3$-N | mg/L | 0.01 |
| $NO_2$-N | mg/L | 0.023 |
| Cl | mg/L | 16 |
| F | mg/L | 0.68 |
| $SO_4$ | mg/L | 0.3 |
| Ag | mg/L | 0.000002 |
| Al | mg/L | 0.00093 |
| As | mg/L | 0.014 |
| B | mg/L | 0.01 |
| Ba | mg/L | 0.08 |
| Be | mg/L | 0.0000025 |
| Ca | mg/L | 54 |
| Cd | mg/L | 0.0000031 |
| Co | mg/L | 0.0014 |
| Cr | mg/L | 0.00041 |
| Cu | mg/L | 0.00038 |
| Fe | mg/L | 0.043 |
| Hg | mg/L | 0.000005 |
| K | mg/L | 9.1 |
| Li | mg/L | 0.0015 |
| Mg | mg/L | 11 |
| Mn | mg/L | 3.1 |
| Mo | mg/L | 0.00057 |
| Na | mg/L | 3.5 |
| Ni | mg/L | 0.0045 |
| P | mg/L | 0.013 |
| Pb | mg/L | 0.0000063 |
| Sb | mg/L | 0.000094 |
| Se | mg/L | 0.00028 |
| Sr | mg/L | 0.000017 |
| Tl | mg/L | 0.0000083 |
| U | mg/L | 0.00023 |
| V | mg/L | 0.00004 |
| Zn | mg/L | 0.0011 |

**Appendix A-10: Temporary stockpiles and mine facilities areas source term results**

| Parameter | Unit | NPAG/NML Stockpile | Open Pit Ore Stockpile | Underground Ore and Waste Rock Stockpiles | Mine Facilities Areas |
|---|---|---|---|---|---|
| TDS | mg/L | 48 | 283 | 14908 | 31 |
| $NH_3$-N | mg/L | 0.4 | 0.4 | 111 | 0.4 |
| $NO_3$-N | mg/L | 4.7 | 4.7 | 319 | 4.7 |
| $NO_2$-N | mg/L | 0.043 | 0.043 | 4.9 | 0.043 |
| Cl | mg/L | 3.4 | 43 | 10000 | 11 |
| F | mg/L | 0.32 | 0.45 | 0.93 | 0.13 |
| SO4 | mg/L | 23 | 133 | 323 | 10 |
| Ag | mg/L | 0.000012 | 0.00036 | 0.0007 | 0.0000051 |
| Al | mg/L | 0.13 | 0.18 | 0.44 | 0.057 |
| As | mg/L | 0.0002 | 0.46 | 0.37 | 0.000084 |
| B | mg/L | 0.0092 | 0.068 | 0.025 | 0.0039 |
| Ba | mg/L | 0.055 | 0.047 | 3.5 | 0.023 |
| Be | mg/L | 0.000023 | 0.000077 | 0.00026 | 0.00001 |
| Ca | mg/L | 8.6 | 60 | 3592 | 2.7 |
| Cd | mg/L | 0.000011 | 0.000036 | 0.0076 | 0.0000048 |
| Co | mg/L | 0.00052 | 0.0057 | 0.00026 | 0.00022 |
| Cr | mg/L | 0.00011 | 0.00048 | 0.054 | 0.000048 |
| Cu | mg/L | 0.0063 | 0.0064 | 0.019 | 0.0027 |
| Fe | mg/L | 0.025 | 0.078 | 0.078 | 0.01 |
| Hg | mg/L | 0.000032 | 0.000069 | 0.000093 | 0.000014 |
| K | mg/L | 5.4 | 26 | 226 | 2.3 |
| Li | mg/L | 0.0025 | 0.0098 | 3.8 | 0.0011 |
| Mg | mg/L | 1.6 | 7 | 192 | 0.42 |
| Mn | mg/L | 0.037 | 0.62 | 17 | 0.016 |
| Mo | mg/L | 0.0052 | 0.0091 | 0.039 | 0.0022 |
| Na | mg/L | 0.51 | 7.7 | 123 | 0.24 |
| Ni | mg/L | 0.0045 | 0.22 | 0.78 | 0.0019 |
| P | mg/L | 0.0025 | 0.034 | 0.00012 | 0.0011 |
| Pb | mg/L | 0.000085 | 0.00022 | 0.0074 | 0.000036 |
| Sb | mg/L | 0.0015 | 0.012 | 0.00064 | 0.00063 |
| Se | mg/L | 0.00036 | 0.0012 | 0.0051 | 0.00015 |
| Sr | mg/L | 0.027 | 0.15 | 0.00011 | 0.012 |
| Tl | mg/L | 0.000021 | 0.0002 | 0.0016 | 0.0000089 |
| U | mg/L | 0.0023 | 0.00028 | 0.001 | 0.001 |
| V | mg/L | 0.002 | 0.0018 | 0.0076 | 0.00083 |
| Zn | mg/L | 0.0066 | 0.014 | 0.18 | 0.0028 |
| $^{226}Ra$ | Bq/L | 0 | 0 | 0 | 0 |

**Appendix A-11: Groundwater seepage into Whale Tail Pit and Whale Tail Dike Seepage source term results**

| Parameter | Unit | Shallow Groundwater Seepage to Whale Tail Pit | Whale Tail Dike and Kangislulik Dike Seepage |
|---|---|---|---|
| TDS | mg/L | 212 | 62 |
| $NH_3$–N | mg/L | 0.634 | 0.061 |
| $NO_3$–N | mg/L | 0.43 | 0.39 |
| $NO_2$–N | mg/L | 0.017 | 0.01 |
| Cl | mg/L | 40 | 15 |
| F | mg/L | 0.21 | 0.1 |
| $SO_4$ | mg/L | 42 | 16 |
| Ag | mg/L | 0.00001 | 0.00002 |
| Al | mg/L | 0.0041 | 0.011 |
| As | mg/L | 0.023 | 0.0065 |
| B | mg/L | 0.01 | 0.05 |
| Ba | mg/L | 0.086 | 0.028 |
| Be | mg/L | 0.000075 | 0.0001 |
| Ca | mg/L | 34 | 20 |
| Cd | mg/L | 0.000008 | 0.00001 |
| Co | mg/L | 0.001 | 0.0001 |
| Cr | mg/L | 0.00073 | 0.0005 |
| Cu | mg/L | 0.00067 | 0.0012 |
| Fe | mg/L | 0.42 | 0.016 |
| Hg | mg/L | 0.0000075 | 0.00001 |
| K | mg/L | 4 | 4 |
| Li | mg/L | 0.0059 | 0.0024 |
| Mg | mg/L | 7.1 | 3.4 |
| Mn | mg/L | 0.26 | 0.1 |
| Mo | mg/L | 0.011 | 0.0018 |
| Na | mg/L | 7.6 | 3 |
| Ni | mg/L | 0.0038 | 0.001 |
| P | mg/L | 0.011 | 0.0053 |
| Pb | mg/L | 0.00015 | 0.0002 |
| Sb | mg/L | 0.00056 | 0.0005 |
| Se | mg/L | 0.00013 | 0.00011 |
| Sr | mg/L | 0.2 | 0.26 |
| Tl | mg/L | 0.0000087 | 0.00001 |
| U | mg/L | 0.00058 | 0.00077 |
| V | mg/L | 0.005 | 0.005 |
| Zn | mg/L | 0.0038 | 0.005 |
| Ra–226 | Bq/L | 0.051 | 0 |

# *Appendix B: Calibration Results Timeseries Plots*

AGNICO EAGLE

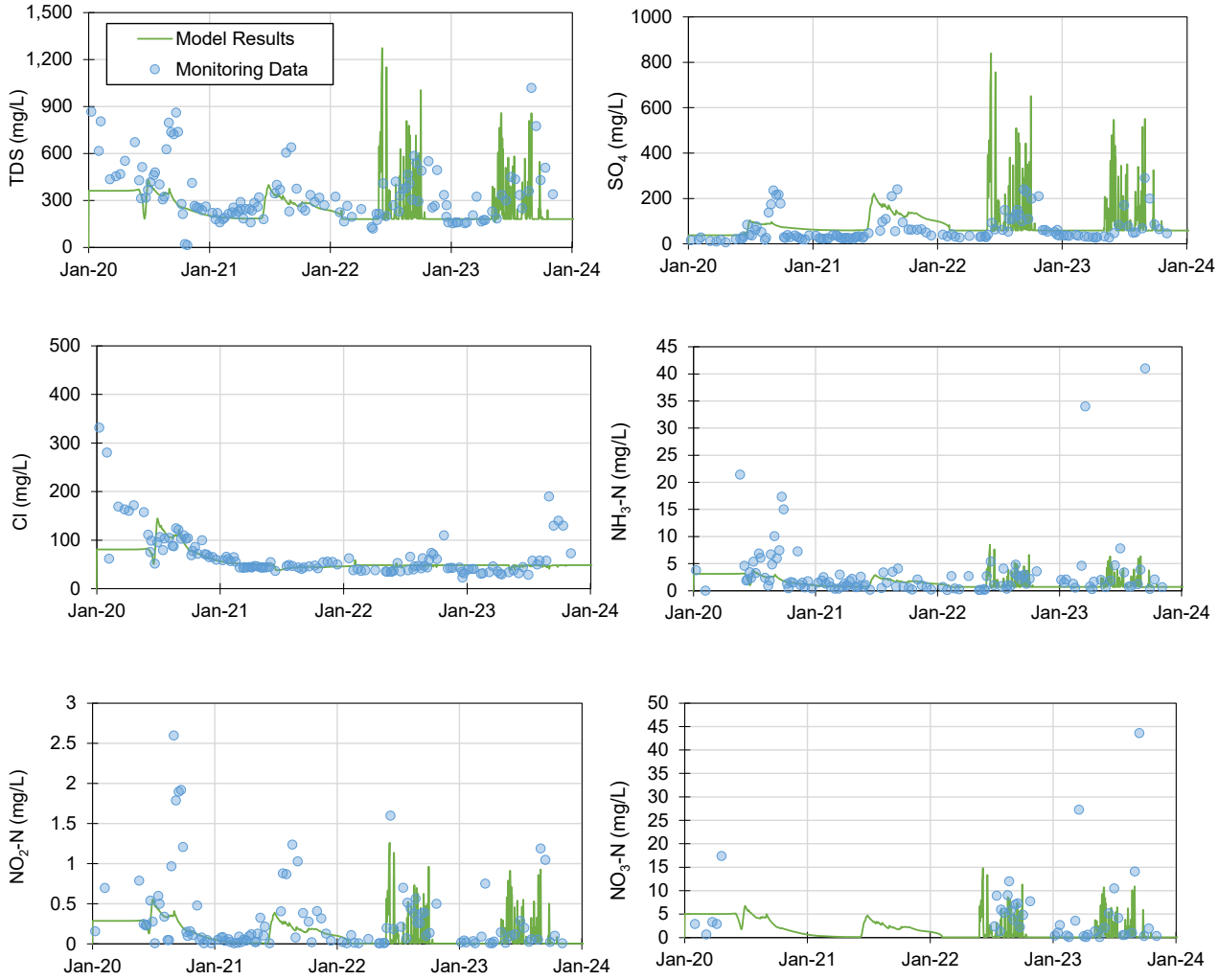



**Figure B-1: Whale Tail Pit water quality model results validated against ST-WT-4 monitoring data – total dissolved solids, sulphate, chloride, ammonia-N, nitrite-N and nitrate-N.**

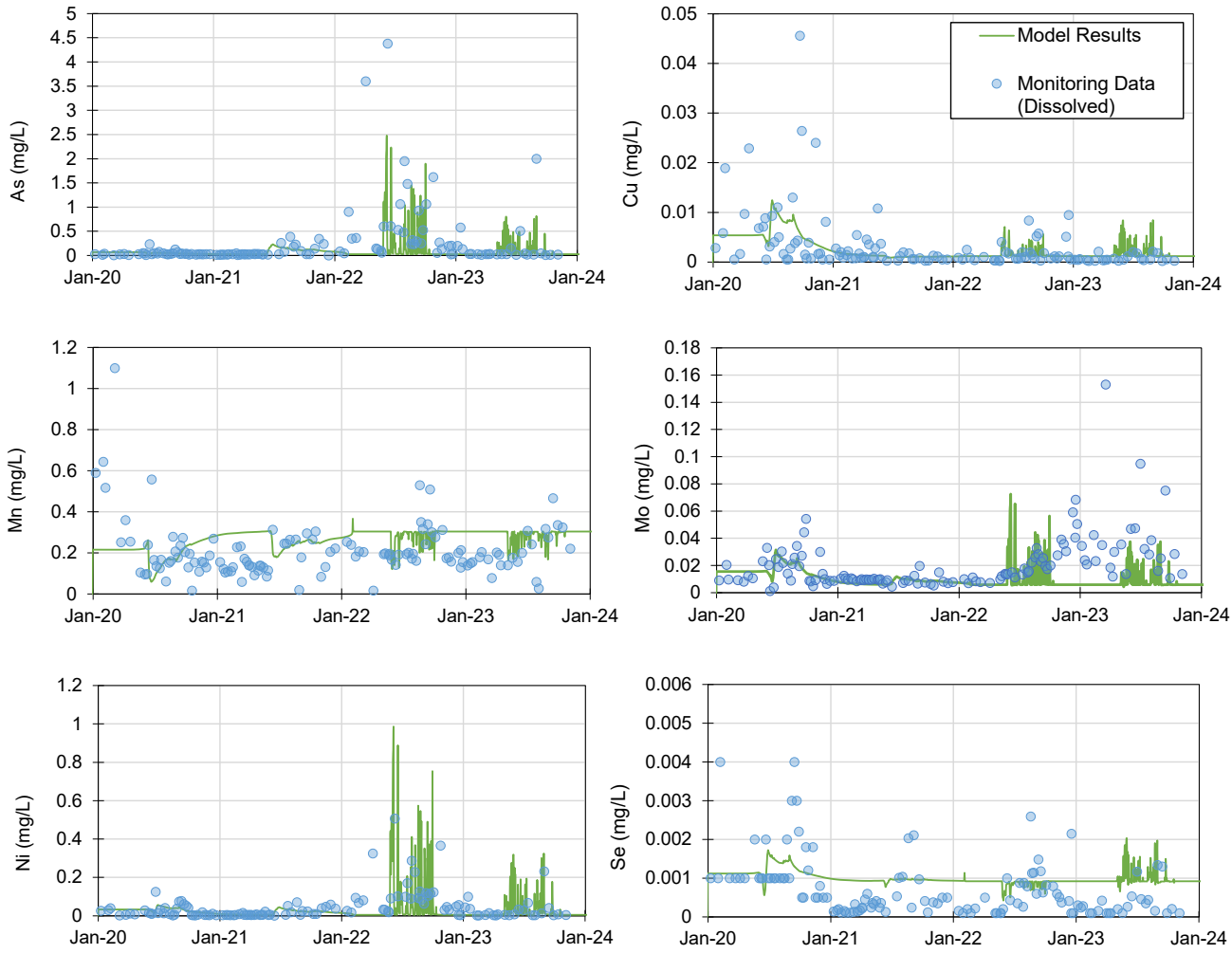



**Figure B-2: Whale Tail Pit water quality model results validated against ST-WT-4 monitoring data – arsenic, copper, manganese, molybdenum, nickel and selenium.**

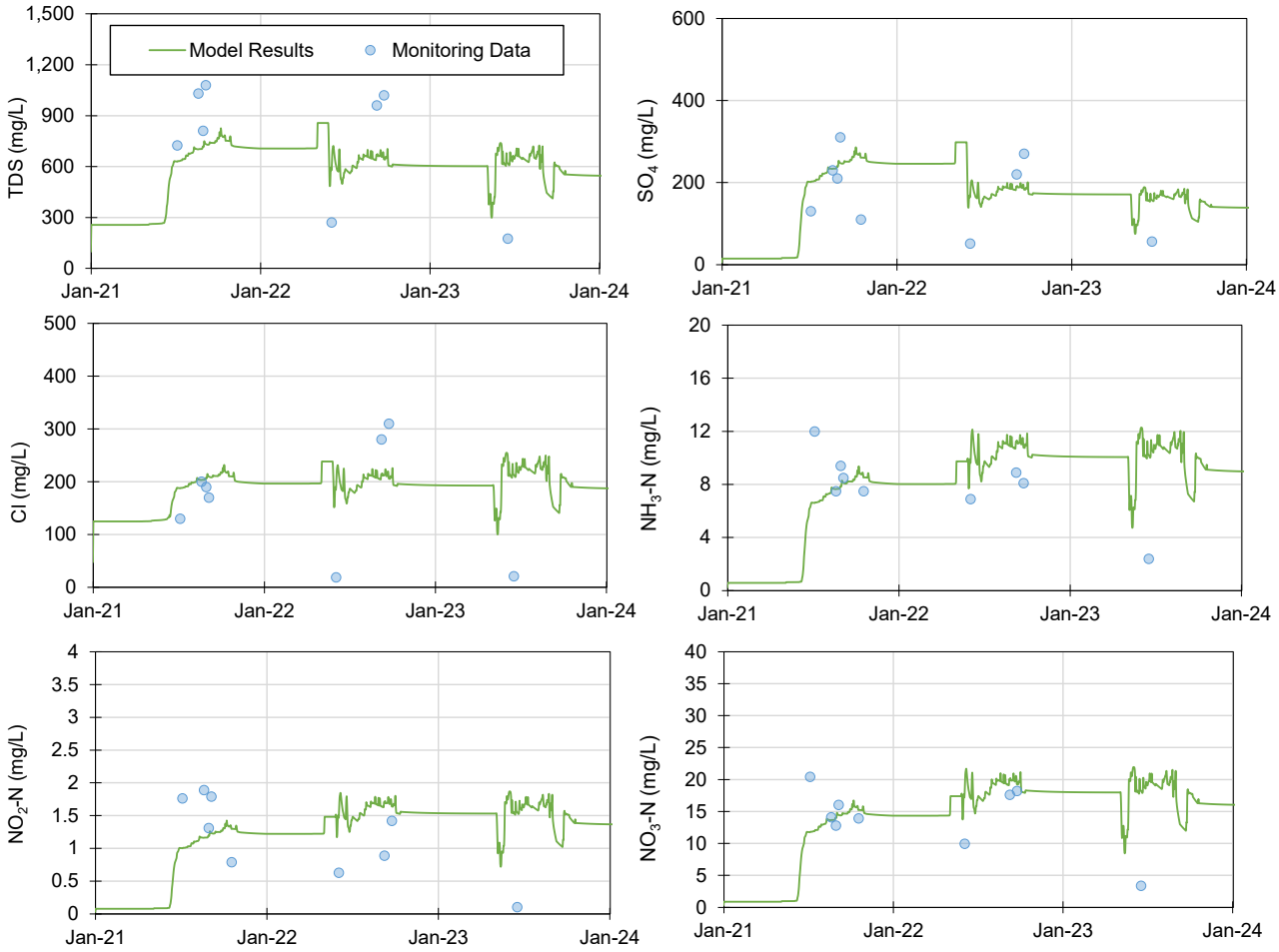



**Figure B-3: IVR Pit water quality model results validated against ST-WT-18 monitoring data – total dissolved solids, sulphate, chloride, ammonia-N, nitrite-N and nitrate-N.**

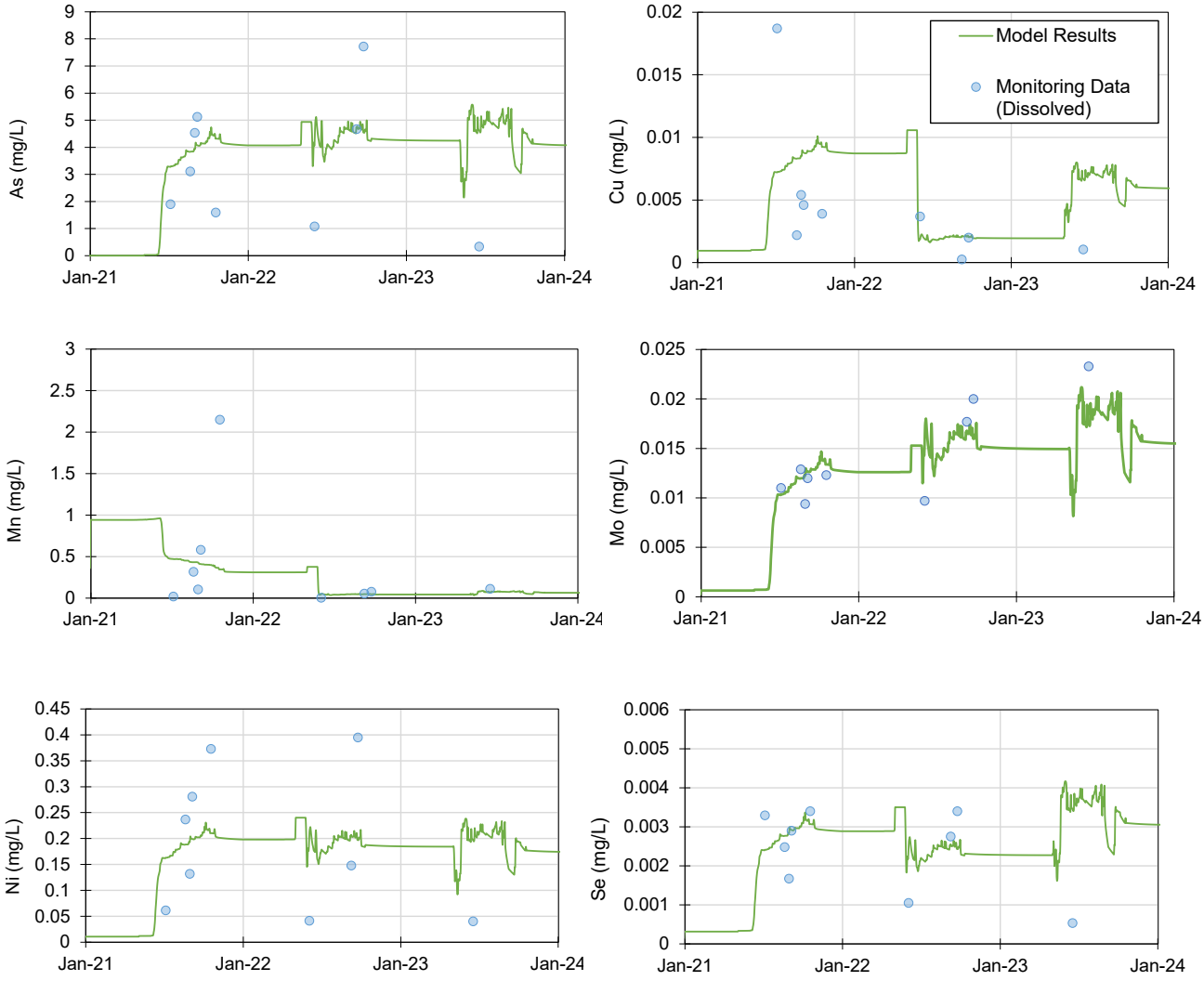



**Figure B-4: IVR Pit water quality model results validated against ST-WT-18 monitoring data – arsenic, copper, manganese, molybdenum, nickel and selenium.**

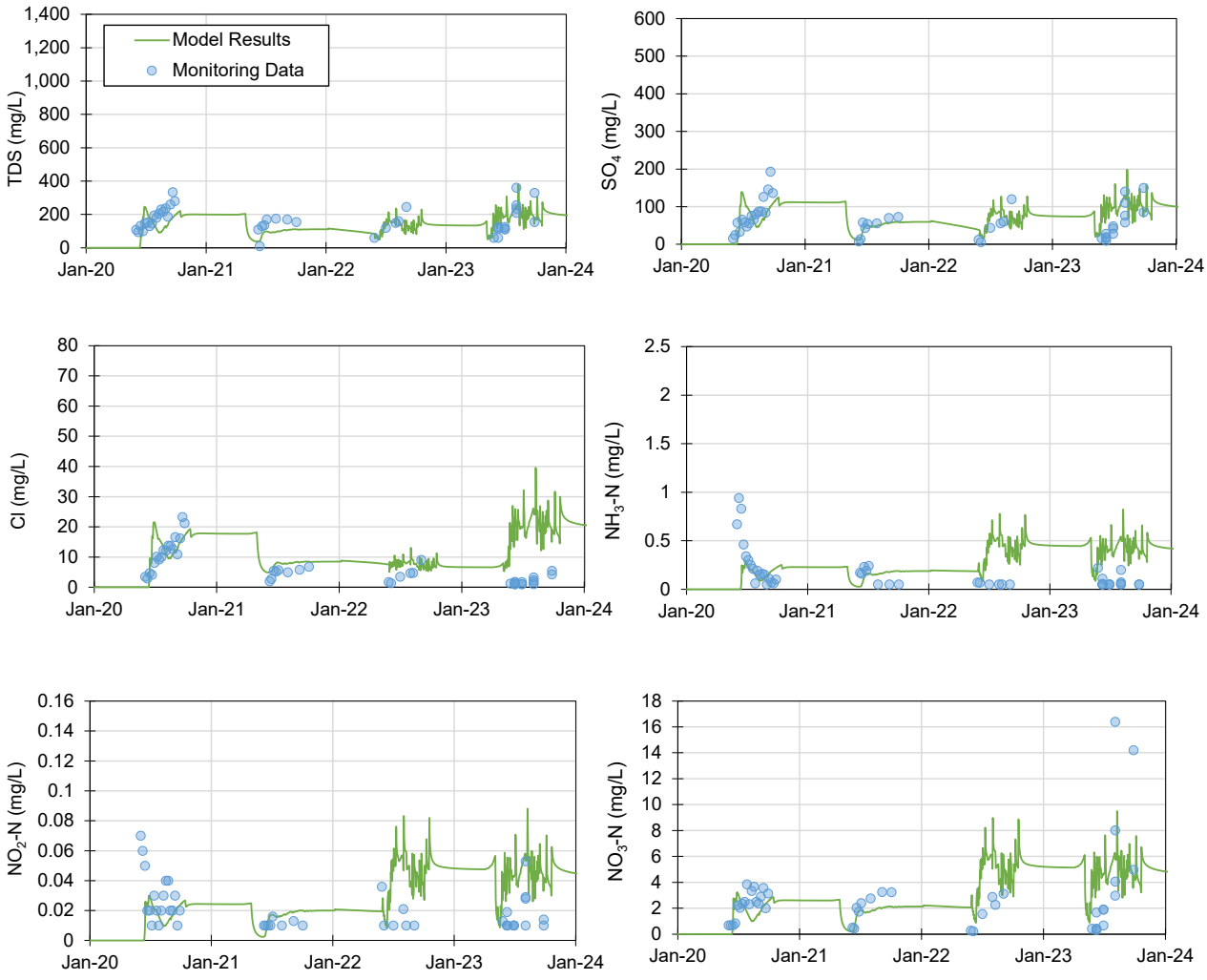



**Figure B-5: Whale Tail WRSF water quality model results validated against ST-WT-3 monitoring data – total dissolved solids, sulphate, chloride, ammonia-N, nitrite-N and nitrate-N.**

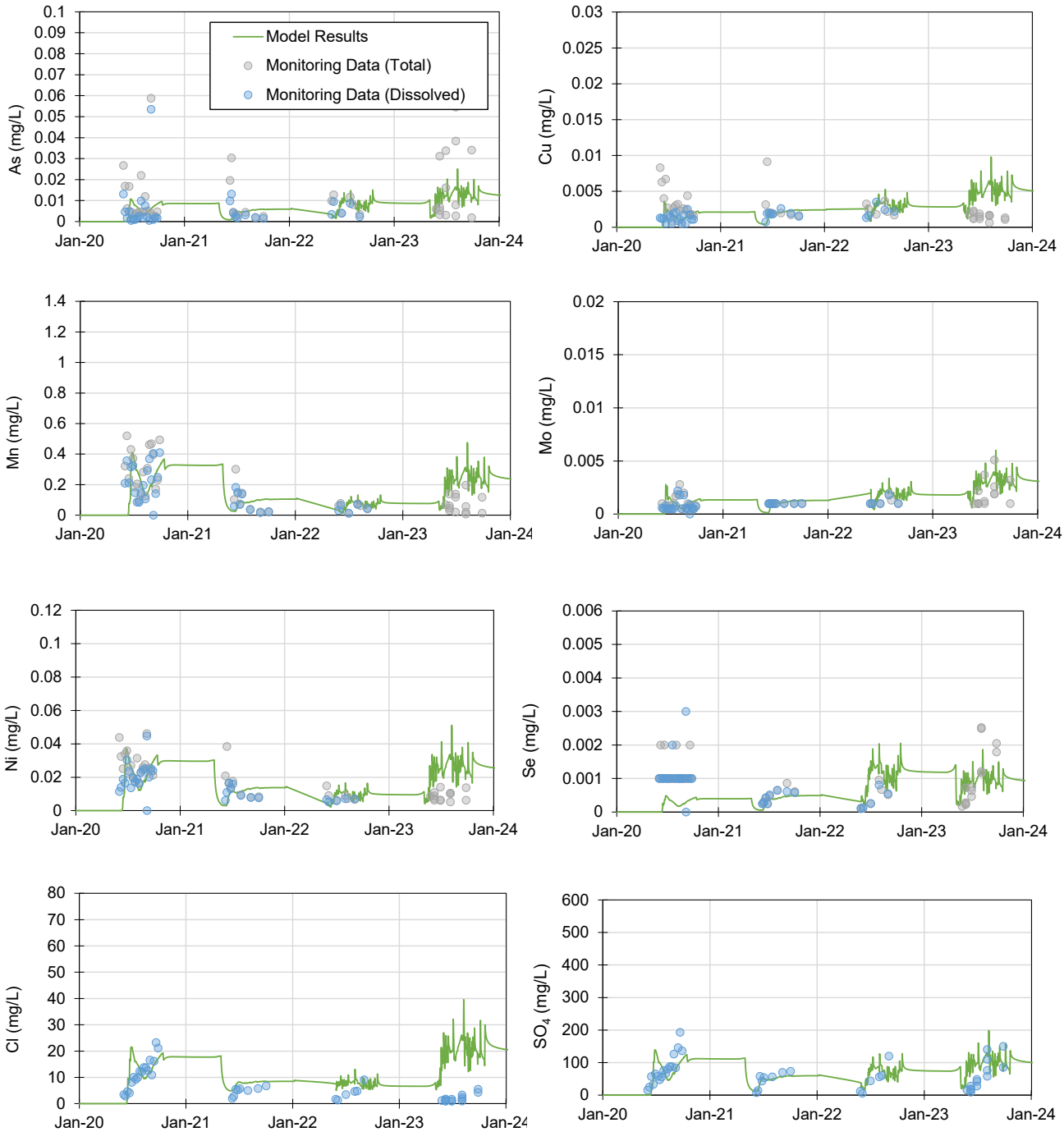



**Figure B-6: Whale Tail WRSF water quality model results validated against ST-WT-3 monitoring data – arsenic, copper, manganese, molybdenum, nickel and selenium.**

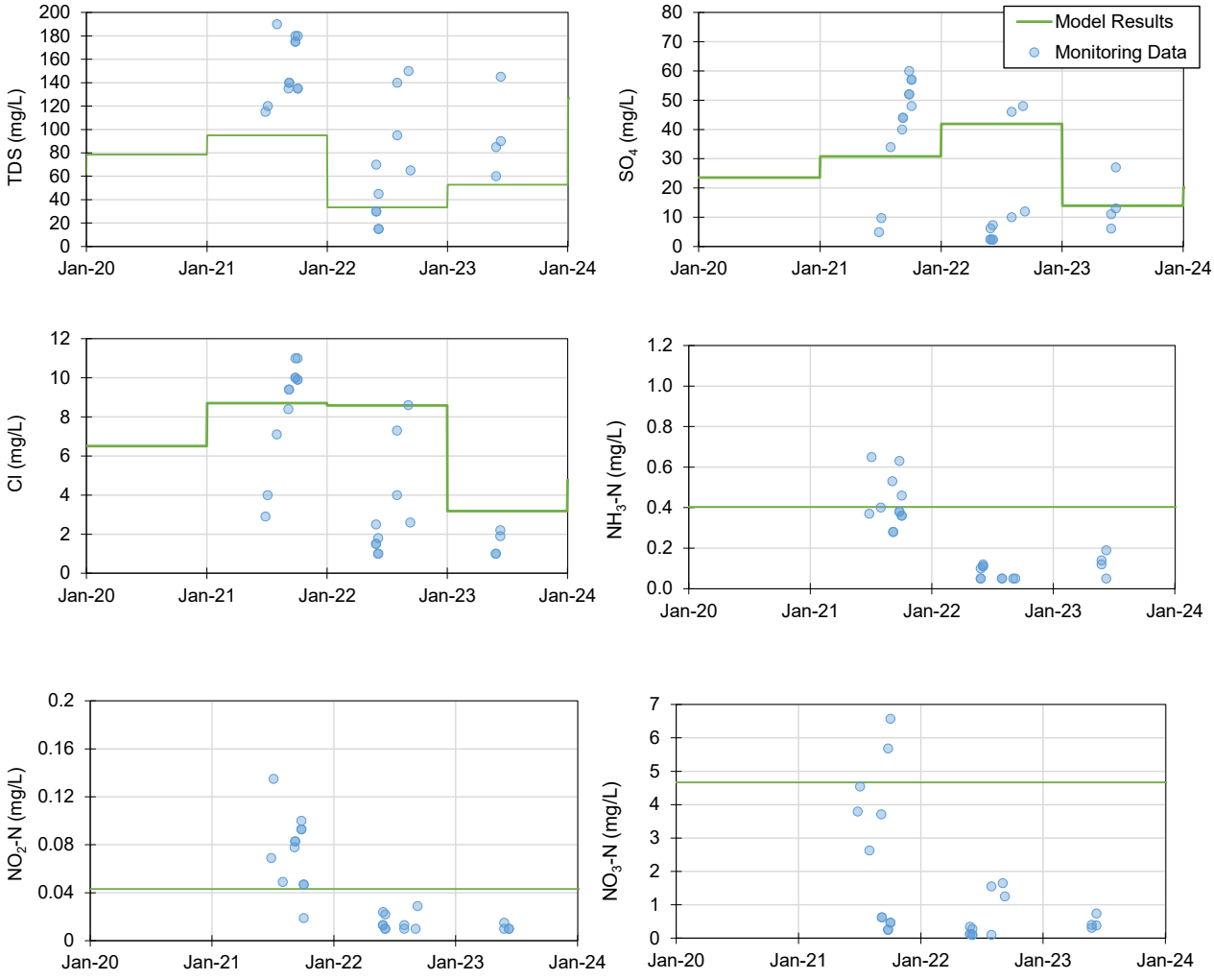



**Figure B-7: IVR WRSF water quality model results validated against ST-WT-35 and ST-WT-36 monitoring data – total dissolved solids, sulphate, chloride, ammonia-N, nitrite-N and nitrate-N.**

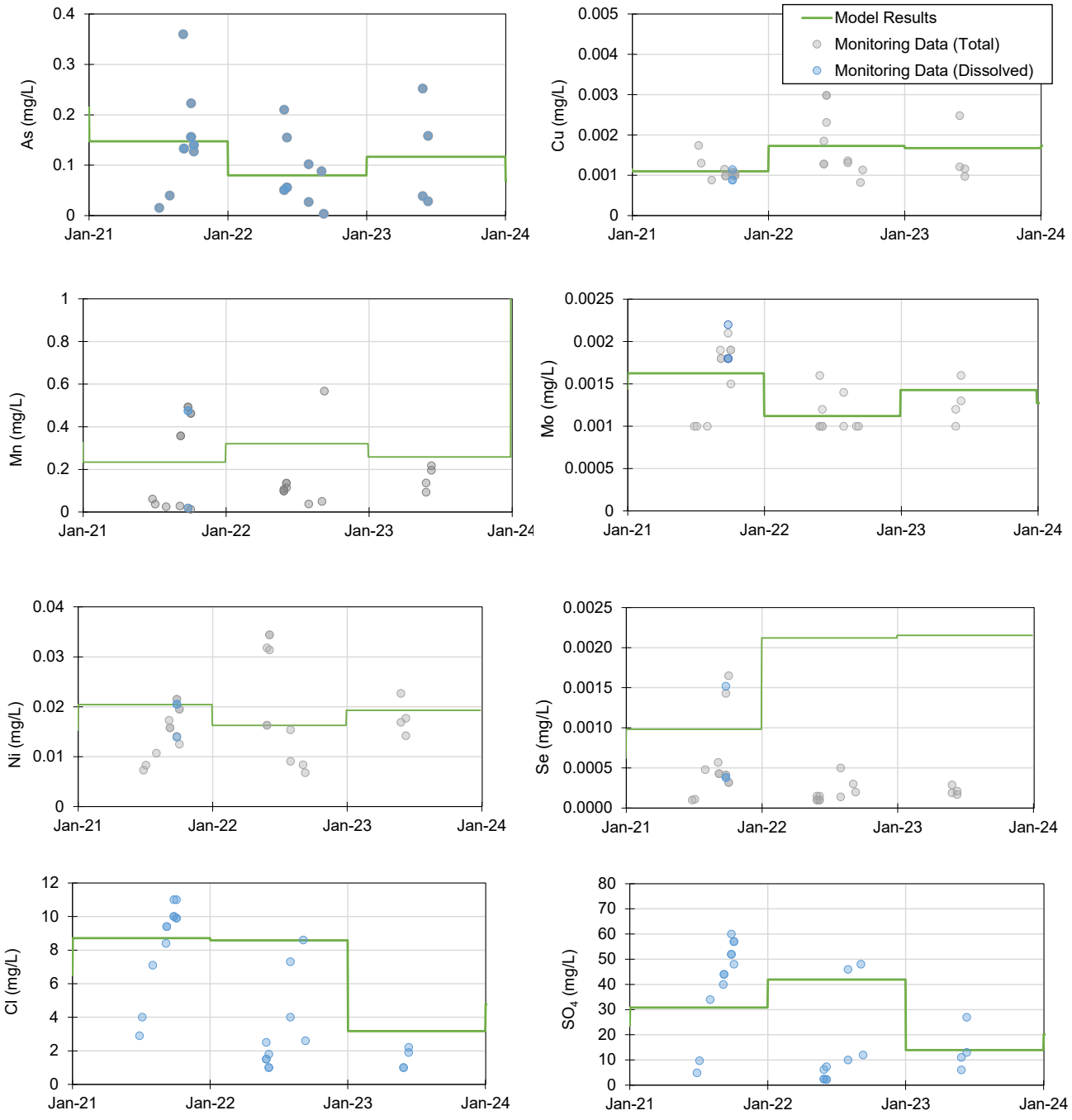



**Figure B-8: IVR WRSF water quality model results validated against ST-WT-35 and ST-WT-36 monitoring data – arsenic, copper, manganese, molybdenum, nickel and selenium.**

# *Appendix D: Water Quality Model Results*

AGNICO EAGLE

**Appendix D1. End of Pipe Discharge to WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 119 | 0.297 | 0.24 | 0.0073 | 30.2 | 0.125 | 37.6 | 0.0000141 | 0.00708 | 0.00198 | 0.0231 | 0.0483 | 0.0000681 | 30.6 | 0.000012 | 0.000425 | 0.00038 | 0.00115 | 0.163 |
| Operation (Jan., 2024 to Jun., 2028): Average | 129 | 0.4 | 0.383 | 0.015 | 31.3 | 0.132 | 43.5 | 0.0000147 | 0.00788 | 0.00346 | 0.0261 | 0.0511 | 0.0000774 | 32.8 | 0.0000133 | 0.000467 | 0.00042 | 0.00123 | 0.205 |
| Operation (Jan., 2024 to Jun., 2028): Max | 168 | 0.906 | 1.31 | 0.071 | 32.6 | 0.142 | 72 | 0.0000156 | 0.0121 | 0.0129 | 0.0285 | 0.0538 | 0.0000817 | 40.5 | 0.0000219 | 0.000516 | 0.00044 | 0.00175 | 0.227 |
| ***NWB Water License/MDMER (End-of-Pipe)*** | ***1400*** | ***16*** | **-** | **-** | **-** | **-** | **-** | **-** | ***0.5*** | ***0.1*** | **-** | **-** | **-** | **-** | ***0.002*** | **-** | ***0.02*** | ***0.1*** | ***1*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 129 | 0.368 | 0.254 | 0.00849 | 32.6 | 0.135 | 41.5 | 0.0000143 | 0.00715 | 0.00257 | 0.0248 | 0.0536 | 0.0000766 | 32.8 | 0.0000123 | 0.000503 | 0.000418 | 0.00117 | 0.227 |
| 2024 Feb | 126 | 0.348 | 0.246 | 0.00768 | 32.2 | 0.133 | 40.5 | 0.0000144 | 0.00711 | 0.0023 | 0.0253 | 0.0526 | 0.0000773 | 32.3 | 0.0000121 | 0.000489 | 0.000421 | 0.00116 | 0.221 |
| 2024 Mar | 125 | 0.345 | 0.241 | 0.00742 | 32.1 | 0.134 | 40 | 0.0000145 | 0.0071 | 0.00223 | 0.0256 | 0.0527 | 0.0000774 | 32.2 | 0.000012 | 0.000489 | 0.00042 | 0.00116 | 0.221 |
| 2024 Apr | 126 | 0.337 | 0.243 | 0.0073 | 32.1 | 0.131 | 40.3 | 0.0000144 | 0.00708 | 0.00217 | 0.0254 | 0.0518 | 0.0000779 | 32 | 0.0000121 | 0.000479 | 0.000423 | 0.00115 | 0.217 |
| 2024 May | 124 | 0.325 | 0.252 | 0.00746 | 31.6 | 0.131 | 39.5 | 0.0000148 | 0.00729 | 0.00212 | 0.0267 | 0.051 | 0.0000796 | 31.7 | 0.0000121 | 0.000464 | 0.000431 | 0.00116 | 0.208 |
| 2024 Jun | | | | | | | | | | | | | | | | | | | |
| 2024 Jul | | | | | | | | | | | | | | | | | | | |
| 2024 Aug | | | | | | | | | | | | | | | | | | | |
| 2024 Sep | | | | | | | | | | | | | | | | | | | |
| 2024 Oct | 147 | 0.633 | 0.824 | 0.0356 | 31.4 | 0.142 | 55.8 | 0.0000156 | 0.0107 | 0.00769 | 0.0245 | 0.0538 | 0.0000714 | 36.7 | 0.000017 | 0.000516 | 0.000393 | 0.00152 | 0.204 |
| 2024 Nov | 137 | 0.494 | 0.556 | 0.0227 | 31.7 | 0.136 | 48.3 | 0.000015 | 0.00918 | 0.00512 | 0.0248 | 0.0524 | 0.0000744 | 34.3 | 0.0000147 | 0.000494 | 0.000408 | 0.00135 | 0.207 |
| 2024 Dec | 128 | 0.388 | 0.334 | 0.012 | 31.9 | 0.134 | 42.4 | 0.0000147 | 0.00771 | 0.00305 | 0.0254 | 0.0524 | 0.0000766 | 32.7 | 0.0000128 | 0.000488 | 0.000417 | 0.00121 | 0.216 |
| 2025 Jan | 126 | 0.354 | 0.269 | 0.00867 | 32 | 0.133 | 40.8 | 0.0000145 | 0.00727 | 0.00244 | 0.0255 | 0.0522 | 0.0000773 | 32.2 | 0.0000123 | 0.000484 | 0.00042 | 0.00117 | 0.217 |
| 2025 Feb | 125 | 0.348 | 0.247 | 0.00768 | 32.1 | 0.134 | 40 | 0.0000145 | 0.00715 | 0.00228 | 0.0257 | 0.0528 | 0.0000773 | 32.2 | 0.000012 | 0.000491 | 0.000419 | 0.00116 | 0.221 |
| 2025 Mar | 126 | 0.339 | 0.246 | 0.00742 | 32.1 | 0.131 | 40.3 | 0.0000144 | 0.00708 | 0.00219 | 0.0253 | 0.0518 | 0.0000777 | 32 | 0.0000121 | 0.00048 | 0.000423 | 0.00115 | 0.217 |
| 2025 Apr | 125 | 0.34 | 0.242 | 0.00731 | 32.1 | 0.133 | 40.1 | 0.0000144 | 0.00708 | 0.00218 | 0.0255 | 0.0522 | 0.0000776 | 32.1 | 0.000012 | 0.000484 | 0.000421 | 0.00115 | 0.219 |
| 2025 May | 124 | 0.334 | 0.249 | 0.00748 | 31.7 | 0.133 | 39.4 | 0.0000148 | 0.00729 | 0.00216 | 0.0269 | 0.052 | 0.0000792 | 31.9 | 0.000012 | 0.000475 | 0.000428 | 0.00117 | 0.214 |
| 2025 Jun | | | | | | | | | | | | | | | | | | | |
| 2025 Jul | | | | | | | | | | | | | | | | | | | |
| 2025 Aug | | | | | | | | | | | | | | | | | | | |
| 2025 Sep | | | | | | | | | | | | | | | | | | | |
| 2025 Oct | 164 | 0.864 | 1.11 | 0.0615 | 31.2 | 0.141 | 68.1 | 0.0000141 | 0.011 | 0.0112 | 0.0231 | 0.0525 | 0.0000681 | 40.2 | 0.0000206 | 0.000486 | 0.00038 | 0.00167 | 0.191 |
| 2025 Nov | 140 | 0.551 | 0.573 | 0.0284 | 31.7 | 0.138 | 50.8 | 0.0000144 | 0.00855 | 0.00561 | 0.0248 | 0.0529 | 0.0000737 | 35.3 | 0.0000153 | 0.000491 | 0.000404 | 0.00136 | 0.211 |
| 2025 Dec | 130 | 0.409 | 0.351 | 0.0142 | 32 | 0.134 | 43.6 | 0.0000144 | 0.00757 | 0.00331 | 0.0252 | 0.0524 | 0.0000763 | 33.1 | 0.0000131 | 0.000486 | 0.000416 | 0.00122 | 0.216 |
| 2026 Jan | 127 | 0.365 | 0.274 | 0.00947 | 32 | 0.134 | 41 | 0.0000145 | 0.00724 | 0.00255 | 0.0256 | 0.0527 | 0.000077 | 32.5 | 0.0000123 | 0.00049 | 0.000418 | 0.00118 | 0.22 |
| 2026 Feb | 126 | 0.347 | 0.253 | 0.00801 | 32.1 | 0.132 | 40.4 | 0.0000144 | 0.00713 | 0.00229 | 0.0255 | 0.0522 | 0.0000775 | 32.2 | 0.0000121 | 0.000484 | 0.000421 | 0.00116 | 0.218 |
| 2026 Mar | 126 | 0.339 | 0.246 | 0.0075 | 32.1 | 0.131 | 40.4 | 0.0000144 | 0.00708 | 0.00219 | 0.0254 | 0.0518 | 0.0000778 | 32 | 0.0000121 | 0.000479 | 0.000423 | 0.00115 | 0.216 |
| 2026 Apr | 125 | 0.344 | 0.24 | 0.00735 | 32.1 | 0.134 | 39.9 | 0.0000145 | 0.0071 | 0.00221 | 0.0257 | 0.0527 | 0.0000775 | 32.2 | 0.000012 | 0.00049 | 0.00042 | 0.00116 | 0.221 |
| 2026 May | 123 | 0.334 | 0.248 | 0.00749 | 31.6 | 0.133 | 39.1 | 0.0000149 | 0.0073 | 0.00216 | 0.027 | 0.052 | 0.0000791 | 31.8 | 0.000012 | 0.000475 | 0.000427 | 0.00117 | 0.214 |
| 2026 Jun | | | | | | | | | | | | | | | | | | | |
| 2026 Jul | | | | | | | | | | | | | | | | | | | |
| 2026 Aug | | | | | | | | | | | | | | | | | | | |
| 2026 Sep | | | | | | | | | | | | | | | | | | | |
| 2026 Oct | 143 | 0.536 | 0.721 | 0.03 | 30.8 | 0.131 | 54.4 | 0.0000147 | 0.00889 | 0.00694 | 0.0266 | 0.0497 | 0.000077 | 35.7 | 0.0000168 | 0.000437 | 0.000418 | 0.00142 | 0.186 |
| 2026 Nov | 128 | 0.4 | 0.436 | 0.0163 | 30.6 | 0.13 | 44.1 | 0.0000149 | 0.00799 | 0.00393 | 0.0274 | 0.0498 | 0.0000787 | 32.7 | 0.0000137 | 0.000443 | 0.000425 | 0.00126 | 0.194 |
| 2026 Dec | 124 | 0.338 | 0.334 | 0.011 | 30.6 | 0.125 | 41 | 0.0000148 | 0.0076 | 0.00276 | 0.0271 | 0.0484 | 0.0000799 | 31.4 | 0.0000129 | 0.00043 | 0.000433 | 0.00119 | 0.19 |
| 2027 Jan | 121 | 0.322 | 0.278 | 0.00855 | 30.6 | 0.128 | 38.8 | 0.0000149 | 0.00745 | 0.00227 | 0.0276 | 0.0496 | 0.0000797 | 31.1 | 0.0000121 | 0.000444 | 0.00043 | 0.00117 | 0.198 |
| 2027 Feb | 121 | 0.313 | 0.265 | 0.00786 | 30.7 | 0.127 | 38.8 | 0.0000148 | 0.00736 | 0.00211 | 0.0272 | 0.0492 | 0.0000798 | 31 | 0.0000121 | 0.00044 | 0.000431 | 0.00115 | 0.197 |
| 2027 Mar | 121 | 0.311 | 0.259 | 0.00758 | 30.8 | 0.127 | 38.6 | 0.0000148 | 0.00734 | 0.00206 | 0.0272 | 0.0493 | 0.0000798 | 30.9 | 0.0000121 | 0.000442 | 0.000431 | 0.00115 | 0.197 |
| 2027 Apr | 121 | 0.314 | 0.256 | 0.00752 | 30.8 | 0.129 | 38.3 | 0.0000149 | 0.00735 | 0.00207 | 0.0274 | 0.0499 | 0.0000797 | 31 | 0.000012 | 0.000448 | 0.00043 | 0.00116 | 0.2 |
| 2027 May | 120 | 0.297 | 0.267 | 0.00763 | 30.4 | 0.125 | 38.1 | 0.0000151 | 0.00752 | 0.00198 | 0.0283 | 0.0483 | 0.0000817 | 30.6 | 0.0000121 | 0.000425 | 0.00044 | 0.00116 | 0.189 |
| 2027 Jun | | | | | | | | | | | | | | | | | | | |
| 2027 Jul | | | | | | | | | | | | | | | | | | | |
| 2027 Aug | | | | | | | | | | | | | | | | | | | |
| 2027 Sep | | | | | | | | | | | | | | | | | | | |
| 2027 Oct | 168 | 0.906 | 1.31 | 0.071 | 30.2 | 0.135 | 72 | 0.0000143 | 0.0121 | 0.0129 | 0.0235 | 0.049 | 0.0000686 | 40.5 | 0.0000219 | 0.00044 | 0.000383 | 0.00175 | 0.163 |
| 2027 Nov | 142 | 0.569 | 0.739 | 0.0348 | 30.3 | 0.134 | 53.7 | 0.0000152 | 0.01 | 0.00654 | 0.0259 | 0.0499 | 0.0000743 | 35.3 | 0.0000164 | 0.000462 | 0.000406 | 0.00144 | 0.185 |
| 2027 Dec | 129 | 0.405 | 0.441 | 0.0175 | 30.6 | 0.13 | 44.3 | 0.000015 | 0.00845 | 0.0037 | 0.0267 | 0.0495 | 0.0000777 | 32.6 | 0.0000136 | 0.000451 | 0.000422 | 0.00126 | 0.192 |
| 2028 Jan | 123 | 0.34 | 0.316 | 0.0107 | 30.7 | 0.128 | 40.4 | 0.0000149 | 0.00769 | 0.00257 | 0.027 | 0.0493 | 0.0000791 | 31.4 | 0.0000125 | 0.000445 | 0.000428 | 0.00118 | 0.196 |
| 2028 Feb | 121 | 0.324 | 0.274 | 0.00854 | 30.7 | 0.129 | 38.8 | 0.0000149 | 0.00747 | 0.00223 | 0.0274 | 0.0499 | 0.0000794 | 31.2 | 0.0000121 | 0.000449 | 0.000428 | 0.00117 | 0.2 |
| 2028 Mar | 121 | 0.313 | 0.264 | 0.00785 | 30.8 | 0.127 | 38.8 | 0.0000148 | 0.00737 | 0.0021 | 0.0271 | 0.0493 | 0.0000798 | 31 | 0.0000121 | 0.000442 | 0.000431 | 0.00115 | 0.197 |
| 2028 Apr | 121 | 0.307 | 0.26 | 0.00757 | 30.8 | 0.126 | 38.9 | 0.0000148 | 0.00732 | 0.00203 | 0.027 | 0.0488 | 0.00008 | 30.9 | 0.0000121 | 0.000437 | 0.000433 | 0.00115 | 0.195 |
| 2028 May | 119 | 0.304 | 0.264 | 0.00769 | 30.3 | 0.128 | 37.6 | 0.0000152 | 0.00754 | 0.00202 | 0.0285 | 0.0491 | 0.0000812 | 30.7 | 0.000012 | 0.000434 | 0.000436 | 0.00117 | 0.193 |

**Appendix D1. End of Pipe Discharge to WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000774 | 5.45 | 0.00395 | 6.17 | 0.182 | 0.00316 | 4.35 | 0.00416 | 0.00839 | 0.000156 | 0.00087 | 0.000516 | 0.191 | 0.00000665 | 0.00103 | 0.00217 | 0.00332 | 0.0161 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000798 | 5.92 | 0.00446 | 6.7 | 0.196 | 0.0036 | 4.69 | 0.00703 | 0.0097 | 0.000168 | 0.000945 | 0.000558 | 0.224 | 0.00000698 | 0.0011 | 0.00245 | 0.00352 | 0.0207 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000847 | 6.17 | 0.00468 | 8.37 | 0.23 | 0.00515 | 4.91 | 0.0253 | 0.0102 | 0.000177 | 0.00121 | 0.000617 | 0.232 | 0.0000082 | 0.00114 | 0.0027 | 0.00367 | 0.0231 |
| ***NWB Water License/MDMER (End-of-Pipe)*** | ***0.004*** | **-** | **-** | **-** | **-** | **-** | **-** | ***0.25*** | ***0.3*** | ***0.05*** | **-** | **-** | **-** | **-** | **-** | **-** | ***0.1*** | ***0.37*** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000774 | 6.17 | 0.00468 | 6.76 | 0.199 | 0.00357 | 4.91 | 0.005 | 0.0102 | 0.000165 | 0.000982 | 0.00058 | 0.227 | 0.00000669 | 0.00114 | 0.00231 | 0.00346 | 0.0231 |
| 2024 Feb | 0.00000778 | 6.08 | 0.00462 | 6.63 | 0.195 | 0.00347 | 4.84 | 0.00461 | 0.0101 | 0.000167 | 0.000955 | 0.000569 | 0.227 | 0.0000067 | 0.00113 | 0.00236 | 0.00348 | 0.0225 |
| 2024 Mar | 0.00000777 | 6.09 | 0.0046 | 6.61 | 0.195 | 0.00347 | 4.85 | 0.00435 | 0.0101 | 0.000166 | 0.000955 | 0.000561 | 0.228 | 0.00000677 | 0.00113 | 0.0024 | 0.00351 | 0.0225 |
| 2024 Apr | 0.00000782 | 6.01 | 0.0046 | 6.55 | 0.193 | 0.00341 | 4.77 | 0.00452 | 0.00999 | 0.000169 | 0.000937 | 0.000567 | 0.226 | 0.00000666 | 0.00112 | 0.00237 | 0.00347 | 0.022 |
| 2024 May | 0.00000799 | 5.95 | 0.00453 | 6.45 | 0.19 | 0.00335 | 4.72 | 0.00441 | 0.00983 | 0.000171 | 0.000922 | 0.000551 | 0.229 | 0.00000685 | 0.00112 | 0.00251 | 0.00356 | 0.0211 |
| 2024 Jun | | | | | | | | | | | | | | | | | | |
| 2024 Jul | | | | | | | | | | | | | | | | | | |
| 2024 Aug | | | | | | | | | | | | | | | | | | |
| 2024 Sep | | | | | | | | | | | | | | | | | | |
| 2024 Oct | 0.00000831 | 6.16 | 0.00437 | 7.57 | 0.224 | 0.00451 | 4.76 | 0.0154 | 0.00969 | 0.000156 | 0.00121 | 0.000599 | 0.213 | 0.0000082 | 0.00111 | 0.00235 | 0.00351 | 0.0206 |
| 2024 Nov | 0.00000813 | 6.04 | 0.00447 | 7.04 | 0.209 | 0.00394 | 4.72 | 0.0103 | 0.00975 | 0.000164 | 0.00108 | 0.000585 | 0.217 | 0.00000746 | 0.00111 | 0.00234 | 0.00347 | 0.0209 |
| 2024 Dec | 0.00000789 | 6.06 | 0.00455 | 6.72 | 0.199 | 0.0036 | 4.79 | 0.00612 | 0.00998 | 0.000166 | 0.000985 | 0.000567 | 0.225 | 0.00000697 | 0.00112 | 0.00238 | 0.0035 | 0.0219 |
| 2025 Jan | 0.00000782 | 6.04 | 0.00458 | 6.61 | 0.195 | 0.00348 | 4.8 | 0.00493 | 0.01 | 0.000167 | 0.000955 | 0.000565 | 0.226 | 0.00000678 | 0.00112 | 0.00238 | 0.00349 | 0.0221 |
| 2025 Feb | 0.00000777 | 6.11 | 0.00459 | 6.62 | 0.195 | 0.00349 | 4.86 | 0.00439 | 0.0101 | 0.000166 | 0.00096 | 0.000559 | 0.228 | 0.00000681 | 0.00113 | 0.00241 | 0.00352 | 0.0225 |
| 2025 Mar | 0.00000781 | 6.01 | 0.0046 | 6.56 | 0.193 | 0.00341 | 4.77 | 0.00456 | 0.00999 | 0.000169 | 0.000938 | 0.000567 | 0.226 | 0.00000665 | 0.00112 | 0.00236 | 0.00346 | 0.022 |
| 2025 Apr | 0.00000779 | 6.05 | 0.0046 | 6.58 | 0.194 | 0.00344 | 4.81 | 0.00442 | 0.0101 | 0.000167 | 0.000946 | 0.000564 | 0.227 | 0.00000671 | 0.00113 | 0.00238 | 0.00349 | 0.0222 |
| 2025 May | 0.00000795 | 6.05 | 0.00455 | 6.52 | 0.192 | 0.00342 | 4.8 | 0.00424 | 0.00999 | 0.000169 | 0.000941 | 0.000548 | 0.231 | 0.00000694 | 0.00112 | 0.00252 | 0.0036 | 0.0216 |
| 2025 Jun | | | | | | | | | | | | | | | | | | |
| 2025 Jul | | | | | | | | | | | | | | | | | | |
| 2025 Aug | | | | | | | | | | | | | | | | | | |
| 2025 Sep | | | | | | | | | | | | | | | | | | |
| 2025 Oct | 0.00000811 | 5.83 | 0.00417 | 8.37 | 0.23 | 0.00515 | 4.65 | 0.0224 | 0.00918 | 0.00016 | 0.00102 | 0.000617 | 0.2 | 0.0000075 | 0.00106 | 0.00217 | 0.00337 | 0.0191 |
| 2025 Nov | 0.00000788 | 6.02 | 0.00443 | 7.31 | 0.211 | 0.00414 | 4.79 | 0.0113 | 0.0098 | 0.000163 | 0.000986 | 0.000579 | 0.218 | 0.00000709 | 0.0011 | 0.00232 | 0.00347 | 0.0213 |
| 2025 Dec | 0.00000782 | 6.03 | 0.00454 | 6.81 | 0.199 | 0.00366 | 4.8 | 0.00669 | 0.00996 | 0.000166 | 0.000957 | 0.000569 | 0.224 | 0.00000683 | 0.00112 | 0.00236 | 0.00348 | 0.0219 |
| 2026 Jan | 0.00000778 | 6.09 | 0.00458 | 6.68 | 0.196 | 0.00354 | 4.85 | 0.00499 | 0.0101 | 0.000166 | 0.000958 | 0.000561 | 0.227 | 0.00000681 | 0.00113 | 0.00239 | 0.00351 | 0.0224 |
| 2026 Feb | 0.00000779 | 6.04 | 0.00459 | 6.59 | 0.194 | 0.00345 | 4.8 | 0.00464 | 0.01 | 0.000167 | 0.000945 | 0.000564 | 0.226 | 0.00000672 | 0.00113 | 0.00238 | 0.00348 | 0.0222 |
| 2026 Mar | 0.00000781 | 6 | 0.0046 | 6.56 | 0.193 | 0.00341 | 4.77 | 0.00458 | 0.00998 | 0.000169 | 0.000937 | 0.000567 | 0.226 | 0.00000665 | 0.00112 | 0.00236 | 0.00346 | 0.022 |
| 2026 Apr | 0.00000778 | 6.1 | 0.0046 | 6.61 | 0.195 | 0.00347 | 4.86 | 0.0043 | 0.0101 | 0.000166 | 0.000955 | 0.00056 | 0.229 | 0.00000678 | 0.00113 | 0.0024 | 0.00352 | 0.0225 |
| 2026 May | 0.00000794 | 6.05 | 0.00454 | 6.51 | 0.192 | 0.00342 | 4.81 | 0.00418 | 0.00999 | 0.000169 | 0.000942 | 0.000544 | 0.232 | 0.00000697 | 0.00112 | 0.00254 | 0.00361 | 0.0216 |
| 2026 Jun | | | | | | | | | | | | | | | | | | |
| 2026 Jul | | | | | | | | | | | | | | | | | | |
| 2026 Aug | | | | | | | | | | | | | | | | | | |
| 2026 Sep | | | | | | | | | | | | | | | | | | |
| 2026 Oct | 0.00000819 | 5.7 | 0.00426 | 7.27 | 0.192 | 0.00418 | 4.57 | 0.0139 | 0.00915 | 0.000167 | 0.000937 | 0.000574 | 0.218 | 0.00000714 | 0.00108 | 0.00252 | 0.00353 | 0.0186 |
| 2026 Nov | 0.00000808 | 5.79 | 0.00433 | 6.66 | 0.188 | 0.00363 | 4.61 | 0.00787 | 0.00942 | 0.000169 | 0.000916 | 0.000539 | 0.225 | 0.00000709 | 0.00109 | 0.0026 | 0.0036 | 0.0195 |
| 2026 Dec | 0.0000081 | 5.68 | 0.00437 | 6.35 | 0.184 | 0.00332 | 4.49 | 0.00599 | 0.00932 | 0.000174 | 0.000879 | 0.000541 | 0.224 | 0.00000684 | 0.00108 | 0.00255 | 0.00353 | 0.0191 |
| 2027 Jan | 0.00000802 | 5.81 | 0.00439 | 6.31 | 0.185 | 0.0033 | 4.6 | 0.00464 | 0.00954 | 0.000171 | 0.000898 | 0.000527 | 0.228 | 0.00000696 | 0.00109 | 0.0026 | 0.0036 | 0.0199 |
| 2027 Feb | 0.00000802 | 5.77 | 0.00441 | 6.27 | 0.185 | 0.00324 | 4.56 | 0.00453 | 0.0095 | 0.000173 | 0.000889 | 0.000534 | 0.226 | 0.00000685 | 0.00109 | 0.00256 | 0.00356 | 0.0198 |
| 2027 Mar | 0.00000802 | 5.78 | 0.00442 | 6.27 | 0.185 | 0.00324 | 4.57 | 0.00442 | 0.00952 | 0.000173 | 0.00089 | 0.000535 | 0.227 | 0.00000684 | 0.00109 | 0.00255 | 0.00356 | 0.0199 |
| 2027 Apr | 0.000008 | 5.85 | 0.00442 | 6.3 | 0.186 | 0.00328 | 4.63 | 0.00424 | 0.00961 | 0.000171 | 0.000902 | 0.00053 | 0.229 | 0.00000693 | 0.0011 | 0.00258 | 0.0036 | 0.0202 |
| 2027 May | 0.0000082 | 5.71 | 0.00437 | 6.17 | 0.182 | 0.00316 | 4.5 | 0.00438 | 0.00935 | 0.000177 | 0.00087 | 0.000524 | 0.229 | 0.00000698 | 0.00109 | 0.00267 | 0.00363 | 0.0189 |
| 2027 Jun | | | | | | | | | | | | | | | | | | |
| 2027 Jul | | | | | | | | | | | | | | | | | | |
| 2027 Aug | | | | | | | | | | | | | | | | | | |
| 2027 Sep | | | | | | | | | | | | | | | | | | |
| 2027 Oct | 0.00000847 | 5.45 | 0.00395 | 8.29 | 0.227 | 0.00513 | 4.35 | 0.0253 | 0.00839 | 0.000157 | 0.000973 | 0.000617 | 0.191 | 0.00000761 | 0.00103 | 0.00222 | 0.00332 | 0.0161 |
| 2027 Nov | 0.00000834 | 5.83 | 0.00421 | 7.22 | 0.22 | 0.0041 | 4.51 | 0.0135 | 0.00912 | 0.000164 | 0.000975 | 0.000566 | 0.213 | 0.00000762 | 0.00108 | 0.00244 | 0.00352 | 0.0185 |
| 2027 Dec | 0.00000816 | 5.82 | 0.00434 | 6.62 | 0.199 | 0.00355 | 4.55 | 0.00777 | 0.00937 | 0.00017 | 0.000927 | 0.000547 | 0.221 | 0.00000717 | 0.00109 | 0.00251 | 0.00355 | 0.0193 |
| 2028 Jan | 0.00000806 | 5.79 | 0.00439 | 6.38 | 0.189 | 0.00333 | 4.56 | 0.00546 | 0.00947 | 0.000172 | 0.000902 | 0.000538 | 0.225 | 0.00000695 | 0.00109 | 0.00254 | 0.00355 | 0.0197 |
| 2028 Feb | 0.00000801 | 5.84 | 0.00441 | 6.33 | 0.187 | 0.0033 | 4.62 | 0.00457 | 0.00959 | 0.000171 | 0.000905 | 0.00053 | 0.228 | 0.00000696 | 0.00109 | 0.00258 | 0.00359 | 0.0201 |
| 2028 Mar | 0.00000802 | 5.78 | 0.00442 | 6.28 | 0.185 | 0.00324 | 4.57 | 0.00451 | 0.00951 | 0.000173 | 0.000891 | 0.000535 | 0.226 | 0.00000685 | 0.00109 | 0.00255 | 0.00356 | 0.0199 |
| 2028 Apr | 0.00000804 | 5.74 | 0.00442 | 6.24 | 0.184 | 0.00321 | 4.53 | 0.00454 | 0.00946 | 0.000174 | 0.000881 | 0.00054 | 0.225 | 0.00000677 | 0.00109 | 0.00253 | 0.00353 | 0.0197 |
| 2028 May | 0.00000815 | 5.79 | 0.00436 | 6.2 | 0.183 | 0.00322 | 4.57 | 0.00416 | 0.00946 | 0.000174 | 0.000886 | 0.000516 | 0.231 | 0.00000709 | 0.00109 | 0.0027 | 0.00367 | 0.0194 |

**Appendix D2. End of Pipe Discharge to Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 123 | 0.257 | 0.273 | 0.00726 | 26.7 | 0.11 | 40.6 | 0.0000141 | 0.00723 | 0.00173 | 0.0189 | 0.0432 | 0.0000442 | 30 | 0.000013 | 0.000366 | 0.000266 | 0.00112 | 0.0795 |
| Operation (Jan., 2024 to Jun., 2028): Average | 198 | 1.12 | 2.03 | 0.101 | 32 | 0.142 | 91.3 | 0.0000164 | 0.0184 | 0.0236 | 0.0217 | 0.0496 | 0.0000646 | 46.3 | 0.0000273 | 0.000464 | 0.000367 | 0.00221 | 0.135 |
| Operation (Jan., 2024 to Jun., 2028): Max | 265 | 1.75 | 3.33 | 0.185 | 35.4 | 0.175 | 134 | 0.0000224 | 0.0411 | 0.0379 | 0.0264 | 0.0536 | 0.0000841 | 61.1 | 0.0000396 | 0.000606 | 0.000461 | 0.00299 | 0.184 |
| ***NWB Water License/MDMER (End-of-Pipe)*** | ***1400*** | ***16*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***0.5*** | ***0.1*** | ***-*** | ***-*** | ***-*** | ***-*** | ***0.002*** | ***-*** | ***0.02*** | ***0.1*** | ***1*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | | | | | | | | | | | | | | | | | | | |
| 2024 Feb | | | | | | | | | | | | | | | | | | | |
| 2024 Mar | | | | | | | | | | | | | | | | | | | |
| 2024 Apr | | | | | | | | | | | | | | | | | | | |
| 2024 May | 143 | 0.673 | 1.17 | 0.0547 | 30.6 | 0.137 | 53.9 | 0.0000168 | 0.018 | 0.0139 | 0.023 | 0.0482 | 0.0000699 | 34.5 | 0.0000167 | 0.000461 | 0.000388 | 0.00177 | 0.155 |
| 2024 Jun | 225 | 1.64 | 2.81 | 0.171 | 32.2 | 0.151 | 108 | 0.0000157 | 0.0203 | 0.0373 | 0.0206 | 0.0523 | 0.0000569 | 52.4 | 0.0000332 | 0.000452 | 0.000331 | 0.00268 | 0.116 |
| 2024 Jul | 211 | 1.28 | 2.25 | 0.12 | 32.7 | 0.141 | 99.3 | 0.0000156 | 0.0159 | 0.0275 | 0.0227 | 0.0514 | 0.0000668 | 49.3 | 0.0000306 | 0.000437 | 0.00038 | 0.00234 | 0.137 |
| 2024 Aug | 196 | 1.06 | 1.93 | 0.0882 | 34.1 | 0.139 | 87.4 | 0.0000153 | 0.015 | 0.0241 | 0.0219 | 0.0523 | 0.0000686 | 46 | 0.0000265 | 0.000457 | 0.000387 | 0.00212 | 0.158 |
| 2024 Sep | 206 | 1.27 | 2.48 | 0.121 | 33.1 | 0.147 | 96.1 | 0.0000163 | 0.0201 | 0.0306 | 0.0197 | 0.0536 | 0.0000593 | 48 | 0.0000291 | 0.000492 | 0.00034 | 0.00245 | 0.142 |
| 2024 Oct | 180 | 0.935 | 1.72 | 0.0725 | 31.1 | 0.135 | 79.6 | 0.0000164 | 0.0163 | 0.0163 | 0.0207 | 0.0505 | 0.0000653 | 41.8 | 0.0000245 | 0.000486 | 0.000374 | 0.00201 | 0.152 |
| 2024 Nov | | | | | | | | | | | | | | | | | | | |
| 2024 Dec | | | | | | | | | | | | | | | | | | | |
| 2025 Jan | | | | | | | | | | | | | | | | | | | |
| 2025 Feb | | | | | | | | | | | | | | | | | | | |
| 2025 Mar | | | | | | | | | | | | | | | | | | | |
| 2025 Apr | | | | | | | | | | | | | | | | | | | |
| 2025 May | 127 | 0.287 | 0.273 | 0.00731 | 31.9 | 0.116 | 41.8 | 0.0000144 | 0.00723 | 0.00188 | 0.0252 | 0.0463 | 0.0000822 | 31.1 | 0.000013 | 0.000409 | 0.000451 | 0.00113 | 0.184 |
| 2025 Jun | 178 | 1.09 | 2.2 | 0.0978 | 29.9 | 0.155 | 78.6 | 0.0000205 | 0.0258 | 0.0234 | 0.0218 | 0.0521 | 0.000058 | 42 | 0.0000234 | 0.000552 | 0.000336 | 0.00237 | 0.122 |
| 2025 Jul | 256 | 1.73 | 2.88 | 0.173 | 33.6 | 0.15 | 129 | 0.0000158 | 0.0177 | 0.0346 | 0.0209 | 0.0523 | 0.0000609 | 58.8 | 0.0000386 | 0.000452 | 0.000356 | 0.00272 | 0.124 |
| 2025 Aug | 224 | 1.32 | 2.28 | 0.122 | 35.4 | 0.144 | 106 | 0.0000151 | 0.0155 | 0.0292 | 0.0212 | 0.0526 | 0.0000665 | 52.2 | 0.0000312 | 0.000454 | 0.000377 | 0.00232 | 0.153 |
| 2025 Sep | 228 | 1.48 | 2.6 | 0.144 | 33.8 | 0.148 | 111 | 0.0000147 | 0.0188 | 0.0322 | 0.0189 | 0.0517 | 0.0000587 | 53 | 0.0000327 | 0.000457 | 0.000336 | 0.00251 | 0.142 |
| 2025 Oct | 202 | 1.23 | 2.07 | 0.11 | 31.9 | 0.141 | 94.6 | 0.0000146 | 0.0174 | 0.023 | 0.0193 | 0.0493 | 0.0000616 | 47 | 0.0000283 | 0.00045 | 0.000354 | 0.00222 | 0.146 |
| 2025 Nov | | | | | | | | | | | | | | | | | | | |
| 2025 Dec | | | | | | | | | | | | | | | | | | | |
| 2026 Jan | | | | | | | | | | | | | | | | | | | |
| 2026 Feb | | | | | | | | | | | | | | | | | | | |
| 2026 Mar | | | | | | | | | | | | | | | | | | | |
| 2026 Apr | | | | | | | | | | | | | | | | | | | |
| 2026 May | 132 | 0.336 | 0.557 | 0.0152 | 31.1 | 0.123 | 45.7 | 0.0000159 | 0.0113 | 0.00386 | 0.0247 | 0.0472 | 0.0000782 | 31.8 | 0.000014 | 0.000445 | 0.000431 | 0.00131 | 0.173 |
| 2026 Jun | 199 | 1.33 | 2.45 | 0.125 | 30.3 | 0.157 | 92.8 | 0.000019 | 0.0254 | 0.027 | 0.0207 | 0.0509 | 0.0000549 | 46.7 | 0.0000271 | 0.000526 | 0.00032 | 0.00249 | 0.115 |
| 2026 Jul | 265 | 1.74 | 2.98 | 0.185 | 35.4 | 0.147 | 134 | 0.0000149 | 0.0161 | 0.0379 | 0.0215 | 0.0521 | 0.0000632 | 61.1 | 0.0000396 | 0.000419 | 0.000362 | 0.00271 | 0.124 |
| 2026 Aug | 230 | 1.35 | 2.39 | 0.13 | 35.1 | 0.137 | 111 | 0.0000145 | 0.0148 | 0.0297 | 0.0219 | 0.0498 | 0.0000683 | 53.3 | 0.0000329 | 0.000403 | 0.000386 | 0.00234 | 0.136 |
| 2026 Sep | 207 | 1.1 | 1.97 | 0.096 | 34.2 | 0.13 | 96 | 0.0000142 | 0.0132 | 0.024 | 0.0223 | 0.0481 | 0.0000708 | 48.3 | 0.0000286 | 0.000392 | 0.000397 | 0.00207 | 0.142 |
| 2026 Oct | 181 | 0.824 | 1.44 | 0.0624 | 32.6 | 0.121 | 79.5 | 0.0000141 | 0.0113 | 0.0157 | 0.0228 | 0.0459 | 0.0000743 | 42.3 | 0.0000241 | 0.000382 | 0.000415 | 0.00176 | 0.148 |
| 2026 Nov | | | | | | | | | | | | | | | | | | | |
| 2026 Dec | | | | | | | | | | | | | | | | | | | |
| 2027 Jan | | | | | | | | | | | | | | | | | | | |
| 2027 Feb | | | | | | | | | | | | | | | | | | | |
| 2027 Mar | | | | | | | | | | | | | | | | | | | |
| 2027 Apr | | | | | | | | | | | | | | | | | | | |
| 2027 May | 150 | 0.406 | 1.21 | 0.027 | 28 | 0.137 | 62.3 | 0.0000215 | 0.0202 | 0.00615 | 0.0255 | 0.0456 | 0.0000703 | 35.1 | 0.0000194 | 0.000599 | 0.000391 | 0.00165 | 0.134 |
| 2027 Jun | 232 | 1.64 | 3.33 | 0.165 | 29.5 | 0.175 | 117 | 0.0000215 | 0.0335 | 0.0355 | 0.0194 | 0.0509 | 0.0000442 | 53.5 | 0.0000324 | 0.000606 | 0.000266 | 0.00299 | 0.0795 |
| 2027 Jul | 255 | 1.75 | 3.09 | 0.174 | 31.3 | 0.151 | 132 | 0.0000163 | 0.0208 | 0.0338 | 0.0203 | 0.0494 | 0.0000557 | 58.4 | 0.0000389 | 0.000462 | 0.000329 | 0.00278 | 0.0991 |
| 2027 Aug | 222 | 1.28 | 2.35 | 0.115 | 33.2 | 0.142 | 106 | 0.0000162 | 0.0176 | 0.0265 | 0.0218 | 0.0494 | 0.0000649 | 51.3 | 0.0000312 | 0.000459 | 0.00037 | 0.00232 | 0.128 |
| 2027 Sep | 217 | 1.32 | 2.48 | 0.125 | 33.3 | 0.144 | 103 | 0.0000158 | 0.0199 | 0.0297 | 0.0202 | 0.0492 | 0.0000607 | 50.3 | 0.0000302 | 0.00045 | 0.000345 | 0.00241 | 0.127 |
| 2027 Oct | 203 | 1.27 | 2.24 | 0.118 | 31.5 | 0.139 | 95.5 | 0.000015 | 0.0189 | 0.0253 | 0.0198 | 0.0475 | 0.0000604 | 47.2 | 0.0000284 | 0.000432 | 0.000346 | 0.00228 | 0.126 |
| 2027 Nov | | | | | | | | | | | | | | | | | | | |
| 2027 Dec | | | | | | | | | | | | | | | | | | | |
| 2028 Jan | | | | | | | | | | | | | | | | | | | |
| 2028 Feb | | | | | | | | | | | | | | | | | | | |
| 2028 Mar | | | | | | | | | | | | | | | | | | | |
| 2028 Apr | | | | | | | | | | | | | | | | | | | |
| 2028 May | 123 | 0.257 | 0.287 | 0.00726 | 30.7 | 0.11 | 40.6 | 0.0000146 | 0.0074 | 0.00173 | 0.0264 | 0.0432 | 0.0000841 | 30 | 0.0000131 | 0.000366 | 0.000461 | 0.00112 | 0.163 |
| 2028 Jun | 159 | 0.528 | 1.26 | 0.00983 | 26.7 | 0.168 | 71.1 | 0.0000224 | 0.0411 | 0.0227 | 0.0206 | 0.0473 | 0.0000539 | 38.1 | 0.0000221 | 0.000552 | 0.000309 | 0.00267 | 0.0971 |

**Appendix D2. End of Pipe Discharge to Kangislulik Lake**

| **Constituents** | **Mercury** | **Potassium** | **Lithium** | **Magnesium** | **Manganese** | **Molybdenum** | **Sodium** | **Nickel** | **Phosphorus** | **Lead** | **Antimony** | **Selenium** | **Strontium** | **Thallium** | **Uranium** | **Vanadium** | **Zinc** | **Radium 226** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000828 | 5.07 | 0.00307 | 5.88 | 0.173 | 0.0028 | 3.81 | 0.00568 | 0.00622 | 0.000109 | 0.000767 | 0.000573 | 0.126 | 0.00000624 | 0.000976 | 0.00183 | 0.00311 | 0.00682 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000991 | 5.54 | 0.00384 | 9.16 | 0.255 | 0.00594 | 4.39 | 0.0375 | 0.00768 | 0.000152 | 0.00127 | 0.000723 | 0.17 | 0.00000955 | 0.00106 | 0.0021 | 0.00331 | 0.0131 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.0000147 | 6.81 | 0.00455 | 12.2 | 0.552 | 0.00843 | 4.89 | 0.0614 | 0.00913 | 0.000192 | 0.00199 | 0.000848 | 0.215 | 0.0000154 | 0.00122 | 0.00244 | 0.00406 | 0.0184 |
| ***NWB Water License/MDMER (End-of-Pipe)*** | ***0.004*** | **-** | **-** | **-** | **-** | **-** | **-** | ***0.25*** | ***0.3*** | ***0.05*** | **-** | **-** | **-** | **-** | **-** | **-** | ***0.1*** | ***0.37*** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | | | | | | | | | | | | | | | | | | |
| 2024 Feb | | | | | | | | | | | | | | | | | | |
| 2024 Mar | | | | | | | | | | | | | | | | | | |
| 2024 Apr | | | | | | | | | | | | | | | | | | |
| 2024 May | 0.0000101 | 5.5 | 0.00407 | 6.7 | 0.199 | 0.0041 | 4.27 | 0.0175 | 0.00829 | 0.000161 | 0.0011 | 0.000609 | 0.185 | 0.00000933 | 0.00109 | 0.0022 | 0.0035 | 0.0152 |
| 2024 Jun | 0.00000985 | 5.36 | 0.00344 | 10.4 | 0.251 | 0.00758 | 4.58 | 0.0526 | 0.00707 | 0.000132 | 0.00154 | 0.000757 | 0.154 | 0.0000102 | 0.000984 | 0.00211 | 0.00326 | 0.011 |
| 2024 Jul | 0.00000944 | 5.5 | 0.00386 | 9.85 | 0.229 | 0.00685 | 4.53 | 0.044 | 0.00776 | 0.000154 | 0.00145 | 0.000753 | 0.177 | 0.00000902 | 0.00104 | 0.00227 | 0.0033 | 0.0133 |
| 2024 Aug | 0.00000929 | 5.65 | 0.00413 | 9.09 | 0.217 | 0.00606 | 4.66 | 0.0358 | 0.00826 | 0.000159 | 0.00146 | 0.000754 | 0.183 | 0.00000858 | 0.00109 | 0.00218 | 0.00325 | 0.0155 |
| 2024 Sep | 0.00000991 | 5.73 | 0.00383 | 9.44 | 0.239 | 0.00669 | 4.59 | 0.0433 | 0.00771 | 0.00014 | 0.00179 | 0.000783 | 0.161 | 0.0000103 | 0.00108 | 0.00207 | 0.00321 | 0.0138 |
| 2024 Oct | 0.00000949 | 5.75 | 0.00409 | 8.42 | 0.25 | 0.00544 | 4.16 | 0.0315 | 0.00817 | 0.000154 | 0.00162 | 0.000727 | 0.173 | 0.00000946 | 0.00108 | 0.00209 | 0.00318 | 0.0149 |
| 2024 Nov | | | | | | | | | | | | | | | | | | |
| 2024 Dec | | | | | | | | | | | | | | | | | | |
| 2025 Jan | | | | | | | | | | | | | | | | | | |
| 2025 Feb | | | | | | | | | | | | | | | | | | |
| 2025 Mar | | | | | | | | | | | | | | | | | | |
| 2025 Apr | | | | | | | | | | | | | | | | | | |
| 2025 May | 0.00000828 | 5.47 | 0.00455 | 6.18 | 0.182 | 0.00301 | 4.28 | 0.00568 | 0.00913 | 0.000186 | 0.000828 | 0.000595 | 0.215 | 0.00000624 | 0.0011 | 0.00232 | 0.00332 | 0.0184 |
| 2025 Jun | 0.0000115 | 6.15 | 0.00368 | 8.1 | 0.303 | 0.00526 | 4.3 | 0.0335 | 0.00763 | 0.000137 | 0.00199 | 0.000688 | 0.16 | 0.0000133 | 0.00109 | 0.00229 | 0.00359 | 0.0114 |
| 2025 Jul | 0.00000956 | 5.39 | 0.00365 | 12 | 0.26 | 0.00834 | 4.62 | 0.06 | 0.00744 | 0.000143 | 0.00132 | 0.000821 | 0.161 | 0.00000955 | 0.000993 | 0.00203 | 0.0032 | 0.0117 |
| 2025 Aug | 0.00000926 | 5.51 | 0.00402 | 10.4 | 0.224 | 0.00693 | 4.85 | 0.0448 | 0.0081 | 0.000154 | 0.00122 | 0.000795 | 0.177 | 0.00000844 | 0.00106 | 0.00204 | 0.00321 | 0.015 |
| 2025 Sep | 0.00000944 | 5.28 | 0.00371 | 10.6 | 0.222 | 0.00737 | 4.67 | 0.0494 | 0.00753 | 0.000137 | 0.0012 | 0.000781 | 0.157 | 0.00000886 | 0.00103 | 0.00184 | 0.00311 | 0.0138 |
| 2025 Oct | 0.00000934 | 5.24 | 0.00383 | 9.5 | 0.225 | 0.00636 | 4.32 | 0.0396 | 0.00772 | 0.000153 | 0.00108 | 0.000725 | 0.162 | 0.00000844 | 0.00103 | 0.00183 | 0.00312 | 0.0142 |
| 2025 Nov | | | | | | | | | | | | | | | | | | |
| 2025 Dec | | | | | | | | | | | | | | | | | | |
| 2026 Jan | | | | | | | | | | | | | | | | | | |
| 2026 Feb | | | | | | | | | | | | | | | | | | |
| 2026 Mar | | | | | | | | | | | | | | | | | | |
| 2026 Apr | | | | | | | | | | | | | | | | | | |
| 2026 May | 0.00000907 | 5.73 | 0.00445 | 6.27 | 0.219 | 0.00313 | 4.21 | 0.00828 | 0.00886 | 0.000181 | 0.00104 | 0.000613 | 0.206 | 0.00000773 | 0.00113 | 0.00233 | 0.0034 | 0.0172 |
| 2026 Jun | 0.0000111 | 5.84 | 0.00348 | 9.13 | 0.304 | 0.00597 | 4.35 | 0.0403 | 0.00725 | 0.000131 | 0.00149 | 0.000696 | 0.151 | 0.0000123 | 0.00104 | 0.00206 | 0.00347 | 0.0107 |
| 2026 Jul | 0.00000922 | 5.23 | 0.00364 | 12.2 | 0.235 | 0.00843 | 4.89 | 0.0614 | 0.00728 | 0.000147 | 0.00121 | 0.000848 | 0.165 | 0.00000866 | 0.000995 | 0.0021 | 0.00317 | 0.0119 |
| 2026 Aug | 0.00000918 | 5.15 | 0.00388 | 10.6 | 0.211 | 0.00698 | 4.7 | 0.0473 | 0.00756 | 0.00016 | 0.00108 | 0.000798 | 0.174 | 0.00000788 | 0.00103 | 0.00211 | 0.00317 | 0.0131 |
| 2026 Sep | 0.00000894 | 5.1 | 0.00398 | 9.54 | 0.199 | 0.00609 | 4.54 | 0.0384 | 0.00772 | 0.000165 | 0.00101 | 0.000754 | 0.18 | 0.00000733 | 0.00104 | 0.00212 | 0.00315 | 0.0139 |
| 2026 Oct | 0.00000874 | 5.07 | 0.00412 | 8.4 | 0.193 | 0.00508 | 4.23 | 0.0286 | 0.00792 | 0.000173 | 0.000923 | 0.000702 | 0.186 | 0.00000682 | 0.00104 | 0.00214 | 0.00314 | 0.0145 |
| 2026 Nov | | | | | | | | | | | | | | | | | | |
| 2026 Dec | | | | | | | | | | | | | | | | | | |
| 2027 Jan | | | | | | | | | | | | | | | | | | |
| 2027 Feb | | | | | | | | | | | | | | | | | | |
| 2027 Mar | | | | | | | | | | | | | | | | | | |
| 2027 Apr | | | | | | | | | | | | | | | | | | |
| 2027 May | 0.0000111 | 6.81 | 0.0042 | 6.9 | 0.552 | 0.00312 | 3.81 | 0.0148 | 0.00802 | 0.000166 | 0.00127 | 0.00066 | 0.19 | 0.0000117 | 0.00122 | 0.00228 | 0.00369 | 0.0129 |
| 2027 Jun | 0.0000125 | 6.49 | 0.00307 | 10.4 | 0.428 | 0.00665 | 4.27 | 0.0517 | 0.00622 | 0.000109 | 0.00165 | 0.000735 | 0.126 | 0.0000148 | 0.00106 | 0.00184 | 0.00352 | 0.00682 |
| 2027 Jul | 0.00001 | 5.44 | 0.00333 | 11.8 | 0.327 | 0.00801 | 4.28 | 0.0602 | 0.00663 | 0.000133 | 0.00127 | 0.000797 | 0.145 | 0.0000102 | 0.000976 | 0.00193 | 0.00318 | 0.00906 |
| 2027 Aug | 0.00000977 | 5.61 | 0.00382 | 10.2 | 0.29 | 0.00644 | 4.47 | 0.0438 | 0.00745 | 0.000153 | 0.00119 | 0.00077 | 0.169 | 0.00000922 | 0.00105 | 0.00206 | 0.00325 | 0.0122 |
| 2027 Sep | 0.00000993 | 5.31 | 0.00366 | 9.85 | 0.245 | 0.0065 | 4.53 | 0.0441 | 0.00721 | 0.000143 | 0.00117 | 0.000756 | 0.158 | 0.00000938 | 0.00103 | 0.00194 | 0.0032 | 0.0121 |
| 2027 Oct | 0.00000965 | 5.08 | 0.00362 | 9.34 | 0.233 | 0.00618 | 4.26 | 0.0405 | 0.00718 | 0.000147 | 0.00108 | 0.000714 | 0.155 | 0.00000889 | 0.001 | 0.00189 | 0.00314 | 0.0121 |
| 2027 Nov | | | | | | | | | | | | | | | | | | |
| 2027 Dec | | | | | | | | | | | | | | | | | | |
| 2028 Jan | | | | | | | | | | | | | | | | | | |
| 2028 Feb | | | | | | | | | | | | | | | | | | |
| 2028 Mar | | | | | | | | | | | | | | | | | | |
| 2028 Apr | | | | | | | | | | | | | | | | | | |
| 2028 May | 0.00000847 | 5.18 | 0.0044 | 5.88 | 0.173 | 0.0028 | 4.03 | 0.00576 | 0.00859 | 0.000192 | 0.000767 | 0.000573 | 0.213 | 0.00000626 | 0.00107 | 0.00244 | 0.00335 | 0.0162 |
| 2028 Jun | 0.0000147 | 5.52 | 0.00336 | 7.19 | 0.232 | 0.00518 | 3.84 | 0.0327 | 0.00689 | 0.000131 | 0.00133 | 0.000596 | 0.136 | 0.0000154 | 0.00114 | 0.00206 | 0.00406 | 0.00857 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 111 | 0.323 | 0.22 | 0.00468 | 24.1 | 0.141 | 33.4 | 0.0000125 | 0.00717 | 0.0146 | 0.0218 | 0.0507 | 0.0000488 | 30.5 | 0.0000109 | 0.000464 | 0.000296 | 0.0012 | 0.111 |
| Operation (Jan., 2024 to Jun., 2028): Average | 149 | 0.721 | 0.799 | 0.0444 | 29.9 | 0.151 | 59 | 0.0000151 | 0.00909 | 0.0497 | 0.0274 | 0.0559 | 0.0000713 | 38.5 | 0.0000181 | 0.000518 | 0.000385 | 0.00156 | 0.214 |
| Operation (Jan., 2024 to Jun., 2028): Max | 247 | 2.17 | 2.88 | 0.191 | 32.4 | 0.161 | 132 | 0.0000181 | 0.0161 | 0.162 | 0.0323 | 0.059 | 0.0000808 | 58.3 | 0.0000408 | 0.000565 | 0.000424 | 0.00273 | 0.255 |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Aug., 2044): Min | 40.7 | 0.000241 | 0.0638 | 0.000357 | 7.58 | 0.0535 | 6.16 | 0.00000597 | 0.00948 | 0.000505 | 0.00565 | 0.0175 | 0.000012 | 6.67 | 0.00000365 | 0.000114 | 0.000129 | 0.000688 | 0.0261 |
| Active Closure (Jul., 2028 to Aug., 2044): Average | 67.2 | 0.0288 | 0.337 | 0.000672 | 13.3 | 0.0786 | 13.6 | 0.00000701 | 0.0225 | 0.00704 | 0.00757 | 0.0219 | 0.0000181 | 11.6 | 0.00000581 | 0.000219 | 0.000223 | 0.00117 | 0.0552 |
| Active Closure (Jul., 2028 to Aug., 2044): Max | 217 | 0.479 | 1.13 | 0.0011 | 24.8 | 0.134 | 111 | 0.0000123 | 0.0562 | 0.128 | 0.021 | 0.0458 | 0.0000505 | 50.1 | 0.0000342 | 0.00045 | 0.000354 | 0.0023 | 0.123 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Aug 2044) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 124 | 0.4 | 0.22 | 0.00769 | 32.4 | 0.152 | 38.3 | 0.0000149 | 0.00717 | 0.017 | 0.027 | 0.059 | 0.0000746 | 33.4 | 0.0000112 | 0.000565 | 0.000399 | 0.00121 | 0.255 |
| 2024 Feb | 122 | 0.387 | 0.221 | 0.00756 | 31.9 | 0.15 | 37.6 | 0.000015 | 0.00724 | 0.0165 | 0.0276 | 0.0581 | 0.0000752 | 32.9 | 0.0000111 | 0.000551 | 0.000401 | 0.0012 | 0.248 |
| 2024 Mar | 121 | 0.385 | 0.222 | 0.00754 | 31.8 | 0.15 | 37.4 | 0.0000151 | 0.00725 | 0.0164 | 0.0277 | 0.0579 | 0.0000753 | 32.8 | 0.0000111 | 0.000549 | 0.000401 | 0.0012 | 0.247 |
| 2024 Apr | 121 | 0.385 | 0.222 | 0.00754 | 31.8 | 0.15 | 37.4 | 0.0000151 | 0.00726 | 0.0164 | 0.0277 | 0.0579 | 0.0000754 | 32.8 | 0.0000111 | 0.000549 | 0.000402 | 0.0012 | 0.247 |
| 2024 May | 139 | 0.748 | 0.711 | 0.0424 | 29 | 0.147 | 51.8 | 0.0000146 | 0.00861 | 0.042 | 0.0277 | 0.0542 | 0.000071 | 36.2 | 0.0000163 | 0.000498 | 0.000386 | 0.00146 | 0.203 |
| 2024 Jun | 234 | 1.67 | 2.32 | 0.164 | 27.8 | 0.157 | 121 | 0.0000141 | 0.011 | 0.146 | 0.0258 | 0.0545 | 0.0000624 | 56 | 0.0000382 | 0.000465 | 0.000347 | 0.0025 | 0.16 |
| 2024 Jul | 185 | 1.06 | 1.49 | 0.0869 | 29.7 | 0.156 | 84.6 | 0.0000149 | 0.0107 | 0.0897 | 0.0262 | 0.0562 | 0.0000676 | 45.7 | 0.0000264 | 0.000512 | 0.000367 | 0.00198 | 0.201 |
| 2024 Aug | 177 | 0.978 | 1.34 | 0.0717 | 30.7 | 0.158 | 77.9 | 0.0000146 | 0.0106 | 0.0784 | 0.025 | 0.0577 | 0.0000667 | 44 | 0.0000239 | 0.000539 | 0.000363 | 0.00188 | 0.218 |
| 2024 Sep | 201 | 1.33 | 1.86 | 0.109 | 29.5 | 0.161 | 95.6 | 0.0000152 | 0.0129 | 0.108 | 0.023 | 0.0568 | 0.0000601 | 48.7 | 0.0000296 | 0.000551 | 0.000336 | 0.00218 | 0.196 |
| 2024 Oct | 139 | 0.61 | 0.609 | 0.0282 | 31.1 | 0.154 | 50.3 | 0.0000159 | 0.00927 | 0.0377 | 0.0266 | 0.0575 | 0.0000715 | 36.3 | 0.0000152 | 0.000562 | 0.000386 | 0.00144 | 0.233 |
| 2024 Nov | 127 | 0.464 | 0.334 | 0.0145 | 31.5 | 0.151 | 41.1 | 0.0000152 | 0.00775 | 0.0226 | 0.0273 | 0.0577 | 0.0000739 | 33.8 | 0.0000123 | 0.00055 | 0.000396 | 0.00127 | 0.242 |
| 2024 Dec | 122 | 0.398 | 0.24 | 0.00866 | 31.7 | 0.15 | 38 | 0.0000151 | 0.00734 | 0.0174 | 0.0277 | 0.0578 | 0.0000751 | 33 | 0.0000113 | 0.000548 | 0.000401 | 0.00121 | 0.246 |
| 2025 Jan | 122 | 0.388 | 0.224 | 0.0077 | 31.8 | 0.15 | 37.5 | 0.0000151 | 0.00726 | 0.0166 | 0.0277 | 0.0579 | 0.0000752 | 32.9 | 0.0000111 | 0.000549 | 0.000401 | 0.0012 | 0.247 |
| 2025 Feb | 122 | 0.386 | 0.222 | 0.00755 | 31.8 | 0.15 | 37.5 | 0.0000151 | 0.00724 | 0.0165 | 0.0276 | 0.058 | 0.0000752 | 32.9 | 0.0000111 | 0.00055 | 0.000401 | 0.0012 | 0.248 |
| 2025 Mar | 122 | 0.386 | 0.221 | 0.00753 | 31.8 | 0.15 | 37.5 | 0.000015 | 0.00724 | 0.0164 | 0.0276 | 0.058 | 0.0000752 | 32.9 | 0.0000111 | 0.00055 | 0.000401 | 0.0012 | 0.248 |
| 2025 Apr | 122 | 0.386 | 0.221 | 0.00753 | 31.8 | 0.15 | 37.5 | 0.0000151 | 0.00724 | 0.0164 | 0.0276 | 0.058 | 0.0000753 | 32.9 | 0.0000111 | 0.00055 | 0.000401 | 0.0012 | 0.248 |
| 2025 May | 116 | 0.354 | 0.241 | 0.00785 | 30.3 | 0.146 | 35.5 | 0.0000157 | 0.00766 | 0.0155 | 0.0302 | 0.0552 | 0.0000784 | 31.7 | 0.000011 | 0.000506 | 0.000415 | 0.00121 | 0.225 |
| 2025 Jun | 228 | 1.74 | 2.27 | 0.154 | 26.8 | 0.159 | 116 | 0.0000162 | 0.0133 | 0.136 | 0.0242 | 0.0534 | 0.0000574 | 54.4 | 0.0000357 | 0.000512 | 0.000332 | 0.00242 | 0.148 |
| 2025 Jul | 207 | 1.28 | 1.68 | 0.108 | 30 | 0.158 | 99 | 0.0000144 | 0.00985 | 0.105 | 0.0258 | 0.0574 | 0.0000662 | 50.5 | 0.0000301 | 0.000514 | 0.000365 | 0.0021 | 0.198 |
| 2025 Aug | 201 | 1.19 | 1.68 | 0.0994 | 30.6 | 0.16 | 95.1 | 0.0000138 | 0.0107 | 0.0982 | 0.0243 | 0.0584 | 0.0000647 | 49.1 | 0.0000286 | 0.00053 | 0.000354 | 0.00207 | 0.212 |
| 2025 Sep | 217 | 1.51 | 2.03 | 0.127 | 29.2 | 0.159 | 107 | 0.0000125 | 0.0112 | 0.117 | 0.022 | 0.0568 | 0.0000578 | 52.2 | 0.0000324 | 0.000513 | 0.000326 | 0.00223 | 0.191 |
| 2025 Oct | 161 | 0.917 | 0.96 | 0.0586 | 30.4 | 0.153 | 66.2 | 0.0000138 | 0.00864 | 0.0587 | 0.025 | 0.057 | 0.0000667 | 40.9 | 0.00002 | 0.000531 | 0.000368 | 0.00161 | 0.218 |
| 2025 Nov | 129 | 0.488 | 0.361 | 0.0174 | 31.5 | 0.151 | 42.9 | 0.0000149 | 0.00754 | 0.0245 | 0.0271 | 0.0578 | 0.0000736 | 34.4 | 0.0000128 | 0.000547 | 0.000395 | 0.00128 | 0.242 |
| 2025 Dec | 123 | 0.402 | 0.243 | 0.00908 | 31.8 | 0.15 | 38.3 | 0.000015 | 0.00729 | 0.0177 | 0.0276 | 0.0579 | 0.000075 | 33.1 | 0.0000113 | 0.000549 | 0.0004 | 0.00121 | 0.247 |
| 2026 Jan | 122 | 0.388 | 0.225 | 0.00777 | 31.8 | 0.15 | 37.6 | 0.000015 | 0.00725 | 0.0166 | 0.0276 | 0.058 | 0.0000752 | 32.9 | 0.0000111 | 0.00055 | 0.000401 | 0.0012 | 0.248 |
| 2026 Feb | 122 | 0.386 | 0.222 | 0.00757 | 31.8 | 0.15 | 37.5 | 0.0000151 | 0.00724 | 0.0165 | 0.0276 | 0.058 | 0.0000752 | 32.9 | 0.0000111 | 0.000549 | 0.000401 | 0.0012 | 0.248 |
| 2026 Mar | 122 | 0.385 | 0.221 | 0.00754 | 31.8 | 0.15 | 37.5 | 0.0000151 | 0.00725 | 0.0164 | 0.0277 | 0.058 | 0.0000753 | 32.9 | 0.0000111 | 0.000549 | 0.000401 | 0.0012 | 0.248 |
| 2026 Apr | 122 | 0.386 | 0.221 | 0.00753 | 31.8 | 0.15 | 37.5 | 0.0000151 | 0.00725 | 0.0164 | 0.0277 | 0.058 | 0.0000753 | 32.9 | 0.0000111 | 0.00055 | 0.000402 | 0.0012 | 0.248 |
| 2026 May | 118 | 0.396 | 0.289 | 0.0108 | 30.1 | 0.147 | 36.8 | 0.0000159 | 0.00803 | 0.018 | 0.03 | 0.055 | 0.0000775 | 32.1 | 0.0000115 | 0.00051 | 0.000411 | 0.00124 | 0.222 |
| 2026 Jun | 247 | 1.95 | 2.57 | 0.179 | 26.5 | 0.158 | 130 | 0.0000141 | 0.0126 | 0.154 | 0.0231 | 0.0536 | 0.0000547 | 58.3 | 0.0000397 | 0.00048 | 0.000319 | 0.00258 | 0.14 |
| 2026 Jul | 216 | 1.35 | 2.01 | 0.128 | 28.7 | 0.156 | 108 | 0.000014 | 0.0111 | 0.119 | 0.0262 | 0.0556 | 0.0000655 | 52.2 | 0.0000331 | 0.000472 | 0.000357 | 0.00228 | 0.18 |
| 2026 Aug | 189 | 1.1 | 1.65 | 0.0924 | 28.9 | 0.154 | 89.3 | 0.0000141 | 0.0111 | 0.0918 | 0.0265 | 0.0553 | 0.0000672 | 46.6 | 0.0000273 | 0.000481 | 0.000364 | 0.00203 | 0.19 |
| 2026 Sep | 171 | 0.903 | 1.31 | 0.0671 | 29.1 | 0.151 | 76.1 | 0.0000145 | 0.0102 | 0.073 | 0.0274 | 0.055 | 0.0000699 | 42.8 | 0.0000233 | 0.000485 | 0.000375 | 0.00183 | 0.198 |
| 2026 Oct | 133 | 0.527 | 0.579 | 0.0249 | 29.7 | 0.147 | 48.1 | 0.0000153 | 0.00847 | 0.0337 | 0.0293 | 0.0548 | 0.0000755 | 35.1 | 0.0000149 | 0.000497 | 0.000401 | 0.00141 | 0.215 |
| 2026 Nov | 118 | 0.383 | 0.303 | 0.011 | 29.9 | 0.145 | 37.5 | 0.0000156 | 0.00777 | 0.0187 | 0.03 | 0.0547 | 0.0000776 | 32.1 | 0.0000117 | 0.000499 | 0.00041 | 0.00124 | 0.221 |
| 2026 Dec | 116 | 0.356 | 0.252 | 0.0084 | 29.9 | 0.145 | 35.5 | 0.0000156 | 0.00764 | 0.016 | 0.0301 | 0.0546 | 0.0000779 | 31.5 | 0.0000111 | 0.0005 | 0.000412 | 0.00121 | 0.222 |
| 2027 Jan | 116 | 0.354 | 0.241 | 0.00789 | 30.1 | 0.145 | 35.4 | 0.0000156 | 0.00758 | 0.0155 | 0.0299 | 0.0549 | 0.0000778 | 31.6 | 0.000011 | 0.000504 | 0.000411 | 0.00121 | 0.224 |
| 2027 Feb | 116 | 0.355 | 0.238 | 0.00778 | 30.2 | 0.145 | 35.5 | 0.0000155 | 0.00755 | 0.0155 | 0.0298 | 0.0551 | 0.0000776 | 31.6 | 0.000011 | 0.000507 | 0.000411 | 0.00121 | 0.226 |
| 2027 Mar | 116 | 0.355 | 0.237 | 0.00776 | 30.2 | 0.146 | 35.5 | 0.0000155 | 0.00755 | 0.0155 | 0.0297 | 0.0552 | 0.0000776 | 31.6 | 0.000011 | 0.000508 | 0.000411 | 0.00121 | 0.226 |
| 2027 Apr | 116 | 0.355 | 0.237 | 0.00777 | 30.3 | 0.146 | 35.5 | 0.0000155 | 0.00755 | 0.0155 | 0.0298 | 0.0552 | 0.0000776 | 31.7 | 0.000011 | 0.000508 | 0.000411 | 0.00121 | 0.226 |
| 2027 May | 115 | 0.44 | 0.406 | 0.0142 | 28.3 | 0.146 | 36.5 | 0.0000181 | 0.0105 | 0.0215 | 0.0313 | 0.0523 | 0.0000776 | 31.3 | 0.0000118 | 0.000506 | 0.000412 | 0.00133 | 0.197 |
| 2027 Jun | 247 | 2.17 | 2.88 | 0.191 | 24.1 | 0.16 | 132 | 0.0000152 | 0.0161 | 0.162 | 0.0218 | 0.0509 | 0.0000488 | 58.1 | 0.0000408 | 0.000489 | 0.000296 | 0.00273 | 0.111 |
| 2027 Jul | 198 | 1.33 | 1.8 | 0.109 | 27.6 | 0.155 | 95.9 | 0.000015 | 0.0118 | 0.104 | 0.0261 | 0.0538 | 0.0000641 | 48.4 | 0.0000295 | 0.000487 | 0.000356 | 0.00213 | 0.169 |
| 2027 Aug | 182 | 1.07 | 1.54 | 0.0821 | 28.9 | 0.155 | 83.5 | 0.000015 | 0.0118 | 0.0847 | 0.0261 | 0.0553 | 0.0000666 | 44.9 | 0.0000255 | 0.000505 | 0.000362 | 0.00197 | 0.192 |
| 2027 Sep | 194 | 1.34 | 1.83 | 0.105 | 27.8 | 0.154 | 93.2 | 0.0000134 | 0.012 | 0.0994 | 0.0238 | 0.0543 | 0.0000603 | 47.4 | 0.0000284 | 0.000491 | 0.000337 | 0.00209 | 0.178 |
| 2027 Oct | 163 | 0.98 | 1.17 | 0.0698 | 28.6 | 0.15 | 70 | 0.000014 | 0.00979 | 0.0659 | 0.0262 | 0.0543 | 0.0000669 | 41.1 | 0.0000215 | 0.000493 | 0.000367 | 0.00172 | 0.194 |
| 2027 Nov | 126 | 0.488 | 0.45 | 0.0213 | 29.9 | 0.147 | 42.9 | 0.0000157 | 0.00855 | 0.0269 | 0.029 | 0.055 | 0.0000753 | 33.7 | 0.0000133 | 0.000512 | 0.000401 | 0.00133 | 0.219 |
| 2027 Dec | 118 | 0.38 | 0.277 | 0.0102 | 30.1 | 0.146 | 36.8 | 0.0000156 | 0.00777 | 0.0176 | 0.0296 | 0.0551 | 0.0000771 | 32 | 0.0000114 | 0.000509 | 0.000409 | 0.00123 | 0.224 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 116 | 0.36 | 0.244 | 0.0082 | 30.2 | 0.146 | 35.7 | 0.0000155 | 0.00759 | 0.0159 | 0.0297 | 0.0551 | 0.0000775 | 31.7 | 0.000011 | 0.000508 | 0.00041 | 0.00121 | 0.226 |
| 2028 Feb | 116 | 0.356 | 0.238 | 0.00784 | 30.2 | 0.146 | 35.5 | 0.0000155 | 0.00756 | 0.0156 | 0.0298 | 0.0552 | 0.0000776 | 31.7 | 0.000011 | 0.000508 | 0.000411 | 0.00121 | 0.226 |
| 2028 Mar | 116 | 0.355 | 0.237 | 0.00778 | 30.2 | 0.146 | 35.5 | 0.0000155 | 0.00755 | 0.0155 | 0.0298 | 0.0551 | 0.0000776 | 31.6 | 0.000011 | 0.000508 | 0.000411 | 0.00121 | 0.226 |
| 2028 Apr | 116 | 0.355 | 0.237 | 0.00776 | 30.2 | 0.145 | 35.5 | 0.0000155 | 0.00755 | 0.0155 | 0.0297 | 0.0551 | 0.0000776 | 31.6 | 0.000011 | 0.000508 | 0.000411 | 0.0012 | 0.226 |
| 2028 May | 111 | 0.323 | 0.257 | 0.00805 | 28.7 | 0.141 | 33.4 | 0.0000162 | 0.00795 | 0.0146 | 0.0323 | 0.0524 | 0.0000808 | 30.5 | 0.0000109 | 0.000464 | 0.000424 | 0.00122 | 0.203 |
| 2028 Jun | 210 | 0.856 | 0.644 | 0.00468 | 24.8 | 0.158 | 107 | 0.0000179 | 0.016 | 0.128 | 0.0244 | 0.0507 | 0.0000553 | 51 | 0.0000333 | 0.00052 | 0.000325 | 0.0024 | 0.126 |
| 2028 Jul | 217 | 0.479 | 0.535 | 0.000574 | 24.8 | 0.134 | 111 | 0.0000123 | 0.0124 | 0.128 | 0.021 | 0.0458 | 0.0000505 | 50.1 | 0.0000342 | 0.000448 | 0.00034 | 0.0023 | 0.123 |
| 2028 Aug | 167 | 0.362 | 0.666 | 0.000612 | 23.2 | 0.112 | 72.7 | 0.0000104 | 0.013 | 0.0776 | 0.0168 | 0.0385 | 0.0000424 | 36.9 | 0.0000229 | 0.00045 | 0.000343 | 0.00178 | 0.112 |
| 2028 Sep | 149 | 0.323 | 0.758 | 0.000617 | 22.5 | 0.105 | 58.8 | 0.00000973 | 0.0136 | 0.0593 | 0.0152 | 0.0359 | 0.0000392 | 31.9 | 0.0000187 | 0.00045 | 0.000342 | 0.00161 | 0.107 |
| 2028 Oct | 138 | 0.364 | 0.808 | 0.00107 | 21.9 | 0.102 | 50.8 | 0.00000923 | 0.014 | 0.0493 | 0.0142 | 0.0345 | 0.0000368 | 29.2 | 0.0000163 | 0.00045 | 0.000337 | 0.00151 | 0.103 |
| 2028 Nov | 133 | 0.34 | 0.77 | 0.0011 | 21.8 | 0.0986 | 47 | 0.00000907 | 0.0136 | 0.0442 | 0.0138 | 0.0337 | 0.0000361 | 27.9 | 0.0000152 | 0.000448 | 0.000341 | 0.00144 | 0.103 |
| 2028 Dec | 130 | 0.31 | 0.74 | 0.00106 | 21.8 | 0.0957 | 44.2 | 0.00000895 | 0.0133 | 0.0404 | 0.0135 | 0.033 | 0.0000356 | 26.9 | 0.0000143 | 0.000446 | 0.000343 | 0.00139 | 0.103 |
| 2029 Jan | 127 | 0.286 | 0.715 | 0.00103 | 21.8 | 0.0934 | 42 | 0.00000885 | 0.013 | 0.0374 | 0.0133 | 0.0324 | 0.0000352 | 26.1 | 0.0000136 | 0.000444 | 0.000345 | 0.00134 | 0.103 |
| 2029 Feb | 125 | 0.267 | 0.696 | 0.00101 | 21.8 | 0.0916 | 40.2 | 0.00000877 | 0.0128 | 0.035 | 0.0131 | 0.032 | 0.0000349 | 25.5 | 0.0000131 | 0.000442 | 0.000347 | 0.00131 | 0.103 |
| 2029 Mar | 123 | 0.252 | 0.681 | 0.000995 | 21.7 | 0.0901 | 38.8 | 0.00000871 | 0.0127 | 0.0331 | 0.0129 | 0.0316 | 0.0000346 | 25 | 0.0000126 | 0.000441 | 0.000348 | 0.00128 | 0.103 |
| 2029 Apr | 122 | 0.238 | 0.667 | 0.000979 | 21.7 | 0.0888 | 37.5 | 0.00000865 | 0.0125 | 0.0314 | 0.0128 | 0.0313 | 0.0000344 | 24.5 | 0.0000123 | 0.00044 | 0.000349 | 0.00126 | 0.103 |
| 2029 May | 120 | 0.212 | 0.644 | 0.000957 | 21.9 | 0.0868 | 35.1 | 0.00000862 | 0.0124 | 0.028 | 0.0126 | 0.0309 | 0.0000342 | 23.8 | 0.0000115 | 0.00044 | 0.000354 | 0.00122 | 0.103 |
| 2029 Jun | 114 | 0.204 | 0.674 | 0.000694 | 21.5 | 0.0861 | 31.3 | 0.00000877 | 0.0132 | 0.0235 | 0.0122 | 0.0302 | 0.000033 | 22.3 | 0.0000104 | 0.000442 | 0.000351 | 0.0012 | 0.101 |
| 2029 Jul | 110 | 0.201 | 0.773 | 0.000761 | 21 | 0.0866 | 29 | 0.00000868 | 0.0142 | 0.0211 | 0.0117 | 0.0297 | 0.0000317 | 21.3 | 0.00000975 | 0.000435 | 0.000343 | 0.00121 | 0.0977 |
| 2029 Aug | 110 | 0.17 | 0.849 | 0.000437 | 21.1 | 0.0875 | 28.8 | 0.0000087 | 0.0148 | 0.0206 | 0.0117 | 0.0298 | 0.0000316 | 21.2 | 0.00000969 | 0.000435 | 0.000343 | 0.00123 | 0.0975 |
| 2029 Sep | 109 | 0.141 | 0.913 | 0.000903 | 21 | 0.0882 | 28.4 | 0.00000877 | 0.0154 | 0.0203 | 0.0116 | 0.0297 | 0.0000313 | 20.9 | 0.0000096 | 0.000433 | 0.000341 | 0.00124 | 0.0966 |
| 2029 Oct | 108 | 0.128 | 0.927 | 0.00101 | 21 | 0.0884 | 28.2 | 0.00000886 | 0.0156 | 0.0201 | 0.0116 | 0.0297 | 0.0000312 | 20.8 | 0.00000954 | 0.000433 | 0.00034 | 0.00125 | 0.0964 |
| 2029 Nov | 108 | 0.126 | 0.92 | 0.00101 | 21 | 0.0882 | 28 | 0.00000886 | 0.0156 | 0.0199 | 0.0115 | 0.0296 | 0.0000312 | 20.8 | 0.00000948 | 0.000432 | 0.00034 | 0.00125 | 0.0964 |
| 2029 Dec | 108 | 0.125 | 0.913 | 0.00101 | 21 | 0.0878 | 27.8 | 0.00000884 | 0.0155 | 0.0197 | 0.0115 | 0.0295 | 0.0000311 | 20.7 | 0.00000942 | 0.00043 | 0.00034 | 0.00124 | 0.0963 |
| 2030 Jan | 108 | 0.124 | 0.909 | 0.001 | 21 | 0.0877 | 27.7 | 0.00000883 | 0.0155 | 0.0196 | 0.0115 | 0.0295 | 0.000031 | 20.7 | 0.00000939 | 0.00043 | 0.00034 | 0.00124 | 0.0963 |
| 2030 Feb | 108 | 0.124 | 0.909 | 0.001 | 21 | 0.0876 | 27.7 | 0.00000883 | 0.0155 | 0.0196 | 0.0115 | 0.0295 | 0.000031 | 20.6 | 0.00000939 | 0.00043 | 0.00034 | 0.00124 | 0.0963 |
| 2030 Mar | 108 | 0.124 | 0.909 | 0.001 | 21 | 0.0876 | 27.7 | 0.00000883 | 0.0155 | 0.0196 | 0.0115 | 0.0295 | 0.000031 | 20.6 | 0.00000939 | 0.00043 | 0.00034 | 0.00124 | 0.0963 |
| 2030 Apr | 108 | 0.124 | 0.909 | 0.001 | 21 | 0.0877 | 27.7 | 0.00000883 | 0.0155 | 0.0196 | 0.0115 | 0.0295 | 0.000031 | 20.7 | 0.00000939 | 0.00043 | 0.000341 | 0.00124 | 0.0963 |
| 2030 May | 108 | 0.124 | 0.912 | 0.00101 | 21 | 0.088 | 27.8 | 0.00000886 | 0.0156 | 0.0196 | 0.0115 | 0.0296 | 0.0000311 | 20.7 | 0.00000942 | 0.000431 | 0.000342 | 0.00124 | 0.0966 |
| 2030 Jun | 105 | 0.104 | 0.934 | 0.000357 | 20.6 | 0.0878 | 26.4 | 0.0000091 | 0.0165 | 0.0185 | 0.0112 | 0.029 | 0.0000301 | 19.9 | 0.000009 | 0.000422 | 0.000335 | 0.00125 | 0.0941 |
| 2030 Jul | 102 | 0.0711 | 0.975 | 0.000506 | 20.3 | 0.0861 | 24.8 | 0.00000884 | 0.0166 | 0.0167 | 0.0108 | 0.0283 | 0.000029 | 19.1 | 0.00000853 | 0.000405 | 0.000329 | 0.00124 | 0.0919 |
| 2030 Aug | 102 | 0.044 | 1.05 | 0.000575 | 20.3 | 0.0869 | 24.5 | 0.00000882 | 0.0172 | 0.0164 | 0.0108 | 0.0283 | 0.0000288 | 18.9 | 0.00000848 | 0.000403 | 0.000328 | 0.00126 | 0.0914 |
| 2030 Sep | 101 | 0.0166 | 1.1 | 0.00043 | 20.2 | 0.0873 | 24.3 | 0.0000088 | 0.0175 | 0.0161 | 0.0107 | 0.0283 | 0.0000286 | 18.8 | 0.00000842 | 0.000401 | 0.000327 | 0.00127 | 0.091 |
| 2030 Oct | 100 | 0.00797 | 1.13 | 0.000768 | 20.1 | 0.0869 | 23.9 | 0.0000087 | 0.0176 | 0.0158 | 0.0106 | 0.0281 | 0.0000283 | 18.5 | 0.0000083 | 0.000396 | 0.000323 | 0.00127 | 0.0899 |
| 2030 Nov | 99.1 | 0.00928 | 1.12 | 0.000915 | 19.9 | 0.0863 | 23.5 | 0.00000863 | 0.0176 | 0.0154 | 0.0105 | 0.0279 | 0.000028 | 18.3 | 0.00000819 | 0.000391 | 0.000321 | 0.00126 | 0.0892 |
| 2030 Dec | 98.8 | 0.00918 | 1.11 | 0.000909 | 19.9 | 0.0857 | 23.3 | 0.00000858 | 0.0174 | 0.0152 | 0.0104 | 0.0277 | 0.0000278 | 18.2 | 0.00000812 | 0.000388 | 0.000321 | 0.00125 | 0.089 |
| 2031 Jan | 98.4 | 0.00908 | 1.09 | 0.000903 | 19.9 | 0.0852 | 23 | 0.00000854 | 0.0173 | 0.0149 | 0.0104 | 0.0276 | 0.0000277 | 18.1 | 0.00000804 | 0.000385 | 0.000321 | 0.00124 | 0.0889 |
| 2031 Feb | 98.1 | 0.00898 | 1.08 | 0.000898 | 19.8 | 0.0847 | 22.8 | 0.0000085 | 0.0171 | 0.0147 | 0.0103 | 0.0275 | 0.0000275 | 18 | 0.00000797 | 0.000382 | 0.00032 | 0.00123 | 0.0887 |
| 2031 Mar | 97.8 | 0.00889 | 1.06 | 0.000893 | 19.8 | 0.0841 | 22.6 | 0.00000846 | 0.017 | 0.0144 | 0.0103 | 0.0274 | 0.0000274 | 17.9 | 0.0000079 | 0.000379 | 0.00032 | 0.00122 | 0.0885 |
| 2031 Apr | 97.6 | 0.00882 | 1.05 | 0.00089 | 19.8 | 0.0838 | 22.4 | 0.00000844 | 0.0169 | 0.0142 | 0.0102 | 0.0273 | 0.0000273 | 17.8 | 0.00000784 | 0.000377 | 0.00032 | 0.00121 | 0.0885 |
| 2031 May | 97 | 0.0091 | 1 | 0.000938 | 19.7 | 0.0825 | 21.6 | 0.00000842 | 0.0166 | 0.0134 | 0.0101 | 0.027 | 0.0000268 | 17.6 | 0.0000076 | 0.000369 | 0.000322 | 0.00119 | 0.0884 |
| 2031 Jun | 93.1 | 0.00406 | 0.964 | 0.000663 | 19.2 | 0.0795 | 19.6 | 0.00000813 | 0.0164 | 0.0115 | 0.0096 | 0.0259 | 0.0000253 | 16.6 | 0.00000702 | 0.000344 | 0.000314 | 0.00115 | 0.0854 |
| 2031 Jul | 93.1 | 0.000522 | 0.931 | 0.000768 | 19.3 | 0.0786 | 18.9 | 0.00000808 | 0.0161 | 0.0108 | 0.00954 | 0.0258 | 0.0000251 | 16.4 | 0.00000684 | 0.000337 | 0.000317 | 0.00113 | 0.0857 |
| 2031 Aug | 93.3 | 0.000544 | 0.925 | 0.000772 | 19.4 | 0.0787 | 18.9 | 0.00000812 | 0.0161 | 0.0107 | 0.00957 | 0.0258 | 0.0000251 | 16.4 | 0.00000684 | 0.000336 | 0.000318 | 0.00113 | 0.0859 |
| 2031 Sep | 90.8 | 0.000642 | 0.889 | 0.000759 | 18.8 | 0.0767 | 18.3 | 0.00000797 | 0.0157 | 0.0103 | 0.00938 | 0.0251 | 0.0000245 | 16 | 0.00000666 | 0.000326 | 0.00031 | 0.0011 | 0.0836 |
| 2031 Oct | 89.2 | 0.000711 | 0.863 | 0.00075 | 18.5 | 0.0754 | 17.8 | 0.00000788 | 0.0154 | 0.00995 | 0.00924 | 0.0247 | 0.0000241 | 15.6 | 0.00000658 | 0.000318 | 0.000305 | 0.00108 | 0.082 |
| 2031 Nov | 88.8 | 0.000751 | 0.85 | 0.000746 | 18.5 | 0.0749 | 17.6 | 0.00000784 | 0.0152 | 0.00977 | 0.00919 | 0.0246 | 0.0000239 | 15.5 | 0.00000653 | 0.000315 | 0.000304 | 0.00107 | 0.0817 |
| 2031 Dec | 88.6 | 0.000788 | 0.839 | 0.000743 | 18.4 | 0.0745 | 17.5 | 0.0000078 | 0.0151 | 0.00962 | 0.00915 | 0.0245 | 0.0000238 | 15.5 | 0.00000648 | 0.000313 | 0.000304 | 0.00106 | 0.0815 |
| 2032 Jan | 88.3 | 0.000825 | 0.828 | 0.00074 | 18.4 | 0.0741 | 17.3 | 0.00000777 | 0.015 | 0.00947 | 0.00911 | 0.0244 | 0.0000237 | 15.4 | 0.00000643 | 0.00031 | 0.000304 | 0.00105 | 0.0813 |
| 2032 Feb | 88.1 | 0.000859 | 0.818 | 0.000738 | 18.4 | 0.0737 | 17.2 | 0.00000774 | 0.0149 | 0.00933 | 0.00908 | 0.0243 | 0.0000236 | 15.3 | 0.00000638 | 0.000308 | 0.000303 | 0.00105 | 0.0812 |
| 2032 Mar | 87.9 | 0.000893 | 0.808 | 0.000735 | 18.3 | 0.0734 | 17 | 0.00000771 | 0.0148 | 0.00919 | 0.00904 | 0.0242 | 0.0000235 | 15.3 | 0.00000634 | 0.000306 | 0.000303 | 0.00104 | 0.081 |
| 2032 Apr | 87.7 | 0.000927 | 0.799 | 0.000733 | 18.3 | 0.073 | 16.9 | 0.00000769 | 0.0147 | 0.00906 | 0.00901 | 0.0241 | 0.0000234 | 15.2 | 0.00000629 | 0.000304 | 0.000303 | 0.00104 | 0.0809 |
| 2032 May | 87.2 | 0.00107 | 0.755 | 0.000725 | 18.3 | 0.0717 | 16.2 | 0.0000076 | 0.0143 | 0.00845 | 0.00889 | 0.0238 | 0.000023 | 15 | 0.00000611 | 0.000295 | 0.000304 | 0.00101 | 0.0807 |
| 2032 Jun | 81.3 | 0.000403 | 0.633 | 0.000686 | 17.1 | 0.0664 | 14.3 | 0.00000717 | 0.0127 | 0.00689 | 0.00831 | 0.0222 | 0.0000211 | 13.8 | 0.00000551 | 0.000261 | 0.000285 | 0.000911 | 0.0743 |
| 2032 Jul | 77.8 | 0.000486 | 0.567 | 0.000665 | 16.4 | 0.0633 | 13.2 | 0.00000693 | 0.0119 | 0.00608 | 0.00798 | 0.0212 | 0.0000201 | 13.1 | 0.00000518 | 0.000242 | 0.000274 | 0.000856 | 0.0705 |
| 2032 Aug | 77.6 | 0.000512 | 0.557 | 0.000666 | 16.4 | 0.0631 | 13 | 0.00000694 | 0.0118 | 0.00595 | 0.00798 | 0.0211 | 0.00002 | 13 | 0.00000515 | 0.000239 | 0.000274 | 0.00085 | 0.0703 |
| 2032 Sep | 77.3 | 0.000541 | 0.549 | 0.000666 | 16.4 | 0.0628 | 12.9 | 0.00000693 | 0.0118 | 0.00585 | 0.00796 | 0.021 | 0.00002 | 13 | 0.00000512 | 0.000237 | 0.000273 | 0.000846 | 0.0701 |
| 2032 Oct | 77.1 | 0.000561 | 0.543 | 0.000664 | 16.3 | 0.0626 | 12.8 | 0.00000691 | 0.0117 | 0.00577 | 0.00794 | 0.0209 | 0.0000199 | 12.9 | 0.00000511 | 0.000235 | 0.000273 | 0.000841 | 0.0698 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2032 Nov | 77 | 0.000572 | 0.537 | 0.000663 | 16.3 | 0.0624 | 12.7 | 0.0000069 | 0.0117 | 0.0057 | 0.00792 | 0.0209 | 0.0000198 | 12.9 | 0.00000509 | 0.000234 | 0.000273 | 0.000838 | 0.0697 |
| 2032 Dec | 76.9 | 0.000582 | 0.532 | 0.000662 | 16.3 | 0.0622 | 12.7 | 0.00000688 | 0.0116 | 0.00563 | 0.0079 | 0.0208 | 0.0000197 | 12.8 | 0.00000506 | 0.000233 | 0.000273 | 0.000835 | 0.0697 |
| 2033 Jan | 76.8 | 0.000592 | 0.527 | 0.00066 | 16.3 | 0.062 | 12.6 | 0.00000687 | 0.0116 | 0.00556 | 0.00787 | 0.0208 | 0.0000197 | 12.8 | 0.00000504 | 0.000232 | 0.000273 | 0.000832 | 0.0696 |
| 2033 Feb | 76.7 | 0.000601 | 0.523 | 0.000659 | 16.2 | 0.0619 | 12.5 | 0.00000685 | 0.0115 | 0.0055 | 0.00785 | 0.0208 | 0.0000196 | 12.8 | 0.00000501 | 0.00023 | 0.000272 | 0.000829 | 0.0696 |
| 2033 Mar | 76.6 | 0.00061 | 0.518 | 0.000657 | 16.2 | 0.0617 | 12.4 | 0.00000684 | 0.0115 | 0.00544 | 0.00783 | 0.0207 | 0.0000195 | 12.7 | 0.00000499 | 0.000229 | 0.000272 | 0.000827 | 0.0695 |
| 2033 Apr | 76.6 | 0.00062 | 0.514 | 0.000657 | 16.2 | 0.0616 | 12.4 | 0.00000683 | 0.0115 | 0.00538 | 0.00782 | 0.0207 | 0.0000195 | 12.7 | 0.00000497 | 0.000228 | 0.000273 | 0.000825 | 0.0695 |
| 2033 May | 75.3 | 0.000946 | 0.489 | 0.000651 | 16 | 0.0605 | 12 | 0.00000677 | 0.0112 | 0.00508 | 0.00772 | 0.0203 | 0.0000191 | 12.5 | 0.00000486 | 0.000221 | 0.000268 | 0.000805 | 0.0681 |
| 2033 Jun | 70.1 | 0.00046 | 0.412 | 0.000621 | 14.8 | 0.0563 | 10.6 | 0.00000643 | 0.0101 | 0.00416 | 0.00725 | 0.0189 | 0.0000177 | 11.5 | 0.00000444 | 0.000195 | 0.00025 | 0.000734 | 0.0624 |
| 2033 Jul | 70 | 0.000513 | 0.39 | 0.00062 | 14.8 | 0.0558 | 10.3 | 0.0000064 | 0.00992 | 0.00387 | 0.0072 | 0.0188 | 0.0000174 | 11.4 | 0.00000435 | 0.000189 | 0.000251 | 0.000724 | 0.0624 |
| 2033 Aug | 70.5 | 0.000534 | 0.388 | 0.000625 | 14.9 | 0.0561 | 10.3 | 0.00000646 | 0.00998 | 0.00383 | 0.00726 | 0.0189 | 0.0000175 | 11.4 | 0.00000438 | 0.00019 | 0.000253 | 0.000727 | 0.0628 |
| 2033 Sep | 69.3 | 0.000649 | 0.377 | 0.00062 | 14.7 | 0.0553 | 10.1 | 0.0000064 | 0.00982 | 0.00372 | 0.00718 | 0.0186 | 0.0000173 | 11.2 | 0.00000431 | 0.000186 | 0.000248 | 0.000714 | 0.0617 |
| 2033 Oct | 68.1 | 0.000731 | 0.365 | 0.000615 | 14.4 | 0.0545 | 9.84 | 0.00000634 | 0.00968 | 0.00359 | 0.00709 | 0.0183 | 0.000017 | 11 | 0.00000432 | 0.000181 | 0.000245 | 0.000703 | 0.0604 |
| 2033 Nov | 67.6 | 0.000819 | 0.358 | 0.000612 | 14.4 | 0.0542 | 9.72 | 0.00000631 | 0.00961 | 0.00351 | 0.00705 | 0.0181 | 0.0000169 | 10.9 | 0.00000431 | 0.000179 | 0.000243 | 0.000698 | 0.06 |
| 2033 Dec | 67.6 | 0.000901 | 0.354 | 0.00061 | 14.4 | 0.054 | 9.65 | 0.00000629 | 0.00958 | 0.00346 | 0.00703 | 0.0181 | 0.0000168 | 10.9 | 0.00000428 | 0.000178 | 0.000243 | 0.000696 | 0.0599 |
| 2034 Jan | 67.5 | 0.000983 | 0.35 | 0.000609 | 14.3 | 0.0539 | 9.58 | 0.00000628 | 0.00955 | 0.0034 | 0.00701 | 0.0181 | 0.0000168 | 10.9 | 0.00000426 | 0.000176 | 0.000243 | 0.000694 | 0.0599 |
| 2034 Feb | 67.5 | 0.00106 | 0.346 | 0.000608 | 14.3 | 0.0537 | 9.51 | 0.00000626 | 0.00952 | 0.00336 | 0.00699 | 0.018 | 0.0000167 | 10.8 | 0.00000424 | 0.000175 | 0.000244 | 0.000692 | 0.0599 |
| 2034 Mar | 67.4 | 0.00113 | 0.343 | 0.000607 | 14.3 | 0.0536 | 9.45 | 0.00000625 | 0.0095 | 0.00331 | 0.00697 | 0.018 | 0.0000166 | 10.8 | 0.00000422 | 0.000174 | 0.000244 | 0.00069 | 0.0599 |
| 2034 Apr | 67.5 | 0.00121 | 0.339 | 0.000606 | 14.3 | 0.0535 | 9.4 | 0.00000624 | 0.00948 | 0.00326 | 0.00695 | 0.018 | 0.0000166 | 10.8 | 0.0000042 | 0.000173 | 0.000244 | 0.000688 | 0.0599 |
| 2034 May | 67.5 | 0.00158 | 0.323 | 0.000606 | 14.3 | 0.054 | 9.3 | 0.00000625 | 0.00983 | 0.00324 | 0.00692 | 0.0181 | 0.0000164 | 10.8 | 0.00000419 | 0.00017 | 0.000244 | 0.000699 | 0.0599 |
| 2034 Jun | 62.3 | 0.000426 | 0.256 | 0.000583 | 12.8 | 0.0623 | 9.66 | 0.00000624 | 0.0151 | 0.00419 | 0.00663 | 0.0185 | 0.0000155 | 10 | 0.00000445 | 0.000168 | 0.000218 | 0.000884 | 0.0523 |
| 2034 Jul | 62.5 | 0.000241 | 0.245 | 0.000584 | 12.8 | 0.0628 | 9.49 | 0.00000626 | 0.0154 | 0.00397 | 0.00663 | 0.0186 | 0.0000154 | 9.99 | 0.00000442 | 0.000165 | 0.00022 | 0.000892 | 0.0525 |
| 2034 Aug | 63.5 | 0.000259 | 0.246 | 0.000593 | 13 | 0.0634 | 9.57 | 0.00000635 | 0.0154 | 0.00397 | 0.00672 | 0.0189 | 0.0000156 | 10.1 | 0.00000446 | 0.000166 | 0.000224 | 0.000899 | 0.0534 |
| 2034 Sep | 63 | 0.000376 | 0.242 | 0.000601 | 12.9 | 0.0646 | 9.59 | 0.00000638 | 0.0162 | 0.00394 | 0.00672 | 0.019 | 0.0000156 | 10.1 | 0.00000449 | 0.000167 | 0.000222 | 0.000924 | 0.0528 |
| 2034 Oct | 61.6 | 0.000577 | 0.232 | 0.000616 | 12.6 | 0.0671 | 9.62 | 0.00000641 | 0.0178 | 0.00387 | 0.00669 | 0.0192 | 0.0000155 | 9.86 | 0.00000457 | 0.000169 | 0.000216 | 0.000977 | 0.0513 |
| 2034 Nov | 61.5 | 0.000633 | 0.23 | 0.000617 | 12.6 | 0.0671 | 9.58 | 0.0000064 | 0.0178 | 0.00382 | 0.00667 | 0.0192 | 0.0000154 | 9.84 | 0.00000457 | 0.000169 | 0.000216 | 0.000978 | 0.0512 |
| 2034 Dec | 61.5 | 0.000677 | 0.229 | 0.000616 | 12.6 | 0.0668 | 9.52 | 0.00000639 | 0.0177 | 0.00377 | 0.00666 | 0.0191 | 0.0000154 | 9.83 | 0.00000455 | 0.000168 | 0.000216 | 0.000972 | 0.0513 |
| 2035 Jan | 61.5 | 0.000721 | 0.227 | 0.000615 | 12.6 | 0.0665 | 9.46 | 0.00000638 | 0.0175 | 0.00372 | 0.00665 | 0.0191 | 0.0000154 | 9.82 | 0.00000452 | 0.000167 | 0.000217 | 0.000966 | 0.0514 |
| 2035 Feb | 61.6 | 0.000761 | 0.226 | 0.000614 | 12.6 | 0.0662 | 9.41 | 0.00000636 | 0.0174 | 0.00368 | 0.00663 | 0.019 | 0.0000153 | 9.82 | 0.0000045 | 0.000166 | 0.000217 | 0.00096 | 0.0515 |
| 2035 Mar | 61.6 | 0.0008 | 0.225 | 0.000613 | 12.6 | 0.0659 | 9.35 | 0.00000635 | 0.0173 | 0.00363 | 0.00662 | 0.019 | 0.0000153 | 9.81 | 0.00000448 | 0.000165 | 0.000217 | 0.000955 | 0.0516 |
| 2035 Apr | 61.7 | 0.000841 | 0.224 | 0.000612 | 12.7 | 0.0657 | 9.31 | 0.00000634 | 0.0171 | 0.00359 | 0.00662 | 0.0189 | 0.0000152 | 9.81 | 0.00000446 | 0.000164 | 0.000218 | 0.00095 | 0.0517 |
| 2035 May | 62.4 | 0.00106 | 0.219 | 0.000613 | 12.9 | 0.0648 | 9.12 | 0.00000634 | 0.0167 | 0.0034 | 0.00661 | 0.0189 | 0.0000152 | 9.87 | 0.0000044 | 0.000161 | 0.000222 | 0.000932 | 0.0526 |
| 2035 Jun | 57 | 0.000718 | 0.177 | 0.000631 | 11.6 | 0.0748 | 9.05 | 0.00000649 | 0.0234 | 0.00274 | 0.00649 | 0.0199 | 0.0000148 | 9.09 | 0.00000459 | 0.00017 | 0.000199 | 0.00112 | 0.046 |
| 2035 Jul | 56.9 | 0.000872 | 0.169 | 0.000623 | 11.6 | 0.0745 | 8.84 | 0.00000647 | 0.0232 | 0.0025 | 0.00646 | 0.0198 | 0.0000147 | 9.03 | 0.00000452 | 0.000166 | 0.000199 | 0.00111 | 0.0458 |
| 2035 Aug | 57.3 | 0.000895 | 0.169 | 0.00063 | 11.7 | 0.0749 | 8.87 | 0.00000653 | 0.0233 | 0.00248 | 0.00652 | 0.0199 | 0.0000148 | 9.09 | 0.00000455 | 0.000167 | 0.000201 | 0.00112 | 0.0462 |
| 2035 Sep | 55.8 | 0.000311 | 0.162 | 0.000643 | 11.3 | 0.0783 | 8.96 | 0.00000661 | 0.0254 | 0.00235 | 0.00653 | 0.0202 | 0.0000148 | 8.9 | 0.00000464 | 0.000172 | 0.000195 | 0.00119 | 0.0447 |
| 2035 Oct | 54.5 | 0.000359 | 0.156 | 0.000648 | 11 | 0.0801 | 8.95 | 0.00000663 | 0.0266 | 0.00224 | 0.0065 | 0.0203 | 0.0000147 | 8.72 | 0.00000471 | 0.000173 | 0.00019 | 0.00123 | 0.0434 |
| 2035 Nov | 54.2 | 0.00045 | 0.153 | 0.00065 | 11 | 0.0805 | 8.92 | 0.00000662 | 0.0268 | 0.00218 | 0.00648 | 0.0203 | 0.0000147 | 8.67 | 0.00000473 | 0.000173 | 0.000189 | 0.00124 | 0.0431 |
| 2035 Dec | 54.3 | 0.000505 | 0.153 | 0.000648 | 11 | 0.0799 | 8.86 | 0.0000066 | 0.0265 | 0.00216 | 0.00646 | 0.0203 | 0.0000146 | 8.67 | 0.0000047 | 0.000172 | 0.000189 | 0.00123 | 0.0432 |
| 2036 Jan | 54.4 | 0.000558 | 0.152 | 0.000646 | 11 | 0.0793 | 8.8 | 0.00000658 | 0.0262 | 0.00213 | 0.00645 | 0.0202 | 0.0000146 | 8.67 | 0.00000467 | 0.00017 | 0.00019 | 0.00122 | 0.0434 |
| 2036 Feb | 54.5 | 0.000609 | 0.152 | 0.000644 | 11.1 | 0.0787 | 8.74 | 0.00000656 | 0.0259 | 0.00211 | 0.00643 | 0.0201 | 0.0000145 | 8.68 | 0.00000464 | 0.000169 | 0.000191 | 0.00121 | 0.0436 |
| 2036 Mar | 54.6 | 0.000658 | 0.151 | 0.000642 | 11.1 | 0.0781 | 8.68 | 0.00000654 | 0.0256 | 0.00208 | 0.00642 | 0.02 | 0.0000145 | 8.68 | 0.00000461 | 0.000168 | 0.000191 | 0.00119 | 0.0438 |
| 2036 Apr | 54.8 | 0.000708 | 0.151 | 0.000641 | 11.1 | 0.0777 | 8.64 | 0.00000653 | 0.0253 | 0.00206 | 0.00641 | 0.02 | 0.0000145 | 8.69 | 0.00000459 | 0.000167 | 0.000192 | 0.00119 | 0.044 |
| 2036 May | 55.8 | 0.000924 | 0.15 | 0.000638 | 11.4 | 0.0757 | 8.45 | 0.0000065 | 0.0242 | 0.00196 | 0.00641 | 0.0198 | 0.0000144 | 8.79 | 0.0000045 | 0.000162 | 0.000197 | 0.00115 | 0.0452 |
| 2036 Jun | 53.5 | 0.000465 | 0.134 | 0.000636 | 10.9 | 0.0787 | 8.31 | 0.0000065 | 0.026 | 0.00161 | 0.00632 | 0.02 | 0.0000141 | 8.44 | 0.00000449 | 0.000162 | 0.000188 | 0.0012 | 0.0422 |
| 2036 Jul | 52.6 | 0.000608 | 0.125 | 0.000625 | 10.7 | 0.0795 | 8.2 | 0.00000648 | 0.0263 | 0.00144 | 0.00627 | 0.02 | 0.0000139 | 8.3 | 0.00000446 | 0.00016 | 0.000184 | 0.00122 | 0.041 |
| 2036 Aug | 53.1 | 0.000639 | 0.126 | 0.000632 | 10.8 | 0.0801 | 8.25 | 0.00000655 | 0.0264 | 0.00144 | 0.00633 | 0.0201 | 0.0000141 | 8.37 | 0.00000449 | 0.000161 | 0.000186 | 0.00123 | 0.0415 |
| 2036 Sep | 52.9 | 0.000723 | 0.124 | 0.00064 | 10.7 | 0.0813 | 8.3 | 0.00000659 | 0.0271 | 0.00141 | 0.00635 | 0.0203 | 0.0000141 | 8.35 | 0.00000453 | 0.000163 | 0.000185 | 0.00125 | 0.0413 |
| 2036 Oct | 51.8 | 0.000938 | 0.121 | 0.00065 | 10.5 | 0.0831 | 8.35 | 0.00000662 | 0.0283 | 0.00135 | 0.00634 | 0.0204 | 0.0000141 | 8.2 | 0.00000461 | 0.000166 | 0.000181 | 0.00129 | 0.0401 |
| 2036 Nov | 51.8 | 0.000995 | 0.12 | 0.000651 | 10.5 | 0.0829 | 8.33 | 0.00000661 | 0.0283 | 0.00134 | 0.00634 | 0.0204 | 0.0000141 | 8.2 | 0.0000046 | 0.000165 | 0.000181 | 0.00129 | 0.0402 |
| 2036 Dec | 52 | 0.00104 | 0.12 | 0.000649 | 10.5 | 0.0823 | 8.28 | 0.00000659 | 0.028 | 0.00133 | 0.00632 | 0.0203 | 0.000014 | 8.21 | 0.00000458 | 0.000164 | 0.000182 | 0.00128 | 0.0404 |
| 2037 Jan | 52.1 | 0.00108 | 0.12 | 0.000647 | 10.6 | 0.0817 | 8.23 | 0.00000657 | 0.0276 | 0.00132 | 0.00631 | 0.0202 | 0.000014 | 8.22 | 0.00000455 | 0.000163 | 0.000183 | 0.00126 | 0.0406 |
| 2037 Feb | 52.2 | 0.00112 | 0.12 | 0.000646 | 10.6 | 0.0811 | 8.18 | 0.00000655 | 0.0273 | 0.00131 | 0.0063 | 0.0201 | 0.000014 | 8.23 | 0.00000453 | 0.000161 | 0.000183 | 0.00125 | 0.0408 |
| 2037 Mar | 52.3 | 0.00116 | 0.12 | 0.000644 | 10.6 | 0.0806 | 8.13 | 0.00000654 | 0.027 | 0.0013 | 0.00629 | 0.0201 | 0.0000139 | 8.24 | 0.0000045 | 0.00016 | 0.000184 | 0.00124 | 0.041 |
| 2037 Apr | 52.5 | 0.0012 | 0.12 | 0.000642 | 10.7 | 0.08 | 8.09 | 0.00000652 | 0.0267 | 0.00129 | 0.00628 | 0.02 | 0.0000139 | 8.25 | 0.00000448 | 0.000159 | 0.000185 | 0.00123 | 0.0412 |
| 2037 May | 51.8 | 0.0017 | 0.115 | 0.000646 | 10.5 | 0.0809 | 8.06 | 0.00000655 | 0.0278 | 0.0012 | 0.00627 | 0.0201 | 0.0000139 | 8.15 | 0.00000451 | 0.000161 | 0.000182 | 0.00125 | 0.0405 |
| 2037 Jun | 46.9 | 0.000697 | 0.0947 | 0.00059 | 9.3 | 0.0833 | 7.86 | 0.0000064 | 0.0299 | 0.000944 | 0.00601 | 0.0198 | 0.0000133 | 7.45 | 0.00000445 | 0.000161 | 0.000161 | 0.00131 | 0.0352 |
| 2037 Jul | 47.5 | 0.000815 | 0.0939 | 0.000581 | 9.46 | 0.0812 | 7.68 | 0.00000634 | 0.0286 | 0.000896 | 0.00597 | 0.0195 | 0.0000131 | 7.49 | 0.00000435 | 0.000156 | 0.000164 | 0.00127 | 0.0359 |
| 2037 Aug | 48.1 | 0.000841 | 0.0948 | 0.000588 | 9.6 | 0.0814 | 7.7 | 0.0000064 | 0.0285 | 0.000893 | 0.00603 | 0.0197 | 0.0000133 | 7.58 | 0.00000438 | 0.000156 | 0.000167 | 0.00127 | 0.0365 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2037 Sep | 48.6 | 0.000887 | 0.0954 | 0.000596 | 9.69 | 0.0821 | 7.76 | 0.00000646 | 0.0288 | 0.000892 | 0.00609 | 0.0198 | 0.0000134 | 7.64 | 0.00000441 | 0.000157 | 0.000168 | 0.00128 | 0.0369 |
| 2037 Oct | 48.5 | 0.000971 | 0.0952 | 0.000606 | 9.68 | 0.0827 | 7.79 | 0.00000648 | 0.0292 | 0.000881 | 0.0061 | 0.0199 | 0.0000134 | 7.63 | 0.00000446 | 0.000158 | 0.000168 | 0.00129 | 0.0368 |
| 2037 Nov | 48.6 | 0.00102 | 0.0955 | 0.00061 | 9.73 | 0.0824 | 7.76 | 0.00000648 | 0.0291 | 0.000873 | 0.0061 | 0.0199 | 0.0000134 | 7.65 | 0.00000446 | 0.000158 | 0.000169 | 0.00128 | 0.037 |
| 2037 Dec | 49 | 0.00105 | 0.096 | 0.000608 | 9.82 | 0.0813 | 7.68 | 0.00000645 | 0.0285 | 0.000865 | 0.00608 | 0.0197 | 0.0000133 | 7.68 | 0.00000441 | 0.000155 | 0.000171 | 0.00126 | 0.0374 |
| 2038 Jan | 49.4 | 0.0011 | 0.0967 | 0.000606 | 9.93 | 0.08 | 7.59 | 0.00000641 | 0.0278 | 0.000856 | 0.00606 | 0.0196 | 0.0000133 | 7.71 | 0.00000436 | 0.000152 | 0.000173 | 0.00124 | 0.0379 |
| 2038 Feb | 49.8 | 0.00114 | 0.0974 | 0.000603 | 10.1 | 0.0785 | 7.48 | 0.00000636 | 0.0269 | 0.000846 | 0.00603 | 0.0194 | 0.0000132 | 7.75 | 0.0000043 | 0.000149 | 0.000175 | 0.00121 | 0.0385 |
| 2038 Mar | 50.2 | 0.00118 | 0.098 | 0.0006 | 10.2 | 0.0769 | 7.36 | 0.00000631 | 0.026 | 0.000836 | 0.006 | 0.0192 | 0.0000131 | 7.78 | 0.00000423 | 0.000146 | 0.000177 | 0.00118 | 0.0391 |
| 2038 Apr | 50.2 | 0.00119 | 0.0981 | 0.0006 | 10.2 | 0.0767 | 7.35 | 0.00000631 | 0.0259 | 0.000835 | 0.006 | 0.0192 | 0.0000131 | 7.79 | 0.00000422 | 0.000146 | 0.000177 | 0.00117 | 0.0391 |
| 2038 May | 49.5 | 0.00158 | 0.0958 | 0.00063 | 9.96 | 0.0816 | 7.67 | 0.00000652 | 0.029 | 0.000825 | 0.00613 | 0.0199 | 0.0000134 | 7.75 | 0.00000444 | 0.000156 | 0.000173 | 0.00126 | 0.0379 |
| 2038 Jun | 45.5 | 0.000473 | 0.0828 | 0.00065 | 8.89 | 0.0904 | 8.08 | 0.00000676 | 0.0351 | 0.000706 | 0.00619 | 0.0209 | 0.0000136 | 7.27 | 0.00000476 | 0.000173 | 0.000153 | 0.00142 | 0.0329 |
| 2038 Jul | 48 | 0.000332 | 0.0875 | 0.00064 | 9.53 | 0.0849 | 7.73 | 0.00000665 | 0.0315 | 0.000698 | 0.00617 | 0.0203 | 0.0000135 | 7.53 | 0.00000455 | 0.000161 | 0.000165 | 0.00131 | 0.0357 |
| 2038 Aug | 49.2 | 0.000368 | 0.0896 | 0.000645 | 9.82 | 0.0837 | 7.67 | 0.00000669 | 0.0305 | 0.000703 | 0.00624 | 0.0203 | 0.0000136 | 7.69 | 0.00000453 | 0.000159 | 0.00017 | 0.00129 | 0.037 |
| 2038 Sep | 49.6 | 0.000588 | 0.0906 | 0.000662 | 9.92 | 0.0844 | 7.72 | 0.00000675 | 0.0308 | 0.000698 | 0.00629 | 0.0204 | 0.0000137 | 7.74 | 0.00000455 | 0.000159 | 0.000171 | 0.0013 | 0.0375 |
| 2038 Oct | 49.5 | 0.00104 | 0.0914 | 0.000688 | 9.93 | 0.0855 | 7.78 | 0.00000677 | 0.0314 | 0.00068 | 0.00629 | 0.0205 | 0.0000137 | 7.74 | 0.00000461 | 0.000161 | 0.000172 | 0.00133 | 0.0376 |
| 2038 Nov | 51.1 | 0.00118 | 0.0945 | 0.000667 | 10.4 | 0.0796 | 7.37 | 0.00000656 | 0.028 | 0.000671 | 0.00617 | 0.0198 | 0.0000133 | 7.87 | 0.00000436 | 0.000148 | 0.00018 | 0.00122 | 0.0397 |
| 2038 Dec | 51.9 | 0.00126 | 0.0962 | 0.000651 | 10.6 | 0.0756 | 7.09 | 0.00000642 | 0.0257 | 0.000664 | 0.00608 | 0.0192 | 0.000013 | 7.94 | 0.00000419 | 0.00014 | 0.000184 | 0.00114 | 0.0409 |
| 2039 Jan | 52 | 0.00129 | 0.0966 | 0.000655 | 10.6 | 0.0758 | 7.1 | 0.00000643 | 0.0258 | 0.000665 | 0.00608 | 0.0193 | 0.0000131 | 7.96 | 0.00000419 | 0.00014 | 0.000185 | 0.00114 | 0.0411 |
| 2039 Feb | 52.2 | 0.0014 | 0.0979 | 0.000679 | 10.7 | 0.0782 | 7.28 | 0.00000651 | 0.0271 | 0.000667 | 0.00614 | 0.0197 | 0.0000132 | 8 | 0.00000429 | 0.000145 | 0.000185 | 0.00119 | 0.0411 |
| 2039 Mar | 52.2 | 0.00144 | 0.0982 | 0.00068 | 10.7 | 0.0781 | 7.27 | 0.0000065 | 0.027 | 0.000666 | 0.00614 | 0.0197 | 0.0000132 | 8 | 0.00000428 | 0.000144 | 0.000185 | 0.00119 | 0.0412 |
| 2039 Apr | 52.2 | 0.00145 | 0.0982 | 0.000679 | 10.7 | 0.0778 | 7.25 | 0.0000065 | 0.0269 | 0.000665 | 0.00613 | 0.0196 | 0.0000132 | 8 | 0.00000427 | 0.000144 | 0.000185 | 0.00118 | 0.0412 |
| 2039 May | 52 | 0.00145 | 0.0979 | 0.000679 | 10.6 | 0.0777 | 7.23 | 0.00000648 | 0.0269 | 0.000663 | 0.00611 | 0.0196 | 0.0000132 | 7.97 | 0.00000426 | 0.000144 | 0.000184 | 0.00118 | 0.0411 |
| 2039 Jun | 44.8 | 0.00113 | 0.0781 | 0.0007 | 8.79 | 0.124 | 10.4 | 0.00000826 | 0.0562 | 0.000754 | 0.00717 | 0.0268 | 0.0000161 | 7.63 | 0.00000631 | 0.000248 | 0.000144 | 0.00196 | 0.0282 |
| 2039 Jul | 44.3 | 0.000787 | 0.07 | 0.000582 | 8.77 | 0.0988 | 8.45 | 0.00000707 | 0.0405 | 0.000623 | 0.00633 | 0.0223 | 0.0000139 | 7.22 | 0.00000506 | 0.000188 | 0.000149 | 0.00154 | 0.03 |
| 2039 Aug | 46.5 | 0.000945 | 0.0747 | 0.000583 | 9.29 | 0.0925 | 8.03 | 0.00000691 | 0.0362 | 0.000612 | 0.00628 | 0.0215 | 0.0000137 | 7.42 | 0.0000048 | 0.000173 | 0.00016 | 0.00144 | 0.0333 |
| 2039 Sep | 48.7 | 0.000654 | 0.0812 | 0.000609 | 9.82 | 0.0884 | 7.8 | 0.00000686 | 0.0335 | 0.000619 | 0.0063 | 0.021 | 0.0000136 | 7.66 | 0.00000466 | 0.000164 | 0.00017 | 0.00136 | 0.0362 |
| 2039 Oct | 50.2 | 0.000717 | 0.0866 | 0.0006 | 10.3 | 0.0785 | 7.12 | 0.00000648 | 0.028 | 0.000609 | 0.00605 | 0.0195 | 0.000013 | 7.74 | 0.00000424 | 0.000144 | 0.000178 | 0.00119 | 0.0389 |
| 2039 Nov | 51.3 | 0.000696 | 0.0896 | 0.000585 | 10.6 | 0.0723 | 6.69 | 0.00000625 | 0.0244 | 0.000604 | 0.00591 | 0.0186 | 0.0000126 | 7.81 | 0.00000398 | 0.000131 | 0.000184 | 0.00107 | 0.0405 |
| 2039 Dec | 52 | 0.000706 | 0.0915 | 0.000574 | 10.8 | 0.0678 | 6.39 | 0.00000609 | 0.0219 | 0.000601 | 0.00581 | 0.018 | 0.0000123 | 7.85 | 0.0000038 | 0.000121 | 0.000188 | 0.000989 | 0.0415 |
| 2040 Jan | 52.3 | 0.000718 | 0.0923 | 0.00057 | 10.9 | 0.0659 | 6.26 | 0.00000602 | 0.0207 | 0.0006 | 0.00576 | 0.0177 | 0.0000122 | 7.87 | 0.00000371 | 0.000117 | 0.000189 | 0.000953 | 0.042 |
| 2040 Feb | 52.5 | 0.000725 | 0.0927 | 0.000568 | 10.9 | 0.0649 | 6.19 | 0.00000599 | 0.0202 | 0.000599 | 0.00574 | 0.0176 | 0.0000121 | 7.88 | 0.00000368 | 0.000115 | 0.00019 | 0.000936 | 0.0422 |
| 2040 Mar | 52.6 | 0.000729 | 0.0929 | 0.000567 | 10.9 | 0.0645 | 6.17 | 0.00000597 | 0.02 | 0.000599 | 0.00573 | 0.0175 | 0.0000121 | 7.88 | 0.00000366 | 0.000115 | 0.00019 | 0.000928 | 0.0423 |
| 2040 Apr | 52.6 | 0.000732 | 0.0929 | 0.000567 | 11 | 0.0644 | 6.16 | 0.00000597 | 0.0199 | 0.000598 | 0.00573 | 0.0175 | 0.0000121 | 7.88 | 0.00000365 | 0.000114 | 0.000191 | 0.000925 | 0.0424 |
| 2040 May | 48.8 | 0.00161 | 0.0893 | 0.000664 | 10 | 0.0751 | 6.86 | 0.00000625 | 0.0269 | 0.000598 | 0.00584 | 0.0188 | 0.0000125 | 7.5 | 0.00000408 | 0.000139 | 0.000173 | 0.00113 | 0.038 |
| 2040 Jun | 40.7 | 0.000756 | 0.0642 | 0.000689 | 7.58 | 0.104 | 8.77 | 0.00000715 | 0.0432 | 0.000561 | 0.00633 | 0.0226 | 0.000014 | 6.71 | 0.0000052 | 0.000197 | 0.000129 | 0.00168 | 0.0261 |
| 2040 Jul | 45.3 | 0.000365 | 0.0741 | 0.000626 | 8.89 | 0.0872 | 7.63 | 0.0000066 | 0.0327 | 0.000558 | 0.00603 | 0.0203 | 0.0000131 | 7.14 | 0.00000449 | 0.000159 | 0.000153 | 0.00136 | 0.0324 |
| 2040 Aug | 46.9 | 0.0006 | 0.0777 | 0.000625 | 9.31 | 0.0832 | 7.36 | 0.00000653 | 0.0303 | 0.000564 | 0.00602 | 0.0198 | 0.000013 | 7.3 | 0.00000435 | 0.000151 | 0.000162 | 0.00129 | 0.0347 |
| 2040 Sep | 46.6 | 0.000344 | 0.0795 | 0.000646 | 9.3 | 0.0842 | 7.41 | 0.00000656 | 0.0312 | 0.000565 | 0.00604 | 0.0199 | 0.000013 | 7.29 | 0.00000439 | 0.000153 | 0.000161 | 0.00132 | 0.0352 |
| 2040 Oct | 47.8 | 0.000263 | 0.0824 | 0.000633 | 9.62 | 0.0797 | 7.11 | 0.0000064 | 0.0287 | 0.000568 | 0.00594 | 0.0193 | 0.0000127 | 7.38 | 0.00000421 | 0.000144 | 0.000167 | 0.00123 | 0.0367 |
| 2040 Nov | 48.2 | 0.000273 | 0.0833 | 0.000631 | 9.72 | 0.0787 | 7.05 | 0.00000638 | 0.028 | 0.00057 | 0.00593 | 0.0192 | 0.0000127 | 7.43 | 0.00000417 | 0.000142 | 0.000169 | 0.00121 | 0.0371 |
| 2040 Dec | 48.9 | 0.000301 | 0.0849 | 0.000623 | 9.93 | 0.0757 | 6.85 | 0.00000629 | 0.0263 | 0.000571 | 0.00589 | 0.0188 | 0.0000125 | 7.49 | 0.00000406 | 0.000136 | 0.000173 | 0.00116 | 0.0381 |
| 2041 Jan | 49.3 | 0.000319 | 0.0858 | 0.000617 | 10 | 0.0737 | 6.72 | 0.00000623 | 0.0252 | 0.000571 | 0.00585 | 0.0186 | 0.0000124 | 7.53 | 0.00000398 | 0.000132 | 0.000175 | 0.00112 | 0.0386 |
| 2041 Feb | 49.5 | 0.000328 | 0.0862 | 0.000614 | 10.1 | 0.0728 | 6.65 | 0.00000619 | 0.0246 | 0.000571 | 0.00583 | 0.0184 | 0.0000124 | 7.54 | 0.00000394 | 0.00013 | 0.000176 | 0.0011 | 0.0389 |
| 2041 Mar | 49.6 | 0.000334 | 0.0864 | 0.000612 | 10.1 | 0.0724 | 6.63 | 0.00000618 | 0.0244 | 0.000571 | 0.00582 | 0.0184 | 0.0000124 | 7.55 | 0.00000392 | 0.000129 | 0.000176 | 0.00109 | 0.0389 |
| 2041 Apr | 49.6 | 0.000337 | 0.0865 | 0.000612 | 10.1 | 0.0722 | 6.62 | 0.00000618 | 0.0243 | 0.000571 | 0.00582 | 0.0183 | 0.0000124 | 7.55 | 0.00000392 | 0.000128 | 0.000176 | 0.00109 | 0.039 |
| 2041 May | 50.6 | 0.00099 | 0.0934 | 0.000697 | 10.4 | 0.0757 | 6.92 | 0.00000636 | 0.0266 | 0.000603 | 0.00595 | 0.0191 | 0.0000127 | 7.73 | 0.0000041 | 0.000137 | 0.00018 | 0.00114 | 0.0398 |
| 2041 Jun | 47 | 0.000847 | 0.0824 | 0.000753 | 9.49 | 0.0926 | 8.1 | 0.00000689 | 0.0355 | 0.000604 | 0.00626 | 0.0215 | 0.0000136 | 7.46 | 0.00000474 | 0.00017 | 0.000159 | 0.00143 | 0.0325 |
| 2041 Jul | 45.2 | 0.000327 | 0.0728 | 0.00066 | 8.99 | 0.0913 | 7.92 | 0.0000067 | 0.0338 | 0.000548 | 0.0061 | 0.021 | 0.0000132 | 7.19 | 0.00000458 | 0.000163 | 0.000153 | 0.00143 | 0.0308 |
| 2041 Aug | 45.6 | 0.000527 | 0.0735 | 0.000651 | 9.08 | 0.0895 | 7.76 | 0.00000669 | 0.0329 | 0.000542 | 0.00612 | 0.0207 | 0.0000132 | 7.22 | 0.00000452 | 0.000159 | 0.000157 | 0.00141 | 0.0325 |
| 2041 Sep | 46.7 | 0.000658 | 0.0768 | 0.000646 | 9.36 | 0.0857 | 7.5 | 0.00000659 | 0.0309 | 0.000548 | 0.00606 | 0.0201 | 0.000013 | 7.31 | 0.00000438 | 0.000152 | 0.000162 | 0.00134 | 0.0343 |
| 2041 Oct | 46.6 | 0.000467 | 0.0786 | 0.000646 | 9.39 | 0.0827 | 7.28 | 0.00000646 | 0.0297 | 0.000545 | 0.00596 | 0.0196 | 0.0000128 | 7.27 | 0.00000427 | 0.000147 | 0.000163 | 0.00129 | 0.035 |
| 2041 Nov | 48 | 0.000629 | 0.0816 | 0.000628 | 9.76 | 0.0771 | 6.91 | 0.00000628 | 0.0266 | 0.00055 | 0.00586 | 0.0189 | 0.0000125 | 7.38 | 0.00000406 | 0.000136 | 0.000169 | 0.00118 | 0.0367 |
| 2041 Dec | 48.1 | 0.000655 | 0.0819 | 0.000625 | 9.8 | 0.0762 | 6.84 | 0.00000625 | 0.0261 | 0.000549 | 0.00584 | 0.0188 | 0.0000124 | 7.39 | 0.00000402 | 0.000134 | 0.00017 | 0.00117 | 0.0369 |
| 2042 Jan | 48.2 | 0.00067 | 0.082 | 0.000623 | 9.82 | 0.0757 | 6.81 | 0.00000623 | 0.0258 | 0.00055 | 0.00583 | 0.0187 | 0.0000124 | 7.4 | 0.000004 | 0.000133 | 0.000171 | 0.00116 | 0.0371 |
| 2042 Feb | 48.4 | 0.000701 | 0.0825 | 0.000622 | 9.88 | 0.0751 | 6.77 | 0.00000622 | 0.0254 | 0.000551 | 0.00582 | 0.0186 | 0.0000124 | 7.42 | 0.00000398 | 0.000131 | 0.000172 | 0.00114 | 0.0373 |
| 2042 Mar | 48.6 | 0.00074 | 0.0829 | 0.000619 | 9.94 | 0.0741 | 6.7 | 0.00000619 | 0.0249 | 0.000551 | 0.0058 | 0.0185 | 0.0000123 | 7.43 | 0.00000394 | 0.000129 | 0.000173 | 0.00113 | 0.0376 |
| 2042 Apr | 48.7 | 0.000754 | 0.083 | 0.000618 | 9.95 | 0.0738 | 6.68 | 0.00000618 | 0.0247 | 0.000551 | 0.0058 | 0.0184 | 0.0000123 | 7.44 | 0.00000392 | 0.000129 | 0.000173 | 0.00112 | 0.0376 |
| 2042 May | 47.6 | 0.00158 | 0.0849 | 0.000668 | 9.74 | 0.0756 | 6.81 | 0.00000618 | 0.0268 | 0.000564 | 0.00575 | 0.0187 | 0.0000123 | 7.32 | 0.00000401 | 0.000135 | 0.000168 | 0.00115 | 0.0368 |
| 2042 Jun | 44.5 | 0.000669 | 0.0735 | 0.000674 | 8.89 | 0.0896 | 7.78 | 0.00000661 | 0.0339 | 0.000556 | 0.006 | 0.0206 | 0.000013 | 7.08 | 0.00000453 | 0.000162 | 0.00015 | 0.0014 | 0.0305 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2042 Jul | 43.5 | 0.000635 | 0.0665 | 0.000613 | 8.57 | 0.09 | 7.74 | 0.00000655 | 0.0333 | 0.000521 | 0.00594 | 0.0205 | 0.0000129 | 6.93 | 0.00000447 | 0.00016 | 0.000147 | 0.00142 | 0.0294 |
| 2042 Aug | 42.6 | 0.000892 | 0.0644 | 0.000601 | 8.36 | 0.0899 | 7.68 | 0.00000653 | 0.0337 | 0.000511 | 0.00592 | 0.0203 | 0.0000128 | 6.81 | 0.00000447 | 0.00016 | 0.000145 | 0.00143 | 0.0296 |
| 2042 Sep | 42.8 | 0.000669 | 0.0657 | 0.000605 | 8.41 | 0.0892 | 7.63 | 0.00000653 | 0.0335 | 0.000514 | 0.00593 | 0.0202 | 0.0000128 | 6.82 | 0.00000447 | 0.000159 | 0.000146 | 0.00142 | 0.0302 |
| 2042 Oct | 41.5 | 0.000827 | 0.0638 | 0.00061 | 8.1 | 0.0907 | 7.7 | 0.00000654 | 0.0348 | 0.000505 | 0.00591 | 0.0202 | 0.0000128 | 6.67 | 0.00000459 | 0.000163 | 0.000141 | 0.00146 | 0.0293 |
| 2042 Nov | 42.4 | 0.00105 | 0.0657 | 0.000604 | 8.35 | 0.0877 | 7.51 | 0.00000646 | 0.0331 | 0.00051 | 0.00587 | 0.0199 | 0.0000127 | 6.76 | 0.00000448 | 0.000157 | 0.000145 | 0.0014 | 0.0305 |
| 2042 Dec | 43.3 | 0.00126 | 0.0677 | 0.000597 | 8.6 | 0.0844 | 7.29 | 0.00000636 | 0.0312 | 0.000513 | 0.00582 | 0.0194 | 0.0000125 | 6.84 | 0.00000435 | 0.00015 | 0.00015 | 0.00134 | 0.0316 |
| 2043 Jan | 44.2 | 0.00146 | 0.0695 | 0.000591 | 8.84 | 0.0811 | 7.07 | 0.00000627 | 0.0293 | 0.000517 | 0.00577 | 0.019 | 0.0000124 | 6.92 | 0.00000422 | 0.000143 | 0.000154 | 0.00127 | 0.0327 |
| 2043 Feb | 45 | 0.00164 | 0.0712 | 0.000585 | 9.05 | 0.0782 | 6.88 | 0.00000619 | 0.0277 | 0.00052 | 0.00572 | 0.0187 | 0.0000122 | 6.99 | 0.0000041 | 0.000138 | 0.000158 | 0.00122 | 0.0337 |
| 2043 Mar | 45.7 | 0.00181 | 0.0728 | 0.00058 | 9.26 | 0.0755 | 6.71 | 0.00000611 | 0.0262 | 0.000523 | 0.00568 | 0.0183 | 0.0000121 | 7.06 | 0.00000399 | 0.000132 | 0.000161 | 0.00116 | 0.0346 |
| 2043 Apr | 46.5 | 0.00198 | 0.0745 | 0.000575 | 9.47 | 0.0729 | 6.54 | 0.00000604 | 0.0247 | 0.000526 | 0.00565 | 0.018 | 0.000012 | 7.14 | 0.00000389 | 0.000127 | 0.000165 | 0.00111 | 0.0355 |
| 2043 May | 48.2 | 0.0024 | 0.0777 | 0.000578 | 9.87 | 0.0701 | 6.38 | 0.00000602 | 0.023 | 0.00054 | 0.00567 | 0.0178 | 0.000012 | 7.32 | 0.0000038 | 0.000121 | 0.000172 | 0.00105 | 0.0373 |
| 2043 Jun | 43.5 | 0.000508 | 0.0675 | 0.000558 | 8.59 | 0.079 | 6.92 | 0.00000619 | 0.0291 | 0.000527 | 0.00568 | 0.0187 | 0.0000122 | 6.79 | 0.00000414 | 0.000142 | 0.000149 | 0.00122 | 0.0316 |
| 2043 Jul | 44.7 | 0.000389 | 0.0698 | 0.000556 | 8.9 | 0.0772 | 6.82 | 0.00000617 | 0.0278 | 0.000533 | 0.0057 | 0.0185 | 0.0000122 | 6.94 | 0.00000407 | 0.000138 | 0.000154 | 0.00118 | 0.0329 |
| 2043 Aug | 44.8 | 0.000514 | 0.0697 | 0.000571 | 8.9 | 0.0805 | 7.05 | 0.00000634 | 0.0296 | 0.000543 | 0.00583 | 0.0191 | 0.0000125 | 6.99 | 0.00000423 | 0.000145 | 0.000154 | 0.00124 | 0.0329 |
| 2043 Sep | 44.3 | 0.000657 | 0.0685 | 0.00058 | 8.76 | 0.0835 | 7.25 | 0.00000646 | 0.0316 | 0.00055 | 0.0059 | 0.0195 | 0.0000127 | 6.97 | 0.00000437 | 0.000152 | 0.000152 | 0.0013 | 0.0324 |
| 2043 Oct | 44.3 | 0.0007 | 0.0686 | 0.000582 | 8.77 | 0.0835 | 7.25 | 0.00000646 | 0.0316 | 0.000551 | 0.00591 | 0.0195 | 0.0000127 | 6.97 | 0.00000437 | 0.000152 | 0.000152 | 0.0013 | 0.0325 |
| 2043 Nov | 44.5 | 0.000702 | 0.0689 | 0.000581 | 8.8 | 0.0831 | 7.23 | 0.00000646 | 0.0314 | 0.000552 | 0.00591 | 0.0195 | 0.0000127 | 6.99 | 0.00000436 | 0.000151 | 0.000153 | 0.00129 | 0.0326 |
| 2043 Dec | 44.5 | 0.000705 | 0.069 | 0.000582 | 8.81 | 0.0831 | 7.23 | 0.00000646 | 0.0314 | 0.000552 | 0.00591 | 0.0195 | 0.0000127 | 6.99 | 0.00000435 | 0.000151 | 0.000153 | 0.00129 | 0.0327 |
| 2044 Jan | 44.5 | 0.000708 | 0.0691 | 0.000583 | 8.81 | 0.0832 | 7.24 | 0.00000646 | 0.0314 | 0.000552 | 0.00591 | 0.0195 | 0.0000127 | 6.99 | 0.00000436 | 0.000152 | 0.000153 | 0.00129 | 0.0327 |
| 2044 Feb | 44.5 | 0.000708 | 0.0691 | 0.000583 | 8.81 | 0.0832 | 7.24 | 0.00000646 | 0.0314 | 0.000552 | 0.00591 | 0.0195 | 0.0000127 | 6.99 | 0.00000436 | 0.000152 | 0.000153 | 0.00129 | 0.0327 |
| 2044 Mar | 44.5 | 0.000709 | 0.0691 | 0.000583 | 8.81 | 0.0832 | 7.24 | 0.00000646 | 0.0314 | 0.000552 | 0.00591 | 0.0195 | 0.0000127 | 6.99 | 0.00000436 | 0.000152 | 0.000153 | 0.00129 | 0.0327 |
| 2044 Apr | 44.5 | 0.000709 | 0.0691 | 0.000583 | 8.82 | 0.0832 | 7.24 | 0.00000646 | 0.0315 | 0.000553 | 0.00591 | 0.0195 | 0.0000127 | 7 | 0.00000436 | 0.000152 | 0.000153 | 0.00129 | 0.0327 |
| 2044 May | 44.8 | 0.000733 | 0.0697 | 0.00059 | 8.87 | 0.0839 | 7.3 | 0.00000651 | 0.0318 | 0.000557 | 0.00595 | 0.0197 | 0.0000128 | 7.04 | 0.0000044 | 0.000153 | 0.000154 | 0.00131 | 0.0329 |
| 2044 Jun | 43.6 | 0.000433 | 0.0678 | 0.000608 | 8.58 | 0.0871 | 7.52 | 0.00000658 | 0.0336 | 0.000554 | 0.00597 | 0.0201 | 0.0000129 | 6.92 | 0.00000451 | 0.00016 | 0.000147 | 0.00136 | 0.0309 |
| 2044 Jul | 44.5 | 0.000292 | 0.0692 | 0.000604 | 8.79 | 0.0863 | 7.48 | 0.00000657 | 0.0327 | 0.000554 | 0.00599 | 0.02 | 0.0000129 | 7.03 | 0.00000446 | 0.000157 | 0.000151 | 0.00134 | 0.0317 |
| 2044 Aug | 45.2 | 0.000325 | 0.0703 | 0.000613 | 8.93 | 0.0869 | 7.54 | 0.00000666 | 0.0329 | 0.000561 | 0.00607 | 0.0202 | 0.0000131 | 7.13 | 0.00000451 | 0.000158 | 0.000154 | 0.00135 | 0.0323 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000733 | 5.36 | 0.00289 | 6.27 | 0.186 | 0.00346 | 3.83 | 0.00256 | 0.00723 | 0.000103 | 0.000957 | 0.000435 | 0.152 | 0.00000747 | 0.000808 | 0.00208 | 0.00321 | 0.0102 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000776 | 6.31 | 0.00419 | 8.18 | 0.224 | 0.00509 | 4.99 | 0.017 | 0.00999 | 0.000144 | 0.00107 | 0.000536 | 0.228 | 0.00000801 | 0.00108 | 0.00263 | 0.00374 | 0.0216 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000881 | 6.74 | 0.00466 | 12.8 | 0.36 | 0.00926 | 5.42 | 0.065 | 0.0111 | 0.000162 | 0.00121 | 0.000668 | 0.249 | 0.0000111 | 0.00117 | 0.00313 | 0.00408 | 0.0261 |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Aug., 2044): Min | 0.00000348 | 1.94 | 0.0016 | 1.48 | 0.0262 | 0.000676 | 0.902 | 0.0017 | 0.00312 | 0.0000435 | 0.000175 | 0.0000633 | 0.0371 | 0.00000603 | 0.000189 | 0.000448 | 0.00184 | 0.0000152 |
| Active Closure (Jul., 2028 to Aug., 2044): Average | 0.00000666 | 2.44 | 0.00226 | 2.4 | 0.06 | 0.00133 | 1.41 | 0.00476 | 0.00494 | 0.0000598 | 0.000337 | 0.00012 | 0.0719 | 0.00000769 | 0.000422 | 0.00066 | 0.00235 | 0.00125 |
| Active Closure (Jul., 2028 to Aug., 2044): Max | 0.0000146 | 4.8 | 0.00339 | 10.9 | 0.228 | 0.0078 | 3.68 | 0.0518 | 0.00757 | 0.000105 | 0.000949 | 0.000556 | 0.164 | 0.0000119 | 0.00093 | 0.002 | 0.00367 | 0.0101 |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Aug 2044) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000746 | 6.74 | 0.00466 | 7.04 | 0.209 | 0.00392 | 5.42 | 0.00308 | 0.0111 | 0.000149 | 0.00108 | 0.000526 | 0.245 | 0.00000747 | 0.00117 | 0.00257 | 0.00378 | 0.0261 |
| 2024 Feb | 0.00000752 | 6.66 | 0.00459 | 6.93 | 0.205 | 0.00385 | 5.35 | 0.00294 | 0.0109 | 0.00015 | 0.00106 | 0.000514 | 0.245 | 0.00000752 | 0.00115 | 0.00263 | 0.00381 | 0.0254 |
| 2024 Mar | 0.00000753 | 6.64 | 0.00458 | 6.91 | 0.204 | 0.00384 | 5.33 | 0.00292 | 0.0109 | 0.000151 | 0.00106 | 0.000511 | 0.245 | 0.00000753 | 0.00115 | 0.00264 | 0.00381 | 0.0252 |
| 2024 Apr | 0.00000754 | 6.64 | 0.00458 | 6.91 | 0.204 | 0.00384 | 5.34 | 0.00291 | 0.0109 | 0.000151 | 0.00106 | 0.000511 | 0.245 | 0.00000754 | 0.00115 | 0.00265 | 0.00382 | 0.0252 |
| 2024 May | 0.00000764 | 6.16 | 0.00406 | 7.66 | 0.243 | 0.00463 | 4.85 | 0.0137 | 0.00972 | 0.000143 | 0.001 | 0.000496 | 0.226 | 0.0000078 | 0.00104 | 0.00266 | 0.00372 | 0.0203 |
| 2024 Jun | 0.00000773 | 5.76 | 0.00352 | 12.2 | 0.263 | 0.009 | 4.57 | 0.0557 | 0.00838 | 0.000127 | 0.00115 | 0.000654 | 0.197 | 0.00000828 | 0.00095 | 0.00251 | 0.00349 | 0.0156 |
| 2024 Jul | 0.0000079 | 6.18 | 0.00401 | 9.83 | 0.224 | 0.0068 | 4.9 | 0.0328 | 0.00952 | 0.000137 | 0.00115 | 0.000599 | 0.216 | 0.00000822 | 0.00106 | 0.00254 | 0.00365 | 0.0202 |
| 2024 Aug | 0.0000078 | 6.34 | 0.00418 | 9.48 | 0.227 | 0.00642 | 5.03 | 0.0281 | 0.00992 | 0.000135 | 0.00116 | 0.000602 | 0.217 | 0.00000803 | 0.00109 | 0.00241 | 0.00361 | 0.022 |
| 2024 Sep | 0.00000804 | 6.18 | 0.00391 | 10.6 | 0.26 | 0.00751 | 4.78 | 0.0404 | 0.00934 | 0.000123 | 0.00121 | 0.000634 | 0.196 | 0.00000891 | 0.00103 | 0.0022 | 0.00346 | 0.0196 |
| 2024 Oct | 0.00000785 | 6.57 | 0.00442 | 7.69 | 0.222 | 0.00465 | 5.18 | 0.0118 | 0.0106 | 0.000145 | 0.00112 | 0.000537 | 0.232 | 0.00000836 | 0.00112 | 0.00253 | 0.00376 | 0.0237 |
| 2024 Nov | 0.00000758 | 6.6 | 0.00451 | 7.13 | 0.213 | 0.00406 | 5.27 | 0.0055 | 0.0108 | 0.000151 | 0.00107 | 0.000517 | 0.24 | 0.00000771 | 0.00114 | 0.0026 | 0.00378 | 0.0246 |
| 2024 Dec | 0.00000755 | 6.63 | 0.00457 | 6.94 | 0.206 | 0.00387 | 5.32 | 0.00333 | 0.0109 | 0.000151 | 0.00106 | 0.000511 | 0.244 | 0.00000757 | 0.00115 | 0.00264 | 0.00381 | 0.0251 |
| 2025 Jan | 0.00000753 | 6.64 | 0.00458 | 6.91 | 0.205 | 0.00385 | 5.33 | 0.00298 | 0.0109 | 0.000151 | 0.00106 | 0.000512 | 0.245 | 0.00000753 | 0.00115 | 0.00264 | 0.00381 | 0.0253 |
| 2025 Feb | 0.00000753 | 6.65 | 0.00458 | 6.91 | 0.205 | 0.00384 | 5.34 | 0.00293 | 0.0109 | 0.000151 | 0.00106 | 0.000512 | 0.245 | 0.00000753 | 0.00115 | 0.00264 | 0.00381 | 0.0253 |
| 2025 Mar | 0.00000752 | 6.65 | 0.00459 | 6.92 | 0.205 | 0.00384 | 5.34 | 0.00292 | 0.0109 | 0.00015 | 0.00106 | 0.000513 | 0.245 | 0.00000752 | 0.00115 | 0.00264 | 0.00381 | 0.0253 |
| 2025 Apr | 0.00000753 | 6.65 | 0.00459 | 6.92 | 0.205 | 0.00384 | 5.34 | 0.00292 | 0.0109 | 0.000151 | 0.00106 | 0.000513 | 0.245 | 0.00000753 | 0.00115 | 0.00264 | 0.00381 | 0.0253 |
| 2025 May | 0.00000785 | 6.42 | 0.00439 | 6.59 | 0.195 | 0.00366 | 5.13 | 0.00275 | 0.0104 | 0.000157 | 0.00101 | 0.000473 | 0.248 | 0.00000786 | 0.00112 | 0.00291 | 0.00396 | 0.0228 |
| 2025 Jun | 0.00000816 | 5.8 | 0.0034 | 11.8 | 0.309 | 0.00837 | 4.35 | 0.0536 | 0.00834 | 0.000119 | 0.00117 | 0.000631 | 0.182 | 0.0000098 | 0.0009 | 0.0023 | 0.00343 | 0.0143 |
| 2025 Jul | 0.00000766 | 6.21 | 0.00397 | 11 | 0.249 | 0.00749 | 4.94 | 0.0398 | 0.00949 | 0.000134 | 0.00115 | 0.000637 | 0.214 | 0.00000807 | 0.00104 | 0.00249 | 0.00358 | 0.0198 |
| 2025 Aug | 0.00000766 | 6.28 | 0.00409 | 10.7 | 0.233 | 0.00733 | 5 | 0.0369 | 0.00968 | 0.000131 | 0.00117 | 0.000646 | 0.211 | 0.00000776 | 0.00108 | 0.00235 | 0.00352 | 0.0214 |
| 2025 Sep | 0.00000736 | 5.97 | 0.00376 | 11.4 | 0.274 | 0.00799 | 4.7 | 0.0451 | 0.00899 | 0.000118 | 0.00114 | 0.000657 | 0.19 | 0.00000751 | 0.001 | 0.00212 | 0.00328 | 0.0191 |
| 2025 Oct | 0.00000733 | 6.31 | 0.00417 | 8.79 | 0.252 | 0.0055 | 5 | 0.0207 | 0.00999 | 0.000148 | 0.00107 | 0.000563 | 0.218 | 0.00000749 | 0.00106 | 0.00238 | 0.00355 | 0.022 |
| 2025 Nov | 0.0000075 | 6.59 | 0.00451 | 7.27 | 0.214 | 0.00415 | 5.27 | 0.0063 | 0.0107 | 0.000151 | 0.00106 | 0.000522 | 0.24 | 0.00000755 | 0.00114 | 0.00259 | 0.00376 | 0.0247 |
| 2025 Dec | 0.00000752 | 6.64 | 0.00457 | 6.97 | 0.206 | 0.00389 | 5.33 | 0.00345 | 0.0109 | 0.00015 | 0.00106 | 0.000514 | 0.244 | 0.00000753 | 0.00115 | 0.00263 | 0.0038 | 0.0252 |
| 2026 Jan | 0.00000753 | 6.65 | 0.00458 | 6.92 | 0.205 | 0.00385 | 5.34 | 0.003 | 0.0109 | 0.000151 | 0.00106 | 0.000512 | 0.245 | 0.00000753 | 0.00115 | 0.00264 | 0.00381 | 0.0253 |
| 2026 Feb | 0.00000753 | 6.65 | 0.00458 | 6.91 | 0.205 | 0.00384 | 5.34 | 0.00293 | 0.0109 | 0.000151 | 0.00106 | 0.000512 | 0.245 | 0.00000753 | 0.00115 | 0.00264 | 0.00381 | 0.0253 |
| 2026 Mar | 0.00000753 | 6.65 | 0.00458 | 6.91 | 0.204 | 0.00384 | 5.34 | 0.00292 | 0.0109 | 0.000151 | 0.00106 | 0.000512 | 0.245 | 0.00000753 | 0.00115 | 0.00264 | 0.00381 | 0.0253 |
| 2026 Apr | 0.00000753 | 6.65 | 0.00459 | 6.92 | 0.205 | 0.00385 | 5.34 | 0.00292 | 0.0109 | 0.000151 | 0.00106 | 0.000513 | 0.245 | 0.00000753 | 0.00115 | 0.00264 | 0.00381 | 0.0253 |
| 2026 May | 0.00000791 | 6.41 | 0.00435 | 6.67 | 0.202 | 0.00373 | 5.09 | 0.00386 | 0.0103 | 0.000155 | 0.00102 | 0.000474 | 0.245 | 0.00000804 | 0.00111 | 0.00288 | 0.00395 | 0.0225 |
| 2026 Jun | 0.00000772 | 5.6 | 0.00325 | 12.8 | 0.317 | 0.00917 | 4.26 | 0.0608 | 0.00792 | 0.000113 | 0.00113 | 0.000668 | 0.174 | 0.00000881 | 0.000876 | 0.00222 | 0.00328 | 0.0135 |
| 2026 Jul | 0.00000783 | 5.91 | 0.00375 | 11.4 | 0.226 | 0.00804 | 4.7 | 0.0457 | 0.00883 | 0.000133 | 0.00114 | 0.000646 | 0.207 | 0.00000797 | 0.00102 | 0.00257 | 0.00358 | 0.0179 |
| 2026 Aug | 0.00000791 | 6 | 0.00387 | 10.1 | 0.219 | 0.00691 | 4.75 | 0.0346 | 0.00912 | 0.000136 | 0.0011 | 0.0006 | 0.213 | 0.00000789 | 0.00105 | 0.00259 | 0.00364 | 0.019 |
| 2026 Sep | 0.00000788 | 6.08 | 0.00399 | 9.18 | 0.21 | 0.0061 | 4.83 | 0.0267 | 0.0094 | 0.000141 | 0.00108 | 0.000568 | 0.221 | 0.00000786 | 0.00106 | 0.00267 | 0.00372 | 0.0199 |
| 2026 Oct | 0.00000784 | 6.28 | 0.00423 | 7.38 | 0.2 | 0.00441 | 5 | 0.0104 | 0.01 | 0.000152 | 0.00103 | 0.0005 | 0.238 | 0.00000786 | 0.0011 | 0.00283 | 0.00387 | 0.0217 |
| 2026 Nov | 0.00000781 | 6.34 | 0.00432 | 6.68 | 0.195 | 0.00376 | 5.06 | 0.00412 | 0.0102 | 0.000155 | 0.001 | 0.000473 | 0.245 | 0.00000782 | 0.00111 | 0.00289 | 0.00393 | 0.0223 |
| 2026 Dec | 0.0000078 | 6.36 | 0.00434 | 6.56 | 0.194 | 0.00364 | 5.07 | 0.00297 | 0.0103 | 0.000156 | 0.001 | 0.000468 | 0.246 | 0.00000781 | 0.00111 | 0.0029 | 0.00394 | 0.0225 |
| 2027 Jan | 0.00000778 | 6.38 | 0.00436 | 6.56 | 0.195 | 0.00364 | 5.1 | 0.00277 | 0.0103 | 0.000156 | 0.00101 | 0.000471 | 0.246 | 0.00000778 | 0.00111 | 0.00288 | 0.00393 | 0.0227 |
| 2027 Feb | 0.00000776 | 6.4 | 0.00438 | 6.58 | 0.195 | 0.00365 | 5.12 | 0.00275 | 0.0104 | 0.000155 | 0.00101 | 0.000474 | 0.246 | 0.00000776 | 0.00112 | 0.00286 | 0.00392 | 0.0229 |
| 2027 Mar | 0.00000776 | 6.4 | 0.00438 | 6.59 | 0.195 | 0.00365 | 5.12 | 0.00274 | 0.0104 | 0.000155 | 0.00101 | 0.000474 | 0.246 | 0.00000776 | 0.00112 | 0.00286 | 0.00392 | 0.0229 |
| 2027 Apr | 0.00000776 | 6.41 | 0.00438 | 6.59 | 0.195 | 0.00365 | 5.12 | 0.00274 | 0.0104 | 0.000155 | 0.00101 | 0.000475 | 0.246 | 0.00000776 | 0.00112 | 0.00286 | 0.00392 | 0.023 |
| 2027 May | 0.00000863 | 6.26 | 0.00413 | 6.43 | 0.211 | 0.00365 | 4.82 | 0.00584 | 0.00986 | 0.000156 | 0.00103 | 0.000443 | 0.239 | 0.00000947 | 0.00107 | 0.003 | 0.00408 | 0.0196 |
| 2027 Jun | 0.00000833 | 5.36 | 0.00289 | 12.7 | 0.36 | 0.00926 | 3.83 | 0.065 | 0.00723 | 0.000103 | 0.00114 | 0.000644 | 0.152 | 0.0000101 | 0.000808 | 0.00208 | 0.00321 | 0.0102 |
| 2027 Jul | 0.00000804 | 5.88 | 0.00364 | 10.5 | 0.261 | 0.00721 | 4.53 | 0.0401 | 0.00874 | 0.000131 | 0.0011 | 0.000596 | 0.201 | 0.00000869 | 0.000978 | 0.00253 | 0.00359 | 0.0166 |
| 2027 Aug | 0.0000081 | 6.08 | 0.00391 | 9.67 | 0.231 | 0.00655 | 4.74 | 0.0318 | 0.00927 | 0.000135 | 0.00112 | 0.000587 | 0.211 | 0.00000845 | 0.00105 | 0.00254 | 0.00366 | 0.0192 |
| 2027 Sep | 0.00000774 | 5.83 | 0.00365 | 10.3 | 0.266 | 0.00708 | 4.51 | 0.038 | 0.00872 | 0.000123 | 0.00108 | 0.0006 | 0.193 | 0.00000796 | 0.000987 | 0.00231 | 0.00342 | 0.0176 |
| 2027 Oct | 0.00000763 | 6.02 | 0.00391 | 8.82 | 0.247 | 0.00568 | 4.72 | 0.024 | 0.00932 | 0.000141 | 0.00103 | 0.000545 | 0.213 | 0.00000775 | 0.00102 | 0.00252 | 0.0036 | 0.0194 |
| 2027 Nov | 0.00000788 | 6.35 | 0.00429 | 7.06 | 0.206 | 0.0041 | 5.03 | 0.00758 | 0.0102 | 0.000153 | 0.00103 | 0.00049 | 0.239 | 0.00000807 | 0.0011 | 0.00279 | 0.00388 | 0.0221 |
| 2027 Dec | 0.00000779 | 6.39 | 0.00436 | 6.67 | 0.197 | 0.00373 | 5.1 | 0.00365 | 0.0103 | 0.000155 | 0.00101 | 0.000477 | 0.245 | 0.00000784 | 0.00111 | 0.00285 | 0.00391 | 0.0228 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000777 | 6.4 | 0.00438 | 6.6 | 0.196 | 0.00366 | 5.11 | 0.0029 | 0.0104 | 0.000155 | 0.00101 | 0.000474 | 0.246 | 0.00000778 | 0.00112 | 0.00286 | 0.00392 | 0.0229 |
| 2028 Feb | 0.00000776 | 6.4 | 0.00438 | 6.59 | 0.195 | 0.00365 | 5.12 | 0.00277 | 0.0104 | 0.000155 | 0.00101 | 0.000474 | 0.246 | 0.00000777 | 0.00112 | 0.00286 | 0.00392 | 0.0229 |
| 2028 Mar | 0.00000776 | 6.4 | 0.00438 | 6.59 | 0.195 | 0.00365 | 5.12 | 0.00274 | 0.0104 | 0.000155 | 0.00101 | 0.000474 | 0.246 | 0.00000776 | 0.00112 | 0.00286 | 0.00392 | 0.0229 |
| 2028 Apr | 0.00000776 | 6.4 | 0.00438 | 6.59 | 0.195 | 0.00365 | 5.12 | 0.00274 | 0.0104 | 0.000155 | 0.00101 | 0.000474 | 0.246 | 0.00000776 | 0.00112 | 0.00286 | 0.00392 | 0.0229 |
| 2028 May | 0.00000808 | 6.17 | 0.00418 | 6.27 | 0.186 | 0.00346 | 4.91 | 0.00256 | 0.00987 | 0.000162 | 0.000957 | 0.000435 | 0.249 | 0.00000808 | 0.00109 | 0.00313 | 0.00408 | 0.0204 |
| 2028 Jun | 0.00000881 | 5.65 | 0.00317 | 11 | 0.338 | 0.00776 | 4.02 | 0.0509 | 0.00792 | 0.000116 | 0.00115 | 0.000586 | 0.17 | 0.0000111 | 0.000855 | 0.0023 | 0.00348 | 0.0118 |
| 2028 Jul | 0.00000694 | 4.8 | 0.00326 | 10.9 | 0.228 | 0.0078 | 3.68 | 0.0518 | 0.00757 | 0.000105 | 0.000949 | 0.000556 | 0.164 | 0.00000829 | 0.000753 | 0.002 | 0.00305 | 0.0101 |
| 2028 Aug | 0.00000622 | 4.15 | 0.00329 | 7.83 | 0.197 | 0.0053 | 3.07 | 0.0328 | 0.00742 | 0.0000893 | 0.000733 | 0.000402 | 0.146 | 0.00000798 | 0.000626 | 0.00154 | 0.00273 | 0.00747 |
| 2028 Sep | 0.00000602 | 3.91 | 0.00328 | 6.7 | 0.188 | 0.00439 | 2.83 | 0.0259 | 0.00732 | 0.0000831 | 0.000655 | 0.000345 | 0.138 | 0.00000786 | 0.000584 | 0.00137 | 0.00261 | 0.00646 |
| 2028 Oct | 0.00000592 | 3.79 | 0.00322 | 6.08 | 0.199 | 0.00387 | 2.67 | 0.022 | 0.00722 | 0.0000784 | 0.000607 | 0.000313 | 0.131 | 0.00000775 | 0.000558 | 0.00126 | 0.00252 | 0.00582 |
| 2028 Nov | 0.00000574 | 3.71 | 0.00325 | 5.78 | 0.191 | 0.0036 | 2.62 | 0.0201 | 0.00727 | 0.000077 | 0.000582 | 0.000296 | 0.13 | 0.00000769 | 0.000539 | 0.00121 | 0.00248 | 0.00557 |
| 2028 Dec | 0.00000559 | 3.65 | 0.00328 | 5.55 | 0.181 | 0.00341 | 2.59 | 0.0187 | 0.0073 | 0.000076 | 0.000562 | 0.000284 | 0.13 | 0.00000763 | 0.000523 | 0.00118 | 0.00245 | 0.00539 |
| 2029 Jan | 0.00000548 | 3.6 | 0.0033 | 5.36 | 0.174 | 0.00325 | 2.56 | 0.0175 | 0.00732 | 0.0000752 | 0.000547 | 0.000274 | 0.13 | 0.00000758 | 0.000511 | 0.00115 | 0.00242 | 0.00525 |
| 2029 Feb | 0.00000539 | 3.56 | 0.00332 | 5.22 | 0.168 | 0.00313 | 2.53 | 0.0166 | 0.00734 | 0.0000745 | 0.000535 | 0.000266 | 0.13 | 0.00000755 | 0.000502 | 0.00112 | 0.0024 | 0.00514 |
| 2029 Mar | 0.00000531 | 3.53 | 0.00333 | 5.1 | 0.163 | 0.00302 | 2.51 | 0.0159 | 0.00735 | 0.000074 | 0.000525 | 0.00026 | 0.13 | 0.00000752 | 0.000494 | 0.00111 | 0.00239 | 0.00504 |
| 2029 Apr | 0.00000525 | 3.5 | 0.00334 | 5 | 0.158 | 0.00294 | 2.5 | 0.0153 | 0.00737 | 0.0000736 | 0.000516 | 0.000254 | 0.13 | 0.00000749 | 0.000487 | 0.00109 | 0.00237 | 0.00497 |
| 2029 May | 0.00000515 | 3.47 | 0.00339 | 4.81 | 0.151 | 0.00277 | 2.48 | 0.0141 | 0.00745 | 0.0000732 | 0.000502 | 0.000244 | 0.13 | 0.0000075 | 0.000477 | 0.00106 | 0.00236 | 0.00483 |
| 2029 Jun | 0.00000526 | 3.42 | 0.00337 | 4.49 | 0.15 | 0.00254 | 2.4 | 0.0124 | 0.0074 | 0.000071 | 0.000494 | 0.000229 | 0.127 | 0.00000769 | 0.00047 | 0.00101 | 0.00235 | 0.00449 |
| 2029 Jul | 0.00000542 | 3.37 | 0.00331 | 4.26 | 0.152 | 0.0024 | 2.31 | 0.0114 | 0.00726 | 0.0000688 | 0.000485 | 0.000219 | 0.122 | 0.00000774 | 0.00047 | 0.000979 | 0.00233 | 0.00419 |
| 2029 Aug | 0.00000554 | 3.38 | 0.00331 | 4.23 | 0.151 | 0.0024 | 2.3 | 0.0112 | 0.00727 | 0.0000688 | 0.000488 | 0.000218 | 0.122 | 0.00000781 | 0.000477 | 0.00098 | 0.00235 | 0.00415 |
| 2029 Sep | 0.00000566 | 3.38 | 0.0033 | 4.17 | 0.148 | 0.00239 | 2.28 | 0.0111 | 0.00722 | 0.0000685 | 0.000491 | 0.000217 | 0.121 | 0.00000789 | 0.000482 | 0.000977 | 0.00236 | 0.00409 |
| 2029 Oct | 0.00000571 | 3.38 | 0.0033 | 4.15 | 0.147 | 0.00238 | 2.27 | 0.011 | 0.00722 | 0.0000684 | 0.000494 | 0.000216 | 0.121 | 0.00000796 | 0.000483 | 0.000975 | 0.00237 | 0.00406 |
| 2029 Nov | 0.00000569 | 3.37 | 0.0033 | 4.14 | 0.146 | 0.00236 | 2.27 | 0.0109 | 0.00722 | 0.0000683 | 0.000492 | 0.000215 | 0.121 | 0.00000796 | 0.000481 | 0.000971 | 0.00237 | 0.00403 |
| 2029 Dec | 0.00000567 | 3.36 | 0.0033 | 4.12 | 0.145 | 0.00235 | 2.27 | 0.0109 | 0.00722 | 0.0000681 | 0.000489 | 0.000214 | 0.121 | 0.00000794 | 0.000479 | 0.000967 | 0.00236 | 0.00401 |
| 2030 Jan | 0.00000565 | 3.36 | 0.0033 | 4.11 | 0.145 | 0.00234 | 2.26 | 0.0108 | 0.00722 | 0.000068 | 0.000488 | 0.000213 | 0.121 | 0.00000793 | 0.000478 | 0.000965 | 0.00236 | 0.004 |
| 2030 Feb | 0.00000565 | 3.36 | 0.0033 | 4.11 | 0.145 | 0.00234 | 2.26 | 0.0108 | 0.00722 | 0.000068 | 0.000488 | 0.000213 | 0.121 | 0.00000793 | 0.000477 | 0.000964 | 0.00236 | 0.004 |
| 2030 Mar | 0.00000565 | 3.36 | 0.0033 | 4.11 | 0.145 | 0.00234 | 2.26 | 0.0108 | 0.00722 | 0.000068 | 0.000488 | 0.000213 | 0.121 | 0.00000793 | 0.000477 | 0.000964 | 0.00236 | 0.004 |
| 2030 Apr | 0.00000566 | 3.36 | 0.0033 | 4.11 | 0.145 | 0.00234 | 2.26 | 0.0108 | 0.00723 | 0.000068 | 0.000488 | 0.000213 | 0.121 | 0.00000794 | 0.000478 | 0.000965 | 0.00236 | 0.004 |
| 2030 May | 0.00000567 | 3.37 | 0.00331 | 4.12 | 0.145 | 0.00235 | 2.27 | 0.0108 | 0.00725 | 0.0000682 | 0.00049 | 0.000214 | 0.121 | 0.00000796 | 0.000479 | 0.000968 | 0.00237 | 0.00401 |
| 2030 Jun | 0.00000582 | 3.33 | 0.00327 | 3.94 | 0.137 | 0.00226 | 2.2 | 0.0104 | 0.00714 | 0.0000666 | 0.000491 | 0.000206 | 0.118 | 0.00000814 | 0.000477 | 0.000941 | 0.00237 | 0.00378 |
| 2030 Jul | 0.00000577 | 3.24 | 0.00322 | 3.77 | 0.129 | 0.00215 | 2.13 | 0.00964 | 0.00703 | 0.0000646 | 0.000472 | 0.000196 | 0.115 | 0.00000801 | 0.000466 | 0.000907 | 0.00234 | 0.00355 |
| 2030 Aug | 0.00000588 | 3.24 | 0.00321 | 3.73 | 0.127 | 0.00215 | 2.12 | 0.00951 | 0.007 | 0.0000645 | 0.000473 | 0.000195 | 0.114 | 0.00000805 | 0.000473 | 0.000907 | 0.00235 | 0.00351 |
| 2030 Sep | 0.00000593 | 3.24 | 0.0032 | 3.7 | 0.126 | 0.00214 | 2.11 | 0.0094 | 0.00698 | 0.0000643 | 0.000473 | 0.000194 | 0.114 | 0.00000806 | 0.000475 | 0.000905 | 0.00236 | 0.00347 |
| 2030 Oct | 0.00000594 | 3.21 | 0.00317 | 3.65 | 0.124 | 0.00212 | 2.08 | 0.00922 | 0.0069 | 0.0000636 | 0.000469 | 0.000192 | 0.113 | 0.00000802 | 0.000474 | 0.000896 | 0.00235 | 0.0034 |
| 2030 Nov | 0.00000591 | 3.18 | 0.00316 | 3.61 | 0.122 | 0.00209 | 2.06 | 0.00906 | 0.00686 | 0.0000631 | 0.000463 | 0.000189 | 0.112 | 0.00000796 | 0.00047 | 0.000886 | 0.00233 | 0.00335 |
| 2030 Dec | 0.00000586 | 3.16 | 0.00315 | 3.59 | 0.121 | 0.00207 | 2.05 | 0.00894 | 0.00686 | 0.0000628 | 0.000458 | 0.000187 | 0.111 | 0.00000793 | 0.000466 | 0.000879 | 0.00232 | 0.00332 |
| 2031 Jan | 0.00000581 | 3.15 | 0.00315 | 3.57 | 0.119 | 0.00204 | 2.05 | 0.00883 | 0.00685 | 0.0000625 | 0.000454 | 0.000186 | 0.111 | 0.00000789 | 0.000461 | 0.000872 | 0.00231 | 0.00329 |
| 2031 Feb | 0.00000577 | 3.14 | 0.00314 | 3.55 | 0.118 | 0.00202 | 2.04 | 0.00873 | 0.00685 | 0.0000622 | 0.000449 | 0.000184 | 0.111 | 0.00000786 | 0.000457 | 0.000866 | 0.0023 | 0.00326 |
| 2031 Mar | 0.00000572 | 3.12 | 0.00314 | 3.53 | 0.117 | 0.002 | 2.03 | 0.00863 | 0.00685 | 0.000062 | 0.000445 | 0.000182 | 0.111 | 0.00000783 | 0.000453 | 0.00086 | 0.0023 | 0.00323 |
| 2031 Apr | 0.00000569 | 3.11 | 0.00314 | 3.51 | 0.116 | 0.00199 | 2.03 | 0.00854 | 0.00685 | 0.0000618 | 0.000441 | 0.000181 | 0.111 | 0.00000781 | 0.00045 | 0.000855 | 0.00229 | 0.0032 |
| 2031 May | 0.00000559 | 3.09 | 0.00315 | 3.45 | 0.112 | 0.00191 | 2.02 | 0.00819 | 0.0069 | 0.0000612 | 0.000428 | 0.000175 | 0.111 | 0.00000778 | 0.000437 | 0.000835 | 0.00228 | 0.00309 |
| 2031 Jun | 0.00000542 | 2.96 | 0.00308 | 3.24 | 0.102 | 0.00176 | 1.93 | 0.00735 | 0.00675 | 0.0000588 | 0.000399 | 0.000161 | 0.107 | 0.00000758 | 0.000414 | 0.000784 | 0.00222 | 0.0028 |
| 2031 Jul | 0.00000533 | 2.95 | 0.0031 | 3.21 | 0.0995 | 0.0017 | 1.93 | 0.00706 | 0.00682 | 0.0000587 | 0.000386 | 0.000156 | 0.107 | 0.00000757 | 0.000403 | 0.000769 | 0.00222 | 0.00271 |
| 2031 Aug | 0.00000534 | 2.95 | 0.00311 | 3.22 | 0.0992 | 0.0017 | 1.93 | 0.00702 | 0.00684 | 0.0000589 | 0.000385 | 0.000155 | 0.108 | 0.00000761 | 0.000402 | 0.000769 | 0.00223 | 0.0027 |
| 2031 Sep | 0.00000522 | 2.87 | 0.00303 | 3.13 | 0.0957 | 0.00164 | 1.89 | 0.00677 | 0.00666 | 0.0000576 | 0.000372 | 0.000151 | 0.105 | 0.00000748 | 0.000388 | 0.000749 | 0.0022 | 0.0026 |
| 2031 Oct | 0.00000513 | 2.82 | 0.00298 | 3.08 | 0.0933 | 0.00159 | 1.86 | 0.00659 | 0.00654 | 0.0000654 | 0.000363 | 0.000147 | 0.103 | 0.00000739 | 0.000378 | 0.000734 | 0.00218 | 0.00253 |
| 2031 Nov | 0.00000508 | 2.81 | 0.00297 | 3.06 | 0.0923 | 0.00157 | 1.85 | 0.0065 | 0.00652 | 0.0000669 | 0.000359 | 0.000145 | 0.102 | 0.00000736 | 0.000374 | 0.000728 | 0.00218 | 0.0025 |
| 2031 Dec | 0.00000505 | 2.79 | 0.00296 | 3.05 | 0.0915 | 0.00156 | 1.85 | 0.00643 | 0.00652 | 0.0000666 | 0.000355 | 0.000144 | 0.102 | 0.00000733 | 0.00037 | 0.000723 | 0.00217 | 0.00247 |
| 2032 Jan | 0.00000502 | 2.78 | 0.00296 | 3.04 | 0.0908 | 0.00154 | 1.84 | 0.00637 | 0.00652 | 0.0000663 | 0.000352 | 0.000143 | 0.102 | 0.0000073 | 0.000367 | 0.000718 | 0.00216 | 0.00245 |
| 2032 Feb | 0.00000498 | 2.77 | 0.00295 | 3.02 | 0.0901 | 0.00153 | 1.84 | 0.0063 | 0.00651 | 0.000066 | 0.000348 | 0.000141 | 0.102 | 0.00000728 | 0.000364 | 0.000713 | 0.00216 | 0.00243 |
| 2032 Mar | 0.00000495 | 2.76 | 0.00295 | 3.01 | 0.0894 | 0.00151 | 1.83 | 0.00624 | 0.00651 | 0.0000657 | 0.000345 | 0.00014 | 0.102 | 0.00000725 | 0.000361 | 0.000708 | 0.00215 | 0.00241 |
| 2032 Apr | 0.00000492 | 2.75 | 0.00295 | 3 | 0.0887 | 0.0015 | 1.83 | 0.00618 | 0.00651 | 0.0000654 | 0.000342 | 0.000139 | 0.102 | 0.00000723 | 0.000358 | 0.000704 | 0.00214 | 0.00239 |
| 2032 May | 0.0000048 | 2.72 | 0.00295 | 2.96 | 0.0859 | 0.00144 | 1.81 | 0.00591 | 0.00653 | 0.0000644 | 0.000328 | 0.000134 | 0.101 | 0.00000716 | 0.000346 | 0.000686 | 0.00213 | 0.0023 |
| 2032 Jun | 0.0000044 | 2.52 | 0.00275 | 2.76 | 0.0749 | 0.00124 | 1.71 | 0.00508 | 0.00617 | 0.0000595 | 0.000284 | 0.000117 | 0.0944 | 0.0000068 | 0.0003 | 0.000619 | 0.00202 | 0.00197 |
| 2032 Jul | 0.00000418 | 2.41 | 0.00263 | 2.64 | 0.0688 | 0.00113 | 1.65 | 0.00464 | 0.00595 | 0.0000569 | 0.00026 | 0.000108 | 0.0903 | 0.00000659 | 0.000275 | 0.000582 | 0.00197 | 0.00179 |
| 2032 Aug | 0.00000416 | 2.4 | 0.00262 | 2.63 | 0.068 | 0.00112 | 1.64 | 0.00457 | 0.00594 | 0.0000568 | 0.000257 | 0.000106 | 0.09 | 0.0000066 | 0.000272 | 0.000579 | 0.00197 | 0.00176 |
| 2032 Sep | 0.00000415 | 2.39 | 0.00262 | 2.62 | 0.0674 | 0.0011 | 1.64 | 0.00452 | 0.00592 | 0.0000566 | 0.000254 | 0.000106 | 0.0896 | 0.0000066 | 0.000269 | 0.000576 | 0.00197 | 0.00174 |
| 2032 Oct | 0.00000413 | 2.38 | 0.00261 | 2.61 | 0.0669 | 0.00109 | 1.64 | 0.00448 | 0.00591 | 0.0000588 | 0.000252 | 0.000105 | 0.0893 | 0.00000659 | 0.000267 | 0.000572 | 0.00197 | 0.00172 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2032 Nov | 0.00000411 | 2.37 | 0.00261 | 2.6 | 0.0665 | 0.00109 | 1.63 | 0.00445 | 0.00591 | 0.0000593 | 0.00025 | 0.000104 | 0.0893 | 0.00000658 | 0.000265 | 0.00057 | 0.00197 | 0.00171 |
| 2032 Dec | 0.0000041 | 2.37 | 0.00261 | 2.59 | 0.0661 | 0.00108 | 1.63 | 0.00441 | 0.00591 | 0.0000592 | 0.000249 | 0.000103 | 0.0892 | 0.00000656 | 0.000264 | 0.000567 | 0.00196 | 0.0017 |
| 2033 Jan | 0.00000408 | 2.36 | 0.00261 | 2.59 | 0.0658 | 0.00107 | 1.63 | 0.00438 | 0.00591 | 0.0000591 | 0.000247 | 0.000103 | 0.0891 | 0.00000655 | 0.000262 | 0.000564 | 0.00196 | 0.00168 |
| 2033 Feb | 0.00000406 | 2.36 | 0.0026 | 2.58 | 0.0655 | 0.00106 | 1.62 | 0.00435 | 0.00591 | 0.0000589 | 0.000245 | 0.000102 | 0.089 | 0.00000654 | 0.00026 | 0.000562 | 0.00196 | 0.00167 |
| 2033 Mar | 0.00000405 | 2.35 | 0.0026 | 2.57 | 0.0652 | 0.00106 | 1.62 | 0.00432 | 0.00591 | 0.0000588 | 0.000243 | 0.000101 | 0.0889 | 0.00000652 | 0.000259 | 0.00056 | 0.00195 | 0.00166 |
| 2033 Apr | 0.00000404 | 2.35 | 0.00261 | 2.57 | 0.0649 | 0.00105 | 1.62 | 0.0043 | 0.00591 | 0.0000587 | 0.000242 | 0.000101 | 0.089 | 0.00000652 | 0.000258 | 0.000558 | 0.00195 | 0.00165 |
| 2033 May | 0.00000397 | 2.31 | 0.00256 | 2.53 | 0.0626 | 0.00101 | 1.6 | 0.00413 | 0.00582 | 0.0000578 | 0.000233 | 0.0000973 | 0.0874 | 0.00000647 | 0.000248 | 0.000545 | 0.00194 | 0.00158 |
| 2033 Jun | 0.00000368 | 2.14 | 0.00238 | 2.36 | 0.0548 | 0.000872 | 1.5 | 0.00359 | 0.00543 | 0.0000537 | 0.000203 | 0.0000854 | 0.0809 | 0.00000617 | 0.000216 | 0.000495 | 0.00185 | 0.00134 |
| 2033 Jul | 0.00000364 | 2.13 | 0.00239 | 2.34 | 0.0533 | 0.00084 | 1.5 | 0.00346 | 0.00546 | 0.0000535 | 0.000195 | 0.0000824 | 0.0808 | 0.00000616 | 0.000209 | 0.000485 | 0.00185 | 0.00128 |
| 2033 Aug | 0.00000366 | 2.14 | 0.0024 | 2.35 | 0.0534 | 0.000839 | 1.51 | 0.00346 | 0.0055 | 0.0000538 | 0.000194 | 0.0000824 | 0.0813 | 0.00000622 | 0.000209 | 0.000487 | 0.00187 | 0.00127 |
| 2033 Sep | 0.00000362 | 2.1 | 0.00236 | 2.32 | 0.0521 | 0.000817 | 1.48 | 0.00337 | 0.0054 | 0.0000531 | 0.00019 | 0.0000807 | 0.0799 | 0.00000617 | 0.000204 | 0.00048 | 0.00186 | 0.00123 |
| 2033 Oct | 0.00000357 | 2.06 | 0.00232 | 2.28 | 0.0506 | 0.000794 | 1.46 | 0.00328 | 0.0053 | 0.0000651 | 0.000186 | 0.0000788 | 0.0784 | 0.00000612 | 0.000198 | 0.000472 | 0.00186 | 0.0012 |
| 2033 Nov | 0.00000354 | 2.05 | 0.0023 | 2.27 | 0.05 | 0.000781 | 1.45 | 0.00323 | 0.00527 | 0.0000697 | 0.000183 | 0.0000777 | 0.0778 | 0.00000609 | 0.000195 | 0.000467 | 0.00186 | 0.00117 |
| 2033 Dec | 0.00000353 | 2.05 | 0.0023 | 2.26 | 0.0497 | 0.000775 | 1.45 | 0.00321 | 0.00527 | 0.0000693 | 0.000182 | 0.0000771 | 0.0778 | 0.00000607 | 0.000194 | 0.000465 | 0.00185 | 0.00116 |
| 2034 Jan | 0.00000352 | 2.04 | 0.0023 | 2.26 | 0.0494 | 0.000769 | 1.45 | 0.00318 | 0.00527 | 0.0000689 | 0.00018 | 0.0000765 | 0.0778 | 0.00000606 | 0.000193 | 0.000462 | 0.00185 | 0.00115 |
| 2034 Feb | 0.0000035 | 2.04 | 0.0023 | 2.25 | 0.0492 | 0.000764 | 1.45 | 0.00316 | 0.00528 | 0.0000685 | 0.000179 | 0.0000759 | 0.0778 | 0.00000605 | 0.000192 | 0.00046 | 0.00184 | 0.00114 |
| 2034 Mar | 0.00000349 | 2.04 | 0.0023 | 2.25 | 0.0489 | 0.000759 | 1.44 | 0.00314 | 0.00528 | 0.0000682 | 0.000177 | 0.0000753 | 0.0777 | 0.00000604 | 0.00019 | 0.000458 | 0.00184 | 0.00113 |
| 2034 Apr | 0.00000348 | 2.03 | 0.00231 | 2.24 | 0.0488 | 0.000754 | 1.44 | 0.00312 | 0.00529 | 0.0000679 | 0.000176 | 0.0000748 | 0.0778 | 0.00000603 | 0.000189 | 0.000456 | 0.00184 | 0.00112 |
| 2034 May | 0.00000355 | 2.04 | 0.00232 | 2.23 | 0.0479 | 0.00075 | 1.44 | 0.00308 | 0.00531 | 0.000067 | 0.000175 | 0.000074 | 0.0777 | 0.00000608 | 0.000192 | 0.000454 | 0.00185 | 0.00107 |
| 2034 Jun | 0.00000478 | 2.06 | 0.00214 | 2.11 | 0.0423 | 0.000881 | 1.31 | 0.00319 | 0.00479 | 0.0000643 | 0.000221 | 0.0000824 | 0.0687 | 0.00000658 | 0.000271 | 0.000493 | 0.00201 | 0.000827 |
| 2034 Jul | 0.00000482 | 2.07 | 0.00216 | 2.1 | 0.0416 | 0.000872 | 1.31 | 0.00311 | 0.00483 | 0.0000637 | 0.000219 | 0.0000812 | 0.069 | 0.00000663 | 0.000271 | 0.000491 | 0.00203 | 0.000785 |
| 2034 Aug | 0.00000486 | 2.09 | 0.00219 | 2.13 | 0.042 | 0.000876 | 1.33 | 0.00313 | 0.00491 | 0.0000644 | 0.00022 | 0.0000817 | 0.07 | 0.00000671 | 0.000272 | 0.000495 | 0.00205 | 0.00079 |
| 2034 Sep | 0.00000503 | 2.1 | 0.00218 | 2.12 | 0.0417 | 0.000893 | 1.32 | 0.00312 | 0.00487 | 0.0000642 | 0.000227 | 0.000083 | 0.0693 | 0.0000068 | 0.000283 | 0.000503 | 0.00208 | 0.000772 |
| 2034 Oct | 0.0000054 | 2.12 | 0.00214 | 2.08 | 0.0409 | 0.000929 | 1.29 | 0.00309 | 0.00476 | 0.0000682 | 0.000242 | 0.0000859 | 0.0673 | 0.00000696 | 0.000308 | 0.000518 | 0.00214 | 0.000734 |
| 2034 Nov | 0.00000541 | 2.12 | 0.00214 | 2.08 | 0.0408 | 0.000928 | 1.29 | 0.00307 | 0.00476 | 0.0000691 | 0.000242 | 0.0000857 | 0.0672 | 0.00000696 | 0.000309 | 0.000518 | 0.00214 | 0.000726 |
| 2034 Dec | 0.00000537 | 2.11 | 0.00214 | 2.07 | 0.0407 | 0.00092 | 1.29 | 0.00305 | 0.00477 | 0.0000688 | 0.00024 | 0.000085 | 0.0673 | 0.00000694 | 0.000306 | 0.000515 | 0.00213 | 0.00072 |
| 2035 Jan | 0.00000533 | 2.11 | 0.00214 | 2.07 | 0.0406 | 0.000913 | 1.29 | 0.00303 | 0.00478 | 0.0000686 | 0.000237 | 0.0000843 | 0.0674 | 0.00000692 | 0.000303 | 0.000512 | 0.00213 | 0.000715 |
| 2035 Feb | 0.00000529 | 2.1 | 0.00215 | 2.07 | 0.0405 | 0.000906 | 1.29 | 0.00302 | 0.00479 | 0.0000683 | 0.000235 | 0.0000837 | 0.0675 | 0.0000069 | 0.0003 | 0.000509 | 0.00212 | 0.00071 |
| 2035 Mar | 0.00000525 | 2.1 | 0.00215 | 2.07 | 0.0404 | 0.000899 | 1.29 | 0.003 | 0.0048 | 0.0000681 | 0.000233 | 0.0000831 | 0.0676 | 0.00000687 | 0.000298 | 0.000506 | 0.00211 | 0.000706 |
| 2035 Apr | 0.00000522 | 2.1 | 0.00215 | 2.07 | 0.0403 | 0.000893 | 1.29 | 0.00298 | 0.00481 | 0.0000679 | 0.000231 | 0.0000825 | 0.0677 | 0.00000686 | 0.000295 | 0.000504 | 0.00211 | 0.000702 |
| 2035 May | 0.0000051 | 2.09 | 0.00218 | 2.07 | 0.0402 | 0.000867 | 1.3 | 0.00292 | 0.00489 | 0.0000673 | 0.000223 | 0.0000801 | 0.0688 | 0.00000682 | 0.000285 | 0.000495 | 0.00209 | 0.000683 |
| 2035 Jun | 0.0000067 | 2.19 | 0.00204 | 1.93 | 0.038 | 0.000994 | 1.2 | 0.00273 | 0.00448 | 0.0000638 | 0.000288 | 0.0000919 | 0.061 | 0.00000755 | 0.000393 | 0.000563 | 0.00232 | 0.000519 |
| 2035 Jul | 0.00000664 | 2.18 | 0.00204 | 1.92 | 0.0372 | 0.000973 | 1.2 | 0.00264 | 0.00449 | 0.0000627 | 0.000283 | 0.0000898 | 0.0609 | 0.00000752 | 0.000387 | 0.000556 | 0.00231 | 0.000486 |
| 2035 Aug | 0.00000668 | 2.2 | 0.00206 | 1.93 | 0.0373 | 0.000975 | 1.21 | 0.00264 | 0.00453 | 0.000063 | 0.000283 | 0.00009 | 0.0614 | 0.00000759 | 0.000388 | 0.000559 | 0.00233 | 0.000484 |
| 2035 Sep | 0.00000717 | 2.23 | 0.00202 | 1.89 | 0.0368 | 0.00103 | 1.18 | 0.00261 | 0.00441 | 0.0000623 | 0.000305 | 0.0000945 | 0.0593 | 0.00000783 | 0.000422 | 0.000583 | 0.00241 | 0.000454 |
| 2035 Oct | 0.00000744 | 2.23 | 0.00199 | 1.86 | 0.0362 | 0.00106 | 1.16 | 0.00257 | 0.00429 | 0.0000673 | 0.000317 | 0.0000967 | 0.0575 | 0.00000794 | 0.000441 | 0.000595 | 0.00245 | 0.00043 |
| 2035 Nov | 0.0000075 | 2.23 | 0.00198 | 1.84 | 0.036 | 0.00106 | 1.15 | 0.00255 | 0.00427 | 0.0000712 | 0.000319 | 0.000097 | 0.0571 | 0.00000796 | 0.000445 | 0.000597 | 0.00246 | 0.00042 |
| 2035 Dec | 0.00000742 | 2.23 | 0.00198 | 1.84 | 0.0359 | 0.00105 | 1.15 | 0.00254 | 0.00429 | 0.0000709 | 0.000315 | 0.0000959 | 0.0573 | 0.00000792 | 0.000439 | 0.000592 | 0.00245 | 0.000417 |
| 2036 Jan | 0.00000734 | 2.22 | 0.00199 | 1.84 | 0.0358 | 0.00104 | 1.15 | 0.00252 | 0.0043 | 0.0000706 | 0.000311 | 0.0000949 | 0.0575 | 0.00000787 | 0.000433 | 0.000587 | 0.00243 | 0.000415 |
| 2036 Feb | 0.00000726 | 2.21 | 0.00199 | 1.84 | 0.0357 | 0.00103 | 1.15 | 0.00251 | 0.00431 | 0.0000703 | 0.000307 | 0.0000939 | 0.0577 | 0.00000783 | 0.000428 | 0.000582 | 0.00242 | 0.000413 |
| 2036 Mar | 0.00000718 | 2.2 | 0.00199 | 1.84 | 0.0357 | 0.00101 | 1.15 | 0.00249 | 0.00433 | 0.00007 | 0.000303 | 0.0000929 | 0.0579 | 0.00000779 | 0.000422 | 0.000577 | 0.00241 | 0.00041 |
| 2036 Apr | 0.00000712 | 2.2 | 0.002 | 1.85 | 0.0356 | 0.00101 | 1.16 | 0.00248 | 0.00434 | 0.0000698 | 0.0003 | 0.0000921 | 0.0582 | 0.00000776 | 0.000418 | 0.000574 | 0.0024 | 0.000408 |
| 2036 May | 0.00000684 | 2.18 | 0.00203 | 1.86 | 0.0356 | 0.000966 | 1.18 | 0.00244 | 0.00445 | 0.0000691 | 0.000285 | 0.0000885 | 0.0597 | 0.00000764 | 0.000396 | 0.000557 | 0.00236 | 0.000401 |
| 2036 Jun | 0.00000728 | 2.19 | 0.00196 | 1.81 | 0.0339 | 0.000994 | 1.14 | 0.00232 | 0.00428 | 0.0000658 | 0.000301 | 0.0000907 | 0.0565 | 0.00000781 | 0.000425 | 0.000572 | 0.00241 | 0.000332 |
| 2036 Jul | 0.00000735 | 2.18 | 0.00192 | 1.79 | 0.0327 | 0.000996 | 1.12 | 0.00225 | 0.00421 | 0.0000639 | 0.000303 | 0.0000903 | 0.0553 | 0.00000783 | 0.000428 | 0.000572 | 0.00242 | 0.0003 |
| 2036 Aug | 0.00000741 | 2.2 | 0.00194 | 1.8 | 0.0329 | 0.001 | 1.13 | 0.00226 | 0.00425 | 0.0000643 | 0.000304 | 0.0000908 | 0.0558 | 0.00000791 | 0.000431 | 0.000577 | 0.00244 | 0.000299 |
| 2036 Sep | 0.00000756 | 2.21 | 0.00194 | 1.8 | 0.033 | 0.00102 | 1.13 | 0.00227 | 0.00423 | 0.0000642 | 0.000311 | 0.0000923 | 0.0554 | 0.000008 | 0.000441 | 0.000585 | 0.00247 | 0.000293 |
| 2036 Oct | 0.00000785 | 2.23 | 0.00191 | 1.77 | 0.0327 | 0.00105 | 1.1 | 0.00225 | 0.00414 | 0.0000677 | 0.000324 | 0.0000951 | 0.0539 | 0.00000813 | 0.000462 | 0.000599 | 0.00251 | 0.000277 |
| 2036 Nov | 0.00000783 | 2.23 | 0.00191 | 1.77 | 0.0327 | 0.00105 | 1.1 | 0.00224 | 0.00415 | 0.0000686 | 0.000323 | 0.0000947 | 0.054 | 0.00000811 | 0.00046 | 0.000597 | 0.00251 | 0.000275 |
| 2036 Dec | 0.00000775 | 2.22 | 0.00192 | 1.77 | 0.0327 | 0.00104 | 1.11 | 0.00223 | 0.00416 | 0.0000684 | 0.000319 | 0.0000938 | 0.0542 | 0.00000807 | 0.000455 | 0.000593 | 0.0025 | 0.000274 |
| 2037 Jan | 0.00000767 | 2.21 | 0.00192 | 1.77 | 0.0326 | 0.00103 | 1.11 | 0.00222 | 0.00418 | 0.0000681 | 0.000315 | 0.0000928 | 0.0544 | 0.00000803 | 0.000449 | 0.000588 | 0.00248 | 0.000272 |
| 2037 Feb | 0.0000076 | 2.2 | 0.00192 | 1.77 | 0.0326 | 0.00102 | 1.11 | 0.00222 | 0.00419 | 0.0000679 | 0.000312 | 0.0000919 | 0.0547 | 0.00000798 | 0.000444 | 0.000583 | 0.00247 | 0.000271 |
| 2037 Mar | 0.00000752 | 2.19 | 0.00193 | 1.77 | 0.0325 | 0.00101 | 1.11 | 0.00221 | 0.0042 | 0.0000677 | 0.000308 | 0.0000911 | 0.0549 | 0.00000794 | 0.000438 | 0.000579 | 0.00246 | 0.00027 |
| 2037 Apr | 0.00000745 | 2.19 | 0.00193 | 1.77 | 0.0325 | 0.000996 | 1.11 | 0.0022 | 0.00422 | 0.0000675 | 0.000304 | 0.0000902 | 0.0551 | 0.00000791 | 0.000433 | 0.000575 | 0.00244 | 0.00027 |
| 2037 May | 0.00000769 | 2.2 | 0.00192 | 1.75 | 0.0328 | 0.00101 | 1.1 | 0.00218 | 0.00417 | 0.0000664 | 0.000314 | 0.0000921 | 0.0542 | 0.00000802 | 0.00045 | 0.000586 | 0.00248 | 0.000249 |
| 2037 Jun | 0.00000818 | 2.16 | 0.00176 | 1.62 | 0.0302 | 0.00105 | 1.01 | 0.00205 | 0.0037 | 0.0000597 | 0.000336 | 0.0000951 | 0.0478 | 0.00000808 | 0.000485 | 0.0006 | 0.00249 | 0.000183 |
| 2037 Jul | 0.00000786 | 2.13 | 0.00178 | 1.63 | 0.0297 | 0.00101 | 1.02 | 0.00201 | 0.00376 | 0.0000586 | 0.00032 | 0.0000912 | 0.0486 | 0.00000792 | 0.000462 | 0.000581 | 0.00244 | 0.000175 |
| 2037 Aug | 0.00000786 | 2.14 | 0.0018 | 1.65 | 0.03 | 0.00101 | 1.03 | 0.00202 | 0.00382 | 0.000059 | 0.000319 | 0.0000912 | 0.0494 | 0.00000797 | 0.00046 | 0.000582 | 0.00246 | 0.000174 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2037 Sep | 0.00000794 | 2.16 | 0.00182 | 1.66 | 0.0303 | 0.00101 | 1.04 | 0.00203 | 0.00385 | 0.0000593 | 0.000322 | 0.000092 | 0.0498 | 0.00000805 | 0.000465 | 0.000588 | 0.00248 | 0.000173 |
| 2037 Oct | 0.00000804 | 2.17 | 0.00182 | 1.66 | 0.0304 | 0.00102 | 1.04 | 0.00204 | 0.00385 | 0.0000627 | 0.000326 | 0.000093 | 0.0497 | 0.00000811 | 0.000472 | 0.000593 | 0.0025 | 0.000169 |
| 2037 Nov | 0.000008 | 2.17 | 0.00182 | 1.66 | 0.0305 | 0.00102 | 1.04 | 0.00203 | 0.00387 | 0.0000645 | 0.000324 | 0.0000924 | 0.0499 | 0.00000809 | 0.000469 | 0.00059 | 0.0025 | 0.000167 |
| 2037 Dec | 0.00000784 | 2.16 | 0.00183 | 1.66 | 0.0304 | 0.000997 | 1.05 | 0.00202 | 0.0039 | 0.0000641 | 0.000317 | 0.0000907 | 0.0505 | 0.00000801 | 0.000458 | 0.000582 | 0.00248 | 0.000167 |
| 2038 Jan | 0.00000766 | 2.14 | 0.00184 | 1.67 | 0.0304 | 0.000974 | 1.05 | 0.00201 | 0.00395 | 0.0000637 | 0.000308 | 0.0000886 | 0.0511 | 0.00000791 | 0.000445 | 0.000571 | 0.00245 | 0.000166 |
| 2038 Feb | 0.00000745 | 2.12 | 0.00185 | 1.67 | 0.0304 | 0.000948 | 1.06 | 0.00199 | 0.00399 | 0.0000632 | 0.000298 | 0.0000862 | 0.0518 | 0.0000078 | 0.00043 | 0.000559 | 0.00241 | 0.000165 |
| 2038 Mar | 0.00000724 | 2.1 | 0.00186 | 1.68 | 0.0303 | 0.000921 | 1.07 | 0.00197 | 0.00403 | 0.0000626 | 0.000288 | 0.0000838 | 0.0524 | 0.00000769 | 0.000415 | 0.000547 | 0.00238 | 0.000164 |
| 2038 Apr | 0.00000721 | 2.1 | 0.00186 | 1.68 | 0.0303 | 0.000917 | 1.07 | 0.00197 | 0.00404 | 0.0000626 | 0.000286 | 0.0000835 | 0.0525 | 0.00000768 | 0.000413 | 0.000545 | 0.00237 | 0.000164 |
| 2038 May | 0.00000796 | 2.18 | 0.00186 | 1.67 | 0.0313 | 0.000995 | 1.06 | 0.00203 | 0.00397 | 0.000063 | 0.00032 | 0.0000914 | 0.0511 | 0.00000811 | 0.000465 | 0.000588 | 0.00251 | 0.000153 |
| 2038 Jun | 0.00000944 | 2.3 | 0.00176 | 1.58 | 0.0317 | 0.00114 | 0.994 | 0.00206 | 0.00358 | 0.0000588 | 0.000388 | 0.000106 | 0.0449 | 0.00000884 | 0.000568 | 0.000665 | 0.00273 | 0.000102 |
| 2038 Jul | 0.00000858 | 2.23 | 0.00182 | 1.63 | 0.0314 | 0.00104 | 1.04 | 0.00201 | 0.00381 | 0.0000582 | 0.000346 | 0.0000966 | 0.0485 | 0.00000845 | 0.000506 | 0.000618 | 0.0026 | 0.000105 |
| 2038 Aug | 0.00000837 | 2.23 | 0.00186 | 1.67 | 0.0316 | 0.00101 | 1.06 | 0.00201 | 0.00392 | 0.0000586 | 0.000335 | 0.0000942 | 0.0501 | 0.00000841 | 0.000488 | 0.000608 | 0.00259 | 0.000107 |
| 2038 Sep | 0.00000843 | 2.24 | 0.00188 | 1.68 | 0.0317 | 0.00102 | 1.07 | 0.00202 | 0.00396 | 0.0000585 | 0.000337 | 0.0000948 | 0.0505 | 0.00000847 | 0.000491 | 0.000612 | 0.00261 | 0.000105 |
| 2038 Oct | 0.00000855 | 2.26 | 0.00189 | 1.67 | 0.0318 | 0.00104 | 1.06 | 0.00202 | 0.00398 | 0.0000631 | 0.000342 | 0.0000961 | 0.0505 | 0.00000854 | 0.0005 | 0.000618 | 0.00264 | 0.0000979 |
| 2038 Nov | 0.00000771 | 2.18 | 0.00192 | 1.69 | 0.0314 | 0.000937 | 1.08 | 0.00196 | 0.00414 | 0.0000617 | 0.000303 | 0.0000867 | 0.053 | 0.00000807 | 0.000442 | 0.00057 | 0.00249 | 0.0000997 |
| 2038 Dec | 0.00000715 | 2.12 | 0.00194 | 1.7 | 0.0311 | 0.000871 | 1.1 | 0.00191 | 0.00423 | 0.0000603 | 0.000276 | 0.0000805 | 0.0545 | 0.00000776 | 0.000403 | 0.000537 | 0.00239 | 0.000101 |
| 2039 Jan | 0.00000716 | 2.13 | 0.00195 | 1.7 | 0.0312 | 0.000873 | 1.1 | 0.00192 | 0.00424 | 0.0000603 | 0.000277 | 0.0000806 | 0.0547 | 0.00000777 | 0.000404 | 0.000538 | 0.0024 | 0.000101 |
| 2039 Feb | 0.00000747 | 2.17 | 0.00196 | 1.71 | 0.0317 | 0.000914 | 1.1 | 0.00195 | 0.00427 | 0.0000608 | 0.000291 | 0.000084 | 0.0547 | 0.00000795 | 0.000426 | 0.000556 | 0.00245 | 0.0000991 |
| 2039 Mar | 0.00000745 | 2.17 | 0.00196 | 1.71 | 0.0317 | 0.000912 | 1.1 | 0.00195 | 0.00428 | 0.0000606 | 0.00029 | 0.0000838 | 0.0547 | 0.00000794 | 0.000425 | 0.000555 | 0.00245 | 0.0000987 |
| 2039 Apr | 0.00000742 | 2.16 | 0.00196 | 1.71 | 0.0317 | 0.000908 | 1.1 | 0.00195 | 0.00428 | 0.0000605 | 0.000288 | 0.0000833 | 0.0548 | 0.00000792 | 0.000422 | 0.000553 | 0.00244 | 0.0000988 |
| 2039 May | 0.00000742 | 2.16 | 0.00196 | 1.7 | 0.0316 | 0.000907 | 1.09 | 0.00194 | 0.00427 | 0.0000603 | 0.000288 | 0.0000833 | 0.0546 | 0.0000079 | 0.000423 | 0.000552 | 0.00244 | 0.0000983 |
| 2039 Jun | 0.0000146 | 3.02 | 0.00186 | 1.63 | 0.0427 | 0.00164 | 1.03 | 0.00256 | 0.00365 | 0.0000619 | 0.000626 | 0.000162 | 0.0404 | 0.0000119 | 0.00093 | 0.000963 | 0.00367 | 0.0000354 |
| 2039 Jul | 0.0000108 | 2.47 | 0.00173 | 1.58 | 0.0335 | 0.00124 | 0.993 | 0.00212 | 0.00356 | 0.0000526 | 0.000447 | 0.000119 | 0.0424 | 0.00000958 | 0.00066 | 0.000735 | 0.00295 | 0.0000402 |
| 2039 Aug | 0.00000972 | 2.36 | 0.00179 | 1.62 | 0.0323 | 0.00114 | 1.02 | 0.00205 | 0.00375 | 0.0000522 | 0.000396 | 0.000107 | 0.0458 | 0.00000907 | 0.000583 | 0.000677 | 0.00279 | 0.0000467 |
| 2039 Sep | 0.00000907 | 2.32 | 0.00186 | 1.66 | 0.0322 | 0.00106 | 1.05 | 0.00202 | 0.00395 | 0.0000525 | 0.000363 | 0.0001 | 0.049 | 0.00000881 | 0.000535 | 0.000642 | 0.00271 | 0.0000517 |
| 2039 Oct | 0.0000077 | 2.16 | 0.00189 | 1.66 | 0.031 | 0.000909 | 1.07 | 0.0019 | 0.00411 | 0.0000511 | 0.000299 | 0.0000852 | 0.052 | 0.00000801 | 0.00044 | 0.000562 | 0.00246 | 0.0000574 |
| 2039 Nov | 0.00000682 | 2.06 | 0.00191 | 1.67 | 0.0303 | 0.000806 | 1.08 | 0.00183 | 0.00423 | 0.0000506 | 0.000258 | 0.0000755 | 0.054 | 0.00000752 | 0.000379 | 0.000511 | 0.00231 | 0.0000612 |
| 2039 Dec | 0.00000619 | 1.99 | 0.00192 | 1.68 | 0.0297 | 0.000733 | 1.09 | 0.00177 | 0.0043 | 0.0000498 | 0.000229 | 0.0000686 | 0.0554 | 0.00000717 | 0.000335 | 0.000476 | 0.0022 | 0.0000638 |
| 2040 Jan | 0.00000592 | 1.96 | 0.00192 | 1.69 | 0.0295 | 0.000701 | 1.1 | 0.00175 | 0.00434 | 0.0000494 | 0.000216 | 0.0000656 | 0.056 | 0.00000702 | 0.000316 | 0.00046 | 0.00215 | 0.0000649 |
| 2040 Feb | 0.00000579 | 1.95 | 0.00192 | 1.69 | 0.0293 | 0.000686 | 1.1 | 0.00174 | 0.00435 | 0.0000493 | 0.00021 | 0.0000641 | 0.0562 | 0.00000694 | 0.000307 | 0.000452 | 0.00213 | 0.0000655 |
| 2040 Mar | 0.00000574 | 1.94 | 0.00192 | 1.69 | 0.0293 | 0.000679 | 1.1 | 0.00174 | 0.00436 | 0.0000492 | 0.000207 | 0.0000635 | 0.0563 | 0.00000691 | 0.000303 | 0.000449 | 0.00212 | 0.0000657 |
| 2040 Apr | 0.00000572 | 1.94 | 0.00192 | 1.69 | 0.0293 | 0.000676 | 1.1 | 0.00173 | 0.00436 | 0.0000492 | 0.000206 | 0.0000633 | 0.0564 | 0.0000069 | 0.000302 | 0.000448 | 0.00212 | 0.0000658 |
| 2040 May | 0.0000074 | 2.09 | 0.00185 | 1.6 | 0.0307 | 0.000868 | 1.04 | 0.00185 | 0.00404 | 0.0000493 | 0.000288 | 0.0000818 | 0.0507 | 0.00000772 | 0.000424 | 0.000541 | 0.00237 | 0.0000551 |
| 2040 Jun | 0.0000115 | 2.46 | 0.00163 | 1.49 | 0.0312 | 0.00135 | 0.917 | 0.00212 | 0.00312 | 0.0000494 | 0.000479 | 0.000126 | 0.0371 | 0.00000987 | 0.000706 | 0.00077 | 0.00303 | 0.0000246 |
| 2040 Jul | 0.00000889 | 2.21 | 0.00173 | 1.57 | 0.0292 | 0.00106 | 0.988 | 0.00193 | 0.00359 | 0.0000476 | 0.000357 | 0.0000977 | 0.0447 | 0.00000853 | 0.000525 | 0.000625 | 0.00262 | 0.0000366 |
| 2040 Aug | 0.0000083 | 2.16 | 0.00177 | 1.6 | 0.0291 | 0.000992 | 1.01 | 0.0019 | 0.00375 | 0.0000476 | 0.000328 | 0.0000911 | 0.0471 | 0.00000826 | 0.000482 | 0.000593 | 0.00253 | 0.0000397 |
| 2040 Sep | 0.00000847 | 2.18 | 0.00179 | 1.58 | 0.0295 | 0.00102 | 0.997 | 0.00191 | 0.00376 | 0.0000477 | 0.000336 | 0.0000931 | 0.047 | 0.00000835 | 0.000495 | 0.000602 | 0.00256 | 0.0000387 |
| 2040 Oct | 0.00000785 | 2.12 | 0.00181 | 1.59 | 0.0293 | 0.000944 | 1.01 | 0.00186 | 0.00387 | 0.0000474 | 0.000307 | 0.0000862 | 0.0489 | 0.000008 | 0.000452 | 0.000566 | 0.00245 | 0.0000412 |
| 2040 Nov | 0.00000769 | 2.11 | 0.00182 | 1.6 | 0.0293 | 0.000925 | 1.02 | 0.00185 | 0.00391 | 0.0000477 | 0.000299 | 0.0000845 | 0.0495 | 0.00000793 | 0.000441 | 0.000558 | 0.00243 | 0.000042 |
| 2040 Dec | 0.00000727 | 2.07 | 0.00184 | 1.62 | 0.029 | 0.000873 | 1.03 | 0.00182 | 0.00399 | 0.0000473 | 0.000279 | 0.0000799 | 0.0507 | 0.00000771 | 0.000411 | 0.000534 | 0.00236 | 0.0000436 |
| 2041 Jan | 0.000007 | 2.04 | 0.00185 | 1.62 | 0.0289 | 0.00084 | 1.04 | 0.0018 | 0.00403 | 0.000047 | 0.000266 | 0.0000769 | 0.0514 | 0.00000756 | 0.000391 | 0.000518 | 0.00232 | 0.0000445 |
| 2041 Feb | 0.00000687 | 2.02 | 0.00185 | 1.62 | 0.0288 | 0.000823 | 1.04 | 0.00179 | 0.00405 | 0.0000468 | 0.00026 | 0.0000754 | 0.0517 | 0.00000749 | 0.000382 | 0.000511 | 0.00229 | 0.000045 |
| 2041 Mar | 0.00000681 | 2.02 | 0.00185 | 1.63 | 0.0287 | 0.000817 | 1.05 | 0.00179 | 0.00406 | 0.0000468 | 0.000257 | 0.0000748 | 0.0518 | 0.00000746 | 0.000378 | 0.000508 | 0.00229 | 0.0000452 |
| 2041 Apr | 0.00000679 | 2.02 | 0.00185 | 1.63 | 0.0287 | 0.000814 | 1.05 | 0.00179 | 0.00406 | 0.0000467 | 0.000256 | 0.0000746 | 0.0519 | 0.00000745 | 0.000377 | 0.000507 | 0.00228 | 0.0000453 |
| 2041 May | 0.00000733 | 2.11 | 0.00191 | 1.65 | 0.0309 | 0.00087 | 1.07 | 0.00187 | 0.0042 | 0.000048 | 0.000281 | 0.0000805 | 0.0529 | 0.00000778 | 0.000416 | 0.000539 | 0.00238 | 0.0000453 |
| 2041 Jun | 0.00000962 | 2.37 | 0.00177 | 1.65 | 0.0315 | 0.00112 | 1.04 | 0.00203 | 0.00387 | 0.0000485 | 0.000389 | 0.000106 | 0.046 | 0.00000903 | 0.000574 | 0.000669 | 0.00277 | 0.0000306 |
| 2041 Jul | 0.00000923 | 2.27 | 0.00169 | 1.62 | 0.0282 | 0.00111 | 0.997 | 0.00195 | 0.00366 | 0.0000462 | 0.000372 | 0.000101 | 0.044 | 0.00000873 | 0.000546 | 0.000644 | 0.00268 | 0.0000265 |
| 2041 Aug | 0.00000895 | 2.23 | 0.00172 | 1.61 | 0.028 | 0.00109 | 0.993 | 0.00193 | 0.00368 | 0.0000461 | 0.000358 | 0.000098 | 0.0449 | 0.00000863 | 0.000525 | 0.000629 | 0.00264 | 0.0000274 |
| 2041 Sep | 0.00000846 | 2.18 | 0.00176 | 1.61 | 0.0281 | 0.00103 | 1.01 | 0.00189 | 0.00379 | 0.0000457 | 0.000334 | 0.0000926 | 0.0467 | 0.00000837 | 0.000491 | 0.000601 | 0.00256 | 0.0000292 |
| 2041 Oct | 0.00000812 | 2.13 | 0.00176 | 1.59 | 0.028 | 0.000986 | 0.996 | 0.00185 | 0.0038 | 0.0000459 | 0.000319 | 0.0000891 | 0.0471 | 0.00000815 | 0.000469 | 0.000581 | 0.0025 | 0.0000295 |
| 2041 Nov | 0.00000736 | 2.06 | 0.00179 | 1.61 | 0.0277 | 0.000892 | 1.02 | 0.0018 | 0.00393 | 0.0000455 | 0.000283 | 0.0000807 | 0.0493 | 0.00000774 | 0.000415 | 0.000537 | 0.00237 | 0.000032 |
| 2041 Dec | 0.00000723 | 2.04 | 0.00179 | 1.61 | 0.0276 | 0.000876 | 1.02 | 0.00179 | 0.00394 | 0.0000453 | 0.000277 | 0.0000793 | 0.0496 | 0.00000767 | 0.000407 | 0.00053 | 0.00235 | 0.0000323 |
| 2042 Jan | 0.00000718 | 2.04 | 0.00179 | 1.61 | 0.0276 | 0.000869 | 1.02 | 0.00178 | 0.00395 | 0.0000452 | 0.000274 | 0.0000786 | 0.0497 | 0.00000763 | 0.000403 | 0.000526 | 0.00234 | 0.0000324 |
| 2042 Feb | 0.00000708 | 2.03 | 0.0018 | 1.62 | 0.0276 | 0.000856 | 1.03 | 0.00178 | 0.00397 | 0.0000451 | 0.000269 | 0.0000775 | 0.0501 | 0.00000759 | 0.000396 | 0.000521 | 0.00232 | 0.0000328 |
| 2042 Mar | 0.00000695 | 2.02 | 0.0018 | 1.62 | 0.0275 | 0.00084 | 1.03 | 0.00177 | 0.00399 | 0.0000449 | 0.000263 | 0.0000761 | 0.0504 | 0.00000752 | 0.000386 | 0.000513 | 0.0023 | 0.0000331 |
| 2042 Apr | 0.0000069 | 2.01 | 0.0018 | 1.62 | 0.0275 | 0.000834 | 1.03 | 0.00176 | 0.004 | 0.0000448 | 0.000261 | 0.0000756 | 0.0505 | 0.00000749 | 0.000383 | 0.000511 | 0.00229 | 0.0000332 |
| 2042 May | 0.00000737 | 2.05 | 0.00179 | 1.58 | 0.0289 | 0.000878 | 1.01 | 0.0018 | 0.00395 | 0.0000446 | 0.000285 | 0.0000807 | 0.0491 | 0.00000766 | 0.00042 | 0.000535 | 0.00234 | 0.0000316 |
| 2042 Jun | 0.0000092 | 2.25 | 0.00168 | 1.58 | 0.0288 | 0.00109 | 0.982 | 0.00193 | 0.00362 | 0.000045 | 0.000371 | 0.000101 | 0.0434 | 0.00000865 | 0.000547 | 0.00064 | 0.00265 | 0.0000218 |

**Appendix D3. WT Attenuation Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2042 Jul | 0.00000908 | 2.21 | 0.00162 | 1.57 | 0.0268 | 0.0011 | 0.959 | 0.00189 | 0.00349 | 0.0000438 | 0.000366 | 0.0000993 | 0.042 | 0.00000855 | 0.000537 | 0.000631 | 0.00262 | 0.0000193 |
| 2042 Aug | 0.00000912 | 2.19 | 0.00162 | 1.53 | 0.0266 | 0.00111 | 0.933 | 0.00188 | 0.0034 | 0.0000435 | 0.000368 | 0.0000997 | 0.0412 | 0.00000856 | 0.00054 | 0.000633 | 0.00262 | 0.0000186 |
| 2042 Sep | 0.00000907 | 2.18 | 0.00163 | 1.52 | 0.0269 | 0.0011 | 0.932 | 0.00187 | 0.00342 | 0.0000435 | 0.000366 | 0.0000993 | 0.0416 | 0.00000854 | 0.000537 | 0.00063 | 0.00262 | 0.0000187 |
| 2042 Oct | 0.00000933 | 2.18 | 0.0016 | 1.48 | 0.0268 | 0.00114 | 0.902 | 0.00186 | 0.00329 | 0.0000559 | 0.000379 | 0.000102 | 0.04 | 0.00000864 | 0.000557 | 0.000644 | 0.00267 | 0.0000172 |
| 2042 Nov | 0.00000892 | 2.15 | 0.00163 | 1.5 | 0.0268 | 0.00109 | 0.918 | 0.00184 | 0.00338 | 0.0000559 | 0.00036 | 0.0000978 | 0.0414 | 0.00000843 | 0.000528 | 0.000621 | 0.0026 | 0.0000183 |
| 2042 Dec | 0.00000846 | 2.1 | 0.00165 | 1.51 | 0.0266 | 0.00103 | 0.934 | 0.00181 | 0.00347 | 0.0000545 | 0.000337 | 0.0000927 | 0.0429 | 0.00000819 | 0.000495 | 0.000595 | 0.00252 | 0.0000194 |
| 2043 Jan | 0.00000801 | 2.06 | 0.00167 | 1.53 | 0.0265 | 0.000971 | 0.949 | 0.00178 | 0.00356 | 0.0000531 | 0.000316 | 0.0000877 | 0.0443 | 0.00000796 | 0.000464 | 0.000569 | 0.00245 | 0.0000205 |
| 2043 Feb | 0.00000761 | 2.03 | 0.00168 | 1.54 | 0.0264 | 0.000921 | 0.963 | 0.00175 | 0.00364 | 0.0000518 | 0.000297 | 0.0000833 | 0.0455 | 0.00000775 | 0.000435 | 0.000547 | 0.00238 | 0.0000214 |
| 2043 Mar | 0.00000724 | 1.99 | 0.0017 | 1.55 | 0.0263 | 0.000873 | 0.976 | 0.00173 | 0.00371 | 0.0000506 | 0.000279 | 0.0000791 | 0.0467 | 0.00000755 | 0.000409 | 0.000525 | 0.00232 | 0.0000223 |
| 2043 Apr | 0.00000688 | 1.96 | 0.00172 | 1.57 | 0.0262 | 0.000828 | 0.989 | 0.00171 | 0.00379 | 0.0000495 | 0.000262 | 0.0000751 | 0.0479 | 0.00000737 | 0.000383 | 0.000505 | 0.00226 | 0.0000232 |
| 2043 May | 0.00000648 | 1.94 | 0.00177 | 1.6 | 0.0266 | 0.000774 | 1.02 | 0.0017 | 0.00394 | 0.0000483 | 0.000241 | 0.0000706 | 0.0501 | 0.00000721 | 0.000353 | 0.000484 | 0.00221 | 0.0000247 |
| 2043 Jun | 0.00000797 | 2.04 | 0.00164 | 1.5 | 0.0272 | 0.000938 | 0.944 | 0.00177 | 0.00344 | 0.0000473 | 0.000315 | 0.0000871 | 0.0433 | 0.00000787 | 0.000462 | 0.000565 | 0.00242 | 0.0000186 |
| 2043 Jul | 0.00000766 | 2.03 | 0.00168 | 1.53 | 0.0271 | 0.000901 | 0.968 | 0.00176 | 0.00356 | 0.0000467 | 0.000299 | 0.0000835 | 0.045 | 0.00000775 | 0.000439 | 0.000548 | 0.00238 | 0.0000192 |
| 2043 Aug | 0.0000081 | 2.09 | 0.00169 | 1.54 | 0.0279 | 0.000953 | 0.971 | 0.00181 | 0.00356 | 0.0000475 | 0.000319 | 0.0000884 | 0.0448 | 0.00000804 | 0.000469 | 0.000575 | 0.00247 | 0.0000187 |
| 2043 Sep | 0.00000857 | 2.14 | 0.00169 | 1.52 | 0.0287 | 0.00101 | 0.962 | 0.00185 | 0.00351 | 0.000048 | 0.000341 | 0.0000937 | 0.0439 | 0.00000831 | 0.000502 | 0.000603 | 0.00255 | 0.0000178 |
| 2043 Oct | 0.00000858 | 2.14 | 0.0017 | 1.52 | 0.0287 | 0.00101 | 0.962 | 0.00185 | 0.00352 | 0.000048 | 0.000342 | 0.0000938 | 0.044 | 0.00000831 | 0.000503 | 0.000603 | 0.00255 | 0.0000178 |
| 2043 Nov | 0.00000853 | 2.14 | 0.0017 | 1.53 | 0.0287 | 0.000999 | 0.965 | 0.00185 | 0.00353 | 0.0000479 | 0.000339 | 0.0000932 | 0.0442 | 0.00000829 | 0.000499 | 0.0006 | 0.00254 | 0.0000178 |
| 2043 Dec | 0.00000852 | 2.14 | 0.0017 | 1.53 | 0.0287 | 0.000999 | 0.965 | 0.00185 | 0.00353 | 0.0000479 | 0.000339 | 0.0000932 | 0.0442 | 0.00000829 | 0.000499 | 0.0006 | 0.00254 | 0.0000178 |
| 2044 Jan | 0.00000853 | 2.14 | 0.0017 | 1.53 | 0.0288 | 0.001 | 0.965 | 0.00185 | 0.00354 | 0.0000479 | 0.000339 | 0.0000933 | 0.0442 | 0.00000829 | 0.0005 | 0.000601 | 0.00255 | 0.0000178 |
| 2044 Feb | 0.00000853 | 2.14 | 0.0017 | 1.53 | 0.0288 | 0.001 | 0.965 | 0.00185 | 0.00354 | 0.0000479 | 0.000339 | 0.0000933 | 0.0442 | 0.00000829 | 0.000499 | 0.000601 | 0.00254 | 0.0000178 |
| 2044 Mar | 0.00000853 | 2.14 | 0.0017 | 1.53 | 0.0288 | 0.001 | 0.965 | 0.00185 | 0.00354 | 0.0000479 | 0.000339 | 0.0000933 | 0.0442 | 0.00000829 | 0.000499 | 0.000601 | 0.00255 | 0.0000178 |
| 2044 Apr | 0.00000854 | 2.14 | 0.0017 | 1.53 | 0.0288 | 0.001 | 0.965 | 0.00185 | 0.00354 | 0.000048 | 0.00034 | 0.0000933 | 0.0443 | 0.0000083 | 0.0005 | 0.000601 | 0.00255 | 0.0000178 |
| 2044 May | 0.00000862 | 2.16 | 0.00171 | 1.54 | 0.0291 | 0.00101 | 0.971 | 0.00187 | 0.00356 | 0.0000483 | 0.000343 | 0.0000943 | 0.0445 | 0.00000837 | 0.000505 | 0.000607 | 0.00257 | 0.0000179 |
| 2044 Jun | 0.00000909 | 2.2 | 0.00167 | 1.52 | 0.0291 | 0.00106 | 0.956 | 0.00189 | 0.00346 | 0.0000472 | 0.000366 | 0.0000994 | 0.0426 | 0.00000858 | 0.000539 | 0.000632 | 0.00263 | 0.0000153 |
| 2044 Jul | 0.00000888 | 2.19 | 0.00169 | 1.55 | 0.0289 | 0.00104 | 0.973 | 0.00189 | 0.00354 | 0.0000467 | 0.000355 | 0.000097 | 0.0437 | 0.00000851 | 0.000523 | 0.000621 | 0.00261 | 0.0000152 |
| 2044 Aug | 0.00000894 | 2.22 | 0.00172 | 1.57 | 0.0292 | 0.00105 | 0.988 | 0.00191 | 0.0036 | 0.0000472 | 0.000357 | 0.0000976 | 0.0445 | 0.0000086 | 0.000525 | 0.000626 | 0.00264 | 0.0000154 |

**Appendix D4. IVR Attenuation Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 125 | 0.255 | 0.267 | 0.00704 | 28.2 | 0.104 | 41.5 | 0.0000135 | 0.00688 | 0.0113 | 0.0187 | 0.0418 | 0.0000446 | 30.1 | 0.0000132 | 0.000356 | 0.000269 | 0.00108 | 0.08 |
| Operation (Jan., 2024 to Jun., 2028): Average | 165 | 0.709 | 1.15 | 0.0554 | 32.2 | 0.124 | 68.2 | 0.0000149 | 0.0123 | 0.0852 | 0.0223 | 0.0465 | 0.0000731 | 38.8 | 0.0000206 | 0.000418 | 0.00041 | 0.00165 | 0.155 |
| Operation (Jan., 2024 to Jun., 2028): Max | 267 | 1.79 | 3.43 | 0.188 | 35.5 | 0.174 | 135 | 0.0000213 | 0.0379 | 0.255 | 0.0254 | 0.0532 | 0.0000837 | 61.5 | 0.00004 | 0.000594 | 0.00046 | 0.00303 | 0.189 |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Oct., 2033): Min | 140 | 0.00179 | 0.0275 | 0.000454 | 6.81 | 0.215 | 90 | 0.00000881 | 0.0641 | 0.154 | 0.00773 | 0.0463 | 0.0000128 | 30 | 0.000029 | 0.000386 | 0.0000764 | 0.00408 | 0.0146 |
| Active Closure (Jul., 2028 to Oct., 2033): Average | 378 | 0.0395 | 0.444 | 0.00488 | 16.8 | 0.281 | 254 | 0.0000269 | 0.0969 | 0.493 | 0.0117 | 0.0654 | 0.0000214 | 82.6 | 0.0000761 | 0.000695 | 0.000125 | 0.00696 | 0.0239 |
| Active Closure (Jul., 2028 to Oct., 2033): Max | 978 | 1.02 | 2 | 0.0154 | 76.1 | 0.54 | 597 | 0.0000536 | 0.129 | 1.35 | 0.0438 | 0.159 | 0.000105 | 222 | 0.000173 | 0.00139 | 0.000623 | 0.0129 | 0.172 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Oct 2033) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 136 | 0.327 | 0.304 | 0.00976 | 33 | 0.112 | 46.2 | 0.0000135 | 0.00714 | 0.0176 | 0.0216 | 0.0461 | 0.0000794 | 32.2 | 0.0000139 | 0.000418 | 0.000444 | 0.00113 | 0.189 |
| 2024 Feb | 132 | 0.301 | 0.276 | 0.00785 | 32.7 | 0.112 | 44.3 | 0.0000136 | 0.00694 | 0.014 | 0.0224 | 0.0458 | 0.00008 | 31.5 | 0.0000134 | 0.000412 | 0.000445 | 0.0011 | 0.187 |
| 2024 Mar | 131 | 0.288 | 0.27 | 0.00724 | 32.6 | 0.111 | 43.7 | 0.0000137 | 0.00689 | 0.0127 | 0.0227 | 0.0452 | 0.0000805 | 31.2 | 0.0000133 | 0.000404 | 0.000447 | 0.00109 | 0.184 |
| 2024 Apr | 130 | 0.285 | 0.267 | 0.00704 | 32.5 | 0.111 | 43.4 | 0.0000137 | 0.00688 | 0.0123 | 0.0229 | 0.0452 | 0.0000806 | 31.1 | 0.0000133 | 0.000403 | 0.000447 | 0.00109 | 0.183 |
| 2024 May | 137 | 0.48 | 0.7 | 0.0306 | 31.7 | 0.123 | 48.9 | 0.0000151 | 0.0119 | 0.0507 | 0.0232 | 0.0468 | 0.0000759 | 33 | 0.0000151 | 0.000429 | 0.000421 | 0.00141 | 0.17 |
| 2024 Jun | 228 | 1.65 | 2.83 | 0.172 | 32.4 | 0.15 | 111 | 0.0000157 | 0.0199 | 0.249 | 0.0207 | 0.0522 | 0.0000576 | 53.1 | 0.000034 | 0.000448 | 0.000335 | 0.00269 | 0.116 |
| 2024 Jul | 210 | 1.26 | 2.23 | 0.117 | 32.8 | 0.14 | 98.8 | 0.0000156 | 0.0159 | 0.181 | 0.0227 | 0.0513 | 0.0000672 | 49.1 | 0.0000305 | 0.000437 | 0.000382 | 0.00233 | 0.137 |
| 2024 Aug | 196 | 1.06 | 1.95 | 0.0885 | 34.1 | 0.138 | 87.8 | 0.0000154 | 0.0152 | 0.161 | 0.0219 | 0.0521 | 0.0000687 | 46 | 0.0000267 | 0.000454 | 0.000389 | 0.00214 | 0.156 |
| 2024 Sep | 204 | 1.24 | 2.45 | 0.116 | 32.5 | 0.145 | 95.4 | 0.0000165 | 0.0203 | 0.192 | 0.0196 | 0.0532 | 0.0000592 | 47.4 | 0.0000289 | 0.000495 | 0.000341 | 0.00244 | 0.14 |
| 2024 Oct | 171 | 0.817 | 1.46 | 0.0608 | 31.4 | 0.13 | 73.1 | 0.000016 | 0.0147 | 0.0907 | 0.021 | 0.0493 | 0.0000682 | 39.8 | 0.0000225 | 0.00047 | 0.000389 | 0.00184 | 0.156 |
| 2024 Nov | 147 | 0.524 | 0.783 | 0.0312 | 31.9 | 0.119 | 56 | 0.0000148 | 0.0106 | 0.0457 | 0.022 | 0.0467 | 0.000075 | 34.7 | 0.0000172 | 0.000433 | 0.000422 | 0.00142 | 0.17 |
| 2024 Dec | 136 | 0.374 | 0.449 | 0.0158 | 32.2 | 0.114 | 47.9 | 0.0000141 | 0.00816 | 0.0238 | 0.0226 | 0.0456 | 0.0000786 | 32.4 | 0.0000147 | 0.000413 | 0.000438 | 0.00121 | 0.178 |
| 2025 Jan | 132 | 0.314 | 0.326 | 0.0099 | 32.4 | 0.112 | 44.8 | 0.0000138 | 0.0073 | 0.0159 | 0.0228 | 0.0452 | 0.0000799 | 31.5 | 0.0000137 | 0.000405 | 0.000444 | 0.00113 | 0.181 |
| 2025 Feb | 131 | 0.294 | 0.285 | 0.00791 | 32.4 | 0.111 | 43.7 | 0.0000138 | 0.00701 | 0.0134 | 0.0229 | 0.0452 | 0.0000803 | 31.2 | 0.0000134 | 0.000404 | 0.000446 | 0.0011 | 0.183 |
| 2025 Mar | 130 | 0.287 | 0.272 | 0.00727 | 32.5 | 0.111 | 43.4 | 0.0000137 | 0.00691 | 0.0125 | 0.0229 | 0.0452 | 0.0000804 | 31.1 | 0.0000133 | 0.000403 | 0.000446 | 0.00109 | 0.183 |
| 2025 Apr | 130 | 0.285 | 0.267 | 0.00705 | 32.5 | 0.111 | 43.4 | 0.0000137 | 0.00688 | 0.0123 | 0.0229 | 0.0452 | 0.0000805 | 31.1 | 0.0000132 | 0.000404 | 0.000446 | 0.00109 | 0.184 |
| 2025 May | 129 | 0.286 | 0.271 | 0.00719 | 32.3 | 0.114 | 42.6 | 0.0000142 | 0.0071 | 0.0124 | 0.0243 | 0.0459 | 0.0000818 | 31.2 | 0.0000132 | 0.000407 | 0.000451 | 0.00111 | 0.184 |
| 2025 Jun | 193 | 1.24 | 2.36 | 0.118 | 31.1 | 0.153 | 88 | 0.0000194 | 0.0241 | 0.183 | 0.0215 | 0.0522 | 0.000058 | 45.5 | 0.0000261 | 0.000528 | 0.000337 | 0.00243 | 0.121 |
| 2025 Jul | 258 | 1.76 | 2.94 | 0.177 | 33.5 | 0.15 | 131 | 0.0000159 | 0.0182 | 0.235 | 0.0206 | 0.052 | 0.0000605 | 59.2 | 0.0000391 | 0.00045 | 0.000354 | 0.00276 | 0.12 |
| 2025 Aug | 223 | 1.3 | 2.22 | 0.118 | 35.2 | 0.142 | 105 | 0.0000151 | 0.015 | 0.187 | 0.0214 | 0.0523 | 0.0000675 | 51.9 | 0.0000311 | 0.000451 | 0.000383 | 0.00229 | 0.153 |
| 2025 Sep | 227 | 1.48 | 2.61 | 0.144 | 33.6 | 0.147 | 111 | 0.0000147 | 0.0191 | 0.214 | 0.0187 | 0.0514 | 0.0000584 | 52.8 | 0.0000327 | 0.000455 | 0.000335 | 0.00252 | 0.139 |
| 2025 Oct | 191 | 1.1 | 1.77 | 0.0947 | 31.7 | 0.135 | 86.9 | 0.0000143 | 0.0155 | 0.128 | 0.0197 | 0.0483 | 0.0000643 | 44.5 | 0.0000262 | 0.000439 | 0.000369 | 0.00204 | 0.149 |
| 2025 Nov | 158 | 0.664 | 0.91 | 0.0465 | 31.9 | 0.12 | 63.3 | 0.0000137 | 0.0102 | 0.0584 | 0.0214 | 0.0461 | 0.0000734 | 37.1 | 0.0000193 | 0.000414 | 0.000415 | 0.00149 | 0.166 |
| 2025 Dec | 140 | 0.422 | 0.491 | 0.021 | 32.2 | 0.114 | 50.4 | 0.0000137 | 0.00795 | 0.0279 | 0.0224 | 0.0455 | 0.000078 | 33.2 | 0.0000154 | 0.000407 | 0.000436 | 0.00123 | 0.177 |
| 2026 Jan | 133 | 0.329 | 0.339 | 0.0115 | 32.4 | 0.112 | 45.6 | 0.0000137 | 0.00722 | 0.0172 | 0.0227 | 0.0453 | 0.0000797 | 31.8 | 0.0000139 | 0.000405 | 0.000443 | 0.00113 | 0.182 |
| 2026 Feb | 131 | 0.298 | 0.29 | 0.00846 | 32.4 | 0.111 | 44.1 | 0.0000137 | 0.00698 | 0.0138 | 0.0228 | 0.0451 | 0.0000803 | 31.3 | 0.0000135 | 0.000402 | 0.000446 | 0.0011 | 0.182 |
| 2026 Mar | 130 | 0.289 | 0.273 | 0.00744 | 32.5 | 0.111 | 43.5 | 0.0000137 | 0.00691 | 0.0127 | 0.0229 | 0.0453 | 0.0000804 | 31.2 | 0.0000133 | 0.000405 | 0.000446 | 0.0011 | 0.184 |
| 2026 Apr | 130 | 0.286 | 0.268 | 0.00711 | 32.5 | 0.111 | 43.4 | 0.0000137 | 0.00689 | 0.0123 | 0.0229 | 0.0453 | 0.0000807 | 31.2 | 0.0000133 | 0.000404 | 0.000447 | 0.00109 | 0.184 |
| 2026 May | 130 | 0.297 | 0.337 | 0.00903 | 32.1 | 0.115 | 43.5 | 0.0000145 | 0.00804 | 0.0155 | 0.0241 | 0.0461 | 0.0000807 | 31.3 | 0.0000134 | 0.000415 | 0.000446 | 0.00116 | 0.181 |
| 2026 Jun | 213 | 1.49 | 2.64 | 0.144 | 31.2 | 0.156 | 102 | 0.0000182 | 0.0241 | 0.206 | 0.0203 | 0.0511 | 0.0000541 | 49.9 | 0.0000297 | 0.000508 | 0.000318 | 0.00257 | 0.111 |
| 2026 Jul | 267 | 1.76 | 3.01 | 0.188 | 35.5 | 0.147 | 135 | 0.0000149 | 0.0163 | 0.255 | 0.0214 | 0.052 | 0.0000629 | 61.5 | 0.00004 | 0.000419 | 0.000361 | 0.00274 | 0.122 |
| 2026 Aug | 232 | 1.37 | 2.43 | 0.134 | 35.3 | 0.137 | 112 | 0.0000145 | 0.0149 | 0.203 | 0.0218 | 0.0498 | 0.0000681 | 53.8 | 0.0000333 | 0.000402 | 0.000385 | 0.00236 | 0.134 |
| 2026 Sep | 206 | 1.08 | 1.94 | 0.0935 | 34.2 | 0.129 | 95 | 0.0000142 | 0.0131 | 0.158 | 0.0222 | 0.0478 | 0.0000711 | 47.9 | 0.0000283 | 0.000389 | 0.000399 | 0.00205 | 0.141 |
| 2026 Oct | 171 | 0.712 | 1.21 | 0.0515 | 32.3 | 0.118 | 72.4 | 0.000014 | 0.0104 | 0.0843 | 0.0231 | 0.045 | 0.0000761 | 39.8 | 0.0000221 | 0.000375 | 0.000425 | 0.00163 | 0.15 |
| 2026 Nov | 145 | 0.441 | 0.663 | 0.0255 | 31.6 | 0.109 | 55 | 0.000014 | 0.00843 | 0.0393 | 0.0237 | 0.0428 | 0.0000802 | 34 | 0.0000171 | 0.000361 | 0.000446 | 0.00131 | 0.155 |
| 2026 Dec | 133 | 0.321 | 0.425 | 0.014 | 31.3 | 0.105 | 47 | 0.000014 | 0.00759 | 0.0213 | 0.024 | 0.042 | 0.0000819 | 31.4 | 0.0000148 | 0.000356 | 0.000454 | 0.00117 | 0.157 |
| 2027 Jan | 129 | 0.275 | 0.332 | 0.0095 | 31.3 | 0.104 | 43.9 | 0.000014 | 0.00726 | 0.0146 | 0.0241 | 0.0418 | 0.0000825 | 30.4 | 0.0000138 | 0.000356 | 0.000457 | 0.00111 | 0.159 |
| 2027 Feb | 127 | 0.261 | 0.299 | 0.00793 | 31.4 | 0.104 | 42.9 | 0.0000139 | 0.00713 | 0.0123 | 0.024 | 0.0419 | 0.0000826 | 30.2 | 0.0000135 | 0.000358 | 0.000457 | 0.00109 | 0.161 |
| 2027 Mar | 127 | 0.256 | 0.287 | 0.00737 | 31.4 | 0.104 | 42.5 | 0.0000139 | 0.00708 | 0.0115 | 0.024 | 0.042 | 0.0000826 | 30.1 | 0.0000134 | 0.00036 | 0.000457 | 0.00109 | 0.162 |
| 2027 Apr | 127 | 0.255 | 0.283 | 0.00718 | 31.5 | 0.104 | 42.5 | 0.0000139 | 0.00707 | 0.0113 | 0.024 | 0.0421 | 0.0000828 | 30.1 | 0.0000134 | 0.000361 | 0.000458 | 0.00108 | 0.163 |
| 2027 May | 134 | 0.303 | 0.575 | 0.0133 | 30.3 | 0.116 | 48.5 | 0.0000165 | 0.0113 | 0.0202 | 0.025 | 0.0436 | 0.0000794 | 31.8 | 0.0000152 | 0.000436 | 0.000439 | 0.00127 | 0.154 |
| 2027 Jun | 243 | 1.71 | 3.43 | 0.176 | 30 | 0.174 | 124 | 0.0000208 | 0.0321 | 0.247 | 0.0194 | 0.0512 | 0.0000446 | 55.8 | 0.0000345 | 0.000594 | 0.000269 | 0.00303 | 0.08 |
| 2027 Jul | 259 | 1.79 | 3.18 | 0.18 | 31.2 | 0.152 | 134 | 0.0000164 | 0.0215 | 0.231 | 0.0199 | 0.0492 | 0.0000546 | 59 | 0.0000396 | 0.000462 | 0.000324 | 0.00284 | 0.0947 |
| 2027 Aug | 222 | 1.27 | 2.36 | 0.115 | 33.4 | 0.142 | 107 | 0.0000162 | 0.0177 | 0.179 | 0.0217 | 0.0492 | 0.0000649 | 51.3 | 0.0000312 | 0.000457 | 0.000371 | 0.00232 | 0.127 |
| 2027 Sep | 217 | 1.32 | 2.5 | 0.126 | 33.3 | 0.144 | 104 | 0.0000158 | 0.02 | 0.199 | 0.0202 | 0.0492 | 0.0000607 | 50.4 | 0.0000303 | 0.00045 | 0.000346 | 0.00241 | 0.126 |
| 2027 Oct | 194 | 1.14 | 1.97 | 0.104 | 31.3 | 0.133 | 89.2 | 0.0000146 | 0.017 | 0.143 | 0.0201 | 0.0462 | 0.0000636 | 44.9 | 0.0000267 | 0.000415 | 0.000364 | 0.00211 | 0.129 |
| 2027 Nov | 162 | 0.682 | 1.12 | 0.053 | 30.8 | 0.118 | 67.7 | 0.0000145 | 0.0121 | 0.0664 | 0.022 | 0.0437 | 0.0000728 | 37.6 | 0.0000205 | 0.0004 | 0.000411 | 0.00158 | 0.142 |
| 2027 Dec | 141 | 0.426 | 0.624 | 0.0255 | 31.1 | 0.11 | 53 | 0.0000142 | 0.00917 | 0.0322 | 0.0232 | 0.0426 | 0.0000786 | 33.1 | 0.0000163 | 0.000378 | 0.000439 | 0.00129 | 0.153 |
| 2028 Jan | 132 | 0.316 | 0.403 | 0.0137 | 31.3 | 0.106 | 46.2 | 0.000014 | 0.00781 | 0.0185 | 0.0236 | 0.0422 | 0.0000812 | 31.1 | 0.0000144 | 0.000366 | 0.000451 | 0.00115 | 0.159 |
| 2028 Feb | 129 | 0.275 | 0.324 | 0.00943 | 31.4 | 0.104 | 43.7 | 0.000014 | 0.00732 | 0.0137 | 0.0238 | 0.042 | 0.0000822 | 30.4 | 0.0000137 | 0.000362 | 0.000455 | 0.00111 | 0.161 |
| 2028 Mar | 127 | 0.261 | 0.296 | 0.00789 | 31.4 | 0.104 | 42.8 | 0.0000139 | 0.00714 | 0.012 | 0.0239 | 0.042 | 0.0000825 | 30.2 | 0.0000135 | 0.000361 | 0.000456 | 0.00109 | 0.162 |
| 2028 Apr | 127 | 0.256 | 0.286 | 0.00734 | 31.4 | 0.104 | 42.6 | 0.0000139 | 0.00708 | 0.0114 | 0.024 | 0.0421 | 0.0000826 | 30.1 | 0.0000134 | 0.000361 | 0.000457 | 0.00108 | 0.162 |
| 2028 May | 125 | 0.255 | 0.286 | 0.00731 | 31.1 | 0.107 | 41.5 | 0.0000143 | 0.00726 | 0.0114 | 0.0254 | 0.0426 | 0.0000837 | 30.1 | 0.0000132 | 0.000363 | 0.00046 | 0.0011 | 0.162 |
| 2028 Jun | 175 | 0.535 | 1.19 | 0.00786 | 28.2 | 0.166 | 80.8 | 0.0000213 | 0.0379 | 0.179 | 0.0204 | 0.0479 | 0.0000537 | 41.8 | 0.0000247 | 0.000531 | 0.00031 | 0.00272 | 0.0961 |

**Appendix D4. IVR Attenuation Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jul | 978 | 1.02 | 2 | 0.00471 | 76.1 | 0.54 | 597 | 0.0000536 | 0.109 | 1.3 | 0.0438 | 0.159 | 0.000105 | 222 | 0.000173 | 0.00139 | 0.000623 | 0.0129 | 0.172 |
| 2028 Aug | 814 | 0.0404 | 0.393 | 0.00408 | 23.3 | 0.343 | 563 | 0.0000258 | 0.069 | 1.35 | 0.0115 | 0.103 | 0.0000164 | 178 | 0.000159 | 0.000696 | 0.000106 | 0.0105 | 0.019 |
| 2028 Sep | 650 | 0.026 | 0.395 | 0.00427 | 19.5 | 0.329 | 448 | 0.0000296 | 0.0811 | 1.02 | 0.0116 | 0.0889 | 0.0000172 | 142 | 0.000128 | 0.000747 | 0.000107 | 0.00947 | 0.0187 |
| 2028 Oct | 145 | 0.0442 | 0.661 | 0.0071 | 12 | 0.315 | 90 | 0.0000459 | 0.126 | 0.174 | 0.0148 | 0.0563 | 0.0000266 | 31.1 | 0.000029 | 0.001 | 0.000148 | 0.00633 | 0.0283 |
| 2028 Nov | 182 | 0.043 | 0.635 | 0.00678 | 12.6 | 0.312 | 116 | 0.000045 | 0.123 | 0.234 | 0.0146 | 0.0582 | 0.000026 | 39.3 | 0.0000363 | 0.000991 | 0.000145 | 0.00645 | 0.0276 |
| 2028 Dec | 181 | 0.043 | 0.634 | 0.00676 | 12.5 | 0.312 | 115 | 0.000045 | 0.123 | 0.232 | 0.0146 | 0.0582 | 0.000026 | 39.1 | 0.0000361 | 0.000992 | 0.000145 | 0.00645 | 0.0277 |
| 2029 Jan | 181 | 0.043 | 0.633 | 0.00675 | 12.5 | 0.312 | 115 | 0.0000451 | 0.123 | 0.231 | 0.0146 | 0.0581 | 0.000026 | 39 | 0.000036 | 0.000992 | 0.000145 | 0.00645 | 0.0277 |
| 2029 Feb | 181 | 0.043 | 0.633 | 0.00675 | 12.5 | 0.312 | 115 | 0.0000451 | 0.123 | 0.231 | 0.0146 | 0.0581 | 0.000026 | 38.9 | 0.000036 | 0.000992 | 0.000145 | 0.00645 | 0.0277 |
| 2029 Mar | 181 | 0.043 | 0.633 | 0.00675 | 12.5 | 0.312 | 115 | 0.0000451 | 0.123 | 0.231 | 0.0146 | 0.0581 | 0.000026 | 38.9 | 0.000036 | 0.000992 | 0.000145 | 0.00645 | 0.0277 |
| 2029 Apr | 181 | 0.0431 | 0.634 | 0.00675 | 12.5 | 0.313 | 115 | 0.0000451 | 0.123 | 0.231 | 0.0146 | 0.0582 | 0.0000261 | 38.9 | 0.000036 | 0.000994 | 0.000146 | 0.00645 | 0.0277 |
| 2029 May | 180 | 0.0449 | 0.71 | 0.00781 | 13.7 | 0.309 | 114 | 0.0000453 | 0.123 | 0.23 | 0.0148 | 0.0577 | 0.0000263 | 38.8 | 0.0000359 | 0.000994 | 0.000148 | 0.00634 | 0.0278 |
| 2029 Jun | 516 | 0.0452 | 0.658 | 0.00697 | 21.3 | 0.364 | 347 | 0.0000488 | 0.129 | 0.744 | 0.0168 | 0.0863 | 0.0000276 | 113 | 0.000103 | 0.00112 | 0.000162 | 0.0089 | 0.0293 |
| 2029 Jul | 457 | 0.0342 | 0.479 | 0.00499 | 16.7 | 0.333 | 310 | 0.0000382 | 0.105 | 0.637 | 0.0134 | 0.0761 | 0.0000221 | 99.8 | 0.000091 | 0.000895 | 0.000128 | 0.00845 | 0.024 |
| 2029 Aug | 430 | 0.0377 | 0.621 | 0.00697 | 18.3 | 0.329 | 291 | 0.0000386 | 0.106 | 0.584 | 0.0136 | 0.0737 | 0.0000227 | 93.8 | 0.0000858 | 0.000895 | 0.000129 | 0.00824 | 0.0244 |
| 2029 Sep | 302 | 0.0395 | 0.52 | 0.00522 | 14.9 | 0.275 | 198 | 0.0000437 | 0.115 | 0.397 | 0.0142 | 0.06 | 0.0000243 | 66 | 0.0000607 | 0.000974 | 0.000137 | 0.00606 | 0.0261 |
| 2029 Oct | 179 | 0.0532 | 1.04 | 0.0125 | 20.5 | 0.222 | 113 | 0.0000455 | 0.115 | 0.218 | 0.0149 | 0.0463 | 0.0000263 | 38.8 | 0.0000362 | 0.000972 | 0.000154 | 0.00408 | 0.0276 |
| 2029 Nov | 201 | 0.0531 | 1.08 | 0.0131 | 21.5 | 0.225 | 129 | 0.000044 | 0.111 | 0.25 | 0.0146 | 0.0477 | 0.0000257 | 43.6 | 0.0000405 | 0.000944 | 0.000152 | 0.00431 | 0.0268 |
| 2029 Dec | 188 | 0.0526 | 1.03 | 0.0123 | 20.5 | 0.224 | 119 | 0.0000451 | 0.114 | 0.231 | 0.0148 | 0.047 | 0.000026 | 40.7 | 0.0000379 | 0.000965 | 0.000152 | 0.00417 | 0.0272 |
| 2030 Jan | 187 | 0.0526 | 1.03 | 0.0123 | 20.4 | 0.225 | 118 | 0.0000451 | 0.114 | 0.229 | 0.0148 | 0.047 | 0.000026 | 40.5 | 0.0000377 | 0.000966 | 0.000152 | 0.00419 | 0.0272 |
| 2030 Feb | 186 | 0.0525 | 1.03 | 0.0122 | 20.4 | 0.225 | 118 | 0.0000452 | 0.114 | 0.228 | 0.0148 | 0.0471 | 0.0000261 | 40.4 | 0.0000376 | 0.000966 | 0.000152 | 0.0042 | 0.0273 |
| 2030 Mar | 186 | 0.0525 | 1.02 | 0.0122 | 20.4 | 0.226 | 118 | 0.0000452 | 0.114 | 0.228 | 0.0148 | 0.0471 | 0.0000261 | 40.3 | 0.0000376 | 0.000967 | 0.000153 | 0.00421 | 0.0273 |
| 2030 Apr | 187 | 0.0527 | 1.03 | 0.0123 | 20.4 | 0.227 | 118 | 0.0000454 | 0.115 | 0.229 | 0.0149 | 0.0473 | 0.0000262 | 40.5 | 0.0000377 | 0.000971 | 0.000153 | 0.00423 | 0.0274 |
| 2030 May | 186 | 0.0576 | 1.25 | 0.0154 | 23.7 | 0.226 | 118 | 0.0000452 | 0.113 | 0.225 | 0.0151 | 0.0471 | 0.0000267 | 40.1 | 0.0000373 | 0.000961 | 0.00016 | 0.00419 | 0.0274 |
| 2030 Jun | 588 | 0.0289 | 0.362 | 0.00352 | 18.5 | 0.33 | 402 | 0.0000348 | 0.0952 | 0.793 | 0.0127 | 0.0818 | 0.0000198 | 129 | 0.000118 | 0.000842 | 0.000118 | 0.00916 | 0.0214 |
| 2030 Jul | 481 | 0.0331 | 0.457 | 0.00472 | 17.4 | 0.325 | 326 | 0.0000373 | 0.102 | 0.626 | 0.0132 | 0.0748 | 0.0000215 | 105 | 0.0000966 | 0.000877 | 0.000125 | 0.00845 | 0.0233 |
| 2030 Aug | 640 | 0.0285 | 0.436 | 0.00473 | 21 | 0.333 | 439 | 0.0000318 | 0.0881 | 0.828 | 0.0121 | 0.0833 | 0.0000187 | 140 | 0.000129 | 0.000786 | 0.000111 | 0.00963 | 0.0203 |
| 2030 Sep | 721 | 0.0267 | 0.471 | 0.00543 | 23.6 | 0.326 | 497 | 0.0000282 | 0.0778 | 0.937 | 0.0114 | 0.0863 | 0.0000169 | 158 | 0.000145 | 0.00072 | 0.000107 | 0.00998 | 0.0183 |
| 2030 Oct | 571 | 0.0301 | 0.48 | 0.00531 | 20 | 0.321 | 391 | 0.0000324 | 0.0888 | 0.733 | 0.0121 | 0.0779 | 0.000019 | 125 | 0.000115 | 0.000784 | 0.000114 | 0.00901 | 0.0204 |
| 2030 Nov | 569 | 0.0285 | 0.389 | 0.00399 | 18.5 | 0.324 | 389 | 0.000033 | 0.0905 | 0.731 | 0.0121 | 0.0782 | 0.000019 | 125 | 0.000115 | 0.000798 | 0.000112 | 0.00906 | 0.0205 |
| 2030 Dec | 568 | 0.0285 | 0.389 | 0.00399 | 18.5 | 0.324 | 388 | 0.0000331 | 0.0906 | 0.729 | 0.0121 | 0.0781 | 0.000019 | 124 | 0.000114 | 0.000799 | 0.000113 | 0.00905 | 0.0205 |
| 2031 Jan | 567 | 0.0286 | 0.389 | 0.00399 | 18.5 | 0.324 | 387 | 0.0000331 | 0.0907 | 0.728 | 0.0121 | 0.0781 | 0.000019 | 124 | 0.000114 | 0.0008 | 0.000113 | 0.00904 | 0.0205 |
| 2031 Feb | 566 | 0.0286 | 0.389 | 0.00399 | 18.4 | 0.324 | 387 | 0.0000331 | 0.0908 | 0.727 | 0.0121 | 0.0781 | 0.000019 | 124 | 0.000114 | 0.0008 | 0.000113 | 0.00904 | 0.0205 |
| 2031 Mar | 566 | 0.0286 | 0.39 | 0.00399 | 18.4 | 0.324 | 387 | 0.0000331 | 0.0908 | 0.727 | 0.0121 | 0.0781 | 0.000019 | 124 | 0.000114 | 0.0008 | 0.000113 | 0.00904 | 0.0205 |
| 2031 Apr | 565 | 0.029 | 0.394 | 0.00403 | 18.5 | 0.325 | 386 | 0.0000335 | 0.0918 | 0.725 | 0.0122 | 0.0782 | 0.0000192 | 124 | 0.000114 | 0.000808 | 0.000114 | 0.00904 | 0.0208 |
| 2031 May | 501 | 0.0327 | 0.443 | 0.00452 | 17.9 | 0.319 | 340 | 0.0000371 | 0.1 | 0.638 | 0.013 | 0.0745 | 0.0000211 | 110 | 0.000101 | 0.000871 | 0.000123 | 0.00843 | 0.0226 |
| 2031 Jun | 458 | 0.0359 | 0.498 | 0.00515 | 17.3 | 0.344 | 310 | 0.0000401 | 0.11 | 0.576 | 0.0139 | 0.0758 | 0.0000231 | 100 | 0.0000922 | 0.000931 | 0.000136 | 0.00872 | 0.0246 |
| 2031 Jul | 572 | 0.0161 | 0.448 | 0.00594 | 21.4 | 0.3 | 394 | 0.0000163 | 0.0788 | 0.73 | 0.00977 | 0.0766 | 0.0000169 | 125 | 0.000116 | 0.000519 | 0.000108 | 0.00873 | 0.0195 |
| 2031 Aug | 651 | 0.00261 | 0.0943 | 0.00139 | 18.4 | 0.282 | 450 | 0.00000881 | 0.0641 | 0.847 | 0.00773 | 0.0783 | 0.0000128 | 143 | 0.000132 | 0.00039 | 0.0000764 | 0.00891 | 0.0146 |
| 2031 Sep | 374 | 0.00561 | 0.163 | 0.00237 | 13.2 | 0.26 | 256 | 0.00000941 | 0.0781 | 0.467 | 0.00792 | 0.0613 | 0.0000157 | 81.6 | 0.0000763 | 0.000388 | 0.0000886 | 0.00692 | 0.0175 |
| 2031 Oct | 317 | 0.00321 | 0.109 | 0.00161 | 11.5 | 0.256 | 215 | 0.00000941 | 0.0815 | 0.388 | 0.00784 | 0.058 | 0.0000161 | 69 | 0.0000655 | 0.000386 | 0.000098 | 0.00653 | 0.0172 |
| 2031 Nov | 319 | 0.00293 | 0.101 | 0.0015 | 11.4 | 0.255 | 216 | 0.00000942 | 0.0818 | 0.39 | 0.00784 | 0.0581 | 0.0000161 | 69.4 | 0.0000659 | 0.000387 | 0.0000982 | 0.00651 | 0.0172 |
| 2031 Dec | 318 | 0.00293 | 0.101 | 0.00149 | 11.4 | 0.255 | 215 | 0.00000943 | 0.0819 | 0.389 | 0.00785 | 0.058 | 0.0000161 | 69.1 | 0.0000657 | 0.000387 | 0.0000982 | 0.0065 | 0.0172 |
| 2032 Jan | 317 | 0.00293 | 0.1 | 0.00149 | 11.4 | 0.255 | 215 | 0.00000943 | 0.082 | 0.388 | 0.00785 | 0.058 | 0.0000161 | 69 | 0.0000655 | 0.000388 | 0.0000982 | 0.0065 | 0.0172 |
| 2032 Feb | 317 | 0.00293 | 0.1 | 0.00149 | 11.4 | 0.255 | 214 | 0.00000943 | 0.082 | 0.387 | 0.00785 | 0.058 | 0.0000161 | 68.9 | 0.0000655 | 0.000388 | 0.0000982 | 0.0065 | 0.0172 |
| 2032 Mar | 317 | 0.00293 | 0.1 | 0.00149 | 11.4 | 0.255 | 214 | 0.00000943 | 0.082 | 0.387 | 0.00785 | 0.058 | 0.0000161 | 68.9 | 0.0000654 | 0.000388 | 0.0000982 | 0.0065 | 0.0172 |
| 2032 Apr | 317 | 0.00293 | 0.1 | 0.00149 | 11.4 | 0.256 | 215 | 0.00000945 | 0.0821 | 0.388 | 0.00786 | 0.0581 | 0.0000162 | 69 | 0.0000655 | 0.000388 | 0.0000984 | 0.00651 | 0.0172 |
| 2032 May | 297 | 0.00366 | 0.132 | 0.00193 | 11.8 | 0.25 | 200 | 0.00000978 | 0.0867 | 0.359 | 0.00808 | 0.0567 | 0.0000169 | 64.6 | 0.0000616 | 0.000402 | 0.000101 | 0.00617 | 0.018 |
| 2032 Jun | 525 | 0.00218 | 0.0275 | 0.000454 | 15.1 | 0.275 | 360 | 0.00000922 | 0.0739 | 0.683 | 0.00787 | 0.0721 | 0.0000144 | 115 | 0.000106 | 0.000403 | 0.0000871 | 0.00796 | 0.015 |
| 2032 Jul | 373 | 0.00376 | 0.134 | 0.00197 | 12.8 | 0.265 | 255 | 0.00000963 | 0.0811 | 0.478 | 0.00809 | 0.0629 | 0.0000161 | 81.5 | 0.000076 | 0.000398 | 0.000097 | 0.00701 | 0.0185 |
| 2032 Aug | 463 | 0.00345 | 0.126 | 0.00185 | 14.6 | 0.269 | 318 | 0.0000093 | 0.0746 | 0.613 | 0.00792 | 0.068 | 0.0000149 | 101 | 0.0000938 | 0.000393 | 0.0000836 | 0.00758 | 0.0168 |
| 2032 Sep | 514 | 0.00735 | 0.253 | 0.00361 | 17.5 | 0.267 | 354 | 0.00000919 | 0.0695 | 0.688 | 0.00794 | 0.0702 | 0.0000144 | 112 | 0.000104 | 0.000386 | 0.0000867 | 0.00777 | 0.016 |
| 2032 Oct | 382 | 0.00695 | 0.261 | 0.00373 | 15.2 | 0.25 | 261 | 0.00000949 | 0.0781 | 0.497 | 0.00801 | 0.0614 | 0.0000158 | 83.2 | 0.0000779 | 0.00039 | 0.0000975 | 0.00665 | 0.017 |
| 2032 Nov | 323 | 0.00614 | 0.237 | 0.00338 | 14.1 | 0.236 | 218 | 0.00000986 | 0.0862 | 0.413 | 0.00818 | 0.0572 | 0.0000169 | 70.4 | 0.0000666 | 0.000407 | 0.000101 | 0.0059 | 0.018 |
| 2032 Dec | 270 | 0.00502 | 0.193 | 0.00276 | 12.9 | 0.222 | 180 | 0.0000102 | 0.0947 | 0.337 | 0.00835 | 0.0534 | 0.0000179 | 58.8 | 0.0000563 | 0.000427 | 0.000103 | 0.00516 | 0.0192 |
| 2033 Jan | 263 | 0.0049 | 0.188 | 0.00268 | 12.8 | 0.221 | 176 | 0.0000103 | 0.0956 | 0.328 | 0.00837 | 0.053 | 0.000018 | 57.5 | 0.0000551 | 0.000429 | 0.000103 | 0.00508 | 0.0193 |
| 2033 Feb | 258 | 0.00479 | 0.184 | 0.00262 | 12.6 | 0.219 | 172 | 0.0000103 | 0.0964 | 0.32 | 0.00838 | 0.0526 | 0.0000181 | 56.3 | 0.0000541 | 0.000431 | 0.000103 | 0.00501 | 0.0194 |
| 2033 Mar | 256 | 0.00476 | 0.182 | 0.0026 | 12.6 | 0.219 | 171 | 0.0000103 | 0.0967 | 0.318 | 0.00839 | 0.0525 | 0.0000181 | 56 | 0.0000538 | 0.000432 | 0.000103 | 0.00499 | 0.0195 |
| 2033 Apr | 258 | 0.00479 | 0.183 | 0.00262 | 12.7 | 0.22 | 172 | 0.0000104 | 0.0973 | 0.32 | 0.00844 | 0.0528 | 0.0000182 | 56.3 | 0.0000541 | 0.000434 | 0.000104 | 0.00502 | 0.0196 |
| 2033 May | 185 | 0.00362 | 0.119 | 0.00172 | 10.2 | 0.215 | 120 | 0.0000106 | 0.104 | 0.215 | 0.00852 | 0.0488 | 0.0000192 | 40.3 | 0.0000395 | 0.000443 | 0.000104 | 0.00448 | 0.0203 |
| 2033 Jun | 445 | 0.003 | 0.0747 | 0.0011 | 14.7 | 0.254 | 304 | 0.00000993 | 0.0855 | 0.591 | 0.0083 | 0.067 | 0.0000162 | 97.5 | 0.0000905 | 0.000431 | 0.0000945 | 0.00685 | 0.017 |
| 2033 Jul | 363 | 0.00355 | 0.135 | 0.00194 | 14 | 0.235 | 246 | 0.0000103 | 0.0929 | 0.481 | 0.00846 | 0.0608 | 0.0000173 | 79.4 | 0.0000744 | 0.000441 | 0.0000998 | 0.00591 | 0.0195 |
| 2033 Aug | 346 | 0.00342 | 0.131 | 0.00189 | 13.5 | 0.233 | 234 | 0.0000102 | 0.093 | 0.458 | 0.00842 | 0.0595 | 0.0000174 | 75.7 | 0.000071 | 0.000438 | 0.0000942 | 0.00579 | 0.0193 |
| 2033 Sep | 282 | 0.0049 | 0.15 | 0.00216 | 11.8 | 0.234 | 190 | 0.00000998 | 0.0904 | 0.366 | 0.00819 | 0.0555 | 0.0000173 | 61.6 | 0.0000581 | 0.000415 | 0.0000948 | 0.00563 | 0.0191 |
| 2033 Oct | 140 | 0.00179 | 0.0501 | 0.000802 | 6.81 | 0.241 | 90 | 0.00000977 | 0.0924 | 0.154 | 0.00789 | 0.0477 | 0.0000179 | 30 | 0.0000302 | 0.00039 | 0.000105 | 0.00521 | 0.019 |

**Appendix D4. IVR Attenuation Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.0000081 | 4.98 | 0.00307 | 5.87 | 0.172 | 0.00272 | 3.87 | 0.00597 | 0.0062 | 0.000109 | 0.000741 | 0.000591 | 0.127 | 0.0000056 | 0.000971 | 0.00182 | 0.003 | 0.0069 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000897 | 5.31 | 0.0042 | 7.68 | 0.213 | 0.00445 | 4.21 | 0.0225 | 0.00819 | 0.000172 | 0.00101 | 0.000676 | 0.186 | 0.00000744 | 0.00106 | 0.00208 | 0.00317 | 0.0152 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.0000139 | 6.44 | 0.00471 | 12.3 | 0.429 | 0.00849 | 4.88 | 0.0622 | 0.00909 | 0.000195 | 0.00184 | 0.000853 | 0.211 | 0.0000146 | 0.00112 | 0.00232 | 0.0039 | 0.019 |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Oct., 2033): Min | 0.0000163 | 4.21 | 0.00169 | 6.24 | 0.0451 | 0.00769 | 0.907 | 0.0427 | 0.00234 | 0.0000489 | 0.00131 | 0.000528 | 0.0264 | 0.0000135 | 0.00129 | 0.00151 | 0.00354 | 1.79E-25 |
| Active Closure (Jul., 2028 to Oct., 2033): Average | 0.0000253 | 6.04 | 0.00247 | 18.4 | 0.123 | 0.017 | 2.15 | 0.138 | 0.00574 | 0.000106 | 0.00243 | 0.00117 | 0.0393 | 0.0000253 | 0.00164 | 0.00178 | 0.00538 | 0.00119 |
| Active Closure (Jul., 2028 to Oct., 2033): Max | 0.0000363 | 14 | 0.00727 | 46.9 | 0.587 | 0.0373 | 10.7 | 0.312 | 0.0156 | 0.000266 | 0.00477 | 0.00294 | 0.268 | 0.0000403 | 0.00281 | 0.00488 | 0.00944 | 0.014 |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Oct 2033) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000812 | 5.37 | 0.00471 | 6.39 | 0.187 | 0.0031 | 4.2 | 0.00778 | 0.00887 | 0.000188 | 0.000845 | 0.000659 | 0.201 | 0.0000056 | 0.00111 | 0.00193 | 0.003 | 0.019 |
| 2024 Feb | 0.0000081 | 5.36 | 0.00466 | 6.26 | 0.183 | 0.00301 | 4.2 | 0.00669 | 0.00901 | 0.000188 | 0.000822 | 0.000638 | 0.204 | 0.00000568 | 0.0011 | 0.00201 | 0.00307 | 0.0189 |
| 2024 Mar | 0.00000812 | 5.31 | 0.00463 | 6.18 | 0.181 | 0.00294 | 4.16 | 0.00642 | 0.00898 | 0.000189 | 0.000805 | 0.000632 | 0.204 | 0.00000567 | 0.0011 | 0.00204 | 0.00308 | 0.0185 |
| 2024 Apr | 0.00000812 | 5.31 | 0.00462 | 6.17 | 0.181 | 0.00294 | 4.16 | 0.00627 | 0.00899 | 0.000188 | 0.000803 | 0.000628 | 0.205 | 0.0000057 | 0.00109 | 0.00206 | 0.00309 | 0.0185 |
| 2024 May | 0.00000901 | 5.41 | 0.00436 | 6.48 | 0.192 | 0.00352 | 4.23 | 0.0118 | 0.00868 | 0.000175 | 0.00094 | 0.000619 | 0.197 | 0.00000738 | 0.00109 | 0.00216 | 0.0033 | 0.0169 |
| 2024 Jun | 0.00000982 | 5.36 | 0.00346 | 10.5 | 0.249 | 0.0077 | 4.58 | 0.0537 | 0.00707 | 0.000134 | 0.00155 | 0.000766 | 0.155 | 0.0000101 | 0.000985 | 0.00211 | 0.00324 | 0.0109 |
| 2024 Jul | 0.00000946 | 5.5 | 0.00389 | 9.79 | 0.228 | 0.00678 | 4.51 | 0.0436 | 0.00776 | 0.000156 | 0.00146 | 0.000756 | 0.177 | 0.000009 | 0.00105 | 0.00227 | 0.00329 | 0.0133 |
| 2024 Aug | 0.00000936 | 5.64 | 0.00413 | 9.09 | 0.217 | 0.00605 | 4.63 | 0.036 | 0.00821 | 0.00016 | 0.00148 | 0.000757 | 0.182 | 0.00000862 | 0.00109 | 0.00218 | 0.00325 | 0.0153 |
| 2024 Sep | 0.00001 | 5.75 | 0.00384 | 9.35 | 0.247 | 0.00658 | 4.47 | 0.0427 | 0.00768 | 0.00014 | 0.00184 | 0.000783 | 0.16 | 0.0000104 | 0.00108 | 0.00207 | 0.0032 | 0.0135 |
| 2024 Oct | 0.0000093 | 5.64 | 0.00419 | 7.99 | 0.237 | 0.00497 | 4.13 | 0.027 | 0.00829 | 0.000161 | 0.00146 | 0.00071 | 0.178 | 0.00000882 | 0.00108 | 0.00207 | 0.00316 | 0.0154 |
| 2024 Nov | 0.00000871 | 5.43 | 0.00442 | 6.93 | 0.205 | 0.0038 | 4.12 | 0.0153 | 0.00866 | 0.000179 | 0.00107 | 0.000659 | 0.192 | 0.00000714 | 0.00109 | 0.00205 | 0.00313 | 0.0169 |
| 2024 Dec | 0.00000832 | 5.34 | 0.00454 | 6.44 | 0.19 | 0.00324 | 4.13 | 0.00952 | 0.00886 | 0.000185 | 0.000888 | 0.000637 | 0.2 | 0.0000062 | 0.00109 | 0.00206 | 0.0031 | 0.0178 |
| 2025 Jan | 0.00000819 | 5.31 | 0.00459 | 6.24 | 0.184 | 0.00303 | 4.14 | 0.00731 | 0.00894 | 0.000188 | 0.000828 | 0.00063 | 0.203 | 0.00000586 | 0.00109 | 0.00206 | 0.0031 | 0.0182 |
| 2025 Feb | 0.00000814 | 5.31 | 0.00461 | 6.19 | 0.182 | 0.00296 | 4.16 | 0.00656 | 0.00898 | 0.000188 | 0.000811 | 0.000627 | 0.205 | 0.00000576 | 0.00109 | 0.00206 | 0.0031 | 0.0184 |
| 2025 Mar | 0.00000812 | 5.31 | 0.00461 | 6.17 | 0.181 | 0.00294 | 4.16 | 0.00634 | 0.00899 | 0.000189 | 0.000804 | 0.000627 | 0.205 | 0.00000571 | 0.00109 | 0.00206 | 0.00309 | 0.0184 |
| 2025 Apr | 0.00000812 | 5.32 | 0.00462 | 6.17 | 0.181 | 0.00294 | 4.16 | 0.00626 | 0.009 | 0.000188 | 0.000804 | 0.000627 | 0.205 | 0.00000571 | 0.00109 | 0.00206 | 0.00309 | 0.0185 |
| 2025 May | 0.00000824 | 5.41 | 0.0046 | 6.19 | 0.182 | 0.00298 | 4.24 | 0.00597 | 0.00909 | 0.000188 | 0.000818 | 0.000612 | 0.211 | 0.00000601 | 0.0011 | 0.00221 | 0.00323 | 0.0185 |
| 2025 Jun | 0.000011 | 5.95 | 0.00363 | 8.81 | 0.292 | 0.00582 | 4.45 | 0.0386 | 0.00754 | 0.000137 | 0.00183 | 0.000714 | 0.159 | 0.0000125 | 0.00106 | 0.00222 | 0.00349 | 0.0114 |
| 2025 Jul | 0.00000968 | 5.35 | 0.00362 | 12 | 0.262 | 0.0084 | 4.58 | 0.0612 | 0.00732 | 0.000143 | 0.00133 | 0.000828 | 0.158 | 0.00000967 | 0.000989 | 0.00201 | 0.00319 | 0.0113 |
| 2025 Aug | 0.00000923 | 5.51 | 0.00406 | 10.4 | 0.227 | 0.00686 | 4.8 | 0.0443 | 0.00814 | 0.000157 | 0.00121 | 0.000794 | 0.178 | 0.00000835 | 0.00107 | 0.00206 | 0.00321 | 0.015 |
| 2025 Sep | 0.00000952 | 5.24 | 0.0037 | 10.5 | 0.222 | 0.00734 | 4.63 | 0.0495 | 0.00746 | 0.000137 | 0.00119 | 0.000781 | 0.155 | 0.00000892 | 0.00102 | 0.00182 | 0.00311 | 0.0135 |
| 2025 Oct | 0.00000908 | 5.21 | 0.00394 | 9 | 0.224 | 0.00582 | 4.22 | 0.0347 | 0.00787 | 0.000164 | 0.00102 | 0.000708 | 0.167 | 0.00000791 | 0.00103 | 0.00184 | 0.00309 | 0.0146 |
| 2025 Nov | 0.00000843 | 5.23 | 0.00431 | 7.47 | 0.207 | 0.00422 | 4.11 | 0.0191 | 0.00846 | 0.000181 | 0.000883 | 0.000663 | 0.188 | 0.0000065 | 0.00106 | 0.00195 | 0.00306 | 0.0165 |
| 2025 Dec | 0.00000821 | 5.28 | 0.00451 | 6.64 | 0.191 | 0.00339 | 4.14 | 0.0108 | 0.00881 | 0.000186 | 0.000829 | 0.000639 | 0.199 | 0.00000597 | 0.00108 | 0.00202 | 0.00308 | 0.0178 |
| 2026 Jan | 0.00000814 | 5.3 | 0.00458 | 6.32 | 0.184 | 0.00308 | 4.15 | 0.00772 | 0.00894 | 0.000188 | 0.000811 | 0.000631 | 0.203 | 0.00000579 | 0.00109 | 0.00205 | 0.00309 | 0.0182 |
| 2026 Feb | 0.00000813 | 5.29 | 0.0046 | 6.2 | 0.181 | 0.00297 | 4.15 | 0.00673 | 0.00896 | 0.000189 | 0.000803 | 0.000629 | 0.204 | 0.00000572 | 0.00109 | 0.00205 | 0.00309 | 0.0183 |
| 2026 Mar | 0.00000812 | 5.32 | 0.00461 | 6.19 | 0.181 | 0.00296 | 4.17 | 0.00635 | 0.00901 | 0.000188 | 0.000805 | 0.000626 | 0.205 | 0.00000573 | 0.00109 | 0.00207 | 0.0031 | 0.0185 |
| 2026 Apr | 0.00000813 | 5.32 | 0.00462 | 6.18 | 0.181 | 0.00294 | 4.17 | 0.00627 | 0.00901 | 0.000188 | 0.000804 | 0.000628 | 0.205 | 0.00000572 | 0.0011 | 0.00207 | 0.0031 | 0.0185 |
| 2026 May | 0.00000841 | 5.47 | 0.00457 | 6.21 | 0.19 | 0.00301 | 4.22 | 0.00655 | 0.00902 | 0.000186 | 0.000867 | 0.000615 | 0.209 | 0.00000635 | 0.00111 | 0.00221 | 0.00325 | 0.0182 |
| 2026 Jun | 0.0000107 | 5.67 | 0.00341 | 9.78 | 0.299 | 0.00649 | 4.47 | 0.0455 | 0.00712 | 0.000129 | 0.00143 | 0.000721 | 0.148 | 0.0000118 | 0.00101 | 0.00202 | 0.00338 | 0.0104 |
| 2026 Jul | 0.00000928 | 5.21 | 0.00363 | 12.3 | 0.237 | 0.00849 | 4.88 | 0.0622 | 0.00723 | 0.000147 | 0.00121 | 0.000853 | 0.164 | 0.00000873 | 0.000994 | 0.00209 | 0.00316 | 0.0117 |
| 2026 Aug | 0.00000921 | 5.14 | 0.00387 | 10.6 | 0.212 | 0.00705 | 4.71 | 0.0482 | 0.00752 | 0.00016 | 0.00109 | 0.000804 | 0.173 | 0.00000791 | 0.00103 | 0.0021 | 0.00316 | 0.013 |
| 2026 Sep | 0.00000895 | 5.07 | 0.00399 | 9.44 | 0.197 | 0.006 | 4.51 | 0.0379 | 0.00769 | 0.000166 | 0.001 | 0.000754 | 0.179 | 0.00000729 | 0.00104 | 0.00211 | 0.00313 | 0.0138 |
| 2026 Oct | 0.00000866 | 5.05 | 0.00419 | 7.91 | 0.189 | 0.00463 | 4.14 | 0.0244 | 0.00801 | 0.000178 | 0.000883 | 0.000684 | 0.189 | 0.00000658 | 0.00105 | 0.00214 | 0.00313 | 0.0147 |
| 2026 Nov | 0.00000849 | 4.99 | 0.00434 | 6.69 | 0.178 | 0.0035 | 3.94 | 0.014 | 0.00821 | 0.000189 | 0.00079 | 0.000639 | 0.197 | 0.00000604 | 0.00105 | 0.00216 | 0.00311 | 0.0153 |
| 2026 Dec | 0.00000841 | 4.98 | 0.00441 | 6.14 | 0.173 | 0.00299 | 3.88 | 0.00925 | 0.00831 | 0.000193 | 0.000754 | 0.000619 | 0.2 | 0.00000583 | 0.00106 | 0.00218 | 0.00311 | 0.0156 |
| 2027 Jan | 0.00000838 | 4.98 | 0.00444 | 5.94 | 0.172 | 0.0028 | 3.87 | 0.00739 | 0.00836 | 0.000195 | 0.000742 | 0.000611 | 0.201 | 0.00000576 | 0.00106 | 0.00218 | 0.00311 | 0.0158 |
| 2027 Feb | 0.00000835 | 5 | 0.00446 | 5.89 | 0.172 | 0.00274 | 3.89 | 0.00674 | 0.00842 | 0.000195 | 0.000741 | 0.00061 | 0.202 | 0.00000573 | 0.00106 | 0.00218 | 0.00311 | 0.016 |
| 2027 Mar | 0.00000834 | 5.01 | 0.00447 | 5.87 | 0.172 | 0.00273 | 3.9 | 0.00651 | 0.00844 | 0.000195 | 0.000742 | 0.00061 | 0.202 | 0.00000571 | 0.00106 | 0.00217 | 0.00311 | 0.0161 |
| 2027 Apr | 0.00000835 | 5.03 | 0.00448 | 5.88 | 0.172 | 0.00272 | 3.91 | 0.00644 | 0.00847 | 0.000195 | 0.000743 | 0.000611 | 0.203 | 0.00000571 | 0.00107 | 0.00217 | 0.00311 | 0.0162 |
| 2027 May | 0.00000926 | 5.64 | 0.00439 | 6.22 | 0.287 | 0.00287 | 3.91 | 0.00888 | 0.00837 | 0.000185 | 0.00092 | 0.00062 | 0.202 | 0.0000077 | 0.00112 | 0.00227 | 0.00335 | 0.0152 |
| 2027 Jun | 0.0000122 | 6.44 | 0.00307 | 10.9 | 0.429 | 0.00705 | 4.32 | 0.0552 | 0.0062 | 0.000109 | 0.00164 | 0.000758 | 0.127 | 0.0000143 | 0.00106 | 0.00184 | 0.00346 | 0.0069 |
| 2027 Jul | 0.0000101 | 5.42 | 0.00329 | 11.9 | 0.331 | 0.00812 | 4.24 | 0.0618 | 0.00649 | 0.000131 | 0.00128 | 0.000804 | 0.142 | 0.0000104 | 0.000971 | 0.00189 | 0.00316 | 0.00857 |
| 2027 Aug | 0.00000983 | 5.59 | 0.00382 | 10.1 | 0.29 | 0.00641 | 4.47 | 0.0438 | 0.00741 | 0.000154 | 0.00119 | 0.000775 | 0.168 | 0.00000923 | 0.00106 | 0.00204 | 0.00324 | 0.0121 |
| 2027 Sep | 0.00000996 | 5.31 | 0.00366 | 9.86 | 0.245 | 0.00649 | 4.54 | 0.0442 | 0.0072 | 0.000144 | 0.00118 | 0.000758 | 0.157 | 0.00000941 | 0.00103 | 0.00194 | 0.0032 | 0.0121 |
| 2027 Oct | 0.00000941 | 5.01 | 0.00373 | 8.91 | 0.228 | 0.00572 | 4.12 | 0.0363 | 0.00728 | 0.000155 | 0.00101 | 0.000704 | 0.16 | 0.00000827 | 0.001 | 0.0019 | 0.00309 | 0.0124 |
| 2027 Nov | 0.00000892 | 5.18 | 0.00412 | 7.47 | 0.237 | 0.00414 | 3.87 | 0.0213 | 0.0078 | 0.000178 | 0.000907 | 0.000663 | 0.18 | 0.00000709 | 0.00105 | 0.00201 | 0.00308 | 0.0139 |
| 2027 Dec | 0.00000861 | 5.1 | 0.00433 | 6.53 | 0.2 | 0.00329 | 3.87 | 0.0125 | 0.00818 | 0.000189 | 0.000816 | 0.000632 | 0.193 | 0.00000632 | 0.00106 | 0.0021 | 0.0031 | 0.0152 |
| 2028 Jan | 0.00000843 | 5.04 | 0.00442 | 6.1 | 0.182 | 0.00292 | 3.88 | 0.00862 | 0.00835 | 0.000193 | 0.000767 | 0.000618 | 0.199 | 0.00000592 | 0.00106 | 0.00214 | 0.0031 | 0.0158 |
| 2028 Feb | 0.00000837 | 5.02 | 0.00446 | 5.94 | 0.175 | 0.00278 | 3.89 | 0.0072 | 0.00841 | 0.000195 | 0.00075 | 0.000613 | 0.201 | 0.00000577 | 0.00106 | 0.00215 | 0.0031 | 0.016 |
| 2028 Mar | 0.00000835 | 5.02 | 0.00447 | 5.89 | 0.173 | 0.00274 | 3.9 | 0.00666 | 0.00844 | 0.000195 | 0.000745 | 0.000611 | 0.202 | 0.00000573 | 0.00106 | 0.00216 | 0.00311 | 0.0161 |
| 2028 Apr | 0.00000834 | 5.02 | 0.00447 | 5.88 | 0.172 | 0.00273 | 3.9 | 0.00648 | 0.00846 | 0.000195 | 0.000743 | 0.000611 | 0.202 | 0.00000571 | 0.00106 | 0.00217 | 0.00311 | 0.0162 |
| 2028 May | 0.00000843 | 5.11 | 0.00444 | 5.88 | 0.172 | 0.00276 | 3.97 | 0.00609 | 0.00853 | 0.000193 | 0.000755 | 0.000591 | 0.208 | 0.00000601 | 0.00107 | 0.00232 | 0.00324 | 0.0161 |
| 2028 Jun | 0.0000139 | 5.42 | 0.00332 | 7.93 | 0.238 | 0.00566 | 4.03 | 0.0377 | 0.0068 | 0.000129 | 0.00131 | 0.000631 | 0.136 | 0.0000146 | 0.0011 | 0.00204 | 0.0039 | 0.0085 |

**Appendix D4. IVR Attenuation Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jul | 0.0000363 | 14 | 0.00727 | 46.9 | 0.587 | 0.0373 | 10.7 | 0.312 | 0.0156 | 0.000266 | 0.00477 | 0.00294 | 0.268 | 0.0000403 | 0.00281 | 0.00488 | 0.00944 | 0.014 |
| 2028 Aug | 0.0000188 | 6.63 | 0.00228 | 40.7 | 0.211 | 0.0332 | 3.23 | 0.302 | 0.00504 | 0.0000602 | 0.00345 | 0.00243 | 0.0463 | 0.0000228 | 0.00137 | 0.00192 | 0.00401 | 0.00026 |
| 2028 Sep | 0.0000217 | 6.54 | 0.00236 | 32.3 | 0.17 | 0.0274 | 2.73 | 0.243 | 0.00506 | 0.0000639 | 0.00318 | 0.00195 | 0.0407 | 0.0000254 | 0.00145 | 0.00182 | 0.00453 | 1.16E-11 |
| 2028 Oct | 0.0000332 | 7.2 | 0.00309 | 6.24 | 0.11 | 0.00823 | 1.5 | 0.0556 | 0.00746 | 0.0000946 | 0.00259 | 0.000633 | 0.0403 | 0.000037 | 0.00189 | 0.00188 | 0.00682 | 9.85E-25 |
| 2028 Nov | 0.0000325 | 7.18 | 0.00305 | 8.13 | 0.117 | 0.00958 | 1.62 | 0.0695 | 0.00721 | 0.0000926 | 0.00264 | 0.000729 | 0.0405 | 0.0000363 | 0.00186 | 0.00188 | 0.00666 | 2.76E-25 |
| 2028 Dec | 0.0000325 | 7.18 | 0.00305 | 8.08 | 0.117 | 0.00955 | 1.61 | 0.0691 | 0.0072 | 0.0000927 | 0.00264 | 0.000727 | 0.0405 | 0.0000364 | 0.00186 | 0.00188 | 0.00667 | 2.74E-25 |
| 2029 Jan | 0.0000325 | 7.19 | 0.00305 | 8.05 | 0.117 | 0.00953 | 1.61 | 0.0689 | 0.0072 | 0.0000927 | 0.00264 | 0.000726 | 0.0405 | 0.0000364 | 0.00186 | 0.00188 | 0.00667 | 2.73E-25 |
| 2029 Feb | 0.0000325 | 7.19 | 0.00305 | 8.04 | 0.117 | 0.00952 | 1.61 | 0.0688 | 0.00719 | 0.0000928 | 0.00264 | 0.000725 | 0.0405 | 0.0000364 | 0.00186 | 0.00188 | 0.00668 | 2.72E-25 |
| 2029 Mar | 0.0000325 | 7.19 | 0.00305 | 8.03 | 0.117 | 0.00952 | 1.61 | 0.0688 | 0.00719 | 0.0000928 | 0.00264 | 0.000725 | 0.0405 | 0.0000364 | 0.00186 | 0.00188 | 0.00668 | 2.72E-25 |
| 2029 Apr | 0.0000326 | 7.2 | 0.00305 | 8.04 | 0.117 | 0.00953 | 1.61 | 0.0689 | 0.0072 | 0.0000929 | 0.00265 | 0.000725 | 0.0405 | 0.0000364 | 0.00186 | 0.00188 | 0.00669 | 2.72E-25 |
| 2029 May | 0.0000326 | 7.21 | 0.00305 | 8.02 | 0.119 | 0.00941 | 1.65 | 0.0686 | 0.00795 | 0.0000933 | 0.00264 | 0.000723 | 0.0409 | 0.0000365 | 0.00186 | 0.00188 | 0.00671 | 2.61E-25 |
| 2029 Jun | 0.0000345 | 8.73 | 0.00344 | 24.9 | 0.201 | 0.0225 | 2.95 | 0.195 | 0.00773 | 0.0000989 | 0.00368 | 0.00164 | 0.0516 | 0.0000398 | 0.00208 | 0.00231 | 0.00711 | 1.79E-25 |
| 2029 Jul | 0.0000279 | 7.09 | 0.00278 | 22.2 | 0.143 | 0.0205 | 2.37 | 0.172 | 0.00582 | 0.0000793 | 0.00304 | 0.00142 | 0.0418 | 0.0000317 | 0.00171 | 0.0019 | 0.00574 | |
| 2029 Aug | 0.0000281 | 7.04 | 0.00279 | 20.8 | 0.136 | 0.0194 | 2.32 | 0.161 | 0.00722 | 0.0000808 | 0.00297 | 0.00133 | 0.0417 | 0.000032 | 0.00171 | 0.00189 | 0.00584 | |
| 2029 Sep | 0.0000306 | 7.23 | 0.00296 | 14.1 | 0.157 | 0.0137 | 2.18 | 0.116 | 0.00605 | 0.0000859 | 0.00286 | 0.00102 | 0.0413 | 0.000035 | 0.00178 | 0.00187 | 0.00626 | |
| 2029 Oct | 0.0000309 | 6.97 | 0.00293 | 7.83 | 0.159 | 0.00802 | 1.99 | 0.0696 | 0.0111 | 0.0000935 | 0.00256 | 0.000697 | 0.0404 | 0.000036 | 0.00171 | 0.00178 | 0.0065 | |
| 2029 Nov | 0.0000299 | 6.84 | 0.00286 | 9.01 | 0.155 | 0.00892 | 2.02 | 0.0774 | 0.0115 | 0.0000927 | 0.00254 | 0.000746 | 0.04 | 0.000035 | 0.00167 | 0.00176 | 0.00634 | |
| 2029 Dec | 0.0000306 | 6.94 | 0.00291 | 8.28 | 0.158 | 0.00838 | 2 | 0.0727 | 0.011 | 0.0000935 | 0.00256 | 0.000717 | 0.0403 | 0.0000357 | 0.0017 | 0.00178 | 0.00645 | |
| 2030 Jan | 0.0000306 | 6.95 | 0.00291 | 8.23 | 0.158 | 0.00835 | 1.99 | 0.0723 | 0.011 | 0.0000936 | 0.00256 | 0.000715 | 0.0403 | 0.0000357 | 0.0017 | 0.00178 | 0.00645 | |
| 2030 Feb | 0.0000307 | 6.95 | 0.00292 | 8.2 | 0.158 | 0.00834 | 1.99 | 0.0721 | 0.0109 | 0.0000936 | 0.00256 | 0.000714 | 0.0403 | 0.0000358 | 0.0017 | 0.00178 | 0.00646 | |
| 2030 Mar | 0.0000307 | 6.96 | 0.00292 | 8.2 | 0.158 | 0.00834 | 1.99 | 0.0721 | 0.0109 | 0.0000937 | 0.00257 | 0.000714 | 0.0403 | 0.0000358 | 0.00171 | 0.00178 | 0.00647 | |
| 2030 Apr | 0.0000308 | 6.98 | 0.00293 | 8.22 | 0.158 | 0.00837 | 2 | 0.0722 | 0.011 | 0.000094 | 0.00257 | 0.000716 | 0.0405 | 0.0000359 | 0.00171 | 0.00179 | 0.00649 | |
| 2030 May | 0.0000306 | 6.95 | 0.00291 | 8.22 | 0.156 | 0.00824 | 2.03 | 0.0712 | 0.0132 | 0.000095 | 0.00254 | 0.000707 | 0.0412 | 0.0000359 | 0.00169 | 0.00179 | 0.00654 | |
| 2030 Jun | 0.0000254 | 6.96 | 0.00262 | 28.9 | 0.151 | 0.0257 | 2.8 | 0.221 | 0.00468 | 0.0000724 | 0.00319 | 0.00171 | 0.0418 | 0.0000291 | 0.00162 | 0.00187 | 0.00521 | |
| 2030 Jul | 0.0000272 | 6.98 | 0.00272 | 23.4 | 0.138 | 0.0216 | 2.5 | 0.181 | 0.00558 | 0.0000773 | 0.00303 | 0.00144 | 0.0412 | 0.0000309 | 0.00167 | 0.00186 | 0.0056 | |
| 2030 Aug | 0.0000235 | 6.68 | 0.00247 | 31.6 | 0.138 | 0.0281 | 2.92 | 0.24 | 0.00544 | 0.0000682 | 0.00316 | 0.0018 | 0.0408 | 0.0000271 | 0.00153 | 0.00181 | 0.00489 | |
| 2030 Sep | 0.0000209 | 6.39 | 0.00228 | 35.8 | 0.141 | 0.0312 | 3.14 | 0.27 | 0.0058 | 0.0000619 | 0.00318 | 0.00198 | 0.04 | 0.0000244 | 0.00141 | 0.00175 | 0.0044 | |
| 2030 Oct | 0.0000237 | 6.52 | 0.00245 | 28.1 | 0.13 | 0.0253 | 2.7 | 0.215 | 0.00581 | 0.0000695 | 0.003 | 0.00162 | 0.0396 | 0.0000273 | 0.00151 | 0.00176 | 0.00494 | |
| 2030 Nov | 0.0000241 | 6.6 | 0.00249 | 28 | 0.131 | 0.0252 | 2.69 | 0.214 | 0.0049 | 0.0000696 | 0.00303 | 0.00162 | 0.0397 | 0.0000277 | 0.00153 | 0.00177 | 0.00497 | |
| 2030 Dec | 0.0000242 | 6.6 | 0.00249 | 27.9 | 0.131 | 0.0252 | 2.69 | 0.214 | 0.0049 | 0.0000697 | 0.00303 | 0.00162 | 0.0397 | 0.0000277 | 0.00153 | 0.00177 | 0.00498 | |
| 2031 Jan | 0.0000242 | 6.6 | 0.00249 | 27.9 | 0.131 | 0.0251 | 2.69 | 0.213 | 0.0049 | 0.0000698 | 0.00303 | 0.00162 | 0.0397 | 0.0000277 | 0.00154 | 0.00177 | 0.00499 | |
| 2031 Feb | 0.0000242 | 6.61 | 0.00249 | 27.9 | 0.131 | 0.0251 | 2.68 | 0.213 | 0.0049 | 0.0000698 | 0.00303 | 0.00162 | 0.0397 | 0.0000277 | 0.00154 | 0.00177 | 0.00499 | |
| 2031 Mar | 0.0000242 | 6.61 | 0.00249 | 27.9 | 0.131 | 0.0251 | 2.68 | 0.213 | 0.00491 | 0.0000698 | 0.00303 | 0.00161 | 0.0397 | 0.0000277 | 0.00154 | 0.00177 | 0.00499 | |
| 2031 Apr | 0.0000245 | 6.66 | 0.00252 | 27.8 | 0.133 | 0.0251 | 2.69 | 0.213 | 0.00495 | 0.0000705 | 0.00305 | 0.00161 | 0.04 | 0.0000281 | 0.00155 | 0.00178 | 0.00504 | |
| 2031 May | 0.0000267 | 6.94 | 0.00269 | 24.4 | 0.139 | 0.0224 | 2.59 | 0.189 | 0.0054 | 0.0000763 | 0.00305 | 0.00147 | 0.0411 | 0.0000306 | 0.00164 | 0.00184 | 0.00548 | |
| 2031 Jun | 0.0000292 | 7.31 | 0.00288 | 22.2 | 0.132 | 0.021 | 2.48 | 0.173 | 0.00601 | 0.0000826 | 0.00309 | 0.00138 | 0.0429 | 0.000033 | 0.00177 | 0.00193 | 0.006 | |
| 2031 Jul | 0.0000203 | 5.36 | 0.00203 | 28.6 | 0.103 | 0.0252 | 2.48 | 0.209 | 0.00617 | 0.0000614 | 0.00246 | 0.0016 | 0.0347 | 0.0000187 | 0.00145 | 0.00169 | 0.00444 | |
| 2031 Aug | 0.0000163 | 4.72 | 0.00169 | 32.7 | 0.101 | 0.0282 | 2.57 | 0.238 | 0.00273 | 0.0000489 | 0.00236 | 0.00177 | 0.0313 | 0.0000135 | 0.00129 | 0.00155 | 0.00354 | |
| 2031 Sep | 0.0000196 | 4.39 | 0.0018 | 18.6 | 0.0681 | 0.0171 | 1.66 | 0.132 | 0.00352 | 0.0000575 | 0.00177 | 0.00109 | 0.0282 | 0.0000149 | 0.00143 | 0.00152 | 0.00426 | |
| 2031 Oct | 0.0000203 | 4.35 | 0.00182 | 15.8 | 0.0613 | 0.0148 | 1.49 | 0.11 | 0.003 | 0.000196 | 0.00166 | 0.000952 | 0.0282 | 0.0000151 | 0.00146 | 0.00151 | 0.00456 | |
| 2031 Nov | 0.0000203 | 4.36 | 0.00182 | 15.8 | 0.0627 | 0.0149 | 1.5 | 0.111 | 0.00293 | 0.000204 | 0.00167 | 0.000956 | 0.0283 | 0.0000151 | 0.00146 | 0.00151 | 0.00458 | |
| 2031 Dec | 0.0000203 | 4.36 | 0.00182 | 15.8 | 0.0625 | 0.0148 | 1.5 | 0.11 | 0.00293 | 0.000204 | 0.00166 | 0.000954 | 0.0283 | 0.0000151 | 0.00146 | 0.00151 | 0.00458 | |
| 2032 Jan | 0.0000204 | 4.36 | 0.00182 | 15.7 | 0.0625 | 0.0148 | 1.49 | 0.11 | 0.00293 | 0.000204 | 0.00166 | 0.000952 | 0.0283 | 0.0000151 | 0.00146 | 0.00151 | 0.00458 | |
| 2032 Feb | 0.0000204 | 4.36 | 0.00182 | 15.7 | 0.0624 | 0.0148 | 1.49 | 0.11 | 0.00293 | 0.000204 | 0.00166 | 0.000952 | 0.0283 | 0.0000151 | 0.00146 | 0.00151 | 0.00459 | |
| 2032 Mar | 0.0000204 | 4.36 | 0.00182 | 15.7 | 0.0624 | 0.0148 | 1.49 | 0.11 | 0.00293 | 0.000203 | 0.00166 | 0.000951 | 0.0283 | 0.0000151 | 0.00146 | 0.00151 | 0.00459 | |
| 2032 Apr | 0.0000204 | 4.37 | 0.00183 | 15.7 | 0.0625 | 0.0148 | 1.49 | 0.11 | 0.00293 | 0.000204 | 0.00167 | 0.000953 | 0.0283 | 0.0000151 | 0.00147 | 0.00151 | 0.00459 | |
| 2032 May | 0.0000215 | 4.49 | 0.0019 | 14.7 | 0.0693 | 0.0139 | 1.49 | 0.102 | 0.00331 | 0.000195 | 0.00166 | 0.000911 | 0.0286 | 0.0000158 | 0.00154 | 0.00156 | 0.0048 | |
| 2032 Jun | 0.0000187 | 4.77 | 0.0018 | 26.3 | 0.0939 | 0.023 | 2.21 | 0.189 | 0.00234 | 0.0000643 | 0.00214 | 0.00148 | 0.0315 | 0.0000146 | 0.00142 | 0.00159 | 0.00401 | |
| 2032 Jul | 0.0000202 | 4.5 | 0.00185 | 18.6 | 0.0723 | 0.0171 | 1.66 | 0.132 | 0.00331 | 0.0000591 | 0.00181 | 0.00111 | 0.0286 | 0.0000153 | 0.00147 | 0.00156 | 0.00438 | |
| 2032 Aug | 0.0000187 | 4.55 | 0.00179 | 23.2 | 0.0845 | 0.0206 | 1.93 | 0.166 | 0.00315 | 0.0000553 | 0.00199 | 0.00133 | 0.0295 | 0.0000146 | 0.0014 | 0.00156 | 0.00406 | |
| 2032 Sep | 0.0000176 | 4.54 | 0.00173 | 25.8 | 0.0925 | 0.0224 | 2.12 | 0.185 | 0.00434 | 0.0000532 | 0.00207 | 0.00146 | 0.03 | 0.0000142 | 0.00133 | 0.00154 | 0.00387 | |
| 2032 Oct | 0.0000196 | 4.46 | 0.0018 | 19 | 0.0812 | 0.0171 | 1.74 | 0.135 | 0.00449 | 0.000149 | 0.00181 | 0.00113 | 0.0291 | 0.000015 | 0.00143 | 0.00154 | 0.00439 | |
| 2032 Nov | 0.0000214 | 4.57 | 0.0019 | 15.9 | 0.0879 | 0.0146 | 1.63 | 0.112 | 0.00433 | 0.000157 | 0.00174 | 0.000993 | 0.0288 | 0.0000159 | 0.00154 | 0.00159 | 0.00473 | |
| 2032 Dec | 0.0000234 | 4.71 | 0.00201 | 13.2 | 0.0969 | 0.0123 | 1.54 | 0.0925 | 0.004 | 0.000143 | 0.00169 | 0.000875 | 0.0285 | 0.0000168 | 0.00167 | 0.00166 | 0.00505 | |
| 2033 Jan | 0.0000236 | 4.73 | 0.00203 | 12.8 | 0.0976 | 0.012 | 1.53 | 0.0902 | 0.00396 | 0.000142 | 0.00168 | 0.000861 | 0.0285 | 0.0000169 | 0.00168 | 0.00166 | 0.00509 | |
| 2033 Feb | 0.0000238 | 4.74 | 0.00204 | 12.6 | 0.0984 | 0.0118 | 1.52 | 0.0882 | 0.00392 | 0.00014 | 0.00167 | 0.000849 | 0.0284 | 0.000017 | 0.00169 | 0.00167 | 0.00512 | |
| 2033 Mar | 0.0000239 | 4.75 | 0.00204 | 12.5 | 0.0987 | 0.0117 | 1.51 | 0.0876 | 0.00392 | 0.00014 | 0.00167 | 0.000845 | 0.0285 | 0.000017 | 0.0017 | 0.00167 | 0.00513 | |
| 2033 Apr | 0.000024 | 4.77 | 0.00205 | 12.5 | 0.0993 | 0.0118 | 1.52 | 0.0881 | 0.00394 | 0.000141 | 0.00168 | 0.00085 | 0.0286 | 0.0000171 | 0.00171 | 0.00168 | 0.00516 | |
| 2033 May | 0.0000255 | 4.78 | 0.00213 | 8.82 | 0.0934 | 0.00893 | 1.31 | 0.0604 | 0.00338 | 0.000109 | 0.00155 | 0.000674 | 0.0279 | 0.0000178 | 0.00179 | 0.00171 | 0.0054 | |
| 2033 Jun | 0.0000214 | 4.97 | 0.00197 | 22.1 | 0.111 | 0.0195 | 2.07 | 0.159 | 0.00289 | 0.0000621 | 0.00206 | 0.00132 | 0.0313 | 0.000016 | 0.00159 | 0.00169 | 0.00453 | |
| 2033 Jul | 0.000023 | 4.94 | 0.00204 | 17.9 | 0.113 | 0.016 | 1.83 | 0.128 | 0.00346 | 0.0000647 | 0.00192 | 0.00112 | 0.0297 | 0.0000168 | 0.00168 | 0.00172 | 0.00484 | |
| 2033 Aug | 0.000023 | 4.89 | 0.00203 | 17 | 0.11 | 0.0153 | 1.76 | 0.121 | 0.00341 | 0.0000647 | 0.00188 | 0.00108 | 0.0293 | 0.0000168 | 0.00167 | 0.00171 | 0.00485 | |
| 2033 Sep | 0.0000224 | 4.58 | 0.00196 | 13.9 | 0.0871 | 0.013 | 1.47 | 0.0974 | 0.00353 | 0.0000636 | 0.00168 | 0.000908 | 0.0279 | 0.0000163 | 0.0016 | 0.00162 | 0.00477 | |
| 2033 Oct | 0.0000227 | 4.21 | 0.00191 | 6.75 | 0.0451 | 0.00769 | 0.907 | 0.0427 | 0.00252 | 0.000233 | 0.00131 | 0.000528 | 0.0264 | 0.0000161 | 0.00157 | 0.00151 | 0.00509 | |

**Appendix D5. GSP1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 3550 | 29.2 | 85.9 | 1.22 | 2310 | 0.552 | 172 | 0.000307 | 0.214 | 1.5 | 0.0952 | 0.822 | 0.000101 | 869 | 0.00166 | 0.0029 | 0.012 | 0.00882 | 0.057 |
| Operation (Jan., 2024 to Jun., 2028): Average | 4230 | 75.5 | 144 | 3.32 | 2760 | 0.679 | 229 | 0.000351 | 0.244 | 2.85 | 0.209 | 0.933 | 0.000121 | 1050 | 0.00185 | 0.00365 | 0.0134 | 0.00971 | 0.0673 |
| Operation (Jan., 2024 to Jun., 2028): Max | 4980 | 110 | 189 | 4.87 | 3240 | 0.808 | 279 | 0.000408 | 0.283 | 3.75 | 0.28 | 1.08 | 0.000144 | 1250 | 0.00212 | 0.00438 | 0.0155 | 0.0112 | 0.079 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 3550 | 29.2 | 85.9 | 1.22 | 2310 | 0.552 | 172 | 0.000308 | 0.214 | 1.5 | 0.0952 | 0.828 | 0.000101 | 869 | 0.00169 | 0.0029 | 0.0121 | 0.00885 | 0.057 |
| 2024 Feb | 3550 | 29.5 | 86.9 | 1.23 | 2310 | 0.556 | 174 | 0.000308 | 0.214 | 1.59 | 0.101 | 0.826 | 0.000101 | 871 | 0.00168 | 0.00293 | 0.0121 | 0.00884 | 0.0571 |
| 2024 Mar | 3550 | 29.8 | 87.9 | 1.23 | 2320 | 0.561 | 177 | 0.000307 | 0.215 | 1.67 | 0.107 | 0.824 | 0.000102 | 874 | 0.00167 | 0.00295 | 0.012 | 0.00883 | 0.0572 |
| 2024 Apr | 3560 | 30.1 | 88.9 | 1.24 | 2320 | 0.565 | 179 | 0.000307 | 0.215 | 1.76 | 0.114 | 0.822 | 0.000102 | 876 | 0.00166 | 0.00298 | 0.012 | 0.00882 | 0.0574 |
| 2024 May | 3590 | 30.5 | 90.1 | 1.25 | 2340 | 0.57 | 181 | 0.000309 | 0.216 | 1.81 | 0.118 | 0.827 | 0.000103 | 884 | 0.00167 | 0.00301 | 0.012 | 0.00885 | 0.0578 |
| 2024 Jun | 3670 | 30.9 | 91.5 | 1.28 | 2390 | 0.573 | 182 | 0.000315 | 0.219 | 1.76 | 0.117 | 0.846 | 0.000104 | 903 | 0.00172 | 0.00304 | 0.0123 | 0.00895 | 0.0587 |
| 2024 Jul | 3740 | 31.6 | 93.7 | 1.3 | 2440 | 0.585 | 186 | 0.000321 | 0.222 | 1.83 | 0.123 | 0.859 | 0.000106 | 920 | 0.00174 | 0.0031 | 0.0125 | 0.00908 | 0.0598 |
| 2024 Aug | 3790 | 32.2 | 95.6 | 1.32 | 2470 | 0.594 | 190 | 0.000325 | 0.225 | 1.91 | 0.128 | 0.87 | 0.000108 | 934 | 0.00176 | 0.00316 | 0.0127 | 0.00918 | 0.0606 |
| 2024 Sep | 3790 | 32.2 | 95.8 | 1.33 | 2470 | 0.593 | 190 | 0.000325 | 0.224 | 1.91 | 0.129 | 0.87 | 0.000108 | 935 | 0.00176 | 0.00315 | 0.0127 | 0.00914 | 0.0606 |
| 2024 Oct | 3810 | 32.5 | 96.8 | 1.33 | 2480 | 0.597 | 192 | 0.000325 | 0.225 | 1.96 | 0.134 | 0.871 | 0.000108 | 940 | 0.00176 | 0.00318 | 0.0127 | 0.00916 | 0.0608 |
| 2024 Nov | 3820 | 32.7 | 97.6 | 1.34 | 2490 | 0.6 | 194 | 0.000325 | 0.225 | 2.03 | 0.138 | 0.871 | 0.000109 | 942 | 0.00176 | 0.0032 | 0.0127 | 0.00915 | 0.0609 |
| 2024 Dec | 3820 | 32.9 | 98.4 | 1.35 | 2490 | 0.604 | 196 | 0.000325 | 0.225 | 2.1 | 0.143 | 0.869 | 0.000109 | 944 | 0.00175 | 0.00322 | 0.0126 | 0.00914 | 0.061 |
| 2025 Jan | 3820 | 35.5 | 101 | 1.46 | 2490 | 0.607 | 198 | 0.000324 | 0.225 | 2.18 | 0.15 | 0.866 | 0.000109 | 946 | 0.00174 | 0.00324 | 0.0126 | 0.00912 | 0.0611 |
| 2025 Feb | 3820 | 40.4 | 106 | 1.69 | 2490 | 0.611 | 201 | 0.000323 | 0.225 | 2.27 | 0.158 | 0.863 | 0.00011 | 948 | 0.00173 | 0.00326 | 0.0125 | 0.00909 | 0.0612 |
| 2025 Mar | 3830 | 45.2 | 111 | 1.91 | 2490 | 0.615 | 203 | 0.000322 | 0.225 | 2.35 | 0.166 | 0.859 | 0.00011 | 951 | 0.00172 | 0.00328 | 0.0124 | 0.00906 | 0.0613 |
| 2025 Apr | 3830 | 50 | 115 | 2.13 | 2500 | 0.619 | 205 | 0.000321 | 0.225 | 2.44 | 0.174 | 0.856 | 0.00011 | 953 | 0.0017 | 0.0033 | 0.0123 | 0.00903 | 0.0614 |
| 2025 May | 3850 | 55.1 | 121 | 2.36 | 2510 | 0.625 | 208 | 0.000322 | 0.225 | 2.54 | 0.183 | 0.856 | 0.000111 | 960 | 0.0017 | 0.00333 | 0.0123 | 0.00904 | 0.0618 |
| 2025 Jun | 3910 | 58 | 123 | 2.5 | 2550 | 0.624 | 208 | 0.000326 | 0.227 | 2.47 | 0.181 | 0.869 | 0.000112 | 972 | 0.00173 | 0.00334 | 0.0125 | 0.00909 | 0.0624 |
| 2025 Jul | 4020 | 62 | 129 | 2.69 | 2620 | 0.636 | 212 | 0.000335 | 0.231 | 2.49 | 0.185 | 0.893 | 0.000115 | 998 | 0.00178 | 0.00341 | 0.0129 | 0.00928 | 0.0638 |
| 2025 Aug | 4080 | 66.8 | 134 | 2.91 | 2660 | 0.647 | 216 | 0.00034 | 0.235 | 2.58 | 0.193 | 0.904 | 0.000117 | 1020 | 0.0018 | 0.00348 | 0.0131 | 0.00939 | 0.0649 |
| 2025 Sep | 4070 | 69 | 136 | 3.02 | 2650 | 0.641 | 214 | 0.000338 | 0.233 | 2.54 | 0.192 | 0.9 | 0.000116 | 1010 | 0.0018 | 0.00345 | 0.013 | 0.00931 | 0.0645 |
| 2025 Oct | 4080 | 72 | 138 | 3.16 | 2660 | 0.642 | 215 | 0.000338 | 0.232 | 2.57 | 0.196 | 0.9 | 0.000117 | 1020 | 0.0018 | 0.00346 | 0.013 | 0.00929 | 0.0646 |
| 2025 Nov | 4080 | 75.7 | 142 | 3.33 | 2660 | 0.645 | 217 | 0.000338 | 0.232 | 2.64 | 0.202 | 0.898 | 0.000117 | 1020 | 0.00179 | 0.00348 | 0.013 | 0.00928 | 0.0647 |
| 2025 Dec | 4090 | 79.4 | 146 | 3.5 | 2660 | 0.648 | 219 | 0.000337 | 0.232 | 2.71 | 0.208 | 0.895 | 0.000117 | 1020 | 0.00178 | 0.00349 | 0.0129 | 0.00925 | 0.0648 |
| 2026 Jan | 4090 | 82.6 | 149 | 3.65 | 2660 | 0.652 | 221 | 0.000336 | 0.232 | 2.79 | 0.214 | 0.893 | 0.000117 | 1020 | 0.00177 | 0.00351 | 0.0128 | 0.00923 | 0.0648 |
| 2026 Feb | 4090 | 84.9 | 151 | 3.76 | 2660 | 0.656 | 224 | 0.000336 | 0.233 | 2.89 | 0.22 | 0.891 | 0.000118 | 1020 | 0.00176 | 0.00354 | 0.0128 | 0.00922 | 0.0649 |
| 2026 Mar | 4090 | 87.3 | 153 | 3.87 | 2670 | 0.661 | 227 | 0.000335 | 0.233 | 2.98 | 0.226 | 0.889 | 0.000118 | 1020 | 0.00175 | 0.00357 | 0.0127 | 0.00921 | 0.065 |
| 2026 Apr | 4090 | 89.7 | 156 | 3.98 | 2670 | 0.667 | 230 | 0.000335 | 0.233 | 3.08 | 0.232 | 0.888 | 0.000118 | 1030 | 0.00174 | 0.0036 | 0.0127 | 0.00921 | 0.0651 |
| 2026 May | 4110 | 92.3 | 158 | 4.1 | 2680 | 0.674 | 233 | 0.000336 | 0.234 | 3.19 | 0.238 | 0.889 | 0.000119 | 1030 | 0.00174 | 0.00364 | 0.0127 | 0.00923 | 0.0654 |
| 2026 Jun | 4170 | 92 | 159 | 4.09 | 2720 | 0.678 | 234 | 0.000342 | 0.237 | 3.15 | 0.235 | 0.906 | 0.00012 | 1050 | 0.00178 | 0.00367 | 0.013 | 0.00935 | 0.0662 |
| 2026 Jul | 4280 | 94.4 | 163 | 4.2 | 2790 | 0.696 | 241 | 0.000351 | 0.244 | 3.23 | 0.242 | 0.93 | 0.000124 | 1080 | 0.00183 | 0.00377 | 0.0133 | 0.0096 | 0.068 |
| 2026 Aug | 4390 | 96.6 | 167 | 4.3 | 2860 | 0.713 | 246 | 0.000359 | 0.249 | 3.31 | 0.247 | 0.952 | 0.000127 | 1100 | 0.00187 | 0.00386 | 0.0136 | 0.00983 | 0.0696 |
| 2026 Sep | 4440 | 97.8 | 169 | 4.35 | 2900 | 0.722 | 249 | 0.000364 | 0.253 | 3.35 | 0.25 | 0.964 | 0.000128 | 1110 | 0.0019 | 0.00391 | 0.0138 | 0.00995 | 0.0705 |
| 2026 Oct | 4460 | 98.3 | 170 | 4.37 | 2910 | 0.725 | 250 | 0.000366 | 0.254 | 3.36 | 0.251 | 0.968 | 0.000129 | 1120 | 0.0019 | 0.00392 | 0.0139 | 0.01 | 0.0708 |
| 2026 Nov | 4460 | 98.3 | 170 | 4.37 | 2910 | 0.725 | 251 | 0.000366 | 0.254 | 3.37 | 0.252 | 0.969 | 0.000129 | 1120 | 0.00191 | 0.00393 | 0.0139 | 0.01 | 0.0708 |
| 2026 Dec | 4460 | 98.3 | 170 | 4.37 | 2910 | 0.725 | 251 | 0.000366 | 0.254 | 3.37 | 0.252 | 0.969 | 0.000129 | 1120 | 0.00191 | 0.00393 | 0.0139 | 0.01 | 0.0708 |
| 2027 Jan | 4460 | 98.3 | 170 | 4.37 | 2910 | 0.725 | 251 | 0.000366 | 0.254 | 3.37 | 0.252 | 0.969 | 0.000129 | 1120 | 0.00191 | 0.00393 | 0.0139 | 0.01 | 0.0708 |
| 2027 Feb | 4460 | 98.3 | 170 | 4.37 | 2910 | 0.725 | 251 | 0.000366 | 0.254 | 3.37 | 0.252 | 0.969 | 0.000129 | 1120 | 0.00191 | 0.00393 | 0.0139 | 0.01 | 0.0708 |
| 2027 Mar | 4460 | 98.3 | 170 | 4.37 | 2910 | 0.725 | 251 | 0.000366 | 0.254 | 3.37 | 0.252 | 0.969 | 0.000129 | 1120 | 0.00191 | 0.00393 | 0.0139 | 0.01 | 0.0709 |
| 2027 Apr | 4470 | 98.4 | 170 | 4.38 | 2910 | 0.726 | 251 | 0.000366 | 0.254 | 3.37 | 0.252 | 0.97 | 0.000129 | 1120 | 0.00191 | 0.00393 | 0.0139 | 0.01 | 0.0709 |
| 2027 May | 4490 | 98.9 | 171 | 4.4 | 2930 | 0.729 | 252 | 0.000368 | 0.255 | 3.39 | 0.253 | 0.975 | 0.000129 | 1130 | 0.00192 | 0.00395 | 0.0139 | 0.0101 | 0.0713 |
| 2027 Jun | 4560 | 101 | 174 | 4.47 | 2980 | 0.742 | 256 | 0.000374 | 0.26 | 3.44 | 0.257 | 0.991 | 0.000132 | 1150 | 0.00195 | 0.00402 | 0.0142 | 0.0102 | 0.0725 |
| 2027 Jul | 4690 | 103 | 178 | 4.59 | 3060 | 0.762 | 263 | 0.000384 | 0.267 | 3.54 | 0.264 | 1.02 | 0.000135 | 1180 | 0.002 | 0.00413 | 0.0146 | 0.0105 | 0.0744 |
| 2027 Aug | 4800 | 106 | 182 | 4.7 | 3130 | 0.78 | 269 | 0.000393 | 0.273 | 3.62 | 0.27 | 1.04 | 0.000138 | 1200 | 0.00205 | 0.00422 | 0.0149 | 0.0108 | 0.0762 |
| 2027 Sep | 4860 | 107 | 185 | 4.76 | 3170 | 0.79 | 273 | 0.000399 | 0.277 | 3.67 | 0.274 | 1.06 | 0.00014 | 1220 | 0.00208 | 0.00428 | 0.0151 | 0.0109 | 0.0772 |
| 2027 Oct | 4890 | 108 | 186 | 4.79 | 3190 | 0.794 | 274 | 0.0004 | 0.278 | 3.69 | 0.275 | 1.06 | 0.000141 | 1230 | 0.00209 | 0.0043 | 0.0152 | 0.011 | 0.0776 |
| 2027 Nov | 4890 | 108 | 186 | 4.79 | 3190 | 0.795 | 275 | 0.000401 | 0.278 | 3.69 | 0.276 | 1.06 | 0.000141 | 1230 | 0.00209 | 0.0043 | 0.0152 | 0.011 | 0.0776 |
| 2027 Dec | 4890 | 108 | 186 | 4.79 | 3190 | 0.795 | 275 | 0.000401 | 0.278 | 3.69 | 0.276 | 1.06 | 0.000141 | 1230 | 0.00209 | 0.0043 | 0.0152 | 0.011 | 0.0777 |
| 2028 Jan | 4890 | 108 | 186 | 4.79 | 3190 | 0.795 | 275 | 0.000401 | 0.278 | 3.69 | 0.276 | 1.06 | 0.000141 | 1230 | 0.00209 | 0.0043 | 0.0152 | 0.011 | 0.0777 |
| 2028 Feb | 4890 | 108 | 186 | 4.79 | 3190 | 0.795 | 275 | 0.000401 | 0.278 | 3.69 | 0.276 | 1.06 | 0.000141 | 1230 | 0.00209 | 0.0043 | 0.0152 | 0.011 | 0.0777 |
| 2028 Mar | 4890 | 108 | 186 | 4.79 | 3190 | 0.795 | 275 | 0.000401 | 0.278 | 3.69 | 0.276 | 1.06 | 0.000141 | 1230 | 0.00209 | 0.00431 | 0.0152 | 0.011 | 0.0777 |
| 2028 Apr | 4890 | 108 | 186 | 4.79 | 3190 | 0.795 | 275 | 0.000401 | 0.278 | 3.69 | 0.276 | 1.06 | 0.000141 | 1230 | 0.00209 | 0.00431 | 0.0152 | 0.011 | 0.0777 |
| 2028 May | 4910 | 108 | 187 | 4.81 | 3200 | 0.797 | 276 | 0.000402 | 0.279 | 3.7 | 0.277 | 1.07 | 0.000142 | 1230 | 0.0021 | 0.00432 | 0.0152 | 0.011 | 0.0779 |
| 2028 Jun | 4980 | 110 | 189 | 4.87 | 3240 | 0.808 | 279 | 0.000408 | 0.283 | 3.75 | 0.28 | 1.08 | 0.000144 | 1250 | 0.00212 | 0.00438 | 0.0155 | 0.0112 | 0.079 |

**Appendix D5. GSP1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.0000613 | 73.9 | 0.819 | 48.5 | 3.9 | 0.0155 | 55.3 | 0.257 | 0.0136 | 0.00176 | 0.0176 | 0.00314 | 1.12 | 0.000453 | 0.00266 | 0.00814 | 0.0473 | 0.00998 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.0000701 | 93.7 | 0.91 | 56.4 | 4.36 | 0.0188 | 108 | 0.289 | 0.0153 | 0.00199 | 0.0313 | 0.00511 | 3.19 | 0.000517 | 0.00442 | 0.0141 | 0.0533 | 0.0306 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.0000817 | 113 | 1.04 | 66 | 5.01 | 0.0223 | 142 | 0.333 | 0.0176 | 0.0023 | 0.0407 | 0.00651 | 4.41 | 0.0006 | 0.00568 | 0.0182 | 0.0615 | 0.0425 |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.0000613 | 73.9 | 0.83 | 48.5 | 3.95 | 0.0155 | 55.3 | 0.26 | 0.0137 | 0.00177 | 0.0176 | 0.00314 | 1.12 | 0.000455 | 0.00266 | 0.00814 | 0.0477 | 0.00998 |
| 2024 Feb | 0.0000614 | 74.6 | 0.826 | 48.5 | 3.93 | 0.0156 | 58 | 0.259 | 0.0137 | 0.00177 | 0.0185 | 0.00325 | 1.23 | 0.000454 | 0.00277 | 0.0085 | 0.0476 | 0.0111 |
| 2024 Mar | 0.0000615 | 75.2 | 0.822 | 48.6 | 3.92 | 0.0157 | 60.6 | 0.258 | 0.0137 | 0.00176 | 0.0193 | 0.00335 | 1.35 | 0.000454 | 0.00289 | 0.00885 | 0.0474 | 0.0122 |
| 2024 Apr | 0.0000616 | 75.9 | 0.819 | 48.6 | 3.9 | 0.0158 | 63.3 | 0.257 | 0.0136 | 0.00176 | 0.0202 | 0.00346 | 1.46 | 0.000453 | 0.003 | 0.00922 | 0.0473 | 0.0134 |
| 2024 May | 0.0000619 | 76.7 | 0.823 | 48.9 | 3.92 | 0.0159 | 65.4 | 0.258 | 0.0137 | 0.00177 | 0.0207 | 0.00354 | 1.54 | 0.000456 | 0.00307 | 0.00945 | 0.0476 | 0.0142 |
| 2024 Jun | 0.0000626 | 77.5 | 0.844 | 49.9 | 4.02 | 0.0161 | 65.5 | 0.265 | 0.014 | 0.00181 | 0.0202 | 0.00351 | 1.52 | 0.000466 | 0.00297 | 0.00924 | 0.0486 | 0.014 |
| 2024 Jul | 0.0000636 | 79.2 | 0.856 | 50.8 | 4.08 | 0.0164 | 68.2 | 0.269 | 0.0142 | 0.00184 | 0.021 | 0.00363 | 1.61 | 0.000473 | 0.00308 | 0.00958 | 0.0494 | 0.0149 |
| 2024 Aug | 0.0000644 | 80.6 | 0.866 | 51.5 | 4.13 | 0.0166 | 70.8 | 0.272 | 0.0144 | 0.00186 | 0.0217 | 0.00374 | 1.71 | 0.000479 | 0.00318 | 0.00991 | 0.05 | 0.0158 |
| 2024 Sep | 0.0000642 | 80.6 | 0.866 | 51.5 | 4.13 | 0.0166 | 71.4 | 0.272 | 0.0144 | 0.00186 | 0.0217 | 0.00374 | 1.73 | 0.000479 | 0.00316 | 0.0099 | 0.0499 | 0.0161 |
| 2024 Oct | 0.0000644 | 81.2 | 0.866 | 51.7 | 4.13 | 0.0167 | 73.3 | 0.272 | 0.0144 | 0.00186 | 0.0223 | 0.00382 | 1.81 | 0.00048 | 0.00324 | 0.0102 | 0.05 | 0.0169 |
| 2024 Nov | 0.0000646 | 81.8 | 0.864 | 51.7 | 4.12 | 0.0168 | 75.4 | 0.272 | 0.0144 | 0.00186 | 0.0229 | 0.0039 | 1.9 | 0.00048 | 0.00333 | 0.0104 | 0.0499 | 0.0177 |
| 2024 Dec | 0.0000646 | 82.3 | 0.861 | 51.7 | 4.11 | 0.0169 | 77.4 | 0.271 | 0.0143 | 0.00186 | 0.0236 | 0.00398 | 1.99 | 0.00048 | 0.00342 | 0.0107 | 0.0498 | 0.0186 |
| 2025 Jan | 0.0000646 | 82.8 | 0.856 | 51.7 | 4.09 | 0.0169 | 80.4 | 0.27 | 0.0143 | 0.00185 | 0.0244 | 0.00409 | 2.12 | 0.000478 | 0.00352 | 0.011 | 0.0497 | 0.0199 |
| 2025 Feb | 0.0000646 | 83.3 | 0.85 | 51.6 | 4.06 | 0.017 | 83.9 | 0.268 | 0.0142 | 0.00184 | 0.0253 | 0.00421 | 2.27 | 0.000477 | 0.00364 | 0.0114 | 0.0494 | 0.0215 |
| 2025 Mar | 0.0000646 | 83.9 | 0.844 | 51.5 | 4.04 | 0.0171 | 87.5 | 0.267 | 0.0141 | 0.00183 | 0.0261 | 0.00432 | 2.43 | 0.000475 | 0.00376 | 0.0118 | 0.0492 | 0.023 |
| 2025 Apr | 0.0000646 | 84.4 | 0.838 | 51.5 | 4.01 | 0.0171 | 91.1 | 0.265 | 0.0141 | 0.00182 | 0.027 | 0.00444 | 2.59 | 0.000474 | 0.00387 | 0.0122 | 0.049 | 0.0246 |
| 2025 May | 0.0000648 | 85.4 | 0.836 | 51.6 | 4 | 0.0173 | 95.1 | 0.265 | 0.0141 | 0.00182 | 0.028 | 0.00458 | 2.75 | 0.000474 | 0.00401 | 0.0126 | 0.049 | 0.0263 |
| 2025 Jun | 0.0000651 | 85.6 | 0.852 | 52.3 | 4.08 | 0.0173 | 94.5 | 0.27 | 0.0143 | 0.00185 | 0.0273 | 0.00452 | 2.71 | 0.000481 | 0.00389 | 0.0123 | 0.0497 | 0.0259 |
| 2025 Jul | 0.0000664 | 87.4 | 0.876 | 53.6 | 4.19 | 0.0177 | 96.7 | 0.277 | 0.0147 | 0.0019 | 0.0275 | 0.00459 | 2.77 | 0.000493 | 0.00391 | 0.0124 | 0.051 | 0.0264 |
| 2025 Aug | 0.0000674 | 89.1 | 0.887 | 54.4 | 4.24 | 0.018 | 101 | 0.28 | 0.0149 | 0.00193 | 0.0285 | 0.00473 | 2.91 | 0.0005 | 0.00403 | 0.0128 | 0.0517 | 0.0279 |
| 2025 Sep | 0.0000668 | 88.5 | 0.883 | 54.1 | 4.22 | 0.0178 | 100 | 0.279 | 0.0148 | 0.00192 | 0.0281 | 0.00469 | 2.91 | 0.000498 | 0.00397 | 0.0127 | 0.0514 | 0.0279 |
| 2025 Oct | 0.0000667 | 88.7 | 0.883 | 54.2 | 4.22 | 0.0179 | 102 | 0.279 | 0.0148 | 0.00192 | 0.0284 | 0.00473 | 2.97 | 0.000498 | 0.004 | 0.0128 | 0.0514 | 0.0285 |
| 2025 Nov | 0.0000668 | 89.2 | 0.879 | 54.1 | 4.21 | 0.0179 | 105 | 0.278 | 0.0148 | 0.00192 | 0.029 | 0.00482 | 3.09 | 0.000497 | 0.00409 | 0.0131 | 0.0513 | 0.0297 |
| 2025 Dec | 0.0000667 | 89.6 | 0.874 | 54.1 | 4.18 | 0.018 | 107 | 0.277 | 0.0147 | 0.00191 | 0.0297 | 0.00491 | 3.22 | 0.000496 | 0.00418 | 0.0134 | 0.0511 | 0.031 |
| 2026 Jan | 0.0000668 | 90.2 | 0.869 | 54.1 | 4.16 | 0.018 | 110 | 0.276 | 0.0146 | 0.0019 | 0.0306 | 0.00502 | 3.33 | 0.000494 | 0.00429 | 0.0137 | 0.0509 | 0.0321 |
| 2026 Feb | 0.000067 | 90.9 | 0.865 | 54.1 | 4.15 | 0.0181 | 113 | 0.275 | 0.0146 | 0.0019 | 0.0315 | 0.00513 | 3.44 | 0.000494 | 0.00442 | 0.0141 | 0.0508 | 0.0331 |
| 2026 Mar | 0.0000671 | 91.7 | 0.861 | 54.2 | 4.13 | 0.0183 | 115 | 0.274 | 0.0145 | 0.00189 | 0.0325 | 0.00524 | 3.54 | 0.000493 | 0.00455 | 0.0145 | 0.0507 | 0.0342 |
| 2026 Apr | 0.0000674 | 92.5 | 0.858 | 54.2 | 4.12 | 0.0184 | 117 | 0.273 | 0.0145 | 0.00189 | 0.0334 | 0.00536 | 3.65 | 0.000493 | 0.00468 | 0.015 | 0.0506 | 0.0352 |
| 2026 May | 0.0000678 | 93.5 | 0.857 | 54.5 | 4.12 | 0.0185 | 120 | 0.273 | 0.0145 | 0.00189 | 0.0345 | 0.00549 | 3.77 | 0.000494 | 0.00482 | 0.0154 | 0.0506 | 0.0363 |
| 2026 Jun | 0.0000686 | 94.4 | 0.876 | 55.4 | 4.2 | 0.0187 | 119 | 0.279 | 0.0148 | 0.00193 | 0.0341 | 0.00546 | 3.7 | 0.000503 | 0.00476 | 0.0152 | 0.0516 | 0.0357 |
| 2026 Jul | 0.0000704 | 96.9 | 0.899 | 56.9 | 4.32 | 0.0192 | 122 | 0.287 | 0.0152 | 0.00198 | 0.035 | 0.00561 | 3.8 | 0.000517 | 0.00489 | 0.0157 | 0.053 | 0.0366 |
| 2026 Aug | 0.0000721 | 99.2 | 0.92 | 58.2 | 4.42 | 0.0197 | 125 | 0.293 | 0.0155 | 0.00203 | 0.0359 | 0.00574 | 3.89 | 0.000529 | 0.00501 | 0.016 | 0.0542 | 0.0375 |
| 2026 Sep | 0.000073 | 100 | 0.932 | 58.9 | 4.48 | 0.0199 | 127 | 0.297 | 0.0157 | 0.00205 | 0.0363 | 0.00581 | 3.94 | 0.000536 | 0.00507 | 0.0162 | 0.0549 | 0.038 |
| 2026 Oct | 0.0000733 | 101 | 0.936 | 59.2 | 4.49 | 0.02 | 127 | 0.298 | 0.0158 | 0.00206 | 0.0365 | 0.00584 | 3.96 | 0.000538 | 0.00509 | 0.0163 | 0.0551 | 0.0381 |
| 2026 Nov | 0.0000733 | 101 | 0.937 | 59.2 | 4.5 | 0.02 | 128 | 0.298 | 0.0158 | 0.00206 | 0.0365 | 0.00584 | 3.96 | 0.000538 | 0.00509 | 0.0163 | 0.0552 | 0.0382 |
| 2026 Dec | 0.0000733 | 101 | 0.937 | 59.2 | 4.5 | 0.02 | 128 | 0.298 | 0.0158 | 0.00206 | 0.0365 | 0.00584 | 3.96 | 0.000538 | 0.00509 | 0.0163 | 0.0552 | 0.0382 |
| 2027 Jan | 0.0000733 | 101 | 0.937 | 59.2 | 4.5 | 0.02 | 128 | 0.298 | 0.0158 | 0.00206 | 0.0365 | 0.00584 | 3.96 | 0.000538 | 0.00509 | 0.0163 | 0.0552 | 0.0382 |
| 2027 Feb | 0.0000733 | 101 | 0.937 | 59.2 | 4.5 | 0.02 | 128 | 0.298 | 0.0158 | 0.00206 | 0.0365 | 0.00584 | 3.96 | 0.000538 | 0.00509 | 0.0163 | 0.0552 | 0.0382 |
| 2027 Mar | 0.0000733 | 101 | 0.937 | 59.2 | 4.5 | 0.02 | 128 | 0.298 | 0.0158 | 0.00206 | 0.0365 | 0.00584 | 3.96 | 0.000538 | 0.00509 | 0.0163 | 0.0552 | 0.0382 |
| 2027 Apr | 0.0000734 | 101 | 0.938 | 59.3 | 4.5 | 0.02 | 128 | 0.299 | 0.0158 | 0.00206 | 0.0365 | 0.00585 | 3.96 | 0.000539 | 0.0051 | 0.0163 | 0.0552 | 0.0382 |
| 2027 May | 0.0000737 | 102 | 0.942 | 59.6 | 4.52 | 0.0201 | 128 | 0.3 | 0.0159 | 0.00207 | 0.0367 | 0.00588 | 3.98 | 0.000541 | 0.00512 | 0.0164 | 0.0555 | 0.0384 |
| 2027 Jun | 0.000075 | 103 | 0.958 | 60.6 | 4.6 | 0.0205 | 130 | 0.305 | 0.0162 | 0.00211 | 0.0373 | 0.00598 | 4.05 | 0.000551 | 0.00521 | 0.0167 | 0.0564 | 0.039 |
| 2027 Jul | 0.000077 | 106 | 0.984 | 62.2 | 4.73 | 0.021 | 134 | 0.314 | 0.0166 | 0.00217 | 0.0384 | 0.00614 | 4.16 | 0.000566 | 0.00535 | 0.0171 | 0.058 | 0.0401 |
| 2027 Aug | 0.0000788 | 109 | 1.01 | 63.7 | 4.83 | 0.0215 | 137 | 0.321 | 0.017 | 0.00222 | 0.0392 | 0.00628 | 4.26 | 0.000579 | 0.00548 | 0.0175 | 0.0593 | 0.041 |
| 2027 Sep | 0.0000799 | 110 | 1.02 | 64.5 | 4.9 | 0.0218 | 139 | 0.325 | 0.0172 | 0.00225 | 0.0398 | 0.00637 | 4.31 | 0.000587 | 0.00555 | 0.0178 | 0.0601 | 0.0416 |
| 2027 Oct | 0.0000803 | 111 | 1.03 | 64.8 | 4.92 | 0.0219 | 140 | 0.327 | 0.0173 | 0.00226 | 0.04 | 0.0064 | 4.33 | 0.000589 | 0.00558 | 0.0179 | 0.0604 | 0.0418 |
| 2027 Nov | 0.0000804 | 111 | 1.03 | 64.9 | 4.93 | 0.0219 | 140 | 0.327 | 0.0173 | 0.00226 | 0.04 | 0.0064 | 4.34 | 0.00059 | 0.00558 | 0.0179 | 0.0605 | 0.0418 |
| 2027 Dec | 0.0000804 | 111 | 1.03 | 64.9 | 4.93 | 0.0219 | 140 | 0.327 | 0.0173 | 0.00226 | 0.04 | 0.0064 | 4.34 | 0.00059 | 0.00558 | 0.0179 | 0.0605 | 0.0418 |
| 2028 Jan | 0.0000804 | 111 | 1.03 | 64.9 | 4.93 | 0.0219 | 140 | 0.327 | 0.0173 | 0.00226 | 0.04 | 0.0064 | 4.34 | 0.00059 | 0.00558 | 0.0179 | 0.0605 | 0.0418 |
| 2028 Feb | 0.0000804 | 111 | 1.03 | 64.9 | 4.93 | 0.0219 | 140 | 0.327 | 0.0173 | 0.00226 | 0.04 | 0.0064 | 4.34 | 0.00059 | 0.00558 | 0.0179 | 0.0605 | 0.0418 |
| 2028 Mar | 0.0000804 | 111 | 1.03 | 64.9 | 4.93 | 0.0219 | 140 | 0.327 | 0.0173 | 0.00226 | 0.04 | 0.0064 | 4.34 | 0.00059 | 0.00558 | 0.0179 | 0.0605 | 0.0418 |
| 2028 Apr | 0.0000804 | 111 | 1.03 | 64.9 | 4.93 | 0.0219 | 140 | 0.327 | 0.0173 | 0.00226 | 0.04 | 0.00641 | 4.34 | 0.00059 | 0.00558 | 0.0179 | 0.0605 | 0.0419 |
| 2028 May | 0.0000806 | 111 | 1.03 | 65.1 | 4.95 | 0.022 | 140 | 0.328 | 0.0174 | 0.00227 | 0.0401 | 0.00642 | 4.35 | 0.000592 | 0.0056 | 0.0179 | 0.0607 | 0.042 |
| 2028 Jun | 0.0000817 | 113 | 1.04 | 66 | 5.01 | 0.0223 | 142 | 0.333 | 0.0176 | 0.0023 | 0.0407 | 0.00651 | 4.41 | 0.0006 | 0.00568 | 0.0182 | 0.0615 | 0.0425 |

**Appendix D6. WT Pit Pushback Sump**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 1530 | 0.527 | 0.941 | 0.0802 | 41.6 | 0.329 | 1040 | 0.00000654 | 0.0218 | 1.44 | 0.00679 | 0.101 | 0.00000449 | 332 | 0.000318 | 0.000371 | 0.0000432 | 0.0155 | 0.00547 |
| Operation (Jan., 2024 to Jun., 2028): Average | 1620 | 12 | 21.5 | 1.83 | 43.4 | 0.339 | 1100 | 0.00000676 | 0.0229 | 1.51 | 0.00706 | 0.11 | 0.0000047 | 351 | 0.000334 | 0.000383 | 0.0000447 | 0.016 | 0.00571 |
| Operation (Jan., 2024 to Jun., 2028): Max | 1920 | 14.3 | 25.5 | 2.17 | 50.3 | 0.396 | 1300 | 0.00000786 | 0.0264 | 1.74 | 0.00828 | 0.128 | 0.00000543 | 414 | 0.000391 | 0.000447 | 0.0000518 | 0.0186 | 0.00661 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 1530 | 12 | 21.4 | 1.82 | 44.5 | 0.333 | 1040 | 0.00000676 | 0.0237 | 1.58 | 0.0069 | 0.101 | 0.00000481 | 332 | 0.000318 | 0.000373 | 0.0000432 | 0.0156 | 0.00577 |
| 2024 Feb | 1530 | 12 | 21.4 | 1.82 | 44.5 | 0.333 | 1040 | 0.00000676 | 0.0237 | 1.58 | 0.0069 | 0.101 | 0.00000481 | 332 | 0.000318 | 0.000373 | 0.0000432 | 0.0156 | 0.00577 |
| 2024 Mar | 1530 | 12 | 21.4 | 1.82 | 44.5 | 0.333 | 1040 | 0.00000676 | 0.0237 | 1.58 | 0.0069 | 0.101 | 0.00000481 | 332 | 0.000318 | 0.000373 | 0.0000432 | 0.0156 | 0.00577 |
| 2024 Apr | 1530 | 12 | 21.4 | 1.82 | 44.5 | 0.333 | 1040 | 0.00000676 | 0.0237 | 1.58 | 0.0069 | 0.101 | 0.00000481 | 332 | 0.000318 | 0.000373 | 0.0000432 | 0.0156 | 0.00577 |
| 2024 May | 1540 | 12 | 21.4 | 1.82 | 43.9 | 0.333 | 1040 | 0.00000671 | 0.0235 | 1.55 | 0.00686 | 0.103 | 0.00000477 | 333 | 0.000322 | 0.000373 | 0.0000434 | 0.0157 | 0.00574 |
| 2024 Jun | 1660 | 12.8 | 22.9 | 1.95 | 45.9 | 0.356 | 1120 | 0.00000708 | 0.0247 | 1.59 | 0.00728 | 0.112 | 0.00000504 | 358 | 0.000351 | 0.0004 | 0.0000469 | 0.0169 | 0.00609 |
| 2024 Jul | 1700 | 13.1 | 23.4 | 1.99 | 47 | 0.364 | 1150 | 0.00000725 | 0.0253 | 1.63 | 0.00745 | 0.115 | 0.00000515 | 367 | 0.000359 | 0.00041 | 0.000048 | 0.0173 | 0.00623 |
| 2024 Aug | 1660 | 12.8 | 22.8 | 1.95 | 45.9 | 0.355 | 1120 | 0.00000707 | 0.0247 | 1.59 | 0.00727 | 0.112 | 0.00000503 | 358 | 0.00035 | 0.0004 | 0.0000468 | 0.0169 | 0.00608 |
| 2024 Sep | 1600 | 12.3 | 22.1 | 1.88 | 44.3 | 0.343 | 1080 | 0.00000683 | 0.0239 | 1.54 | 0.00702 | 0.108 | 0.00000486 | 346 | 0.000338 | 0.000386 | 0.0000452 | 0.0163 | 0.00587 |
| 2024 Oct | 1610 | 12.4 | 22.2 | 1.89 | 44.6 | 0.346 | 1090 | 0.00000688 | 0.024 | 1.55 | 0.00707 | 0.109 | 0.00000489 | 348 | 0.000341 | 0.000389 | 0.0000455 | 0.0164 | 0.00591 |
| 2024 Nov | 1550 | 11.9 | 21.3 | 1.82 | 42.8 | 0.332 | 1050 | 0.0000066 | 0.0231 | 1.49 | 0.00679 | 0.105 | 0.00000469 | 334 | 0.000327 | 0.000373 | 0.0000437 | 0.0157 | 0.00567 |
| 2024 Dec | 1550 | 11.9 | 21.3 | 1.82 | 42.8 | 0.332 | 1050 | 0.0000066 | 0.0231 | 1.49 | 0.00679 | 0.105 | 0.00000469 | 334 | 0.000327 | 0.000373 | 0.0000437 | 0.0157 | 0.00567 |
| 2025 Jan | 1550 | 11.9 | 21.3 | 1.82 | 42.8 | 0.332 | 1050 | 0.0000066 | 0.0231 | 1.49 | 0.00679 | 0.105 | 0.00000469 | 334 | 0.000327 | 0.000373 | 0.0000437 | 0.0157 | 0.00567 |
| 2025 Feb | 1550 | 11.9 | 21.3 | 1.82 | 42.8 | 0.332 | 1050 | 0.0000066 | 0.0231 | 1.49 | 0.00679 | 0.105 | 0.00000469 | 334 | 0.000327 | 0.000373 | 0.0000437 | 0.0157 | 0.00567 |
| 2025 Mar | 1550 | 11.9 | 21.3 | 1.82 | 42.8 | 0.332 | 1050 | 0.0000066 | 0.0231 | 1.49 | 0.00679 | 0.105 | 0.00000469 | 334 | 0.000327 | 0.000373 | 0.0000437 | 0.0157 | 0.00567 |
| 2025 Apr | 1550 | 11.9 | 21.3 | 1.82 | 42.8 | 0.332 | 1050 | 0.0000066 | 0.0231 | 1.49 | 0.00679 | 0.105 | 0.00000469 | 334 | 0.000327 | 0.000373 | 0.0000437 | 0.0157 | 0.00567 |
| 2025 May | 1550 | 11.9 | 21.3 | 1.82 | 42.8 | 0.332 | 1050 | 0.0000066 | 0.0231 | 1.49 | 0.00679 | 0.105 | 0.00000469 | 334 | 0.000327 | 0.000373 | 0.0000437 | 0.0157 | 0.00567 |
| 2025 Jun | 1640 | 12.3 | 22 | 1.87 | 43.5 | 0.342 | 1120 | 0.00000678 | 0.023 | 1.51 | 0.00712 | 0.11 | 0.00000471 | 355 | 0.000338 | 0.000386 | 0.0000448 | 0.0161 | 0.00573 |
| 2025 Jul | 1920 | 14.3 | 25.5 | 2.17 | 50.3 | 0.396 | 1300 | 0.00000786 | 0.0264 | 1.74 | 0.00828 | 0.128 | 0.00000543 | 414 | 0.000391 | 0.000447 | 0.0000518 | 0.0186 | 0.00661 |
| 2025 Aug | 1730 | 12.9 | 23.1 | 1.96 | 45.5 | 0.358 | 1180 | 0.0000071 | 0.0239 | 1.57 | 0.00749 | 0.116 | 0.00000492 | 374 | 0.000354 | 0.000405 | 0.0000469 | 0.0168 | 0.00598 |
| 2025 Sep | 1630 | 12.1 | 21.6 | 1.84 | 42.7 | 0.336 | 1110 | 0.00000667 | 0.0225 | 1.48 | 0.00703 | 0.109 | 0.00000462 | 352 | 0.000332 | 0.00038 | 0.000044 | 0.0158 | 0.00562 |
| 2025 Oct | 1610 | 12 | 21.4 | 1.83 | 42.3 | 0.333 | 1100 | 0.00000661 | 0.0222 | 1.46 | 0.00696 | 0.108 | 0.00000457 | 348 | 0.000329 | 0.000376 | 0.0000436 | 0.0156 | 0.00557 |
| 2025 Nov | 1600 | 11.9 | 21.3 | 1.81 | 42 | 0.331 | 1090 | 0.00000657 | 0.0221 | 1.45 | 0.00692 | 0.107 | 0.00000454 | 346 | 0.000327 | 0.000374 | 0.0000433 | 0.0155 | 0.00553 |
| 2025 Dec | 1600 | 11.9 | 21.3 | 1.81 | 42 | 0.331 | 1090 | 0.00000657 | 0.0221 | 1.45 | 0.00692 | 0.107 | 0.00000454 | 346 | 0.000327 | 0.000374 | 0.0000433 | 0.0155 | 0.00553 |
| 2026 Jan | 1600 | 11.9 | 21.3 | 1.81 | 42 | 0.331 | 1090 | 0.00000657 | 0.0221 | 1.45 | 0.00692 | 0.107 | 0.00000454 | 346 | 0.000327 | 0.000374 | 0.0000433 | 0.0155 | 0.00553 |
| 2026 Feb | 1600 | 11.9 | 21.3 | 1.81 | 42 | 0.331 | 1090 | 0.00000657 | 0.0221 | 1.45 | 0.00692 | 0.107 | 0.00000454 | 346 | 0.000327 | 0.000374 | 0.0000433 | 0.0155 | 0.00553 |
| 2026 Mar | 1600 | 11.9 | 21.3 | 1.81 | 42 | 0.331 | 1090 | 0.00000657 | 0.0221 | 1.45 | 0.00692 | 0.107 | 0.00000454 | 346 | 0.000327 | 0.000374 | 0.0000433 | 0.0155 | 0.00553 |
| 2026 Apr | 1600 | 11.9 | 21.3 | 1.81 | 42 | 0.331 | 1090 | 0.00000657 | 0.0221 | 1.45 | 0.00692 | 0.107 | 0.00000454 | 346 | 0.000327 | 0.000374 | 0.0000433 | 0.0155 | 0.00553 |
| 2026 May | 1600 | 11.9 | 21.3 | 1.81 | 42 | 0.331 | 1090 | 0.00000657 | 0.0221 | 1.45 | 0.00692 | 0.107 | 0.00000454 | 346 | 0.000327 | 0.000374 | 0.0000433 | 0.0155 | 0.00553 |
| 2026 Jun | 1710 | 12.7 | 22.7 | 1.93 | 44.5 | 0.352 | 1160 | 0.000007 | 0.0233 | 1.54 | 0.00737 | 0.117 | 0.0000048 | 368 | 0.000347 | 0.000397 | 0.0000466 | 0.0166 | 0.00585 |
| 2026 Jul | 1740 | 13 | 23.2 | 1.97 | 45.4 | 0.359 | 1180 | 0.00000713 | 0.0238 | 1.58 | 0.00752 | 0.119 | 0.0000049 | 376 | 0.000354 | 0.000405 | 0.0000475 | 0.0169 | 0.00597 |
| 2026 Aug | 1720 | 12.8 | 22.9 | 1.95 | 44.9 | 0.355 | 1170 | 0.00000706 | 0.0235 | 1.56 | 0.00744 | 0.118 | 0.00000484 | 371 | 0.00035 | 0.000401 | 0.000047 | 0.0167 | 0.00591 |
| 2026 Sep | 1650 | 12.3 | 22 | 1.87 | 43.1 | 0.341 | 1120 | 0.00000677 | 0.0225 | 1.49 | 0.00713 | 0.113 | 0.00000464 | 356 | 0.000335 | 0.000384 | 0.000045 | 0.016 | 0.00566 |
| 2026 Oct | 1640 | 12.2 | 21.8 | 1.86 | 42.8 | 0.338 | 1110 | 0.00000672 | 0.0224 | 1.48 | 0.00708 | 0.112 | 0.00000461 | 354 | 0.000333 | 0.000382 | 0.0000447 | 0.0159 | 0.00562 |
| 2026 Nov | 1640 | 12.2 | 21.8 | 1.86 | 42.8 | 0.338 | 1110 | 0.00000672 | 0.0224 | 1.48 | 0.00708 | 0.112 | 0.00000461 | 354 | 0.000333 | 0.000382 | 0.0000447 | 0.0159 | 0.00562 |
| 2026 Dec | 1640 | 12.2 | 21.8 | 1.86 | 42.8 | 0.338 | 1110 | 0.00000672 | 0.0224 | 1.48 | 0.00708 | 0.112 | 0.00000461 | 354 | 0.000333 | 0.000382 | 0.0000447 | 0.0159 | 0.00562 |
| 2027 Jan | 1640 | 12.2 | 21.8 | 1.86 | 42.8 | 0.338 | 1110 | 0.00000672 | 0.0224 | 1.48 | 0.00708 | 0.112 | 0.00000461 | 354 | 0.000333 | 0.000382 | 0.0000447 | 0.0159 | 0.00562 |
| 2027 Feb | 1640 | 12.2 | 21.8 | 1.86 | 42.8 | 0.338 | 1110 | 0.00000672 | 0.0224 | 1.48 | 0.00708 | 0.112 | 0.00000461 | 354 | 0.000333 | 0.000382 | 0.0000447 | 0.0159 | 0.00562 |
| 2027 Mar | 1640 | 12.2 | 21.8 | 1.86 | 42.8 | 0.338 | 1110 | 0.00000672 | 0.0224 | 1.48 | 0.00708 | 0.112 | 0.00000461 | 354 | 0.000333 | 0.000382 | 0.0000447 | 0.0159 | 0.00562 |
| 2027 Apr | 1640 | 12.2 | 21.8 | 1.86 | 42.8 | 0.338 | 1110 | 0.00000672 | 0.0224 | 1.48 | 0.00708 | 0.112 | 0.00000461 | 354 | 0.000333 | 0.000382 | 0.0000447 | 0.0159 | 0.00562 |
| 2027 May | 1640 | 12.2 | 21.8 | 1.86 | 42.7 | 0.338 | 1110 | 0.00000671 | 0.0224 | 1.48 | 0.00707 | 0.112 | 0.00000461 | 353 | 0.000333 | 0.000381 | 0.0000447 | 0.0159 | 0.00562 |
| 2027 Jun | 1710 | 12.7 | 22.8 | 1.94 | 44.7 | 0.353 | 1160 | 0.00000701 | 0.0234 | 1.55 | 0.00739 | 0.117 | 0.00000481 | 369 | 0.000348 | 0.000398 | 0.0000467 | 0.0166 | 0.00587 |
| 2027 Jul | 1790 | 13.4 | 23.9 | 2.04 | 46.9 | 0.37 | 1220 | 0.00000736 | 0.0245 | 1.63 | 0.00775 | 0.123 | 0.00000505 | 387 | 0.000365 | 0.000418 | 0.000049 | 0.0174 | 0.00616 |
| 2027 Aug | 1730 | 12.9 | 23 | 1.96 | 45.2 | 0.357 | 1170 | 0.00000709 | 0.0236 | 1.57 | 0.00748 | 0.118 | 0.00000487 | 373 | 0.000352 | 0.000403 | 0.0000472 | 0.0168 | 0.00594 |
| 2027 Sep | 1620 | 12.1 | 21.6 | 1.84 | 42.3 | 0.334 | 1100 | 0.00000664 | 0.0221 | 1.47 | 0.007 | 0.111 | 0.00000456 | 350 | 0.000329 | 0.000377 | 0.0000442 | 0.0157 | 0.00556 |
| 2027 Oct | 1600 | 11.9 | 21.3 | 1.81 | 41.7 | 0.33 | 1080 | 0.00000655 | 0.0218 | 1.45 | 0.0069 | 0.109 | 0.00000449 | 345 | 0.000325 | 0.000372 | 0.0000436 | 0.0155 | 0.00548 |
| 2027 Nov | 1590 | 11.9 | 21.2 | 1.81 | 41.6 | 0.329 | 1080 | 0.00000654 | 0.0218 | 1.44 | 0.00689 | 0.109 | 0.00000449 | 344 | 0.000324 | 0.000371 | 0.0000435 | 0.0155 | 0.00547 |
| 2027 Dec | 1590 | 11.9 | 21.2 | 1.81 | 41.6 | 0.329 | 1080 | 0.00000654 | 0.0218 | 1.44 | 0.00689 | 0.109 | 0.00000449 | 344 | 0.000324 | 0.000371 | 0.0000435 | 0.0155 | 0.00547 |
| 2028 Jan | 1590 | 11.9 | 21.2 | 1.81 | 41.6 | 0.329 | 1080 | 0.00000654 | 0.0218 | 1.44 | 0.00689 | 0.109 | 0.00000449 | 344 | 0.000324 | 0.000371 | 0.0000435 | 0.0155 | 0.00547 |
| 2028 Feb | 1590 | 11.9 | 21.2 | 1.81 | 41.6 | 0.329 | 1080 | 0.00000654 | 0.0218 | 1.44 | 0.00689 | 0.109 | 0.00000449 | 344 | 0.000324 | 0.000371 | 0.0000435 | 0.0155 | 0.00547 |
| 2028 Mar | 1590 | 11.9 | 21.2 | 1.81 | 41.6 | 0.329 | 1080 | 0.00000654 | 0.0218 | 1.44 | 0.00689 | 0.109 | 0.00000449 | 344 | 0.000324 | 0.000371 | 0.0000435 | 0.0155 | 0.00547 |
| 2028 Apr | 1590 | 11.9 | 21.2 | 1.81 | 41.6 | 0.329 | 1080 | 0.00000654 | 0.0218 | 1.44 | 0.00689 | 0.109 | 0.00000449 | 344 | 0.000324 | 0.000371 | 0.0000435 | 0.0155 | 0.00547 |
| 2028 May | 1590 | 11.9 | 21.2 | 1.81 | 41.6 | 0.329 | 1080 | 0.00000654 | 0.0218 | 1.44 | 0.00689 | 0.109 | 0.00000449 | 344 | 0.000324 | 0.000371 | 0.0000435 | 0.0155 | 0.00547 |
| 2028 Jun | 1600 | 0.527 | 0.941 | 0.0802 | 42.8 | 0.338 | 1110 | 0.00000672 | 0.0224 | 1.48 | 0.00708 | 0.112 | 0.00000461 | 354 | 0.000333 | 0.000382 | 0.0000447 | 0.0159 | 0.00562 |

**Appendix D6. WT Pit Pushback Sump**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000641 | 5.09 | 0.00121 | 75 | 0.0789 | 0.0681 | 6.25 | 0.589 | 0.00121 | 0.0000217 | 0.00391 | 0.00313 | 0.0352 | 0.00000851 | 0.000804 | 0.00132 | 0.00145 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000671 | 5.35 | 0.00125 | 79.7 | 0.0834 | 0.0703 | 6.51 | 0.61 | 0.00129 | 0.0000223 | 0.00412 | 0.0035 | 0.0373 | 0.00000882 | 0.000855 | 0.00139 | 0.00151 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000776 | 6.28 | 0.00146 | 94.3 | 0.0981 | 0.0818 | 7.54 | 0.708 | 0.00149 | 0.0000259 | 0.00473 | 0.00409 | 0.0439 | 0.0000103 | 0.001 | 0.00161 | 0.00175 |
| | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000687 | 5.14 | 0.00121 | 75 | 0.0789 | 0.0691 | 6.67 | 0.633 | 0.00121 | 0.0000217 | 0.00462 | 0.00313 | 0.0352 | 0.00000851 | 0.000804 | 0.00132 | 0.00154 |
| 2024 Feb | 0.00000687 | 5.14 | 0.00121 | 75 | 0.0789 | 0.0691 | 6.67 | 0.633 | 0.00121 | 0.0000217 | 0.00462 | 0.00313 | 0.0352 | 0.00000851 | 0.000804 | 0.00132 | 0.00154 |
| 2024 Mar | 0.00000687 | 5.14 | 0.00121 | 75 | 0.0789 | 0.0691 | 6.67 | 0.633 | 0.00121 | 0.0000217 | 0.00462 | 0.00313 | 0.0352 | 0.00000851 | 0.000804 | 0.00132 | 0.00154 |
| 2024 Apr | 0.00000687 | 5.14 | 0.00121 | 75 | 0.0789 | 0.0691 | 6.67 | 0.633 | 0.00121 | 0.0000217 | 0.00462 | 0.00313 | 0.0352 | 0.00000851 | 0.000804 | 0.00132 | 0.00154 |
| 2024 May | 0.00000681 | 5.13 | 0.00121 | 75.3 | 0.0798 | 0.0691 | 6.58 | 0.617 | 0.00122 | 0.0000218 | 0.00442 | 0.0032 | 0.0353 | 0.00000858 | 0.000814 | 0.00133 | 0.00153 |
| 2024 Jun | 0.00000719 | 5.46 | 0.00131 | 81.3 | 0.0871 | 0.0741 | 6.89 | 0.632 | 0.00132 | 0.0000235 | 0.00436 | 0.00356 | 0.0379 | 0.00000932 | 0.00089 | 0.00145 | 0.00162 |
| 2024 Jul | 0.00000736 | 5.59 | 0.00134 | 83.2 | 0.0891 | 0.0759 | 7.05 | 0.647 | 0.00135 | 0.0000241 | 0.00447 | 0.00364 | 0.0388 | 0.00000953 | 0.000911 | 0.00148 | 0.00166 |
| 2024 Aug | 0.00000718 | 5.46 | 0.0013 | 81.2 | 0.087 | 0.074 | 6.88 | 0.631 | 0.00132 | 0.0000235 | 0.00436 | 0.00355 | 0.0379 | 0.00000931 | 0.000889 | 0.00144 | 0.00162 |
| 2024 Sep | 0.00000693 | 5.27 | 0.00126 | 78.4 | 0.084 | 0.0715 | 6.64 | 0.609 | 0.00127 | 0.0000227 | 0.00421 | 0.00343 | 0.0366 | 0.00000898 | 0.000858 | 0.00139 | 0.00156 |
| 2024 Oct | 0.00000699 | 5.31 | 0.00127 | 79 | 0.0846 | 0.072 | 6.7 | 0.614 | 0.00128 | 0.0000229 | 0.00424 | 0.00346 | 0.0369 | 0.00000905 | 0.000865 | 0.00141 | 0.00157 |
| 2024 Nov | 0.0000067 | 5.09 | 0.00122 | 75.8 | 0.0812 | 0.0691 | 6.42 | 0.589 | 0.00123 | 0.0000219 | 0.00407 | 0.00332 | 0.0354 | 0.00000868 | 0.00083 | 0.00135 | 0.00151 |
| 2024 Dec | 0.0000067 | 5.09 | 0.00122 | 75.8 | 0.0812 | 0.0691 | 6.42 | 0.589 | 0.00123 | 0.0000219 | 0.00407 | 0.00332 | 0.0354 | 0.00000868 | 0.00083 | 0.00135 | 0.00151 |
| 2025 Jan | 0.0000067 | 5.09 | 0.00122 | 75.8 | 0.0812 | 0.0691 | 6.42 | 0.589 | 0.00123 | 0.0000219 | 0.00407 | 0.00332 | 0.0354 | 0.00000868 | 0.00083 | 0.00135 | 0.00151 |
| 2025 Feb | 0.0000067 | 5.09 | 0.00122 | 75.8 | 0.0812 | 0.0691 | 6.42 | 0.589 | 0.00123 | 0.0000219 | 0.00407 | 0.00332 | 0.0354 | 0.00000868 | 0.00083 | 0.00135 | 0.00151 |
| 2025 Mar | 0.0000067 | 5.09 | 0.00122 | 75.8 | 0.0812 | 0.0691 | 6.42 | 0.589 | 0.00123 | 0.0000219 | 0.00407 | 0.00332 | 0.0354 | 0.00000868 | 0.00083 | 0.00135 | 0.00151 |
| 2025 Apr | 0.0000067 | 5.09 | 0.00122 | 75.8 | 0.0812 | 0.0691 | 6.42 | 0.589 | 0.00123 | 0.0000219 | 0.00407 | 0.00332 | 0.0354 | 0.00000868 | 0.00083 | 0.00135 | 0.00151 |
| 2025 May | 0.0000067 | 5.09 | 0.00122 | 75.8 | 0.0812 | 0.0691 | 6.42 | 0.589 | 0.00123 | 0.0000219 | 0.00407 | 0.00332 | 0.0354 | 0.00000868 | 0.00083 | 0.00135 | 0.00151 |
| 2025 Jun | 0.00000673 | 5.39 | 0.00126 | 80.9 | 0.0845 | 0.0707 | 6.53 | 0.611 | 0.00129 | 0.0000224 | 0.0041 | 0.00351 | 0.0377 | 0.00000886 | 0.000864 | 0.00139 | 0.00152 |
| 2025 Jul | 0.00000776 | 6.28 | 0.00146 | 94.3 | 0.0981 | 0.0818 | 7.54 | 0.708 | 0.00149 | 0.0000259 | 0.00473 | 0.00409 | 0.0439 | 0.0000103 | 0.001 | 0.00161 | 0.00175 |
| 2025 Aug | 0.00000702 | 5.68 | 0.00132 | 85.3 | 0.0887 | 0.074 | 6.82 | 0.641 | 0.00135 | 0.0000234 | 0.00428 | 0.0037 | 0.0397 | 0.00000927 | 0.000908 | 0.00146 | 0.00159 |
| 2025 Sep | 0.00000659 | 5.33 | 0.00124 | 80.1 | 0.0833 | 0.0695 | 6.41 | 0.602 | 0.00127 | 0.000022 | 0.00402 | 0.00347 | 0.0373 | 0.00000871 | 0.000852 | 0.00137 | 0.00149 |
| 2025 Oct | 0.00000653 | 5.28 | 0.00123 | 79.3 | 0.0825 | 0.0688 | 6.35 | 0.596 | 0.00126 | 0.0000218 | 0.00398 | 0.00344 | 0.037 | 0.00000863 | 0.000844 | 0.00135 | 0.00148 |
| 2025 Nov | 0.00000649 | 5.25 | 0.00122 | 78.8 | 0.082 | 0.0684 | 6.31 | 0.592 | 0.00125 | 0.0000217 | 0.00395 | 0.00342 | 0.0367 | 0.00000857 | 0.000839 | 0.00135 | 0.00147 |
| 2025 Dec | 0.00000649 | 5.25 | 0.00122 | 78.8 | 0.082 | 0.0684 | 6.31 | 0.592 | 0.00125 | 0.0000217 | 0.00395 | 0.00342 | 0.0367 | 0.00000857 | 0.000839 | 0.00135 | 0.00147 |
| 2026 Jan | 0.00000649 | 5.25 | 0.00122 | 78.8 | 0.082 | 0.0684 | 6.31 | 0.592 | 0.00125 | 0.0000217 | 0.00395 | 0.00342 | 0.0367 | 0.00000857 | 0.000839 | 0.00135 | 0.00147 |
| 2026 Feb | 0.00000649 | 5.25 | 0.00122 | 78.8 | 0.082 | 0.0684 | 6.31 | 0.592 | 0.00125 | 0.0000217 | 0.00395 | 0.00342 | 0.0367 | 0.00000857 | 0.000839 | 0.00135 | 0.00147 |
| 2026 Mar | 0.00000649 | 5.25 | 0.00122 | 78.8 | 0.082 | 0.0684 | 6.31 | 0.592 | 0.00125 | 0.0000217 | 0.00395 | 0.00342 | 0.0367 | 0.00000857 | 0.000839 | 0.00135 | 0.00147 |
| 2026 Apr | 0.00000649 | 5.25 | 0.00122 | 78.8 | 0.082 | 0.0684 | 6.31 | 0.592 | 0.00125 | 0.0000217 | 0.00395 | 0.00342 | 0.0367 | 0.00000857 | 0.000839 | 0.00135 | 0.00147 |
| 2026 May | 0.00000648 | 5.25 | 0.00122 | 78.8 | 0.082 | 0.0684 | 6.3 | 0.592 | 0.00125 | 0.0000217 | 0.00395 | 0.00343 | 0.0367 | 0.00000857 | 0.000839 | 0.00135 | 0.00146 |
| 2026 Jun | 0.00000685 | 5.62 | 0.00131 | 83.9 | 0.087 | 0.0728 | 6.68 | 0.63 | 0.00136 | 0.0000232 | 0.00418 | 0.00373 | 0.0395 | 0.00000916 | 0.000894 | 0.00146 | 0.00155 |
| 2026 Jul | 0.00000699 | 5.73 | 0.00134 | 85.6 | 0.0887 | 0.0743 | 6.81 | 0.643 | 0.00139 | 0.0000237 | 0.00427 | 0.00381 | 0.0402 | 0.00000934 | 0.000912 | 0.00149 | 0.00158 |
| 2026 Aug | 0.00000691 | 5.67 | 0.00132 | 84.6 | 0.0877 | 0.0735 | 6.74 | 0.636 | 0.00137 | 0.0000234 | 0.00422 | 0.00377 | 0.0398 | 0.00000924 | 0.000902 | 0.00147 | 0.00156 |
| 2026 Sep | 0.00000663 | 5.43 | 0.00127 | 81.2 | 0.0841 | 0.0704 | 6.46 | 0.61 | 0.00131 | 0.0000224 | 0.00404 | 0.00361 | 0.0382 | 0.00000886 | 0.000865 | 0.00141 | 0.0015 |
| 2026 Oct | 0.00000658 | 5.39 | 0.00126 | 80.6 | 0.0835 | 0.0699 | 6.42 | 0.605 | 0.00131 | 0.0000223 | 0.00402 | 0.00359 | 0.0379 | 0.00000879 | 0.000859 | 0.0014 | 0.00149 |
| 2026 Nov | 0.00000658 | 5.39 | 0.00126 | 80.6 | 0.0835 | 0.0699 | 6.42 | 0.605 | 0.00131 | 0.0000223 | 0.00402 | 0.00359 | 0.0379 | 0.00000879 | 0.000859 | 0.0014 | 0.00149 |
| 2026 Dec | 0.00000658 | 5.39 | 0.00126 | 80.6 | 0.0835 | 0.0699 | 6.42 | 0.605 | 0.00131 | 0.0000223 | 0.00402 | 0.00359 | 0.0379 | 0.00000879 | 0.000859 | 0.0014 | 0.00149 |
| 2027 Jan | 0.00000658 | 5.39 | 0.00126 | 80.6 | 0.0835 | 0.0699 | 6.42 | 0.605 | 0.00131 | 0.0000223 | 0.00402 | 0.00359 | 0.0379 | 0.00000879 | 0.000859 | 0.0014 | 0.00149 |
| 2027 Feb | 0.00000658 | 5.39 | 0.00126 | 80.6 | 0.0835 | 0.0699 | 6.42 | 0.605 | 0.00131 | 0.0000223 | 0.00402 | 0.00359 | 0.0379 | 0.00000879 | 0.000859 | 0.0014 | 0.00149 |
| 2027 Mar | 0.00000658 | 5.39 | 0.00126 | 80.6 | 0.0835 | 0.0699 | 6.42 | 0.605 | 0.00131 | 0.0000223 | 0.00402 | 0.00359 | 0.0379 | 0.00000879 | 0.000859 | 0.0014 | 0.00149 |
| 2027 Apr | 0.00000658 | 5.39 | 0.00126 | 80.6 | 0.0835 | 0.0699 | 6.42 | 0.605 | 0.00131 | 0.0000223 | 0.00402 | 0.00359 | 0.0379 | 0.00000879 | 0.000859 | 0.0014 | 0.00149 |
| 2027 May | 0.00000658 | 5.39 | 0.00126 | 80.5 | 0.0834 | 0.0699 | 6.41 | 0.605 | 0.0013 | 0.0000223 | 0.00401 | 0.00358 | 0.0378 | 0.00000878 | 0.000858 | 0.0014 | 0.00149 |
| 2027 Jun | 0.00000687 | 5.63 | 0.00131 | 84.1 | 0.0872 | 0.073 | 6.7 | 0.632 | 0.00136 | 0.0000233 | 0.00419 | 0.00374 | 0.0396 | 0.00000918 | 0.000897 | 0.00147 | 0.00155 |
| 2027 Jul | 0.00000721 | 5.91 | 0.00138 | 88.3 | 0.0915 | 0.0766 | 7.03 | 0.663 | 0.00143 | 0.0000244 | 0.0044 | 0.00393 | 0.0415 | 0.00000963 | 0.000941 | 0.00154 | 0.00163 |
| 2027 Aug | 0.00000695 | 5.7 | 0.00133 | 85.1 | 0.0882 | 0.0739 | 6.78 | 0.639 | 0.00138 | 0.0000235 | 0.00424 | 0.00379 | 0.04 | 0.00000929 | 0.000907 | 0.00148 | 0.00157 |
| 2027 Sep | 0.00000651 | 5.33 | 0.00124 | 79.7 | 0.0826 | 0.0692 | 6.35 | 0.599 | 0.00129 | 0.000022 | 0.00397 | 0.00355 | 0.0375 | 0.0000087 | 0.000849 | 0.00139 | 0.00147 |
| 2027 Oct | 0.00000642 | 5.26 | 0.00123 | 78.6 | 0.0814 | 0.0682 | 6.26 | 0.59 | 0.00127 | 0.0000217 | 0.00392 | 0.00349 | 0.0369 | 0.00000857 | 0.000837 | 0.00137 | 0.00145 |
| 2027 Nov | 0.00000641 | 5.25 | 0.00122 | 78.4 | 0.0813 | 0.0681 | 6.25 | 0.589 | 0.00127 | 0.0000217 | 0.00391 | 0.00349 | 0.0369 | 0.00000856 | 0.000836 | 0.00137 | 0.00145 |
| 2027 Dec | 0.00000641 | 5.25 | 0.00122 | 78.4 | 0.0813 | 0.0681 | 6.25 | 0.589 | 0.00127 | 0.0000217 | 0.00391 | 0.00349 | 0.0369 | 0.00000856 | 0.000836 | 0.00137 | 0.00145 |
| 2028 Jan | 0.00000641 | 5.25 | 0.00122 | 78.4 | 0.0813 | 0.0681 | 6.25 | 0.589 | 0.00127 | 0.0000217 | 0.00391 | 0.00349 | 0.0369 | 0.00000856 | 0.000836 | 0.00137 | 0.00145 |
| 2028 Feb | 0.00000641 | 5.25 | 0.00122 | 78.4 | 0.0813 | 0.0681 | 6.25 | 0.589 | 0.00127 | 0.0000217 | 0.00391 | 0.00349 | 0.0369 | 0.00000856 | 0.000836 | 0.00137 | 0.00145 |
| 2028 Mar | 0.00000641 | 5.25 | 0.00122 | 78.4 | 0.0813 | 0.0681 | 6.25 | 0.589 | 0.00127 | 0.0000217 | 0.00391 | 0.00349 | 0.0369 | 0.00000856 | 0.000836 | 0.00137 | 0.00145 |
| 2028 Apr | 0.00000641 | 5.25 | 0.00122 | 78.4 | 0.0813 | 0.0681 | 6.25 | 0.589 | 0.00127 | 0.0000217 | 0.00391 | 0.00349 | 0.0369 | 0.00000856 | 0.000836 | 0.00137 | 0.00145 |
| 2028 May | 0.00000641 | 5.25 | 0.00122 | 78.4 | 0.0813 | 0.0681 | 6.25 | 0.589 | 0.00127 | 0.0000217 | 0.00391 | 0.00349 | 0.0369 | 0.00000856 | 0.000836 | 0.00137 | 0.00145 |
| 2028 Jun | 0.00000658 | 5.39 | 0.00126 | 80.6 | 0.0835 | 0.0699 | 6.42 | 0.605 | 0.00131 | 0.0000223 | 0.00402 | 0.00358 | 0.0379 | 0.00000879 | 0.000859 | 0.0014 | 0.00149 |

**Appendix D7. WT WRSF Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 36.3 | 0.0759 | 0.838 | 0.00823 | 5.8 | 0.088 | 8.84 | 0.00000736 | 0.0208 | 0.00033 | 0.00696 | 0.0177 | 0.0000131 | 6.12 | 0.00000544 | 0.000148 | 0.0000837 | 0.00131 | 0.00955 |
| Operation (Jan., 2024 to Jun., 2028): Average | 204 | 0.342 | 3.92 | 0.0365 | 17.7 | 0.233 | 110 | 0.0000158 | 0.0584 | 0.00644 | 0.0182 | 0.0702 | 0.0000173 | 42.6 | 0.0000157 | 0.000679 | 0.000139 | 0.00399 | 0.0192 |
| Operation (Jan., 2024 to Jun., 2028): Max | 818 | 0.968 | 11.2 | 0.103 | 48.1 | 0.719 | 492 | 0.0000403 | 0.148 | 0.0159 | 0.0561 | 0.185 | 0.0000342 | 173 | 0.0000477 | 0.00224 | 0.000239 | 0.00971 | 0.0386 |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 26.9 | 0.0000653 | 0.0000267 | 0.0000042 | 3.97 | 0.0702 | 5.93 | 0.00000723 | 0.0226 | 0.000235 | 0.00673 | 0.0147 | 0.0000143 | 4.67 | 0.0000043 | 0.000124 | 0.0000755 | 0.0011 | 0.0117 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 52.3 | 0.0024 | 0.00213 | 0.000216 | 5.37 | 0.331 | 24.1 | 0.0000141 | 0.136 | 0.000302 | 0.0113 | 0.0583 | 0.0000268 | 10.2 | 0.0000129 | 0.000543 | 0.000146 | 0.00641 | 0.0286 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 171 | 0.0237 | 0.124 | 0.00238 | 13.9 | 1.25 | 89.4 | 0.0000479 | 0.526 | 0.000823 | 0.0369 | 0.218 | 0.0000904 | 34.5 | 0.0000448 | 0.00205 | 0.000453 | 0.0247 | 0.0983 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2046) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 194 | 0.417 | 4.8 | 0.0446 | 20.5 | 0.225 | 99.5 | 0.000018 | 0.0564 | 0.0125 | 0.0182 | 0.0948 | 0.0000147 | 41.1 | 0.0000192 | 0.000765 | 0.000155 | 0.00504 | 0.0165 |
| 2024 Feb | 191 | 0.411 | 4.73 | 0.044 | 20.2 | 0.223 | 98 | 0.0000178 | 0.0558 | 0.0123 | 0.018 | 0.0935 | 0.0000146 | 40.6 | 0.000019 | 0.000755 | 0.000154 | 0.00498 | 0.0163 |
| 2024 Mar | 192 | 0.413 | 4.75 | 0.0441 | 20.3 | 0.224 | 98.3 | 0.0000179 | 0.0561 | 0.0123 | 0.0181 | 0.0938 | 0.0000147 | 40.7 | 0.0000191 | 0.000757 | 0.000154 | 0.005 | 0.0164 |
| 2024 Apr | 195 | 0.419 | 4.82 | 0.0447 | 20.6 | 0.227 | 99.6 | 0.0000181 | 0.0569 | 0.0125 | 0.0184 | 0.0952 | 0.000015 | 41.3 | 0.0000193 | 0.000768 | 0.000157 | 0.00507 | 0.0167 |
| 2024 May | 186 | 0.421 | 4.82 | 0.0449 | 20.3 | 0.238 | 92.5 | 0.0000187 | 0.0625 | 0.012 | 0.0188 | 0.0939 | 0.0000177 | 39.1 | 0.0000188 | 0.000759 | 0.000164 | 0.0052 | 0.0182 |
| 2024 Jun | 129 | 0.348 | 3.96 | 0.0369 | 18.5 | 0.183 | 56 | 0.0000148 | 0.0505 | 0.0117 | 0.0148 | 0.0748 | 0.0000149 | 27.1 | 0.0000119 | 0.000587 | 0.000142 | 0.00416 | 0.0147 |
| 2024 Jul | 140 | 0.401 | 4.62 | 0.0429 | 19.2 | 0.198 | 64.3 | 0.0000158 | 0.0583 | 0.0137 | 0.0158 | 0.0836 | 0.0000141 | 30.1 | 0.0000131 | 0.000671 | 0.000146 | 0.00475 | 0.0179 |
| 2024 Aug | 140 | 0.401 | 4.63 | 0.043 | 19.3 | 0.198 | 64.4 | 0.0000158 | 0.0585 | 0.0137 | 0.0159 | 0.0836 | 0.0000142 | 30.1 | 0.0000132 | 0.000673 | 0.000137 | 0.00476 | 0.018 |
| 2024 Sep | 143 | 0.412 | 4.74 | 0.0439 | 19.6 | 0.199 | 66.3 | 0.0000158 | 0.0582 | 0.0142 | 0.0159 | 0.0853 | 0.0000135 | 30.8 | 0.0000133 | 0.000686 | 0.000133 | 0.00483 | 0.0168 |
| 2024 Oct | 159 | 0.453 | 5.23 | 0.0485 | 21.7 | 0.216 | 73.7 | 0.000017 | 0.0629 | 0.0159 | 0.0172 | 0.0944 | 0.0000137 | 34.2 | 0.0000151 | 0.000755 | 0.00015 | 0.0053 | 0.0167 |
| 2024 Nov | 106 | 0.294 | 3.39 | 0.0316 | 15.1 | 0.162 | 46.3 | 0.0000128 | 0.0482 | 0.00949 | 0.0127 | 0.062 | 0.0000135 | 22.3 | 0.0000123 | 0.000499 | 0.000137 | 0.00369 | 0.0148 |
| 2024 Dec | 107 | 0.298 | 3.43 | 0.0319 | 15.2 | 0.162 | 46.9 | 0.0000128 | 0.048 | 0.00966 | 0.0127 | 0.0626 | 0.0000133 | 22.5 | 0.0000121 | 0.000503 | 0.000134 | 0.0037 | 0.0145 |
| 2025 Jan | 106 | 0.294 | 3.39 | 0.0315 | 15 | 0.16 | 46.4 | 0.0000127 | 0.0476 | 0.00954 | 0.0126 | 0.0619 | 0.0000133 | 22.2 | 0.000012 | 0.000498 | 0.000133 | 0.00367 | 0.0144 |
| 2025 Feb | 105 | 0.293 | 3.37 | 0.0314 | 14.9 | 0.159 | 46.1 | 0.0000126 | 0.0474 | 0.00947 | 0.0125 | 0.0616 | 0.0000133 | 22.1 | 0.0000119 | 0.000495 | 0.000132 | 0.00365 | 0.0144 |
| 2025 Mar | 105 | 0.292 | 3.36 | 0.0313 | 14.9 | 0.159 | 45.9 | 0.0000126 | 0.0473 | 0.00943 | 0.0125 | 0.0614 | 0.0000133 | 22 | 0.0000119 | 0.000494 | 0.000132 | 0.00364 | 0.0144 |
| 2025 Apr | 106 | 0.295 | 3.39 | 0.0316 | 15 | 0.161 | 46.4 | 0.0000127 | 0.0478 | 0.00952 | 0.0126 | 0.062 | 0.0000134 | 22.2 | 0.000012 | 0.000498 | 0.000133 | 0.00367 | 0.0145 |
| 2025 May | 130 | 0.357 | 4.11 | 0.0382 | 18.1 | 0.194 | 57.1 | 0.0000153 | 0.0575 | 0.0115 | 0.0153 | 0.075 | 0.0000159 | 27.2 | 0.0000143 | 0.000603 | 0.000158 | 0.00442 | 0.0173 |
| 2025 Jun | 86.9 | 0.2 | 2.23 | 0.021 | 12.1 | 0.137 | 35.4 | 0.0000103 | 0.0369 | 0.00489 | 0.0106 | 0.0441 | 0.0000141 | 17.3 | 0.0000072 | 0.00034 | 0.000115 | 0.00253 | 0.0117 |
| 2025 Jul | 138 | 0.315 | 3.61 | 0.0339 | 18 | 0.201 | 61.6 | 0.0000166 | 0.0572 | 0.00877 | 0.0176 | 0.0695 | 0.0000215 | 28.7 | 0.0000113 | 0.000561 | 0.000194 | 0.00394 | 0.0278 |
| 2025 Aug | 82.3 | 0.204 | 2.33 | 0.022 | 10.9 | 0.143 | 34.9 | 0.0000114 | 0.0445 | 0.00462 | 0.0117 | 0.0431 | 0.0000167 | 16.7 | 0.00000778 | 0.000359 | 0.000119 | 0.00275 | 0.0213 |
| 2025 Sep | 36.6 | 0.0981 | 1 | 0.0099 | 5.8 | 0.102 | 8.84 | 0.00000932 | 0.0335 | 0.00033 | 0.00873 | 0.0197 | 0.0000183 | 6.15 | 0.00000578 | 0.000178 | 0.0000917 | 0.00167 | 0.0214 |
| 2025 Oct | 36.3 | 0.0759 | 0.838 | 0.00823 | 6.26 | 0.088 | 9.04 | 0.00000736 | 0.0279 | 0.000578 | 0.00696 | 0.0177 | 0.0000141 | 6.12 | 0.00000827 | 0.000148 | 0.000119 | 0.00145 | 0.0135 |
| 2025 Nov | 61.5 | 0.137 | 1.56 | 0.0148 | 8.89 | 0.109 | 23.6 | 0.00000846 | 0.0328 | 0.00296 | 0.00854 | 0.0303 | 0.0000131 | 11.9 | 0.00000898 | 0.000245 | 0.000121 | 0.00201 | 0.0128 |
| 2025 Dec | 61 | 0.136 | 1.55 | 0.0147 | 8.81 | 0.108 | 23.3 | 0.00000843 | 0.0326 | 0.00292 | 0.00851 | 0.03 | 0.0000131 | 11.8 | 0.0000089 | 0.000244 | 0.00012 | 0.002 | 0.0127 |
| 2026 Jan | 60.6 | 0.135 | 1.54 | 0.0146 | 8.75 | 0.108 | 23.2 | 0.00000841 | 0.0325 | 0.0029 | 0.00848 | 0.0299 | 0.0000131 | 11.7 | 0.00000885 | 0.000242 | 0.000119 | 0.00199 | 0.0126 |
| 2026 Feb | 60.5 | 0.135 | 1.53 | 0.0145 | 8.72 | 0.108 | 23.1 | 0.0000084 | 0.0324 | 0.00288 | 0.00847 | 0.0298 | 0.0000131 | 11.7 | 0.00000883 | 0.000242 | 0.000119 | 0.00198 | 0.0126 |
| 2026 Mar | 60.7 | 0.135 | 1.54 | 0.0146 | 8.76 | 0.108 | 23.2 | 0.00000844 | 0.0325 | 0.00289 | 0.0085 | 0.0299 | 0.0000131 | 11.7 | 0.00000886 | 0.000243 | 0.00012 | 0.00199 | 0.0127 |
| 2026 Apr | 62.3 | 0.139 | 1.58 | 0.015 | 8.98 | 0.111 | 23.8 | 0.00000866 | 0.0334 | 0.00297 | 0.00873 | 0.0307 | 0.0000135 | 12 | 0.00000909 | 0.000249 | 0.000123 | 0.00204 | 0.013 |
| 2026 May | 83.5 | 0.175 | 1.99 | 0.0188 | 10.8 | 0.135 | 35.5 | 0.0000101 | 0.0393 | 0.00355 | 0.0104 | 0.038 | 0.0000149 | 16.5 | 0.0000105 | 0.000317 | 0.000134 | 0.00243 | 0.0145 |
| 2026 Jun | 64.4 | 0.0926 | 0.939 | 0.00921 | 9.49 | 0.0981 | 21.8 | 0.00000844 | 0.0208 | 0.00104 | 0.00852 | 0.0253 | 0.0000148 | 11.7 | 0.00000544 | 0.000188 | 0.000112 | 0.00131 | 0.00955 |
| 2026 Jul | 44.3 | 0.0967 | 1.03 | 0.0103 | 7.73 | 0.114 | 9.72 | 0.0000104 | 0.0351 | 0.000406 | 0.00976 | 0.0239 | 0.0000204 | 7.39 | 0.00000634 | 0.000192 | 0.000159 | 0.00176 | 0.0226 |
| 2026 Aug | 36.7 | 0.0942 | 1.05 | 0.0104 | 5.94 | 0.103 | 9.42 | 0.00000928 | 0.0355 | 0.00038 | 0.00869 | 0.0206 | 0.0000181 | 6.35 | 0.00000583 | 0.000184 | 0.000112 | 0.00171 | 0.023 |
| 2026 Sep | 52 | 0.125 | 1.33 | 0.013 | 7.07 | 0.12 | 17.7 | 0.0000104 | 0.0389 | 0.000744 | 0.00993 | 0.0253 | 0.0000193 | 9.47 | 0.00000678 | 0.000231 | 0.000101 | 0.00199 | 0.0229 |
| 2026 Oct | 201 | 0.343 | 3.91 | 0.0364 | 17.2 | 0.233 | 109 | 0.0000155 | 0.0606 | 0.0051 | 0.0177 | 0.0692 | 0.0000171 | 42.2 | 0.0000135 | 0.000656 | 0.000117 | 0.00383 | 0.0203 |
| 2026 Nov | 202 | 0.345 | 3.93 | 0.0367 | 17.4 | 0.236 | 109 | 0.0000157 | 0.0616 | 0.00511 | 0.0179 | 0.0697 | 0.0000176 | 42.4 | 0.0000138 | 0.00066 | 0.000121 | 0.00388 | 0.0207 |
| 2026 Dec | 198 | 0.338 | 3.85 | 0.0359 | 17 | 0.232 | 107 | 0.0000155 | 0.0606 | 0.00499 | 0.0176 | 0.0683 | 0.0000175 | 41.5 | 0.0000135 | 0.000647 | 0.00012 | 0.00382 | 0.0204 |
| 2027 Jan | 195 | 0.334 | 3.81 | 0.0355 | 16.8 | 0.23 | 105 | 0.0000154 | 0.06 | 0.00492 | 0.0174 | 0.0676 | 0.0000174 | 40.9 | 0.0000134 | 0.00064 | 0.000119 | 0.00378 | 0.0202 |
| 2027 Feb | 194 | 0.333 | 3.78 | 0.0353 | 16.7 | 0.229 | 105 | 0.0000153 | 0.0598 | 0.00489 | 0.0173 | 0.0672 | 0.0000174 | 40.7 | 0.0000133 | 0.000636 | 0.000118 | 0.00376 | 0.0201 |
| 2027 Mar | 194 | 0.333 | 3.79 | 0.0353 | 16.7 | 0.229 | 105 | 0.0000153 | 0.0598 | 0.00489 | 0.0174 | 0.0672 | 0.0000174 | 40.7 | 0.0000133 | 0.000636 | 0.000119 | 0.00376 | 0.0201 |
| 2027 Apr | 205 | 0.351 | 4 | 0.0373 | 17.7 | 0.242 | 111 | 0.0000162 | 0.0632 | 0.00516 | 0.0183 | 0.071 | 0.0000184 | 42.9 | 0.0000141 | 0.000672 | 0.000125 | 0.00397 | 0.0213 |
| 2027 May | 271 | 0.423 | 4.82 | 0.0449 | 21.2 | 0.295 | 151 | 0.000019 | 0.0731 | 0.00572 | 0.0226 | 0.0844 | 0.0000204 | 57 | 0.0000177 | 0.000845 | 0.000139 | 0.00465 | 0.0235 |
| 2027 Jun | 176 | 0.228 | 2.56 | 0.024 | 13.3 | 0.189 | 97.1 | 0.0000117 | 0.0416 | 0.00188 | 0.0144 | 0.0464 | 0.0000145 | 36.2 | 0.0000114 | 0.000501 | 0.000104 | 0.00259 | 0.0125 |
| 2027 Jul | 243 | 0.283 | 3.25 | 0.0304 | 15.8 | 0.223 | 141 | 0.0000143 | 0.0469 | 0.00267 | 0.0187 | 0.0571 | 0.0000154 | 51 | 0.0000149 | 0.000671 | 0.000121 | 0.003 | 0.0194 |
| 2027 Aug | 282 | 0.345 | 3.97 | 0.037 | 17.6 | 0.264 | 167 | 0.0000156 | 0.0577 | 0.00309 | 0.0208 | 0.0665 | 0.0000156 | 59.5 | 0.0000171 | 0.000792 | 0.0001 | 0.00364 | 0.0193 |
| 2027 Sep | 87.9 | 0.146 | 1.59 | 0.0152 | 7.77 | 0.129 | 43.4 | 0.00000976 | 0.0359 | 0.00091 | 0.0105 | 0.0283 | 0.0000158 | 17.5 | 0.00000775 | 0.000299 | 0.0000837 | 0.00197 | 0.0185 |
| 2027 Oct | 52.5 | 0.104 | 1.15 | 0.0112 | 7.52 | 0.115 | 17.3 | 0.00000912 | 0.0363 | 0.000498 | 0.00882 | 0.0227 | 0.0000172 | 9.29 | 0.00001 | 0.000204 | 0.000137 | 0.00187 | 0.0168 |
| 2027 Nov | 666 | 0.778 | 8.98 | 0.0832 | 39 | 0.574 | 402 | 0.0000317 | 0.116 | 0.00733 | 0.0447 | 0.148 | 0.0000254 | 141 | 0.0000385 | 0.00181 | 0.000186 | 0.00771 | 0.0302 |
| 2027 Dec | 779 | 0.912 | 10.5 | 0.0975 | 45.4 | 0.674 | 470 | 0.0000373 | 0.136 | 0.00857 | 0.0525 | 0.174 | 0.0000301 | 165 | 0.0000448 | 0.00212 | 0.000216 | 0.00905 | 0.0353 |
| 2028 Jan | 705 | 0.831 | 9.57 | 0.0887 | 41.3 | 0.615 | 425 | 0.0000342 | 0.125 | 0.00776 | 0.0479 | 0.158 | 0.0000284 | 149 | 0.0000408 | 0.00192 | 0.000201 | 0.00828 | 0.0326 |
| 2028 Feb | 674 | 0.795 | 9.16 | 0.0849 | 39.6 | 0.59 | 405 | 0.0000329 | 0.121 | 0.00741 | 0.046 | 0.152 | 0.0000276 | 143 | 0.0000391 | 0.00184 | 0.000194 | 0.00795 | 0.0315 |
| 2028 Mar | 659 | 0.779 | 8.97 | 0.0831 | 38.7 | 0.578 | 396 | 0.0000323 | 0.118 | 0.00724 | 0.045 | 0.149 | 0.0000273 | 139 | 0.0000383 | 0.0018 | 0.000191 | 0.0078 | 0.0309 |

**Appendix D7. WT WRSF Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Apr | 670 | 0.793 | 9.13 | 0.0846 | 39.4 | 0.589 | 403 | 0.000033 | 0.121 | 0.00737 | 0.0459 | 0.151 | 0.0000279 | 142 | 0.000039 | 0.00183 | 0.000195 | 0.00795 | 0.0316 |
| 2028 May | 818 | 0.968 | 11.2 | 0.103 | 48.1 | 0.719 | 492 | 0.0000403 | 0.148 | 0.00899 | 0.0561 | 0.185 | 0.0000342 | 173 | 0.0000477 | 0.00224 | 0.000239 | 0.00971 | 0.0386 |
| 2028 Jun | 72.6 | 0.219 | 2.45 | 0.023 | 7.65 | 0.189 | 31.6 | 0.0000102 | 0.0642 | 0.00063 | 0.00956 | 0.0379 | 0.0000179 | 13.6 | 0.00000841 | 0.000345 | 0.000113 | 0.00324 | 0.0155 |
| 2028 Jul | 69.9 | 0.0237 | 0.124 | 0.00238 | 12.9 | 0.164 | 14.5 | 0.0000165 | 0.047 | 0.000674 | 0.0157 | 0.0356 | 0.0000325 | 11.8 | 0.0000097 | 0.000277 | 0.000259 | 0.00241 | 0.0355 |
| 2028 Aug | 42.8 | 0.00758 | 0.028 | 0.00104 | 7.57 | 0.12 | 10 | 0.0000111 | 0.0393 | 0.000416 | 0.0104 | 0.0241 | 0.0000219 | 7.44 | 0.00000683 | 0.000208 | 0.000136 | 0.00192 | 0.0264 |
| 2028 Sep | 31.5 | 0.00825 | 0.00481 | 0.000616 | 5.24 | 0.0917 | 7.82 | 0.00000831 | 0.0307 | 0.000296 | 0.00776 | 0.0178 | 0.0000163 | 5.47 | 0.00000518 | 0.000161 | 0.0000838 | 0.00151 | 0.0194 |
| 2028 Oct | 38.5 | 0.00722 | 0.0037 | 0.000573 | 6.18 | 0.131 | 10.7 | 0.00000941 | 0.0466 | 0.000331 | 0.00854 | 0.0244 | 0.0000184 | 6.72 | 0.00000859 | 0.000218 | 0.000121 | 0.00229 | 0.0193 |
| 2028 Nov | 32.7 | 0.00233 | 0.00314 | 0.000394 | 5.19 | 0.125 | 9.83 | 0.00000764 | 0.046 | 0.000267 | 0.00677 | 0.0227 | 0.0000148 | 5.75 | 0.00000861 | 0.0002 | 0.000115 | 0.00224 | 0.0144 |
| 2028 Dec | 32.5 | 0.00246 | 0.00314 | 0.000395 | 5.15 | 0.124 | 9.74 | 0.00000761 | 0.0455 | 0.000266 | 0.00675 | 0.0225 | 0.0000148 | 5.72 | 0.00000851 | 0.000199 | 0.000113 | 0.00221 | 0.0143 |
| 2029 Jan | 32.4 | 0.00254 | 0.00315 | 0.000396 | 5.13 | 0.123 | 9.69 | 0.00000759 | 0.0452 | 0.000265 | 0.00674 | 0.0224 | 0.0000148 | 5.7 | 0.00000845 | 0.000198 | 0.000113 | 0.0022 | 0.0142 |
| 2029 Feb | 32.4 | 0.00259 | 0.00315 | 0.000396 | 5.11 | 0.123 | 9.67 | 0.00000758 | 0.045 | 0.000265 | 0.00673 | 0.0223 | 0.0000147 | 5.69 | 0.00000842 | 0.000197 | 0.000112 | 0.00219 | 0.0141 |
| 2029 Mar | 32.3 | 0.00261 | 0.00315 | 0.000396 | 5.11 | 0.122 | 9.66 | 0.00000758 | 0.045 | 0.000265 | 0.00673 | 0.0223 | 0.0000147 | 5.68 | 0.00000841 | 0.000197 | 0.000112 | 0.00219 | 0.0141 |
| 2029 Apr | 32.6 | 0.00265 | 0.00318 | 0.0004 | 5.15 | 0.123 | 9.73 | 0.00000763 | 0.0453 | 0.000267 | 0.00678 | 0.0225 | 0.0000148 | 5.72 | 0.00000846 | 0.000198 | 0.000113 | 0.0022 | 0.0142 |
| 2029 May | 38.5 | 0.00259 | 0.00309 | 0.000389 | 5.54 | 0.171 | 13.1 | 0.00000936 | 0.0656 | 0.000292 | 0.00807 | 0.0308 | 0.0000181 | 6.96 | 0.00001 | 0.000277 | 0.000128 | 0.00316 | 0.0178 |
| 2029 Jun | 68.2 | 0.00477 | 0.00218 | 0.000229 | 7.21 | 0.424 | 31 | 0.0000177 | 0.172 | 0.000386 | 0.014 | 0.0754 | 0.0000335 | 13.2 | 0.0000156 | 0.000692 | 0.000181 | 0.00817 | 0.0339 |
| 2029 Jul | 26.9 | 0.00335 | 0.00299 | 0.000568 | 4.8 | 0.0702 | 5.93 | 0.00000723 | 0.0226 | 0.000269 | 0.00687 | 0.0147 | 0.0000143 | 4.67 | 0.0000043 | 0.000124 | 0.000116 | 0.0011 | 0.0185 |
| 2029 Aug | 38.9 | 0.00325 | 0.00325 | 0.00065 | 6.21 | 0.141 | 11.2 | 0.0000106 | 0.0519 | 0.000352 | 0.00963 | 0.0267 | 0.0000207 | 6.99 | 0.00000711 | 0.000243 | 0.000112 | 0.00247 | 0.0255 |
| 2029 Sep | 46.3 | 0.00224 | 0.000743 | 0.000149 | 4.35 | 0.31 | 22.4 | 0.0000129 | 0.129 | 0.000253 | 0.0102 | 0.0543 | 0.0000245 | 9.17 | 0.0000115 | 0.000512 | 0.000122 | 0.00605 | 0.0271 |
| 2029 Oct | 63 | 0.000569 | 0.000609 | 0.0000791 | 5.52 | 0.447 | 32.1 | 0.0000175 | 0.187 | 0.000318 | 0.0135 | 0.0778 | 0.0000329 | 12.6 | 0.0000167 | 0.000733 | 0.000172 | 0.00879 | 0.0357 |
| 2029 Nov | 87.1 | 0.000961 | 0.000896 | 0.000121 | 7.62 | 0.615 | 44.2 | 0.0000241 | 0.257 | 0.000441 | 0.0187 | 0.107 | 0.0000456 | 17.4 | 0.000023 | 0.00101 | 0.000238 | 0.0121 | 0.0491 |
| 2029 Dec | 51.2 | 0.000418 | 0.000261 | 0.0000373 | 4.25 | 0.372 | 26.6 | 0.0000143 | 0.156 | 0.000249 | 0.011 | 0.0647 | 0.000027 | 10.3 | 0.0000135 | 0.000611 | 0.000137 | 0.00733 | 0.0292 |
| 2030 Jan | 50.8 | 0.000532 | 0.000305 | 0.0000424 | 4.23 | 0.368 | 26.3 | 0.0000142 | 0.154 | 0.000249 | 0.011 | 0.064 | 0.0000268 | 10.2 | 0.0000133 | 0.000604 | 0.000136 | 0.00725 | 0.029 |
| 2030 Feb | 50.7 | 0.00059 | 0.000328 | 0.000045 | 4.23 | 0.366 | 26.2 | 0.0000142 | 0.154 | 0.000249 | 0.0109 | 0.0638 | 0.0000267 | 10.2 | 0.0000133 | 0.000602 | 0.000136 | 0.00722 | 0.0288 |
| 2030 Mar | 50.7 | 0.000627 | 0.000343 | 0.0000466 | 4.24 | 0.367 | 26.2 | 0.0000142 | 0.154 | 0.00025 | 0.011 | 0.0638 | 0.0000268 | 10.2 | 0.0000133 | 0.000602 | 0.000136 | 0.00722 | 0.0289 |
| 2030 Apr | 51.5 | 0.000655 | 0.000356 | 0.0000482 | 4.31 | 0.372 | 26.6 | 0.0000144 | 0.156 | 0.000254 | 0.0111 | 0.0648 | 0.0000272 | 10.4 | 0.0000135 | 0.000611 | 0.000138 | 0.00732 | 0.0293 |
| 2030 May | 61.2 | 0.000784 | 0.000425 | 0.0000576 | 5.12 | 0.442 | 31.6 | 0.0000171 | 0.185 | 0.000302 | 0.0132 | 0.0769 | 0.0000323 | 12.3 | 0.000016 | 0.000725 | 0.000164 | 0.0087 | 0.0348 |
| 2030 Jun | 41.5 | 0.00947 | 0.00432 | 0.000456 | 6.84 | 0.142 | 11.6 | 0.00000865 | 0.0471 | 0.000327 | 0.00769 | 0.0281 | 0.0000168 | 7.18 | 0.00000613 | 0.000224 | 0.000111 | 0.00237 | 0.013 |
| 2030 Jul | 38.9 | 0.00438 | 0.00289 | 0.000459 | 5.59 | 0.169 | 13 | 0.00000999 | 0.0639 | 0.000302 | 0.00872 | 0.0317 | 0.0000193 | 7.1 | 0.00000738 | 0.000281 | 0.000131 | 0.00306 | 0.0216 |
| 2030 Aug | 36.5 | 0.00357 | 0.00357 | 0.000714 | 6.26 | 0.111 | 9.05 | 0.00000997 | 0.0383 | 0.000355 | 0.0093 | 0.0218 | 0.0000196 | 6.44 | 0.00000623 | 0.000194 | 0.000123 | 0.00184 | 0.025 |
| 2030 Sep | 30.5 | 0.00578 | 0.00293 | 0.000587 | 5.16 | 0.0899 | 7.55 | 0.00000815 | 0.0305 | 0.000292 | 0.00761 | 0.0175 | 0.000016 | 5.33 | 0.00000508 | 0.000158 | 0.0000811 | 0.00149 | 0.0195 |
| 2030 Oct | 40.4 | 0.00547 | 0.00476 | 0.000666 | 7.22 | 0.112 | 9.5 | 0.00000929 | 0.0366 | 0.000374 | 0.00867 | 0.0212 | 0.0000183 | 6.84 | 0.00000964 | 0.000181 | 0.000141 | 0.00184 | 0.0183 |
| 2030 Nov | 44.4 | 0.00406 | 0.00555 | 0.000697 | 8.05 | 0.121 | 10.3 | 0.00000977 | 0.0395 | 0.000409 | 0.00911 | 0.0229 | 0.0000192 | 7.45 | 0.0000117 | 0.000192 | 0.000167 | 0.002 | 0.0173 |
| 2030 Dec | 42.4 | 0.00444 | 0.00528 | 0.000672 | 7.57 | 0.116 | 9.85 | 0.00000942 | 0.0379 | 0.00039 | 0.00879 | 0.022 | 0.0000185 | 7.11 | 0.0000109 | 0.000185 | 0.000157 | 0.00192 | 0.0164 |
| 2031 Jan | 41.5 | 0.00467 | 0.0052 | 0.00066 | 7.35 | 0.114 | 9.66 | 0.00000925 | 0.0371 | 0.000381 | 0.00863 | 0.0216 | 0.0000182 | 6.96 | 0.0000106 | 0.000182 | 0.000152 | 0.00188 | 0.016 |
| 2031 Feb | 41 | 0.00479 | 0.00516 | 0.000654 | 7.25 | 0.113 | 9.57 | 0.00000917 | 0.0367 | 0.000377 | 0.00855 | 0.0214 | 0.000018 | 6.89 | 0.0000104 | 0.00018 | 0.00015 | 0.00186 | 0.0158 |
| 2031 Mar | 40.8 | 0.00486 | 0.00515 | 0.000652 | 7.2 | 0.112 | 9.53 | 0.00000914 | 0.0365 | 0.000375 | 0.00852 | 0.0213 | 0.000018 | 6.86 | 0.0000103 | 0.000179 | 0.000149 | 0.00185 | 0.0157 |
| 2031 Apr | 45.5 | 0.0043 | 0.00452 | 0.000571 | 7.07 | 0.171 | 13.5 | 0.0000108 | 0.0626 | 0.000374 | 0.00957 | 0.0313 | 0.0000209 | 7.98 | 0.0000116 | 0.000277 | 0.000156 | 0.00306 | 0.0194 |
| 2031 May | 57.4 | 0.0024 | 0.000865 | 0.000157 | 5.19 | 0.383 | 27.8 | 0.0000156 | 0.158 | 0.000305 | 0.0123 | 0.0673 | 0.0000296 | 11.3 | 0.0000142 | 0.000629 | 0.000151 | 0.00746 | 0.0307 |
| 2031 Jun | 48.6 | 0.0142 | 0.0064 | 0.000686 | 9.1 | 0.112 | 10.1 | 0.00000919 | 0.0282 | 0.000426 | 0.00864 | 0.0246 | 0.0000181 | 8 | 0.00000563 | 0.00017 | 0.00013 | 0.00157 | 0.0117 |
| 2031 Jul | 63.7 | 0.0172 | 0.00832 | 0.000955 | 12 | 0.148 | 13.3 | 0.0000126 | 0.0385 | 0.00057 | 0.0119 | 0.0324 | 0.0000249 | 10.6 | 0.00000768 | 0.00023 | 0.000185 | 0.00209 | 0.0189 |
| 2031 Aug | 45.4 | 0.0083 | 0.00519 | 0.000791 | 8.2 | 0.12 | 10.3 | 0.0000107 | 0.0368 | 0.000427 | 0.01 | 0.0247 | 0.0000211 | 7.76 | 0.00000658 | 0.0002 | 0.000134 | 0.00185 | 0.0222 |
| 2031 Sep | 29.1 | 0.00913 | 0.00275 | 0.00055 | 4.75 | 0.0855 | 7.35 | 0.00000768 | 0.0285 | 0.000269 | 0.00716 | 0.0165 | 0.0000151 | 5.06 | 0.0000048 | 0.00015 | 0.0000755 | 0.00142 | 0.0176 |
| 2031 Oct | 35.3 | 0.00357 | 0.00406 | 0.000522 | 6.18 | 0.107 | 8.87 | 0.00000795 | 0.0365 | 0.000315 | 0.00731 | 0.02 | 0.0000156 | 6.01 | 0.00000908 | 0.000171 | 0.000128 | 0.00182 | 0.0149 |
| 2031 Nov | 37.8 | 0.0018 | 0.00278 | 0.000342 | 5.3 | 0.178 | 13.5 | 0.00000924 | 0.0692 | 0.000277 | 0.00787 | 0.0318 | 0.0000178 | 6.9 | 0.0000101 | 0.000288 | 0.000126 | 0.00331 | 0.0178 |
| 2031 Dec | 37.6 | 0.00191 | 0.00278 | 0.000344 | 5.26 | 0.176 | 13.3 | 0.00000919 | 0.0684 | 0.000276 | 0.00783 | 0.0314 | 0.0000177 | 6.85 | 0.00000995 | 0.000285 | 0.000125 | 0.00328 | 0.0176 |
| 2032 Jan | 37.4 | 0.00199 | 0.00279 | 0.000345 | 5.24 | 0.175 | 13.3 | 0.00000915 | 0.0679 | 0.000275 | 0.00781 | 0.0313 | 0.0000176 | 6.82 | 0.00000989 | 0.000283 | 0.000124 | 0.00325 | 0.0175 |
| 2032 Feb | 37.4 | 0.00203 | 0.00279 | 0.000345 | 5.23 | 0.174 | 13.2 | 0.00000914 | 0.0676 | 0.000275 | 0.0078 | 0.0312 | 0.0000176 | 6.8 | 0.00000986 | 0.000282 | 0.000124 | 0.00324 | 0.0174 |
| 2032 Mar | 37.3 | 0.00205 | 0.0028 | 0.000346 | 5.22 | 0.174 | 13.2 | 0.00000913 | 0.0675 | 0.000275 | 0.0078 | 0.0311 | 0.0000176 | 6.8 | 0.00000984 | 0.000282 | 0.000123 | 0.00324 | 0.0174 |
| 2032 Apr | 37.9 | 0.0021 | 0.00284 | 0.000351 | 5.3 | 0.176 | 13.4 | 0.00000926 | 0.0684 | 0.000279 | 0.0079 | 0.0315 | 0.0000178 | 6.89 | 0.00000997 | 0.000285 | 0.000125 | 0.00328 | 0.0177 |
| 2032 May | 74.1 | 0.00119 | 0.0016 | 0.000197 | 7.17 | 0.493 | 35.6 | 0.0000201 | 0.205 | 0.000404 | 0.0158 | 0.0862 | 0.000038 | 14.6 | 0.0000196 | 0.000808 | 0.00021 | 0.00963 | 0.0405 |
| 2032 Jun | 48.5 | 0.00973 | 0.00444 | 0.000468 | 7.5 | 0.189 | 15 | 0.0000105 | 0.0669 | 0.000364 | 0.00916 | 0.0365 | 0.0000204 | 8.56 | 0.00000785 | 0.000302 | 0.00013 | 0.0033 | 0.0167 |
| 2032 Jul | 30.1 | 0.00358 | 0.00315 | 0.000595 | 5.19 | 0.0876 | 7.22 | 0.0000081 | 0.0295 | 0.000291 | 0.00759 | 0.0178 | 0.0000159 | 5.28 | 0.00000499 | 0.000153 | 0.000127 | 0.00142 | 0.0204 |
| 2032 Aug | 38.3 | 0.00322 | 0.00322 | 0.000643 | 6.11 | 0.139 | 11 | 0.0000104 | 0.0509 | 0.000347 | 0.0095 | 0.0263 | 0.0000204 | 6.88 | 0.000007 | 0.000239 | 0.000114 | 0.00243 | 0.0253 |
| 2032 Sep | 36.5 | 0.00688 | 0.00278 | 0.000556 | 5.45 | 0.141 | 11.2 | 0.00000983 | 0.0523 | 0.00031 | 0.00882 | 0.0262 | 0.0000191 | 6.58 | 0.0000068 | 0.000241 | 0.000096 | 0.00251 | 0.0225 |
| 2032 Oct | 38.2 | 0.00315 | 0.00261 | 0.000366 | 5.23 | 0.181 | 13.8 | 0.00000962 | 0.0706 | 0.00028 | 0.00822 | 0.0325 | 0.0000185 | 7.01 | 0.00000953 | 0.000296 | 0.000119 | 0.00337 | 0.0194 |
| 2032 Nov | 89.1 | 0.00097 | 0.00103 | 0.000136 | 7.93 | 0.626 | 44.9 | 0.0000246 | 0.262 | 0.000456 | 0.0191 | 0.109 | 0.0000465 | 17.8 | 0.0000235 | 0.00103 | 0.000244 | 0.0123 | 0.0503 |
| 2032 Dec | 77 | 0.000274 | 0.000109 | 0.0000165 | 6.18 | 0.571 | 40.7 | 0.0000217 | 0.24 | 0.000365 | 0.0166 | 0.0992 | 0.0000408 | 15.6 | 0.0000203 | 0.000937 | 0.000204 | 0.0113 | 0.0444 |
| 2033 Jan | 60.7 | 0.00026 | 0.000103 | 0.0000141 | 4.88 | 0.45 | 32.1 | 0.0000171 | 0.19 | 0.000288 | 0.0131 | 0.0782 | 0.0000322 | 12.3 | 0.000016 | 0.000739 | 0.000161 | 0.00889 | 0.035 |
| 2033 Feb | 75 | 0.000275 | 0.000109 | 0.0000143 | 6.01 | 0.557 | 39.7 | 0.0000211 | 0.234 | 0.000355 | 0.0162 | 0.0967 | 0.0000397 | 15.2 | 0.0000198 | 0.000914 | 0.000199 | 0.011 | 0.0433 |
| 2033 Mar | 63.8 | 0.000257 | 0.000104 | 0.0000125 | 5.11 | 0.473 | 33.8 | 0.000018 | 0.199 | 0.000302 | 0.0138 | 0.0823 | 0.0000338 | 12.9 | 0.0000168 | 0.000777 | 0.000169 | 0.00935 | 0.0368 |
| 2033 Apr | 69.3 | 0.000325 | 0.000132 | 0.0000157 | 5.56 | 0.514 | 36.7 | 0.0000195 | 0.216 | 0.000328 | 0.0149 | 0.0893 | 0.0000367 | 14 | 0.0000183 | 0.000843 | 0.000184 | 0.0101 | 0.04 |

**Appendix D7. WT WRSF Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 May | 61.1 | 0.00139 | 0.000428 | 0.0000799 | 5.14 | 0.433 | 31.1 | 0.000017 | 0.181 | 0.000304 | 0.0132 | 0.0756 | 0.000032 | 12.2 | 0.0000156 | 0.000711 | 0.00016 | 0.0085 | 0.0341 |
| 2033 Jun | 47.3 | 0.00634 | 0.00285 | 0.000307 | 6.1 | 0.241 | 18.2 | 0.0000113 | 0.0931 | 0.00031 | 0.00938 | 0.0442 | 0.0000217 | 8.77 | 0.0000093 | 0.00039 | 0.000126 | 0.00448 | 0.0201 |
| 2033 Jul | 53 | 0.000742 | 0.000698 | 0.000136 | 4.84 | 0.365 | 26.3 | 0.0000149 | 0.152 | 0.000282 | 0.0117 | 0.064 | 0.0000282 | 10.6 | 0.0000134 | 0.000602 | 0.000152 | 0.00715 | 0.0316 |
| 2033 Aug | 52.6 | 0.000495 | 0.000495 | 0.000099 | 4.66 | 0.371 | 26.6 | 0.0000148 | 0.155 | 0.000272 | 0.0115 | 0.0647 | 0.0000279 | 10.6 | 0.0000135 | 0.00061 | 0.000142 | 0.00727 | 0.031 |
| 2033 Sep | 43.5 | 0.00427 | 0.00127 | 0.000254 | 4.59 | 0.264 | 19.4 | 0.000012 | 0.108 | 0.000265 | 0.00979 | 0.0466 | 0.0000229 | 8.45 | 0.0000102 | 0.000438 | 0.000115 | 0.00509 | 0.0256 |
| 2033 Oct | 42.9 | 0.00225 | 0.00352 | 0.000432 | 6.32 | 0.188 | 14.4 | 0.0000103 | 0.0718 | 0.000327 | 0.00887 | 0.0337 | 0.0000198 | 7.72 | 0.0000114 | 0.000303 | 0.000146 | 0.00346 | 0.0196 |
| 2033 Nov | 76.7 | 0.00116 | 0.00167 | 0.000208 | 7.46 | 0.51 | 36.8 | 0.0000208 | 0.211 | 0.000419 | 0.0164 | 0.089 | 0.0000393 | 15.1 | 0.0000203 | 0.000834 | 0.000218 | 0.00994 | 0.0419 |
| 2033 Dec | 66.8 | 0.000567 | 0.000521 | 0.0000681 | 5.7 | 0.479 | 34.3 | 0.0000186 | 0.201 | 0.000332 | 0.0144 | 0.0834 | 0.0000351 | 13.4 | 0.0000176 | 0.000786 | 0.000181 | 0.00942 | 0.0379 |
| 2034 Jan | 54.5 | 0.00023 | 0.000148 | 0.0000188 | 4.43 | 0.402 | 28.7 | 0.0000153 | 0.169 | 0.00026 | 0.0117 | 0.0698 | 0.0000288 | 11 | 0.0000144 | 0.00066 | 0.000145 | 0.00793 | 0.0314 |
| 2034 Feb | 58.1 | 0.000221 | 0.000122 | 0.0000151 | 4.69 | 0.43 | 30.7 | 0.0000163 | 0.181 | 0.000276 | 0.0125 | 0.0747 | 0.0000307 | 11.8 | 0.0000153 | 0.000705 | 0.000154 | 0.00848 | 0.0335 |
| 2034 Mar | 66.1 | 0.000262 | 0.00013 | 0.0000149 | 5.32 | 0.49 | 35 | 0.0000186 | 0.206 | 0.000314 | 0.0143 | 0.0851 | 0.000035 | 13.4 | 0.0000175 | 0.000804 | 0.000176 | 0.00967 | 0.0381 |
| 2034 Apr | 70.1 | 0.000353 | 0.000171 | 0.0000193 | 5.64 | 0.518 | 37 | 0.0000197 | 0.218 | 0.000333 | 0.0151 | 0.0901 | 0.0000371 | 14.2 | 0.0000185 | 0.000851 | 0.000186 | 0.0102 | 0.0404 |
| 2034 May | 76.4 | 0.00103 | 0.000362 | 0.0000599 | 6.29 | 0.554 | 39.6 | 0.0000213 | 0.232 | 0.000372 | 0.0165 | 0.0964 | 0.0000402 | 15.4 | 0.0000199 | 0.000909 | 0.000202 | 0.0109 | 0.0433 |
| 2034 Jun | 43.1 | 0.00823 | 0.0037 | 0.000399 | 6.46 | 0.176 | 13.8 | 0.00000953 | 0.0631 | 0.000317 | 0.00823 | 0.0335 | 0.0000184 | 7.66 | 0.00000721 | 0.000281 | 0.000115 | 0.0031 | 0.0154 |
| 2034 Jul | 56.2 | 0.000741 | 0.000586 | 0.000105 | 4.98 | 0.394 | 28.3 | 0.0000157 | 0.165 | 0.00029 | 0.0123 | 0.0689 | 0.0000297 | 11.2 | 0.0000143 | 0.000649 | 0.000157 | 0.00773 | 0.0329 |
| 2034 Aug | 51.8 | 0.00077 | 0.00077 | 0.000154 | 4.85 | 0.352 | 25.3 | 0.0000145 | 0.146 | 0.000283 | 0.0115 | 0.0616 | 0.0000275 | 10.3 | 0.000013 | 0.00058 | 0.00014 | 0.00687 | 0.0308 |
| 2034 Sep | 42.9 | 0.00441 | 0.00124 | 0.000247 | 4.49 | 0.261 | 19.2 | 0.0000118 | 0.107 | 0.00026 | 0.00964 | 0.046 | 0.0000226 | 8.33 | 0.0000101 | 0.000432 | 0.000113 | 0.00503 | 0.0251 |
| 2034 Oct | 43.4 | 0.00176 | 0.00206 | 0.000263 | 5.16 | 0.245 | 18.1 | 0.0000112 | 0.0988 | 0.000279 | 0.00919 | 0.0432 | 0.0000214 | 8.22 | 0.0000114 | 0.000399 | 0.000132 | 0.00469 | 0.0223 |
| 2034 Nov | 56 | 0.000324 | 0.000295 | 0.0000402 | 4.68 | 0.407 | 29.1 | 0.0000156 | 0.171 | 0.000273 | 0.0121 | 0.0707 | 0.0000295 | 11.3 | 0.0000148 | 0.000667 | 0.000151 | 0.00801 | 0.032 |
| 2034 Dec | 53.2 | 0.000579 | 0.000318 | 0.0000465 | 4.43 | 0.385 | 27.6 | 0.0000149 | 0.162 | 0.000261 | 0.0115 | 0.067 | 0.0000281 | 10.7 | 0.000014 | 0.000632 | 0.000142 | 0.00758 | 0.0303 |
| 2035 Jan | 52.5 | 0.000774 | 0.000393 | 0.0000551 | 4.41 | 0.378 | 27.1 | 0.0000147 | 0.158 | 0.00026 | 0.0114 | 0.0658 | 0.0000277 | 10.6 | 0.0000137 | 0.000621 | 0.000141 | 0.00744 | 0.0298 |
| 2035 Feb | 52.2 | 0.000872 | 0.00043 | 0.0000595 | 4.39 | 0.375 | 26.8 | 0.0000146 | 0.157 | 0.00026 | 0.0113 | 0.0652 | 0.0000275 | 10.5 | 0.0000136 | 0.000615 | 0.00014 | 0.00737 | 0.0295 |
| 2035 Mar | 52.2 | 0.000932 | 0.000456 | 0.000062 | 4.4 | 0.374 | 26.8 | 0.0000146 | 0.156 | 0.00026 | 0.0113 | 0.0651 | 0.0000275 | 10.5 | 0.0000136 | 0.000614 | 0.00014 | 0.00735 | 0.0295 |
| 2035 Apr | 55.2 | 0.00102 | 0.000496 | 0.000067 | 4.65 | 0.394 | 28.3 | 0.0000154 | 0.165 | 0.000275 | 0.0119 | 0.0687 | 0.0000291 | 11.1 | 0.0000144 | 0.000648 | 0.000147 | 0.00776 | 0.0311 |
| 2035 May | 71.5 | 0.00125 | 0.000594 | 0.0000818 | 6.01 | 0.513 | 36.7 | 0.00002 | 0.215 | 0.000355 | 0.0155 | 0.0893 | 0.0000377 | 14.4 | 0.0000186 | 0.000842 | 0.000191 | 0.0101 | 0.0404 |
| 2035 Jun | 42 | 0.00684 | 0.00312 | 0.000329 | 5.9 | 0.192 | 14.8 | 0.00000965 | 0.072 | 0.000293 | 0.00815 | 0.0359 | 0.0000185 | 7.63 | 0.00000763 | 0.000309 | 0.000112 | 0.00349 | 0.0164 |
| 2035 Jul | 54.5 | 0.00179 | 0.00119 | 0.000191 | 5.37 | 0.357 | 25.9 | 0.000015 | 0.148 | 0.000305 | 0.0119 | 0.063 | 0.0000284 | 10.7 | 0.0000133 | 0.000588 | 0.000156 | 0.00694 | 0.0313 |
| 2035 Aug | 45.7 | 0.00123 | 0.00122 | 0.000244 | 4.81 | 0.285 | 20.7 | 0.0000127 | 0.117 | 0.000278 | 0.0103 | 0.0503 | 0.0000242 | 8.93 | 0.0000109 | 0.000472 | 0.000124 | 0.00551 | 0.0276 |
| 2035 Sep | 41.3 | 0.00429 | 0.00118 | 0.000236 | 4.32 | 0.252 | 18.5 | 0.0000114 | 0.103 | 0.00025 | 0.00928 | 0.0444 | 0.0000217 | 8.02 | 0.00000969 | 0.000417 | 0.000109 | 0.00486 | 0.0242 |
| 2035 Oct | 49.8 | 0.00207 | 0.00223 | 0.000289 | 5.82 | 0.286 | 21.1 | 0.000013 | 0.116 | 0.000316 | 0.0106 | 0.0504 | 0.0000247 | 9.48 | 0.000013 | 0.000467 | 0.000151 | 0.00548 | 0.0259 |
| 2035 Nov | 59.3 | 0.00021 | 0.000181 | 0.000025 | 4.86 | 0.436 | 31.1 | 0.0000166 | 0.183 | 0.000285 | 0.0128 | 0.0758 | 0.0000313 | 12 | 0.0000157 | 0.000716 | 0.000159 | 0.0086 | 0.0341 |
| 2035 Dec | 54.1 | 0.000359 | 0.000197 | 0.0000289 | 4.43 | 0.397 | 28.4 | 0.0000152 | 0.167 | 0.000261 | 0.0117 | 0.069 | 0.0000286 | 10.9 | 0.0000143 | 0.000652 | 0.000144 | 0.00782 | 0.0311 |
| 2036 Jan | 53.8 | 0.000474 | 0.000241 | 0.0000342 | 4.42 | 0.393 | 28.1 | 0.0000151 | 0.165 | 0.00026 | 0.0116 | 0.0683 | 0.0000284 | 10.8 | 0.0000141 | 0.000645 | 0.000143 | 0.00774 | 0.0308 |
| 2036 Feb | 53.6 | 0.000534 | 0.000264 | 0.0000368 | 4.41 | 0.39 | 27.9 | 0.000015 | 0.164 | 0.00026 | 0.0116 | 0.0679 | 0.0000283 | 10.8 | 0.0000141 | 0.000641 | 0.000143 | 0.00769 | 0.0306 |
| 2036 Mar | 53.4 | 0.000569 | 0.000279 | 0.0000383 | 4.4 | 0.389 | 27.8 | 0.000015 | 0.163 | 0.00026 | 0.0115 | 0.0677 | 0.0000282 | 10.8 | 0.000014 | 0.000639 | 0.000142 | 0.00767 | 0.0305 |
| 2036 Apr | 55.7 | 0.000442 | 0.000216 | 0.0000294 | 4.55 | 0.409 | 29.2 | 0.0000156 | 0.172 | 0.000269 | 0.012 | 0.0711 | 0.0000295 | 11.3 | 0.0000147 | 0.000671 | 0.000148 | 0.00806 | 0.032 |
| 2036 May | 67.3 | 0.0000653 | 0.0000267 | 0.0000042 | 5.37 | 0.502 | 35.8 | 0.000019 | 0.211 | 0.000316 | 0.0145 | 0.0871 | 0.0000357 | 13.7 | 0.0000178 | 0.000824 | 0.000178 | 0.00991 | 0.039 |
| 2036 Jun | 40.8 | 0.00871 | 0.00395 | 0.000421 | 6.48 | 0.15 | 12 | 0.00000872 | 0.0517 | 0.000313 | 0.00766 | 0.0293 | 0.0000169 | 7.14 | 0.00000635 | 0.000238 | 0.000109 | 0.00257 | 0.0135 |
| 2036 Jul | 51.2 | 0.00169 | 0.00116 | 0.000189 | 5.08 | 0.334 | 24.2 | 0.0000141 | 0.138 | 0.000289 | 0.0112 | 0.0589 | 0.0000267 | 10.1 | 0.0000124 | 0.000549 | 0.000148 | 0.00648 | 0.0295 |
| 2036 Aug | 46.7 | 0.000825 | 0.000825 | 0.000165 | 4.51 | 0.311 | 22.5 | 0.0000131 | 0.129 | 0.000262 | 0.0104 | 0.0546 | 0.0000248 | 9.26 | 0.0000116 | 0.000514 | 0.000125 | 0.00607 | 0.0278 |
| 2036 Sep | 52 | 0.00224 | 0.000642 | 0.000128 | 4.7 | 0.358 | 25.8 | 0.0000145 | 0.149 | 0.000274 | 0.0114 | 0.0625 | 0.0000275 | 10.4 | 0.0000131 | 0.000589 | 0.000137 | 0.007 | 0.0303 |
| 2036 Oct | 48.8 | 0.00162 | 0.0015 | 0.0002 | 5.12 | 0.305 | 22.3 | 0.000013 | 0.125 | 0.000284 | 0.0104 | 0.0536 | 0.0000248 | 9.47 | 0.0000127 | 0.0005 | 0.000141 | 0.00592 | 0.0264 |
| 2036 Nov | 52.3 | 0.000118 | 0.0000664 | 0.0000103 | 4.21 | 0.388 | 27.7 | 0.0000147 | 0.163 | 0.000248 | 0.0113 | 0.0674 | 0.0000277 | 10.6 | 0.0000138 | 0.000637 | 0.000139 | 0.00766 | 0.0302 |
| 2036 Dec | 49.4 | 0.000273 | 0.000104 | 0.0000168 | 3.98 | 0.365 | 26.1 | 0.0000139 | 0.154 | 0.000235 | 0.0107 | 0.0634 | 0.0000262 | 10 | 0.000013 | 0.000599 | 0.000131 | 0.0072 | 0.0284 |
| 2037 Jan | 49.1 | 0.000387 | 0.000149 | 0.0000221 | 3.97 | 0.361 | 25.8 | 0.0000138 | 0.152 | 0.000235 | 0.0106 | 0.0628 | 0.000026 | 9.92 | 0.0000129 | 0.000593 | 0.00013 | 0.00712 | 0.0282 |
| 2037 Feb | 48.9 | 0.000445 | 0.000172 | 0.0000247 | 3.97 | 0.359 | 25.7 | 0.0000137 | 0.151 | 0.000235 | 0.0106 | 0.0625 | 0.0000259 | 9.88 | 0.0000128 | 0.00059 | 0.00013 | 0.00708 | 0.028 |
| 2037 Mar | 49 | 0.000481 | 0.000187 | 0.0000263 | 3.98 | 0.359 | 25.7 | 0.0000138 | 0.151 | 0.000236 | 0.0106 | 0.0625 | 0.0000259 | 9.9 | 0.0000129 | 0.00059 | 0.00013 | 0.00709 | 0.0281 |
| 2037 Apr | 49.7 | 0.000506 | 0.000198 | 0.0000275 | 4.04 | 0.364 | 26 | 0.000014 | 0.153 | 0.000239 | 0.0107 | 0.0634 | 0.0000263 | 10 | 0.000013 | 0.000598 | 0.000132 | 0.00718 | 0.0285 |
| 2037 May | 55.1 | 0.00225 | 0.000672 | 0.000132 | 4.85 | 0.373 | 27 | 0.0000151 | 0.155 | 0.000287 | 0.0119 | 0.0656 | 0.0000286 | 10.9 | 0.0000136 | 0.000613 | 0.000143 | 0.00729 | 0.0297 |
| 2037 Jun | 45.9 | 0.00821 | 0.0037 | 0.000398 | 6.68 | 0.197 | 15.3 | 0.0000103 | 0.0723 | 0.00033 | 0.00885 | 0.0373 | 0.0000199 | 8.24 | 0.00000798 | 0.000317 | 0.000122 | 0.00353 | 0.0171 |
| 2037 Jul | 53.1 | 0.00103 | 0.000807 | 0.000144 | 4.93 | 0.362 | 26 | 0.0000148 | 0.15 | 0.000285 | 0.0116 | 0.0635 | 0.000028 | 10.6 | 0.0000133 | 0.000596 | 0.000151 | 0.00707 | 0.0312 |
| 2037 Aug | 49.3 | 0.000637 | 0.000637 | 0.000127 | 4.53 | 0.339 | 24.4 | 0.0000138 | 0.141 | 0.000264 | 0.0109 | 0.0593 | 0.0000261 | 9.83 | 0.0000124 | 0.000559 | 0.000133 | 0.00663 | 0.0292 |
| 2037 Sep | 52.5 | 0.00245 | 0.000657 | 0.000131 | 4.74 | 0.36 | 26 | 0.0000146 | 0.15 | 0.000277 | 0.0115 | 0.0629 | 0.0000277 | 10.4 | 0.0000132 | 0.000593 | 0.000139 | 0.00705 | 0.0305 |
| 2037 Oct | 50.7 | 0.00159 | 0.00151 | 0.0002 | 5.29 | 0.32 | 23.3 | 0.0000136 | 0.131 | 0.000294 | 0.0108 | 0.056 | 0.0000258 | 9.86 | 0.0000132 | 0.000523 | 0.000146 | 0.0062 | 0.0275 |
| 2037 Nov | 57 | 0.000166 | 0.000105 | 0.0000158 | 4.61 | 0.421 | 30.1 | 0.000016 | 0.177 | 0.000271 | 0.0123 | 0.0732 | 0.0000302 | 11.5 | 0.0000151 | 0.000692 | 0.000152 | 0.00831 | 0.0329 |
| 2037 Dec | 50.6 | 0.000302 | 0.000115 | 0.0000179 | 4.08 | 0.373 | 26.7 | 0.0000142 | 0.157 | 0.000241 | 0.0109 | 0.0649 | 0.0000268 | 10.2 | 0.0000133 | 0.000613 | 0.000134 | 0.00737 | 0.0291 |
| 2038 Jan | 53.2 | 0.000205 | 0.0000789 | 0.000011 | 4.27 | 0.395 | 28.2 | 0.000015 | 0.166 | 0.000252 | 0.0115 | 0.0686 | 0.0000282 | 10.8 | 0.0000141 | 0.000648 | 0.000141 | 0.0078 | 0.0307 |
| 2038 Feb | 50.4 | 0.000182 | 0.0000709 | 0.00000909 | 4.03 | 0.374 | 26.7 | 0.0000142 | 0.157 | 0.000238 | 0.0109 | 0.065 | 0.0000267 | 10.2 | 0.0000133 | 0.000614 | 0.000133 | 0.00738 | 0.0291 |
| 2038 Mar | 50.1 | 0.000227 | 0.0000898 | 0.000011 | 4.02 | 0.371 | 26.5 | 0.0000141 | 0.156 | 0.000237 | 0.0108 | 0.0645 | 0.0000265 | 10.2 | 0.0000132 | 0.00061 | 0.000133 | 0.00733 | 0.0289 |
| 2038 Apr | 51.4 | 0.000258 | 0.000103 | 0.0000124 | 4.13 | 0.381 | 27.2 | 0.0000145 | 0.16 | 0.000244 | 0.0111 | 0.0662 | 0.0000272 | 10.4 | 0.0000136 | 0.000626 | 0.000136 | 0.00752 | 0.0297 |
| 2038 May | 56.9 | 0.000589 | 0.000198 | 0.0000323 | 4.63 | 0.416 | 29.8 | 0.0000159 | 0.175 | 0.000274 | 0.0123 | 0.0724 | 0.00003 | 11.5 | 0.0000149 | 0.000683 | 0.00015 | 0.0082 | 0.0325 |

**Appendix D7. WT WRSF Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Jun | 42.9 | 0.0085 | 0.00385 | 0.000411 | 6.56 | 0.17 | 13.4 | 0.00000938 | 0.0602 | 0.00032 | 0.00814 | 0.0326 | 0.0000181 | 7.59 | 0.00000702 | 0.000271 | 0.000115 | 0.00297 | 0.015 |
| 2038 Jul | 58.2 | 0.000881 | 0.000687 | 0.000122 | 5.24 | 0.406 | 29.1 | 0.0000163 | 0.169 | 0.000304 | 0.0127 | 0.071 | 0.0000308 | 11.6 | 0.0000148 | 0.000667 | 0.000163 | 0.00794 | 0.0341 |
| 2038 Aug | 50.6 | 0.000906 | 0.000905 | 0.000181 | 4.9 | 0.336 | 24.3 | 0.0000141 | 0.14 | 0.000285 | 0.0112 | 0.059 | 0.0000268 | 10 | 0.0000125 | 0.000555 | 0.000135 | 0.00655 | 0.0301 |
| 2038 Sep | 44.5 | 0.00399 | 0.00109 | 0.000218 | 4.49 | 0.28 | 20.5 | 0.0000123 | 0.115 | 0.00026 | 0.00994 | 0.0493 | 0.0000235 | 8.7 | 0.0000106 | 0.000463 | 0.000117 | 0.00542 | 0.026 |
| 2038 Oct | 49.2 | 0.00068 | 0.000623 | 0.0000833 | 4.43 | 0.343 | 24.6 | 0.0000136 | 0.143 | 0.000254 | 0.0106 | 0.0598 | 0.0000256 | 9.81 | 0.0000129 | 0.000562 | 0.000135 | 0.00673 | 0.0277 |
| 2038 Nov | 55.6 | 0.000187 | 0.000106 | 0.0000165 | 4.49 | 0.411 | 29.3 | 0.0000156 | 0.173 | 0.000265 | 0.012 | 0.0714 | 0.0000294 | 11.3 | 0.0000147 | 0.000675 | 0.000148 | 0.00811 | 0.032 |
| 2038 Dec | 56.3 | 0.000492 | 0.0002 | 0.0000317 | 4.58 | 0.413 | 29.5 | 0.0000158 | 0.173 | 0.000271 | 0.0122 | 0.0717 | 0.0000298 | 11.4 | 0.0000148 | 0.000677 | 0.00015 | 0.00813 | 0.0323 |
| 2039 Jan | 54.4 | 0.000627 | 0.000253 | 0.0000371 | 4.45 | 0.398 | 28.4 | 0.0000153 | 0.167 | 0.000264 | 0.0118 | 0.0691 | 0.0000288 | 11 | 0.0000143 | 0.000653 | 0.000145 | 0.00783 | 0.0311 |
| 2039 Feb | 49.4 | 0.000434 | 0.000174 | 0.0000249 | 4.01 | 0.363 | 25.9 | 0.0000139 | 0.152 | 0.000237 | 0.0107 | 0.063 | 0.0000261 | 9.98 | 0.000013 | 0.000595 | 0.000131 | 0.00715 | 0.0283 |
| 2039 Mar | 49 | 0.000434 | 0.000175 | 0.0000244 | 3.98 | 0.36 | 25.7 | 0.0000138 | 0.151 | 0.000236 | 0.0106 | 0.0626 | 0.000026 | 9.91 | 0.0000129 | 0.000592 | 0.00013 | 0.0071 | 0.0281 |
| 2039 Apr | 49.6 | 0.000429 | 0.000174 | 0.000024 | 4.02 | 0.365 | 26.1 | 0.0000139 | 0.153 | 0.000238 | 0.0107 | 0.0634 | 0.0000263 | 10 | 0.000013 | 0.000599 | 0.000132 | 0.00719 | 0.0285 |
| 2039 May | 54.7 | 0.000392 | 0.000158 | 0.000022 | 4.42 | 0.403 | 28.8 | 0.0000154 | 0.17 | 0.000261 | 0.0118 | 0.0701 | 0.000029 | 11.1 | 0.0000144 | 0.000662 | 0.000145 | 0.00795 | 0.0314 |
| 2039 Jun | 41.3 | 0.00499 | 0.00228 | 0.00024 | 5.15 | 0.219 | 16.4 | 0.00001 | 0.0858 | 0.000263 | 0.00822 | 0.0399 | 0.0000191 | 7.72 | 0.00000837 | 0.000355 | 0.00011 | 0.00411 | 0.0181 |
| 2039 Jul | 40 | 0.00178 | 0.00153 | 0.000287 | 4.54 | 0.232 | 17 | 0.0000111 | 0.0941 | 0.00026 | 0.00913 | 0.0415 | 0.0000212 | 7.72 | 0.00000914 | 0.000385 | 0.000128 | 0.00443 | 0.0245 |
| 2039 Aug | 52.3 | 0.000285 | 0.000285 | 0.000057 | 4.44 | 0.378 | 27 | 0.0000147 | 0.158 | 0.00026 | 0.0114 | 0.0657 | 0.0000277 | 10.5 | 0.0000136 | 0.000621 | 0.000139 | 0.00743 | 0.0306 |
| 2039 Sep | 43.1 | 0.00531 | 0.00143 | 0.000286 | 4.67 | 0.253 | 18.7 | 0.0000119 | 0.103 | 0.00027 | 0.00974 | 0.0448 | 0.0000227 | 8.31 | 0.0000099 | 0.00042 | 0.000113 | 0.00486 | 0.0253 |
| 2039 Oct | 53.2 | 0.00292 | 0.000879 | 0.000165 | 4.98 | 0.356 | 25.8 | 0.0000147 | 0.148 | 0.000289 | 0.0117 | 0.0623 | 0.000028 | 10.5 | 0.0000133 | 0.000587 | 0.000142 | 0.00695 | 0.0307 |
| 2039 Nov | 52.7 | 0.00272 | 0.000927 | 0.000166 | 4.97 | 0.351 | 25.5 | 0.0000146 | 0.146 | 0.000288 | 0.0115 | 0.0615 | 0.0000276 | 10.4 | 0.0000132 | 0.000579 | 0.000141 | 0.00686 | 0.0302 |
| 2039 Dec | 52 | 0.00287 | 0.00098 | 0.000174 | 4.93 | 0.345 | 25 | 0.0000144 | 0.143 | 0.000286 | 0.0114 | 0.0604 | 0.0000273 | 10.3 | 0.000013 | 0.000568 | 0.00014 | 0.00672 | 0.0297 |
| 2040 Jan | 51.6 | 0.00297 | 0.00102 | 0.000178 | 4.9 | 0.341 | 24.7 | 0.0000143 | 0.141 | 0.000285 | 0.0113 | 0.0597 | 0.0000271 | 10.2 | 0.0000129 | 0.000561 | 0.000138 | 0.00664 | 0.0293 |
| 2040 Feb | 51.4 | 0.00302 | 0.00104 | 0.00018 | 4.89 | 0.339 | 24.6 | 0.0000142 | 0.14 | 0.000285 | 0.0113 | 0.0593 | 0.0000269 | 10.1 | 0.0000128 | 0.000558 | 0.000138 | 0.0066 | 0.0292 |
| 2040 Mar | 51.6 | 0.00307 | 0.00106 | 0.000182 | 4.91 | 0.339 | 24.6 | 0.0000143 | 0.14 | 0.000286 | 0.0113 | 0.0595 | 0.000027 | 10.2 | 0.0000129 | 0.000559 | 0.000138 | 0.00661 | 0.0293 |
| 2040 Apr | 52.7 | 0.00315 | 0.00109 | 0.000187 | 5.02 | 0.347 | 25.2 | 0.0000146 | 0.143 | 0.000293 | 0.0116 | 0.0608 | 0.0000276 | 10.4 | 0.0000131 | 0.000571 | 0.000141 | 0.00675 | 0.0299 |
| 2040 May | 57.9 | 0.00232 | 0.000791 | 0.000138 | 5.2 | 0.397 | 28.6 | 0.0000161 | 0.165 | 0.000304 | 0.0126 | 0.0694 | 0.0000304 | 11.5 | 0.0000147 | 0.000653 | 0.000154 | 0.00777 | 0.0328 |
| 2040 Jun | 46.5 | 0.00849 | 0.00387 | 0.000409 | 6.87 | 0.196 | 15.3 | 0.0000104 | 0.0714 | 0.000337 | 0.00889 | 0.0372 | 0.00002 | 8.31 | 0.00000795 | 0.000314 | 0.000124 | 0.00349 | 0.017 |
| 2040 Jul | 49.2 | 0.00102 | 0.000926 | 0.000178 | 4.74 | 0.327 | 23.6 | 0.0000138 | 0.136 | 0.000275 | 0.011 | 0.0576 | 0.0000261 | 9.75 | 0.0000122 | 0.00054 | 0.000145 | 0.00637 | 0.0295 |
| 2040 Aug | 50.8 | 0.000664 | 0.000664 | 0.000133 | 4.68 | 0.349 | 25.1 | 0.0000142 | 0.146 | 0.000273 | 0.0112 | 0.0611 | 0.000027 | 10.1 | 0.0000128 | 0.000576 | 0.000136 | 0.00684 | 0.0301 |
| 2040 Sep | 53 | 0.000977 | 0.000302 | 0.0000605 | 4.48 | 0.382 | 27.3 | 0.0000149 | 0.16 | 0.000263 | 0.0115 | 0.0664 | 0.0000281 | 10.7 | 0.0000137 | 0.000627 | 0.00014 | 0.00751 | 0.0308 |
| 2040 Oct | 55.7 | 0.000141 | 0.000104 | 0.0000146 | 4.52 | 0.412 | 29.4 | 0.0000156 | 0.173 | 0.000265 | 0.012 | 0.0715 | 0.0000295 | 11.3 | 0.0000147 | 0.000676 | 0.000148 | 0.00813 | 0.0322 |
| 2040 Nov | 55.8 | 0.000256 | 0.000195 | 0.0000274 | 4.59 | 0.409 | 29.2 | 0.0000156 | 0.172 | 0.000269 | 0.012 | 0.0711 | 0.0000295 | 11.3 | 0.0000147 | 0.000671 | 0.000149 | 0.00807 | 0.0321 |
| 2040 Dec | 55.4 | 0.000383 | 0.000237 | 0.0000341 | 4.58 | 0.404 | 28.9 | 0.0000155 | 0.17 | 0.000268 | 0.0119 | 0.0703 | 0.0000292 | 11.2 | 0.0000146 | 0.000664 | 0.000148 | 0.00797 | 0.0318 |
| 2041 Jan | 55.1 | 0.000463 | 0.000268 | 0.0000377 | 4.56 | 0.401 | 28.7 | 0.0000154 | 0.169 | 0.000268 | 0.0119 | 0.0698 | 0.0000291 | 11.1 | 0.0000145 | 0.000659 | 0.000147 | 0.00791 | 0.0315 |
| 2041 Feb | 55 | 0.000504 | 0.000283 | 0.0000395 | 4.56 | 0.4 | 28.6 | 0.0000154 | 0.168 | 0.000268 | 0.0119 | 0.0696 | 0.000029 | 11.1 | 0.0000145 | 0.000657 | 0.000147 | 0.00788 | 0.0314 |
| 2041 Mar | 55.2 | 0.000531 | 0.000295 | 0.0000408 | 4.58 | 0.401 | 28.7 | 0.0000155 | 0.169 | 0.000269 | 0.0119 | 0.0698 | 0.0000291 | 11.1 | 0.0000145 | 0.000659 | 0.000148 | 0.00791 | 0.0316 |
| 2041 Apr | 55.8 | 0.000549 | 0.000304 | 0.0000418 | 4.63 | 0.405 | 29 | 0.0000156 | 0.17 | 0.000272 | 0.012 | 0.0705 | 0.0000294 | 11.2 | 0.0000147 | 0.000665 | 0.000149 | 0.00798 | 0.0319 |
| 2041 May | 64.2 | 0.00061 | 0.000269 | 0.0000419 | 5.28 | 0.468 | 33.5 | 0.000018 | 0.196 | 0.000311 | 0.0138 | 0.0814 | 0.0000339 | 12.9 | 0.0000168 | 0.000768 | 0.000171 | 0.00922 | 0.0367 |
| 2041 Jun | 46.4 | 0.00642 | 0.00293 | 0.000309 | 6.09 | 0.233 | 17.6 | 0.000011 | 0.0895 | 0.000307 | 0.00914 | 0.0427 | 0.0000211 | 8.58 | 0.000009 | 0.000376 | 0.000124 | 0.0043 | 0.0194 |
| 2041 Jul | 43.5 | 0.00149 | 0.0013 | 0.000245 | 4.61 | 0.268 | 19.5 | 0.0000121 | 0.11 | 0.000265 | 0.00981 | 0.0476 | 0.000023 | 8.48 | 0.0000103 | 0.000444 | 0.000134 | 0.00517 | 0.0264 |
| 2041 Aug | 48.9 | 0.000641 | 0.000641 | 0.000128 | 4.5 | 0.336 | 24.1 | 0.0000137 | 0.14 | 0.000262 | 0.0108 | 0.0587 | 0.0000259 | 9.75 | 0.0000123 | 0.000553 | 0.000131 | 0.00657 | 0.0289 |
| 2041 Sep | 45.3 | 0.00391 | 0.00104 | 0.000208 | 4.5 | 0.288 | 21 | 0.0000125 | 0.118 | 0.000261 | 0.0101 | 0.0506 | 0.0000238 | 8.86 | 0.0000109 | 0.000476 | 0.000119 | 0.00558 | 0.0264 |
| 2041 Oct | 55.4 | 0.00079 | 0.000482 | 0.0000708 | 4.81 | 0.394 | 28.3 | 0.0000154 | 0.165 | 0.000278 | 0.0119 | 0.0686 | 0.0000291 | 11.1 | 0.0000145 | 0.000647 | 0.00015 | 0.00774 | 0.0316 |
| 2041 Nov | 47.8 | 0.000421 | 0.000432 | 0.0000569 | 4.15 | 0.34 | 24.4 | 0.0000133 | 0.142 | 0.00024 | 0.0103 | 0.0592 | 0.000025 | 9.58 | 0.0000126 | 0.000558 | 0.00013 | 0.00669 | 0.0271 |
| 2041 Dec | 47.4 | 0.000555 | 0.000474 | 0.0000637 | 4.14 | 0.336 | 24.1 | 0.0000131 | 0.14 | 0.00024 | 0.0102 | 0.0585 | 0.0000248 | 9.49 | 0.0000125 | 0.000551 | 0.000129 | 0.0066 | 0.0268 |
| 2042 Jan | 47.2 | 0.000639 | 0.000505 | 0.0000672 | 4.13 | 0.333 | 23.9 | 0.0000131 | 0.139 | 0.000239 | 0.0102 | 0.0581 | 0.0000247 | 9.44 | 0.0000124 | 0.000547 | 0.000128 | 0.00655 | 0.0266 |
| 2042 Feb | 47.1 | 0.000682 | 0.00052 | 0.000069 | 4.12 | 0.332 | 23.8 | 0.000013 | 0.139 | 0.000239 | 0.0101 | 0.0578 | 0.0000246 | 9.41 | 0.0000124 | 0.000545 | 0.000128 | 0.00652 | 0.0265 |
| 2042 Mar | 47.1 | 0.00071 | 0.000532 | 0.0000702 | 4.13 | 0.332 | 23.8 | 0.0000131 | 0.139 | 0.00024 | 0.0102 | 0.0579 | 0.0000247 | 9.42 | 0.0000124 | 0.000545 | 0.000128 | 0.00652 | 0.0265 |
| 2042 Apr | 48.5 | 0.000745 | 0.000554 | 0.0000729 | 4.26 | 0.342 | 24.5 | 0.0000134 | 0.143 | 0.000247 | 0.0105 | 0.0596 | 0.0000254 | 9.7 | 0.0000127 | 0.000561 | 0.000132 | 0.00671 | 0.0273 |
| 2042 May | 55.5 | 0.00143 | 0.000642 | 0.000103 | 4.87 | 0.385 | 27.7 | 0.0000153 | 0.16 | 0.000285 | 0.0119 | 0.0672 | 0.0000289 | 11 | 0.0000142 | 0.000631 | 0.000148 | 0.00753 | 0.0307 |
| 2042 Jun | 47.9 | 0.00619 | 0.00275 | 0.000303 | 6.06 | 0.248 | 18.6 | 0.0000116 | 0.0963 | 0.000311 | 0.00955 | 0.0453 | 0.0000221 | 8.9 | 0.00000954 | 0.000402 | 0.000127 | 0.00462 | 0.0206 |
| 2042 Jul | 45.5 | 0.00166 | 0.00145 | 0.000275 | 4.91 | 0.277 | 20.2 | 0.0000126 | 0.113 | 0.000283 | 0.0103 | 0.0492 | 0.0000241 | 8.86 | 0.0000107 | 0.000458 | 0.000142 | 0.00532 | 0.0277 |
| 2042 Aug | 46.6 | 0.000925 | 0.000925 | 0.000185 | 4.61 | 0.306 | 22.1 | 0.000013 | 0.127 | 0.000267 | 0.0104 | 0.0537 | 0.0000247 | 9.21 | 0.0000114 | 0.000505 | 0.000124 | 0.00595 | 0.0278 |
| 2042 Sep | 43.7 | 0.004 | 0.00108 | 0.000216 | 4.41 | 0.274 | 20.1 | 0.0000121 | 0.113 | 0.000256 | 0.00975 | 0.0483 | 0.000023 | 8.53 | 0.0000104 | 0.000454 | 0.000115 | 0.00531 | 0.0255 |
| 2042 Oct | 53.3 | 0.000484 | 0.000573 | 0.0000732 | 4.71 | 0.376 | 27 | 0.0000147 | 0.157 | 0.000271 | 0.0114 | 0.0655 | 0.0000278 | 10.7 | 0.0000141 | 0.000617 | 0.000146 | 0.00739 | 0.0301 |
| 2042 Nov | 53 | 0.000267 | 0.000211 | 0.0000298 | 4.37 | 0.387 | 27.7 | 0.0000148 | 0.163 | 0.000256 | 0.0114 | 0.0673 | 0.000028 | 10.7 | 0.000014 | 0.000636 | 0.000142 | 0.00764 | 0.0304 |
| 2042 Dec | 52 | 0.000527 | 0.000297 | 0.0000434 | 4.33 | 0.377 | 27 | 0.0000146 | 0.158 | 0.000255 | 0.0112 | 0.0656 | 0.0000275 | 10.5 | 0.0000137 | 0.000619 | 0.000139 | 0.00743 | 0.0297 |
| 2043 Jan | 51.5 | 0.000685 | 0.000358 | 0.0000505 | 4.31 | 0.372 | 26.6 | 0.0000144 | 0.156 | 0.000254 | 0.0111 | 0.0647 | 0.0000272 | 10.4 | 0.0000135 | 0.00061 | 0.000138 | 0.00731 | 0.0293 |
| 2043 Feb | 51.3 | 0.000765 | 0.000388 | 0.000054 | 4.3 | 0.369 | 26.4 | 0.0000143 | 0.155 | 0.000254 | 0.0111 | 0.0642 | 0.000027 | 10.3 | 0.0000134 | 0.000606 | 0.000137 | 0.00726 | 0.0291 |
| 2043 Mar | 51.3 | 0.000815 | 0.000409 | 0.0000561 | 4.31 | 0.368 | 26.4 | 0.0000143 | 0.154 | 0.000254 | 0.0111 | 0.0641 | 0.000027 | 10.3 | 0.0000134 | 0.000605 | 0.000137 | 0.00725 | 0.029 |
| 2043 Apr | 54.2 | 0.000888 | 0.000444 | 0.0000605 | 4.56 | 0.389 | 27.9 | 0.0000151 | 0.163 | 0.000269 | 0.0117 | 0.0677 | 0.0000286 | 10.9 | 0.0000142 | 0.000639 | 0.000145 | 0.00765 | 0.0307 |
| 2043 May | 64.6 | 0.00111 | 0.000508 | 0.0000736 | 5.43 | 0.463 | 33.2 | 0.000018 | 0.194 | 0.000321 | 0.014 | 0.0807 | 0.000034 | 13 | 0.0000168 | 0.00076 | 0.000172 | 0.0091 | 0.0365 |
| 2043 Jun | 44.6 | 0.00788 | 0.00359 | 0.000379 | 6.49 | 0.193 | 15 | 0.00001 | 0.0708 | 0.000319 | 0.00856 | 0.0364 | 0.0000193 | 8.01 | 0.00000776 | 0.000309 | 0.000119 | 0.00345 | 0.0166 |

**Appendix D7. WT WRSF Pond**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2043 Jul | 55.1 | 0.00144 | 0.00101 | 0.000168 | 5.26 | 0.369 | 26.6 | 0.0000152 | 0.153 | 0.000301 | 0.012 | 0.0648 | 0.0000289 | 10.9 | 0.0000136 | 0.000607 | 0.000157 | 0.00718 | 0.0319 |
| 2043 Aug | 44.1 | 0.000816 | 0.000816 | 0.000163 | 4.3 | 0.292 | 21.1 | 0.0000123 | 0.121 | 0.00025 | 0.00981 | 0.0512 | 0.0000234 | 8.73 | 0.0000109 | 0.000482 | 0.000117 | 0.00569 | 0.0263 |
| 2043 Sep | 48 | 0.0029 | 0.000804 | 0.000161 | 4.52 | 0.32 | 23.2 | 0.0000134 | 0.133 | 0.000263 | 0.0106 | 0.056 | 0.0000254 | 9.5 | 0.0000119 | 0.000528 | 0.000127 | 0.00624 | 0.028 |
| 2043 Oct | 66.3 | 0.0013 | 0.000519 | 0.0000872 | 5.72 | 0.473 | 33.9 | 0.0000185 | 0.198 | 0.000333 | 0.0144 | 0.0823 | 0.0000349 | 13.3 | 0.0000173 | 0.000776 | 0.000178 | 0.00929 | 0.0382 |
| 2043 Nov | 70.4 | 0.00131 | 0.00073 | 0.000111 | 6.18 | 0.496 | 35.6 | 0.0000196 | 0.207 | 0.000359 | 0.0152 | 0.0864 | 0.0000369 | 14.1 | 0.0000184 | 0.000814 | 0.000191 | 0.00974 | 0.04 |
| 2043 Dec | 61.7 | 0.000789 | 0.000397 | 0.0000615 | 5.2 | 0.444 | 31.8 | 0.0000172 | 0.186 | 0.000305 | 0.0133 | 0.0773 | 0.0000325 | 12.4 | 0.0000162 | 0.00073 | 0.000165 | 0.00875 | 0.0352 |
| 2044 Jan | 69.4 | 0.000258 | 0.000107 | 0.0000136 | 5.57 | 0.515 | 36.7 | 0.0000195 | 0.217 | 0.000328 | 0.015 | 0.0894 | 0.0000368 | 14.1 | 0.0000183 | 0.000845 | 0.000184 | 0.0102 | 0.0401 |
| 2044 Feb | 67.4 | 0.000407 | 0.000165 | 0.0000204 | 5.43 | 0.498 | 35.6 | 0.000019 | 0.21 | 0.000321 | 0.0145 | 0.0866 | 0.0000357 | 13.7 | 0.0000178 | 0.000818 | 0.000179 | 0.00984 | 0.0388 |
| 2044 Mar | 57.3 | 0.000298 | 0.000121 | 0.0000145 | 4.6 | 0.424 | 30.3 | 0.0000161 | 0.179 | 0.000272 | 0.0124 | 0.0737 | 0.0000303 | 11.6 | 0.0000151 | 0.000696 | 0.000152 | 0.00837 | 0.033 |
| 2044 Apr | 51.2 | 0.000179 | 0.0000737 | 0.0000087 | 4.1 | 0.38 | 27.1 | 0.0000144 | 0.16 | 0.000242 | 0.011 | 0.066 | 0.0000271 | 10.4 | 0.0000135 | 0.000624 | 0.000136 | 0.0075 | 0.0295 |
| 2044 May | 67.6 | 0.000609 | 0.000188 | 0.0000351 | 5.5 | 0.495 | 35.4 | 0.0000189 | 0.208 | 0.000324 | 0.0146 | 0.0861 | 0.0000357 | 13.6 | 0.0000177 | 0.000812 | 0.000178 | 0.00975 | 0.0386 |
| 2044 Jun | 44.2 | 0.00737 | 0.00331 | 0.000358 | 6.22 | 0.199 | 15.4 | 0.0000101 | 0.0743 | 0.00031 | 0.00858 | 0.0373 | 0.0000195 | 8 | 0.00000795 | 0.000321 | 0.000118 | 0.00361 | 0.0171 |
| 2044 Jul | 52.4 | 0.000644 | 0.00053 | 0.0000969 | 4.63 | 0.368 | 26.4 | 0.0000147 | 0.154 | 0.00027 | 0.0114 | 0.0644 | 0.0000277 | 10.5 | 0.0000134 | 0.000606 | 0.000146 | 0.00722 | 0.0307 |
| 2044 Aug | 49 | 0.000962 | 0.000962 | 0.000192 | 4.82 | 0.322 | 23.3 | 0.0000137 | 0.133 | 0.00028 | 0.0109 | 0.0565 | 0.000026 | 9.68 | 0.000012 | 0.000532 | 0.000132 | 0.00626 | 0.0293 |
| 2044 Sep | 40.8 | 0.00508 | 0.00138 | 0.000277 | 4.45 | 0.238 | 17.6 | 0.0000112 | 0.0965 | 0.000257 | 0.00923 | 0.0422 | 0.0000214 | 7.85 | 0.00000934 | 0.000395 | 0.000107 | 0.00457 | 0.0239 |
| 2044 Oct | 40 | 0.00258 | 0.00257 | 0.000338 | 5.32 | 0.199 | 15 | 0.00001 | 0.0782 | 0.000283 | 0.00847 | 0.0354 | 0.0000193 | 7.39 | 0.0000103 | 0.000324 | 0.000127 | 0.00373 | 0.0199 |
| 2044 Nov | 37.1 | 0.00197 | 0.00307 | 0.000377 | 5.48 | 0.161 | 12.4 | 0.00000888 | 0.0616 | 0.000284 | 0.00768 | 0.029 | 0.0000172 | 6.67 | 0.00000987 | 0.00026 | 0.000126 | 0.00297 | 0.0169 |
| 2044 Dec | 36.8 | 0.00209 | 0.00307 | 0.000379 | 5.43 | 0.159 | 12.3 | 0.00000883 | 0.0608 | 0.000283 | 0.00764 | 0.0287 | 0.0000171 | 6.62 | 0.00000976 | 0.000257 | 0.000125 | 0.00293 | 0.0167 |
| 2045 Jan | 36.7 | 0.00218 | 0.00308 | 0.00038 | 5.41 | 0.158 | 12.2 | 0.00000879 | 0.0604 | 0.000282 | 0.00762 | 0.0285 | 0.000017 | 6.59 | 0.00000969 | 0.000256 | 0.000124 | 0.00291 | 0.0166 |
| 2045 Feb | 36.6 | 0.00222 | 0.00308 | 0.00038 | 5.4 | 0.158 | 12.1 | 0.00000878 | 0.0601 | 0.000281 | 0.00761 | 0.0284 | 0.000017 | 6.57 | 0.00000965 | 0.000255 | 0.000124 | 0.0029 | 0.0166 |
| 2045 Mar | 36.7 | 0.00225 | 0.00309 | 0.000381 | 5.4 | 0.158 | 12.2 | 0.00000879 | 0.0601 | 0.000282 | 0.00762 | 0.0284 | 0.000017 | 6.58 | 0.00000966 | 0.000255 | 0.000124 | 0.0029 | 0.0166 |
| 2045 Apr | 54.8 | 0.00219 | 0.00299 | 0.000368 | 6.75 | 0.297 | 22.1 | 0.0000139 | 0.119 | 0.000363 | 0.0115 | 0.0526 | 0.0000267 | 10.3 | 0.0000145 | 0.000484 | 0.000171 | 0.00566 | 0.0272 |
| 2045 May | 72.2 | 0.00164 | 0.00222 | 0.000274 | 7.52 | 0.456 | 33.2 | 0.0000192 | 0.188 | 0.000417 | 0.0154 | 0.08 | 0.0000365 | 14 | 0.0000191 | 0.000746 | 0.000211 | 0.00885 | 0.0385 |
| 2045 Jun | 48.7 | 0.004 | 0.00205 | 0.000221 | 5.54 | 0.284 | 20.9 | 0.0000123 | 0.114 | 0.000293 | 0.00996 | 0.0509 | 0.0000235 | 9.3 | 0.000011 | 0.000463 | 0.000132 | 0.00543 | 0.0233 |
| 2045 Jul | 59.2 | 0.00133 | 0.000829 | 0.000126 | 5.42 | 0.408 | 29.3 | 0.0000164 | 0.17 | 0.000311 | 0.0128 | 0.0715 | 0.0000309 | 11.8 | 0.0000148 | 0.00067 | 0.000164 | 0.00798 | 0.0338 |
| 2045 Aug | 52.7 | 0.000421 | 0.000421 | 0.0000842 | 4.6 | 0.374 | 26.8 | 0.0000148 | 0.157 | 0.000269 | 0.0115 | 0.0652 | 0.0000279 | 10.6 | 0.0000135 | 0.000615 | 0.00014 | 0.00735 | 0.0309 |
| 2045 Sep | 49.3 | 0.00273 | 0.000842 | 0.000168 | 4.67 | 0.328 | 23.8 | 0.0000137 | 0.136 | 0.000272 | 0.0109 | 0.0575 | 0.000026 | 9.76 | 0.0000122 | 0.000541 | 0.00013 | 0.0064 | 0.0288 |
| 2045 Oct | 49 | 0.000999 | 0.000309 | 0.0000575 | 4.16 | 0.352 | 25.2 | 0.0000137 | 0.147 | 0.000244 | 0.0106 | 0.0613 | 0.0000259 | 9.86 | 0.0000127 | 0.000578 | 0.00013 | 0.00692 | 0.0284 |
| 2045 Nov | 78.1 | 0.00167 | 0.000571 | 0.000103 | 6.68 | 0.557 | 40 | 0.0000218 | 0.233 | 0.000391 | 0.0169 | 0.0971 | 0.0000412 | 15.7 | 0.0000203 | 0.000916 | 0.000208 | 0.011 | 0.045 |
| 2045 Dec | 100 | 0.00276 | 0.00095 | 0.000163 | 8.65 | 0.708 | 50.9 | 0.000028 | 0.296 | 0.000509 | 0.0218 | 0.124 | 0.0000529 | 20.1 | 0.0000258 | 0.00117 | 0.000267 | 0.0139 | 0.0573 |
| 2046 Jan | 95.7 | 0.00314 | 0.00111 | 0.000179 | 8.32 | 0.67 | 48.2 | 0.0000267 | 0.28 | 0.000492 | 0.0208 | 0.117 | 0.0000505 | 19.1 | 0.0000245 | 0.0011 | 0.000255 | 0.0132 | 0.0544 |
| 2046 Feb | 93.6 | 0.00332 | 0.00118 | 0.000186 | 8.17 | 0.653 | 47 | 0.0000261 | 0.272 | 0.000483 | 0.0204 | 0.114 | 0.0000494 | 18.7 | 0.0000239 | 0.00107 | 0.000249 | 0.0128 | 0.053 |
| 2046 Mar | 94.6 | 0.0035 | 0.00126 | 0.000194 | 8.28 | 0.658 | 47.4 | 0.0000264 | 0.274 | 0.00049 | 0.0206 | 0.115 | 0.0000499 | 18.9 | 0.0000241 | 0.00108 | 0.000251 | 0.0129 | 0.0535 |
| 2046 Apr | 103 | 0.00388 | 0.0014 | 0.000214 | 8.98 | 0.712 | 51.3 | 0.0000286 | 0.297 | 0.000532 | 0.0224 | 0.124 | 0.000054 | 20.4 | 0.0000261 | 0.00117 | 0.000273 | 0.014 | 0.0579 |
| 2046 May | 171 | 0.00175 | 0.00063 | 0.0000968 | 13.9 | 1.25 | 89.4 | 0.0000479 | 0.526 | 0.000823 | 0.0369 | 0.218 | 0.0000904 | 34.5 | 0.0000448 | 0.00205 | 0.000453 | 0.0247 | 0.0983 |
| 2046 Jun | 44.5 | 0.00409 | 0.00186 | 0.000197 | 5.06 | 0.26 | 19.2 | 0.0000112 | 0.104 | 0.000266 | 0.00906 | 0.0467 | 0.0000214 | 8.51 | 0.00000971 | 0.000423 | 0.000119 | 0.00495 | 0.0211 |

**Appendix D7. WT WRSF Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000771 | 1.96 | 0.000972 | 1.69 | 0.00939 | 0.000869 | 0.895 | 0.00133 | 0.00149 | 0.0000418 | 0.000383 | 0.0000961 | 0.0269 | 0.00000901 | 0.000401 | 0.000658 | 0.0027 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.000017 | 12.2 | 0.00272 | 8.58 | 0.191 | 0.00286 | 2.67 | 0.0196 | 0.0031 | 0.000239 | 0.00766 | 0.000557 | 0.0941 | 0.0000212 | 0.00156 | 0.0027 | 0.00442 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.0000432 | 43.7 | 0.00746 | 36.1 | 0.811 | 0.00811 | 7.3 | 0.0642 | 0.00718 | 0.000739 | 0.0177 | 0.00161 | 0.333 | 0.0000452 | 0.00478 | 0.00514 | 0.00971 |
| | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000703 | 1.42 | 0.000896 | 1.39 | 0.00757 | 0.000695 | 0.603 | 0.00113 | 0.00154 | 0.0000393 | 0.000248 | 0.0000749 | 0.0209 | 0.00000842 | 0.00031 | 0.000539 | 0.00255 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.0000335 | 5.69 | 0.00275 | 2.15 | 0.0379 | 0.00517 | 0.813 | 0.00478 | 0.00307 | 0.000203 | 0.00151 | 0.000371 | 0.0355 | 0.0000233 | 0.00226 | 0.00208 | 0.00734 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.000128 | 21.1 | 0.01 | 6.64 | 0.147 | 0.0202 | 2.12 | 0.0179 | 0.0102 | 0.00103 | 0.00581 | 0.00141 | 0.111 | 0.0000839 | 0.00884 | 0.00779 | 0.026 |
| | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2046) | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.0000166 | 13.1 | 0.00316 | 7.57 | 0.236 | 0.00307 | 3.08 | 0.0255 | 0.00395 | 0.000256 | 0.0156 | 0.000936 | 0.091 | 0.000025 | 0.0018 | 0.00456 | 0.00414 |
| 2024 Feb | 0.0000164 | 12.9 | 0.00312 | 7.48 | 0.233 | 0.00304 | 3.04 | 0.0251 | 0.00392 | 0.000253 | 0.0153 | 0.000923 | 0.0899 | 0.0000247 | 0.00178 | 0.0045 | 0.00411 |
| 2024 Mar | 0.0000165 | 12.9 | 0.00314 | 7.5 | 0.233 | 0.00305 | 3.05 | 0.0252 | 0.00394 | 0.000254 | 0.0153 | 0.000925 | 0.0902 | 0.0000248 | 0.00178 | 0.00451 | 0.00413 |
| 2024 Apr | 0.0000168 | 13.1 | 0.00318 | 7.61 | 0.236 | 0.00309 | 3.1 | 0.0255 | 0.00402 | 0.000257 | 0.0156 | 0.000938 | 0.0915 | 0.0000252 | 0.00181 | 0.00457 | 0.0042 |
| 2024 May | 0.0000183 | 12.7 | 0.00323 | 7.28 | 0.216 | 0.00322 | 3.12 | 0.0243 | 0.00409 | 0.000231 | 0.0148 | 0.000879 | 0.09 | 0.0000264 | 0.00182 | 0.0045 | 0.00465 |
| 2024 Jun | 0.0000151 | 9.8 | 0.00252 | 4.71 | 0.122 | 0.00255 | 2.79 | 0.0194 | 0.00337 | 0.0000548 | 0.0129 | 0.00053 | 0.0703 | 0.0000242 | 0.00133 | 0.0039 | 0.00363 |
| 2024 Jul | 0.0000166 | 11.1 | 0.00279 | 4.92 | 0.145 | 0.00293 | 2.9 | 0.0227 | 0.00304 | 0.0000558 | 0.0153 | 0.000615 | 0.0731 | 0.0000268 | 0.00153 | 0.00451 | 0.00373 |
| 2024 Aug | 0.0000167 | 11.1 | 0.0028 | 4.89 | 0.144 | 0.00294 | 2.9 | 0.0227 | 0.00302 | 0.0000561 | 0.0153 | 0.000616 | 0.0733 | 0.0000269 | 0.00154 | 0.00452 | 0.00375 |
| 2024 Sep | 0.0000166 | 11.4 | 0.00282 | 4.98 | 0.149 | 0.00298 | 2.95 | 0.0234 | 0.00301 | 0.0000546 | 0.0158 | 0.000633 | 0.0744 | 0.0000271 | 0.00156 | 0.00464 | 0.00365 |
| 2024 Oct | 0.0000179 | 12.7 | 0.00307 | 5.5 | 0.166 | 0.00325 | 3.25 | 0.0261 | 0.00323 | 0.000164 | 0.0177 | 0.0007 | 0.082 | 0.0000295 | 0.00171 | 0.00514 | 0.00398 |
| 2024 Nov | 0.0000136 | 8.14 | 0.00217 | 3.86 | 0.101 | 0.00226 | 2.24 | 0.0159 | 0.00248 | 0.000403 | 0.0106 | 0.000446 | 0.0584 | 0.0000208 | 0.00116 | 0.00325 | 0.00378 |
| 2024 Dec | 0.0000136 | 8.23 | 0.00218 | 3.87 | 0.102 | 0.00227 | 2.25 | 0.0162 | 0.00249 | 0.000366 | 0.0107 | 0.000451 | 0.0584 | 0.0000209 | 0.00117 | 0.0033 | 0.0037 |
| 2025 Jan | 0.0000135 | 8.14 | 0.00216 | 3.83 | 0.101 | 0.00225 | 2.23 | 0.016 | 0.00248 | 0.00036 | 0.0106 | 0.000446 | 0.0578 | 0.0000207 | 0.00116 | 0.00326 | 0.00367 |
| 2025 Feb | 0.0000135 | 8.09 | 0.00215 | 3.82 | 0.1 | 0.00224 | 2.22 | 0.0159 | 0.00248 | 0.000358 | 0.0105 | 0.000443 | 0.0575 | 0.0000206 | 0.00115 | 0.00324 | 0.00366 |
| 2025 Mar | 0.0000134 | 8.06 | 0.00215 | 3.81 | 0.1 | 0.00223 | 2.22 | 0.0158 | 0.00247 | 0.000357 | 0.0105 | 0.000442 | 0.0574 | 0.0000205 | 0.00115 | 0.00323 | 0.00366 |
| 2025 Apr | 0.0000136 | 8.14 | 0.00217 | 3.84 | 0.101 | 0.00225 | 2.24 | 0.016 | 0.00251 | 0.00036 | 0.0106 | 0.000446 | 0.0579 | 0.0000207 | 0.00116 | 0.00326 | 0.00369 |
| 2025 May | 0.0000163 | 9.92 | 0.00261 | 4.69 | 0.122 | 0.00273 | 2.7 | 0.0194 | 0.00302 | 0.000414 | 0.0128 | 0.000539 | 0.0703 | 0.0000249 | 0.0014 | 0.00393 | 0.00439 |
| 2025 Jun | 0.0000113 | 5.89 | 0.00164 | 3.52 | 0.0523 | 0.0017 | 1.83 | 0.00967 | 0.00282 | 0.0000629 | 0.00541 | 0.000275 | 0.0504 | 0.0000151 | 0.000835 | 0.00194 | 0.00307 |
| 2025 Jul | 0.000017 | 9.73 | 0.00265 | 5.45 | 0.0935 | 0.00258 | 2.75 | 0.0172 | 0.00332 | 0.0000699 | 0.00971 | 0.000462 | 0.0759 | 0.0000245 | 0.0013 | 0.00329 | 0.00461 |
| 2025 Aug | 0.0000129 | 5.77 | 0.00179 | 3.26 | 0.0522 | 0.00186 | 1.66 | 0.0094 | 0.00227 | 0.000053 | 0.00518 | 0.000283 | 0.0471 | 0.0000164 | 0.000904 | 0.00198 | 0.00354 |
| 2025 Sep | 0.0000103 | 2.01 | 0.00122 | 1.71 | 0.00939 | 0.00113 | 0.95 | 0.00133 | 0.00189 | 0.0000518 | 0.000383 | 0.000118 | 0.0279 | 0.0000113 | 0.000499 | 0.000758 | 0.00342 |
| 2025 Oct | 0.00000798 | 1.96 | 0.000972 | 1.69 | 0.0097 | 0.000894 | 0.895 | 0.00185 | 0.00149 | 0.000686 | 0.000627 | 0.0000961 | 0.0272 | 0.00000901 | 0.000401 | 0.000658 | 0.00355 |
| 2025 Nov | 0.00000926 | 4.02 | 0.00128 | 2.54 | 0.033 | 0.00128 | 1.29 | 0.00617 | 0.00169 | 0.000626 | 0.00329 | 0.00019 | 0.0378 | 0.0000118 | 0.000615 | 0.00133 | 0.00349 |
| 2025 Dec | 0.00000923 | 3.98 | 0.00127 | 2.52 | 0.0326 | 0.00127 | 1.28 | 0.0061 | 0.0017 | 0.000617 | 0.00325 | 0.000188 | 0.0375 | 0.0000117 | 0.000611 | 0.00132 | 0.00347 |
| 2026 Jan | 0.0000092 | 3.96 | 0.00127 | 2.51 | 0.0324 | 0.00126 | 1.27 | 0.00605 | 0.0017 | 0.000611 | 0.00322 | 0.000187 | 0.0373 | 0.0000117 | 0.000608 | 0.00131 | 0.00346 |
| 2026 Feb | 0.00000918 | 3.94 | 0.00127 | 2.5 | 0.0322 | 0.00126 | 1.27 | 0.00602 | 0.0017 | 0.000608 | 0.0032 | 0.000186 | 0.0372 | 0.0000117 | 0.000606 | 0.00131 | 0.00346 |
| 2026 Mar | 0.00000923 | 3.96 | 0.00127 | 2.51 | 0.0323 | 0.00127 | 1.27 | 0.00604 | 0.00171 | 0.00061 | 0.00321 | 0.000187 | 0.0374 | 0.0000117 | 0.000609 | 0.00131 | 0.00347 |
| 2026 Apr | 0.00000947 | 4.06 | 0.0013 | 2.58 | 0.0332 | 0.0013 | 1.31 | 0.0062 | 0.00176 | 0.000626 | 0.0033 | 0.000192 | 0.0383 | 0.000012 | 0.000625 | 0.00135 | 0.00356 |
| 2026 May | 0.0000111 | 5.37 | 0.00157 | 3.46 | 0.0517 | 0.00161 | 1.58 | 0.00821 | 0.00203 | 0.000642 | 0.00398 | 0.000247 | 0.0478 | 0.0000141 | 0.000792 | 0.00161 | 0.00395 |
| 2026 Jun | 0.00000771 | 3.29 | 0.00112 | 3.04 | 0.0277 | 0.000869 | 1.45 | 0.00375 | 0.00291 | 0.0000418 | 0.00102 | 0.000129 | 0.0411 | 0.00000995 | 0.000427 | 0.000774 | 0.0027 |
| 2026 Jul | 0.000011 | 2.34 | 0.00133 | 2.2 | 0.0111 | 0.00117 | 1.22 | 0.00206 | 0.00265 | 0.0000573 | 0.000401 | 0.000117 | 0.0334 | 0.0000124 | 0.000518 | 0.000819 | 0.00376 |
| 2026 Aug | 0.0000104 | 2.12 | 0.00123 | 1.7 | 0.0122 | 0.00118 | 0.921 | 0.00183 | 0.00189 | 0.0000515 | 0.000446 | 0.000115 | 0.0269 | 0.0000113 | 0.000524 | 0.000777 | 0.00341 |
| 2026 Sep | 0.0000116 | 3 | 0.00142 | 2.33 | 0.0238 | 0.00139 | 1.12 | 0.00289 | 0.00208 | 0.0000556 | 0.00088 | 0.000159 | 0.0344 | 0.0000128 | 0.000638 | 0.000953 | 0.0037 |
| 2026 Oct | 0.0000173 | 12.2 | 0.00272 | 8.41 | 0.171 | 0.003 | 2.61 | 0.0182 | 0.00283 | 0.0000838 | 0.00599 | 0.000524 | 0.0924 | 0.000021 | 0.00162 | 0.00248 | 0.0042 |
| 2026 Nov | 0.0000176 | 12.3 | 0.00275 | 8.46 | 0.171 | 0.00303 | 2.64 | 0.0183 | 0.00289 | 0.000105 | 0.006 | 0.000526 | 0.0931 | 0.0000213 | 0.00163 | 0.00249 | 0.00431 |
| 2026 Dec | 0.0000173 | 12 | 0.0027 | 8.28 | 0.167 | 0.00297 | 2.59 | 0.0178 | 0.00287 | 0.000104 | 0.00586 | 0.000515 | 0.0913 | 0.0000209 | 0.0016 | 0.00245 | 0.00427 |
| 2027 Jan | 0.0000172 | 11.9 | 0.00268 | 8.18 | 0.165 | 0.00294 | 2.56 | 0.0176 | 0.00286 | 0.000103 | 0.00578 | 0.000509 | 0.0902 | 0.0000208 | 0.00158 | 0.00242 | 0.00424 |
| 2027 Feb | 0.0000171 | 11.8 | 0.00266 | 8.13 | 0.164 | 0.00293 | 2.55 | 0.0175 | 0.00285 | 0.000102 | 0.00574 | 0.000506 | 0.0897 | 0.0000207 | 0.00157 | 0.0024 | 0.00422 |
| 2027 Mar | 0.0000171 | 11.8 | 0.00267 | 8.14 | 0.164 | 0.00293 | 2.55 | 0.0175 | 0.00285 | 0.000102 | 0.00574 | 0.000506 | 0.0898 | 0.0000207 | 0.00157 | 0.00241 | 0.00423 |
| 2027 Apr | 0.0000181 | 12.5 | 0.00281 | 8.59 | 0.173 | 0.00309 | 2.7 | 0.0185 | 0.00303 | 0.000108 | 0.00606 | 0.000534 | 0.0948 | 0.0000218 | 0.00166 | 0.00254 | 0.00447 |
| 2027 May | 0.000021 | 15.9 | 0.00335 | 11.5 | 0.241 | 0.00368 | 3.23 | 0.0235 | 0.00349 | 0.000114 | 0.00689 | 0.000657 | 0.121 | 0.0000248 | 0.00201 | 0.00283 | 0.00509 |
| 2027 Jun | 0.0000128 | 9.37 | 0.00194 | 7.9 | 0.156 | 0.00205 | 2 | 0.013 | 0.00285 | 0.000048 | 0.00249 | 0.000352 | 0.0799 | 0.0000135 | 0.00113 | 0.00121 | 0.00332 |
| 2027 Jul | 0.0000142 | 12.9 | 0.00243 | 10.8 | 0.233 | 0.00241 | 2.41 | 0.0187 | 0.00256 | 0.0000525 | 0.00356 | 0.000477 | 0.103 | 0.0000159 | 0.00141 | 0.00148 | 0.00363 |
| 2027 Aug | 0.0000169 | 15.1 | 0.00278 | 12.4 | 0.275 | 0.00299 | 2.64 | 0.0219 | 0.0027 | 0.0000564 | 0.00423 | 0.000566 | 0.118 | 0.0000177 | 0.00172 | 0.00173 | 0.00399 |
| 2027 Sep | 0.0000108 | 4.75 | 0.00145 | 3.94 | 0.0679 | 0.00145 | 1.23 | 0.00579 | 0.00188 | 0.0000476 | 0.00121 | 0.000209 | 0.0451 | 0.0000116 | 0.000732 | 0.000903 | 0.00321 |
| 2027 Oct | 0.0000103 | 2.81 | 0.00124 | 2.44 | 0.0228 | 0.00121 | 1.09 | 0.0027 | 0.00183 | 0.000739 | 0.000605 | 0.000133 | 0.0354 | 0.0000111 | 0.000558 | 0.00078 | 0.00425 |
| 2027 Nov | 0.0000339 | 35.6 | 0.00594 | 29.3 | 0.664 | 0.00646 | 5.84 | 0.0524 | 0.00532 | 0.000224 | 0.0101 | 0.0013 | 0.27 | 0.0000354 | 0.00384 | 0.00369 | 0.00752 |
| 2027 Dec | 0.0000399 | 41.6 | 0.00697 | 34.3 | 0.776 | 0.00759 | 6.85 | 0.0613 | 0.00635 | 0.000205 | 0.0118 | 0.00153 | 0.315 | 0.0000417 | 0.00451 | 0.00433 | 0.0088 |
| 2028 Jan | 0.0000367 | 37.7 | 0.00637 | 31.1 | 0.701 | 0.00693 | 6.24 | 0.0554 | 0.00591 | 0.000189 | 0.0107 | 0.00139 | 0.286 | 0.0000384 | 0.0041 | 0.00396 | 0.00817 |
| 2028 Feb | 0.0000353 | 36 | 0.00611 | 29.7 | 0.669 | 0.00665 | 5.98 | 0.0529 | 0.00572 | 0.000181 | 0.0102 | 0.00132 | 0.274 | 0.0000369 | 0.00393 | 0.0038 | 0.00789 |
| 2028 Mar | 0.0000347 | 35.2 | 0.00599 | 29 | 0.653 | 0.00651 | 5.86 | 0.0517 | 0.00563 | 0.000178 | 0.00994 | 0.0013 | 0.268 | 0.0000363 | 0.00385 | 0.00372 | 0.00777 |

**Appendix D7. WT WRSF Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Apr | 0.0000354 | 35.8 | 0.00611 | 29.6 | 0.665 | 0.00664 | 5.98 | 0.0526 | 0.00582 | 0.000182 | 0.0101 | 0.00132 | 0.272 | 0.000037 | 0.00392 | 0.00379 | 0.00794 |
| 2028 May | 0.0000432 | 43.7 | 0.00746 | 36.1 | 0.811 | 0.00811 | 7.3 | 0.0642 | 0.00718 | 0.000222 | 0.0123 | 0.00161 | 0.333 | 0.0000452 | 0.00478 | 0.00464 | 0.00971 |
| 2028 Jun | 0.0000173 | 4.7 | 0.00172 | 3.19 | 0.0476 | 0.00254 | 1.16 | 0.00493 | 0.00282 | 0.0000622 | 0.00115 | 0.000234 | 0.0412 | 0.0000143 | 0.00116 | 0.0012 | 0.00423 |
| 2028 Jul | 0.0000156 | 3.49 | 0.00202 | 3.61 | 0.0152 | 0.0015 | 2.04 | 0.00307 | 0.00432 | 0.0000892 | 0.000544 | 0.000166 | 0.0545 | 0.000019 | 0.00067 | 0.00121 | 0.00576 |
| 2028 Aug | 0.0000119 | 2.41 | 0.00143 | 2.08 | 0.0117 | 0.00129 | 1.17 | 0.00195 | 0.00246 | 0.0000615 | 0.000438 | 0.000128 | 0.0334 | 0.0000133 | 0.00057 | 0.000886 | 0.00404 |
| 2028 Sep | 0.00000926 | 1.81 | 0.00109 | 1.5 | 0.00866 | 0.00103 | 0.836 | 0.00127 | 0.0017 | 0.0000463 | 0.000346 | 0.000104 | 0.0246 | 0.0000101 | 0.000455 | 0.000681 | 0.00306 |
| 2028 Oct | 0.0000128 | 2.5 | 0.00135 | 1.82 | 0.0126 | 0.00162 | 0.935 | 0.0019 | 0.00193 | 0.00045 | 0.000531 | 0.000143 | 0.0297 | 0.0000122 | 0.000711 | 0.000893 | 0.00429 |
| 2028 Nov | 0.000012 | 2.32 | 0.00118 | 1.52 | 0.0123 | 0.00161 | 0.737 | 0.0019 | 0.00158 | 0.000598 | 0.000522 | 0.000131 | 0.0249 | 0.0000105 | 0.000709 | 0.000806 | 0.00398 |
| 2028 Dec | 0.0000119 | 2.3 | 0.00117 | 1.51 | 0.0122 | 0.00159 | 0.736 | 0.00188 | 0.00159 | 0.000587 | 0.000517 | 0.00013 | 0.0247 | 0.0000104 | 0.000701 | 0.0008 | 0.00394 |
| 2029 Jan | 0.0000118 | 2.29 | 0.00116 | 1.51 | 0.0121 | 0.00158 | 0.735 | 0.00187 | 0.00159 | 0.00058 | 0.000513 | 0.000129 | 0.0246 | 0.0000104 | 0.000696 | 0.000796 | 0.00392 |
| 2029 Feb | 0.0000118 | 2.28 | 0.00116 | 1.51 | 0.012 | 0.00158 | 0.735 | 0.00187 | 0.00159 | 0.000576 | 0.000511 | 0.000129 | 0.0246 | 0.0000103 | 0.000693 | 0.000794 | 0.00391 |
| 2029 Mar | 0.0000118 | 2.28 | 0.00116 | 1.51 | 0.012 | 0.00158 | 0.735 | 0.00186 | 0.00159 | 0.000575 | 0.000511 | 0.000128 | 0.0245 | 0.0000103 | 0.000692 | 0.000793 | 0.0039 |
| 2029 Apr | 0.0000118 | 2.3 | 0.00117 | 1.52 | 0.0121 | 0.00159 | 0.741 | 0.00188 | 0.00162 | 0.000578 | 0.000514 | 0.000129 | 0.0247 | 0.0000104 | 0.000697 | 0.000799 | 0.00393 |
| 2029 May | 0.0000168 | 3.1 | 0.00155 | 1.74 | 0.0178 | 0.00238 | 0.803 | 0.00256 | 0.00199 | 0.000573 | 0.000739 | 0.000184 | 0.0285 | 0.0000135 | 0.00104 | 0.0011 | 0.00488 |
| 2029 Jun | 0.0000427 | 7.34 | 0.00348 | 2.83 | 0.0482 | 0.00663 | 1.09 | 0.00616 | 0.00422 | 0.00012 | 0.00192 | 0.000473 | 0.0462 | 0.0000294 | 0.0029 | 0.00265 | 0.0091 |
| 2029 Jul | 0.00000703 | 1.42 | 0.000896 | 1.39 | 0.00757 | 0.000695 | 0.776 | 0.00135 | 0.00154 | 0.0000393 | 0.000248 | 0.0000749 | 0.0209 | 0.00000842 | 0.00031 | 0.000539 | 0.00255 |
| 2029 Aug | 0.0000143 | 2.67 | 0.00152 | 1.79 | 0.0148 | 0.00181 | 0.947 | 0.00213 | 0.00217 | 0.0000614 | 0.000571 | 0.000155 | 0.0295 | 0.0000137 | 0.000794 | 0.001 | 0.00419 |
| 2029 Sep | 0.0000316 | 5.29 | 0.00257 | 1.86 | 0.036 | 0.00492 | 0.666 | 0.00442 | 0.00271 | 0.000088 | 0.00142 | 0.000351 | 0.031 | 0.0000216 | 0.00215 | 0.00195 | 0.00669 |
| 2029 Oct | 0.0000455 | 7.58 | 0.00361 | 2.48 | 0.0522 | 0.00718 | 0.821 | 0.00641 | 0.00369 | 0.000222 | 0.00207 | 0.000504 | 0.0415 | 0.0000302 | 0.00314 | 0.00278 | 0.00949 |
| 2029 Nov | 0.0000626 | 10.4 | 0.00497 | 3.44 | 0.0717 | 0.00987 | 1.14 | 0.00883 | 0.00514 | 0.000305 | 0.00285 | 0.000694 | 0.0572 | 0.0000416 | 0.00432 | 0.00383 | 0.0131 |
| 2029 Dec | 0.0000379 | 6.29 | 0.00299 | 2 | 0.0436 | 0.00601 | 0.642 | 0.00533 | 0.00305 | 0.000129 | 0.00173 | 0.00042 | 0.0333 | 0.000025 | 0.00263 | 0.00232 | 0.00778 |
| 2030 Jan | 0.0000375 | 6.23 | 0.00296 | 1.99 | 0.0431 | 0.00594 | 0.642 | 0.00527 | 0.00304 | 0.000128 | 0.00171 | 0.000416 | 0.0331 | 0.0000248 | 0.0026 | 0.00229 | 0.00771 |
| 2030 Feb | 0.0000373 | 6.2 | 0.00295 | 1.98 | 0.0429 | 0.00591 | 0.643 | 0.00525 | 0.00303 | 0.000127 | 0.0017 | 0.000414 | 0.033 | 0.0000247 | 0.00258 | 0.00228 | 0.00768 |
| 2030 Mar | 0.0000374 | 6.2 | 0.00295 | 1.99 | 0.0429 | 0.00591 | 0.646 | 0.00525 | 0.00304 | 0.000127 | 0.0017 | 0.000414 | 0.0331 | 0.0000247 | 0.00258 | 0.00228 | 0.00768 |
| 2030 Apr | 0.0000379 | 6.3 | 0.003 | 2.02 | 0.0435 | 0.006 | 0.657 | 0.00533 | 0.0031 | 0.000129 | 0.00173 | 0.00042 | 0.0336 | 0.0000251 | 0.00262 | 0.00232 | 0.0078 |
| 2030 May | 0.000045 | 7.48 | 0.00356 | 2.4 | 0.0517 | 0.00712 | 0.78 | 0.00633 | 0.00369 | 0.000153 | 0.00205 | 0.000499 | 0.0399 | 0.0000298 | 0.00311 | 0.00275 | 0.00926 |
| 2030 Jun | 0.0000134 | 2.77 | 0.00132 | 2 | 0.0132 | 0.00179 | 1.04 | 0.00221 | 0.00278 | 0.0000517 | 0.000551 | 0.000146 | 0.0311 | 0.0000118 | 0.000784 | 0.000902 | 0.00361 |
| 2030 Jul | 0.0000169 | 3.09 | 0.0016 | 1.81 | 0.0186 | 0.00235 | 0.877 | 0.00268 | 0.00235 | 0.0000611 | 0.000713 | 0.000185 | 0.0283 | 0.0000141 | 0.00103 | 0.00112 | 0.00433 |
| 2030 Aug | 0.0000112 | 2.17 | 0.00131 | 1.76 | 0.0115 | 0.00126 | 0.974 | 0.00181 | 0.00203 | 0.0000557 | 0.00042 | 0.00012 | 0.0282 | 0.0000121 | 0.000556 | 0.000823 | 0.00369 |
| 2030 Sep | 0.0000091 | 1.78 | 0.00107 | 1.44 | 0.0086 | 0.00102 | 0.805 | 0.00128 | 0.00166 | 0.0000454 | 0.00034 | 0.0001 | 0.0238 | 0.00000989 | 0.000449 | 0.000669 | 0.00301 |
| 2030 Oct | 0.0000105 | 2.23 | 0.00122 | 1.96 | 0.00958 | 0.00117 | 1.05 | 0.00172 | 0.00189 | 0.000723 | 0.000423 | 0.000114 | 0.032 | 0.0000113 | 0.000516 | 0.000767 | 0.00437 |
| 2030 Nov | 0.0000111 | 2.43 | 0.00129 | 2.17 | 0.0101 | 0.00124 | 1.14 | 0.00194 | 0.00206 | 0.00103 | 0.000461 | 0.000119 | 0.0351 | 0.0000119 | 0.000548 | 0.000809 | 0.00498 |
| 2030 Dec | 0.0000107 | 2.33 | 0.00124 | 2.07 | 0.00968 | 0.0012 | 1.1 | 0.00185 | 0.00205 | 0.000932 | 0.000442 | 0.000115 | 0.0333 | 0.0000115 | 0.000529 | 0.000781 | 0.00472 |
| 2031 Jan | 0.0000105 | 2.28 | 0.00122 | 2.03 | 0.0095 | 0.00118 | 1.07 | 0.00181 | 0.00204 | 0.000888 | 0.000433 | 0.000113 | 0.0325 | 0.0000113 | 0.000519 | 0.000767 | 0.0046 |
| 2031 Feb | 0.0000104 | 2.26 | 0.00121 | 2.01 | 0.00941 | 0.00117 | 1.06 | 0.00179 | 0.00203 | 0.000867 | 0.000428 | 0.000112 | 0.0321 | 0.0000112 | 0.000515 | 0.00076 | 0.00454 |
| 2031 Mar | 0.0000103 | 2.25 | 0.00121 | 2 | 0.00937 | 0.00116 | 1.06 | 0.00178 | 0.00203 | 0.000856 | 0.000426 | 0.000111 | 0.0319 | 0.0000111 | 0.000513 | 0.000757 | 0.00451 |
| 2031 Apr | 0.0000165 | 3.2 | 0.00164 | 2.13 | 0.0168 | 0.0022 | 1.05 | 0.0026 | 0.00239 | 0.000766 | 0.000713 | 0.00018 | 0.0343 | 0.0000146 | 0.000966 | 0.00112 | 0.00545 |
| 2031 May | 0.0000389 | 6.55 | 0.00314 | 2.32 | 0.0442 | 0.00607 | 0.841 | 0.00555 | 0.00331 | 0.000142 | 0.00176 | 0.00043 | 0.0378 | 0.0000264 | 0.00266 | 0.0024 | 0.00822 |
| 2031 Jun | 0.00000975 | 2.45 | 0.00118 | 2.47 | 0.00792 | 0.00104 | 1.4 | 0.00188 | 0.00332 | 0.0000508 | 0.000357 | 0.000104 | 0.0378 | 0.000011 | 0.00046 | 0.000728 | 0.00334 |
| 2031 Jul | 0.0000131 | 3.21 | 0.00161 | 3.25 | 0.0112 | 0.00138 | 1.84 | 0.00254 | 0.0043 | 0.0000695 | 0.000477 | 0.00014 | 0.0496 | 0.000015 | 0.000609 | 0.000986 | 0.00455 |
| 2031 Aug | 0.0000115 | 2.47 | 0.00138 | 2.23 | 0.0107 | 0.00125 | 1.26 | 0.00195 | 0.00278 | 0.0000592 | 0.000423 | 0.000123 | 0.0354 | 0.0000128 | 0.00055 | 0.000854 | 0.0039 |
| 2031 Sep | 0.00000864 | 1.68 | 0.00101 | 1.4 | 0.00799 | 0.000967 | 0.773 | 0.00113 | 0.00156 | 0.0000429 | 0.000324 | 0.000099 | 0.0228 | 0.00000934 | 0.000427 | 0.000634 | 0.00284 |
| 2031 Oct | 0.00000999 | 2.09 | 0.0011 | 1.7 | 0.00952 | 0.0012 | 0.878 | 0.00167 | 0.00162 | 0.000728 | 0.000421 | 0.000109 | 0.0277 | 0.00001 | 0.000529 | 0.00071 | 0.00401 |
| 2031 Nov | 0.0000175 | 3.19 | 0.00157 | 1.68 | 0.0188 | 0.00252 | 0.754 | 0.00265 | 0.00193 | 0.000562 | 0.000777 | 0.000192 | 0.0277 | 0.0000137 | 0.00111 | 0.00113 | 0.00491 |
| 2031 Dec | 0.0000173 | 3.15 | 0.00156 | 1.68 | 0.0186 | 0.00249 | 0.753 | 0.00262 | 0.00193 | 0.000552 | 0.000767 | 0.00019 | 0.0275 | 0.0000136 | 0.00109 | 0.00112 | 0.00487 |
| 2032 Jan | 0.0000172 | 3.14 | 0.00155 | 1.67 | 0.0185 | 0.00247 | 0.752 | 0.00261 | 0.00192 | 0.000547 | 0.000762 | 0.000188 | 0.0274 | 0.0000135 | 0.00108 | 0.00111 | 0.00484 |
| 2032 Feb | 0.0000171 | 3.13 | 0.00155 | 1.67 | 0.0184 | 0.00246 | 0.752 | 0.0026 | 0.00192 | 0.000544 | 0.000759 | 0.000188 | 0.0274 | 0.0000135 | 0.00108 | 0.00111 | 0.00482 |
| 2032 Mar | 0.0000171 | 3.12 | 0.00155 | 1.67 | 0.0184 | 0.00246 | 0.752 | 0.00259 | 0.00192 | 0.000543 | 0.000758 | 0.000188 | 0.0273 | 0.0000135 | 0.00108 | 0.00111 | 0.00482 |
| 2032 Apr | 0.0000173 | 3.16 | 0.00157 | 1.69 | 0.0186 | 0.00249 | 0.763 | 0.00263 | 0.00196 | 0.00055 | 0.000768 | 0.00019 | 0.0277 | 0.0000137 | 0.00109 | 0.00112 | 0.00488 |
| 2032 May | 0.00005 | 8.43 | 0.00403 | 2.99 | 0.0569 | 0.0078 | 1.06 | 0.00712 | 0.00425 | 0.000413 | 0.00227 | 0.000553 | 0.0497 | 0.0000339 | 0.00341 | 0.00308 | 0.0109 |
| 2032 Jun | 0.0000182 | 3.58 | 0.00171 | 2.28 | 0.0187 | 0.00254 | 1.14 | 0.0029 | 0.0032 | 0.0000648 | 0.00077 | 0.000199 | 0.0358 | 0.000015 | 0.00112 | 0.0012 | 0.00461 |
| 2032 Jul | 0.00000878 | 1.73 | 0.00105 | 1.53 | 0.00954 | 0.000954 | 0.838 | 0.00162 | 0.00173 | 0.0000449 | 0.000325 | 0.0000941 | 0.0231 | 0.00000974 | 0.000424 | 0.000651 | 0.00296 |
| 2032 Aug | 0.0000141 | 2.62 | 0.00149 | 1.77 | 0.0146 | 0.00177 | 0.937 | 0.00212 | 0.00214 | 0.0000605 | 0.000561 | 0.000153 | 0.0291 | 0.0000135 | 0.000778 | 0.000983 | 0.00413 |
| 2032 Sep | 0.0000143 | 2.63 | 0.00146 | 1.67 | 0.0146 | 0.00187 | 0.858 | 0.00198 | 0.00202 | 0.0000579 | 0.000583 | 0.00016 | 0.0276 | 0.0000131 | 0.000822 | 0.000981 | 0.004 |
| 2032 Oct | 0.000018 | 3.24 | 0.00163 | 1.69 | 0.0193 | 0.00259 | 0.766 | 0.00265 | 0.00199 | 0.000427 | 0.00079 | 0.000198 | 0.0279 | 0.0000142 | 0.00113 | 0.00116 | 0.00487 |
| 2032 Nov | 0.0000636 | 10.6 | 0.00506 | 3.52 | 0.0729 | 0.01 | 1.18 | 0.00898 | 0.00521 | 0.000335 | 0.00289 | 0.000705 | 0.0588 | 0.0000424 | 0.00438 | 0.0039 | 0.0134 |
| 2032 Dec | 0.0000582 | 9.63 | 0.00457 | 2.98 | 0.0671 | 0.00926 | 0.932 | 0.00817 | 0.00461 | 0.000156 | 0.00266 | 0.000646 | 0.0498 | 0.0000381 | 0.00405 | 0.00355 | 0.0118 |
| 2033 Jan | 0.0000459 | 7.6 | 0.0036 | 2.35 | 0.0529 | 0.0073 | 0.737 | 0.00644 | 0.00364 | 0.000122 | 0.0021 | 0.000509 | 0.0393 | 0.0000301 | 0.00319 | 0.0028 | 0.00932 |
| 2033 Feb | 0.0000568 | 9.39 | 0.00445 | 2.9 | 0.0655 | 0.00903 | 0.907 | 0.00796 | 0.00449 | 0.00015 | 0.00259 | 0.00063 | 0.0485 | 0.0000371 | 0.00395 | 0.00346 | 0.0115 |
| 2033 Mar | 0.0000483 | 7.99 | 0.00379 | 2.47 | 0.0557 | 0.00768 | 0.773 | 0.00677 | 0.00382 | 0.000127 | 0.0022 | 0.000535 | 0.0413 | 0.0000316 | 0.00336 | 0.00294 | 0.00979 |
| 2033 Apr | 0.0000524 | 8.67 | 0.00411 | 2.68 | 0.0604 | 0.00833 | 0.841 | 0.00735 | 0.00417 | 0.000138 | 0.00239 | 0.000581 | 0.0448 | 0.0000343 | 0.00364 | 0.00319 | 0.0106 |

**Appendix D7. WT WRSF Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 May | 0.0000441 | 7.35 | 0.0035 | 2.41 | 0.0505 | 0.00696 | 0.81 | 0.00623 | 0.00361 | 0.000118 | 0.002 | 0.000489 | 0.0398 | 0.0000293 | 0.00304 | 0.0027 | 0.00908 |
| 2033 Jun | 0.0000239 | 4.32 | 0.00205 | 2.09 | 0.026 | 0.00357 | 0.932 | 0.00357 | 0.003 | 0.0000736 | 0.00105 | 0.000263 | 0.0334 | 0.0000176 | 0.00156 | 0.00151 | 0.00544 |
| 2033 Jul | 0.0000372 | 6.21 | 0.003 | 2.13 | 0.0428 | 0.00583 | 0.74 | 0.00531 | 0.00314 | 0.000102 | 0.00168 | 0.000412 | 0.0351 | 0.0000252 | 0.00255 | 0.00229 | 0.0078 |
| 2033 Aug | 0.0000378 | 6.29 | 0.00302 | 2.08 | 0.0434 | 0.00594 | 0.702 | 0.00533 | 0.00312 | 0.000102 | 0.00171 | 0.000419 | 0.0347 | 0.0000253 | 0.0026 | 0.00232 | 0.00784 |
| 2033 Sep | 0.0000269 | 4.56 | 0.00226 | 1.81 | 0.0301 | 0.00409 | 0.716 | 0.00373 | 0.00252 | 0.0000796 | 0.0012 | 0.0003 | 0.03 | 0.0000193 | 0.00179 | 0.00169 | 0.00595 |
| 2033 Oct | 0.0000183 | 3.4 | 0.00169 | 1.94 | 0.0194 | 0.00259 | 0.895 | 0.00282 | 0.00213 | 0.000704 | 0.000809 | 0.0002 | 0.0319 | 0.0000148 | 0.00114 | 0.0012 | 0.00545 |
| 2033 Nov | 0.0000516 | 8.7 | 0.00416 | 3.09 | 0.0587 | 0.00805 | 1.1 | 0.00735 | 0.00439 | 0.000439 | 0.00234 | 0.000571 | 0.0515 | 0.000035 | 0.00352 | 0.00318 | 0.0113 |
| 2033 Dec | 0.0000488 | 8.11 | 0.00386 | 2.62 | 0.056 | 0.00771 | 0.856 | 0.00687 | 0.00395 | 0.000206 | 0.00222 | 0.00054 | 0.0437 | 0.0000323 | 0.00337 | 0.00298 | 0.0101 |
| 2034 Jan | 0.000041 | 6.78 | 0.00322 | 2.12 | 0.0472 | 0.00651 | 0.667 | 0.00575 | 0.00325 | 0.000122 | 0.00187 | 0.000454 | 0.0353 | 0.0000269 | 0.00284 | 0.0025 | 0.00834 |
| 2034 Feb | 0.0000438 | 7.25 | 0.00344 | 2.25 | 0.0505 | 0.00696 | 0.706 | 0.00615 | 0.00347 | 0.000124 | 0.002 | 0.000486 | 0.0376 | 0.0000287 | 0.00304 | 0.00267 | 0.0089 |
| 2034 Mar | 0.00005 | 8.27 | 0.00392 | 2.56 | 0.0576 | 0.00794 | 0.803 | 0.00701 | 0.00395 | 0.000137 | 0.00228 | 0.000554 | 0.0428 | 0.0000327 | 0.00347 | 0.00304 | 0.0101 |
| 2034 Apr | 0.0000529 | 8.75 | 0.00415 | 2.72 | 0.0609 | 0.0084 | 0.854 | 0.00742 | 0.00423 | 0.000145 | 0.00241 | 0.000586 | 0.0454 | 0.0000346 | 0.00367 | 0.00322 | 0.0107 |
| 2034 May | 0.0000564 | 9.37 | 0.00445 | 2.99 | 0.0648 | 0.00893 | 0.972 | 0.00795 | 0.00459 | 0.000155 | 0.00257 | 0.000625 | 0.0496 | 0.0000372 | 0.00391 | 0.00345 | 0.0115 |
| 2034 Jun | 0.000017 | 3.29 | 0.00157 | 2.01 | 0.0176 | 0.0024 | 0.991 | 0.00268 | 0.00281 | 0.000059 | 0.000724 | 0.000186 | 0.0315 | 0.0000138 | 0.00105 | 0.00111 | 0.00423 |
| 2034 Jul | 0.0000402 | 6.69 | 0.00321 | 2.23 | 0.0462 | 0.00632 | 0.757 | 0.0057 | 0.00334 | 0.000109 | 0.00182 | 0.000445 | 0.037 | 0.0000269 | 0.00276 | 0.00247 | 0.00833 |
| 2034 Aug | 0.0000358 | 5.99 | 0.0029 | 2.07 | 0.041 | 0.00559 | 0.732 | 0.00506 | 0.00305 | 0.0000992 | 0.00162 | 0.000397 | 0.0345 | 0.0000244 | 0.00245 | 0.00221 | 0.00755 |
| 2034 Sep | 0.0000266 | 4.5 | 0.00223 | 1.78 | 0.0298 | 0.00404 | 0.704 | 0.00368 | 0.00248 | 0.0000785 | 0.00118 | 0.000296 | 0.0295 | 0.000019 | 0.00177 | 0.00167 | 0.00587 |
| 2034 Oct | 0.0000245 | 4.27 | 0.00208 | 1.84 | 0.0273 | 0.0037 | 0.748 | 0.00357 | 0.00234 | 0.000422 | 0.0011 | 0.000271 | 0.0305 | 0.0000178 | 0.00162 | 0.00154 | 0.00596 |
| 2034 Nov | 0.0000414 | 6.87 | 0.00327 | 2.18 | 0.0476 | 0.00656 | 0.702 | 0.00582 | 0.00332 | 0.000154 | 0.00189 | 0.000459 | 0.0365 | 0.0000273 | 0.00287 | 0.00253 | 0.00852 |
| 2034 Dec | 0.0000392 | 6.51 | 0.0031 | 2.08 | 0.0451 | 0.00621 | 0.674 | 0.00551 | 0.00319 | 0.000133 | 0.00179 | 0.000435 | 0.0346 | 0.0000259 | 0.00272 | 0.0024 | 0.00807 |
| 2035 Jan | 0.0000385 | 6.4 | 0.00305 | 2.06 | 0.0442 | 0.00609 | 0.674 | 0.00541 | 0.00316 | 0.000131 | 0.00175 | 0.000427 | 0.0342 | 0.0000255 | 0.00266 | 0.00236 | 0.00794 |
| 2035 Feb | 0.0000382 | 6.34 | 0.00302 | 2.05 | 0.0438 | 0.00603 | 0.674 | 0.00536 | 0.00314 | 0.00013 | 0.00174 | 0.000423 | 0.034 | 0.0000253 | 0.00264 | 0.00233 | 0.00787 |
| 2035 Mar | 0.0000381 | 6.33 | 0.00302 | 2.05 | 0.0437 | 0.00601 | 0.676 | 0.00535 | 0.00314 | 0.00013 | 0.00173 | 0.000422 | 0.034 | 0.0000253 | 0.00263 | 0.00233 | 0.00786 |
| 2035 Apr | 0.0000402 | 6.68 | 0.00319 | 2.17 | 0.0461 | 0.00635 | 0.716 | 0.00565 | 0.00334 | 0.000137 | 0.00183 | 0.000445 | 0.036 | 0.0000267 | 0.00277 | 0.00246 | 0.0083 |
| 2035 May | 0.0000522 | 8.69 | 0.00414 | 2.81 | 0.0599 | 0.00825 | 0.925 | 0.00734 | 0.00434 | 0.000173 | 0.00238 | 0.000579 | 0.0466 | 0.0000346 | 0.00361 | 0.0032 | 0.0108 |
| 2035 Jun | 0.0000188 | 3.52 | 0.00167 | 1.91 | 0.0201 | 0.00275 | 0.898 | 0.00289 | 0.00272 | 0.0000613 | 0.000818 | 0.000207 | 0.0303 | 0.0000145 | 0.00121 | 0.00121 | 0.00446 |
| 2035 Jul | 0.0000363 | 6.12 | 0.00296 | 2.23 | 0.0415 | 0.00564 | 0.821 | 0.00522 | 0.00327 | 0.000102 | 0.00163 | 0.000402 | 0.0366 | 0.000025 | 0.00247 | 0.00225 | 0.00772 |
| 2035 Aug | 0.000029 | 4.91 | 0.00242 | 1.87 | 0.0328 | 0.00444 | 0.726 | 0.00411 | 0.00267 | 0.0000848 | 0.00129 | 0.000321 | 0.0312 | 0.0000206 | 0.00194 | 0.00182 | 0.00636 |
| 2035 Sep | 0.0000257 | 4.35 | 0.00215 | 1.71 | 0.0287 | 0.00391 | 0.677 | 0.00355 | 0.00239 | 0.0000757 | 0.00114 | 0.000286 | 0.0284 | 0.0000183 | 0.00171 | 0.00161 | 0.00566 |
| 2035 Oct | 0.0000287 | 4.98 | 0.00242 | 2.11 | 0.032 | 0.00435 | 0.847 | 0.00416 | 0.00271 | 0.000454 | 0.00129 | 0.000317 | 0.0349 | 0.0000206 | 0.0019 | 0.0018 | 0.00688 |
| 2035 Nov | 0.0000445 | 7.36 | 0.00349 | 2.3 | 0.0512 | 0.00706 | 0.729 | 0.00624 | 0.00353 | 0.000143 | 0.00203 | 0.000493 | 0.0385 | 0.0000292 | 0.00308 | 0.00271 | 0.00907 |
| 2035 Dec | 0.0000405 | 6.7 | 0.00318 | 2.11 | 0.0466 | 0.00642 | 0.67 | 0.00568 | 0.00324 | 0.000125 | 0.00184 | 0.000449 | 0.0351 | 0.0000266 | 0.00281 | 0.00247 | 0.00826 |
| 2036 Jan | 0.00004 | 6.64 | 0.00315 | 2.1 | 0.046 | 0.00634 | 0.67 | 0.00562 | 0.00322 | 0.000123 | 0.00182 | 0.000444 | 0.0349 | 0.0000263 | 0.00277 | 0.00244 | 0.00819 |
| 2036 Feb | 0.0000398 | 6.6 | 0.00314 | 2.09 | 0.0458 | 0.00631 | 0.67 | 0.00559 | 0.00321 | 0.000123 | 0.00181 | 0.000441 | 0.0348 | 0.0000262 | 0.00276 | 0.00243 | 0.00815 |
| 2036 Mar | 0.0000397 | 6.58 | 0.00313 | 2.09 | 0.0456 | 0.00629 | 0.671 | 0.00557 | 0.00321 | 0.000123 | 0.00181 | 0.00044 | 0.0347 | 0.0000261 | 0.00275 | 0.00242 | 0.00812 |
| 2036 Apr | 0.0000417 | 6.91 | 0.00328 | 2.17 | 0.048 | 0.00661 | 0.691 | 0.00585 | 0.00335 | 0.000123 | 0.0019 | 0.000462 | 0.0362 | 0.0000274 | 0.00289 | 0.00254 | 0.0085 |
| 2036 May | 0.0000512 | 8.46 | 0.00401 | 2.6 | 0.059 | 0.00814 | 0.807 | 0.00718 | 0.00402 | 0.000135 | 0.00234 | 0.000568 | 0.0435 | 0.0000334 | 0.00356 | 0.00312 | 0.0104 |
| 2036 Jun | 0.0000143 | 2.88 | 0.00138 | 1.94 | 0.0145 | 0.00196 | 0.992 | 0.00232 | 0.0027 | 0.0000529 | 0.000599 | 0.000156 | 0.0303 | 0.0000122 | 0.000861 | 0.000953 | 0.00373 |
| 2036 Jul | 0.0000339 | 5.72 | 0.00277 | 2.1 | 0.0388 | 0.00525 | 0.778 | 0.00488 | 0.00306 | 0.0000955 | 0.00152 | 0.000375 | 0.0344 | 0.0000234 | 0.0023 | 0.0021 | 0.00723 |
| 2036 Aug | 0.0000317 | 5.32 | 0.00258 | 1.87 | 0.0361 | 0.00493 | 0.68 | 0.00447 | 0.00275 | 0.0000889 | 0.00143 | 0.000351 | 0.0313 | 0.0000218 | 0.00216 | 0.00196 | 0.00674 |
| 2036 Sep | 0.0000365 | 6.09 | 0.00293 | 2.07 | 0.0416 | 0.00571 | 0.72 | 0.00509 | 0.00306 | 0.0000999 | 0.00165 | 0.000405 | 0.0346 | 0.0000247 | 0.0025 | 0.00225 | 0.00763 |
| 2036 Oct | 0.0000308 | 5.26 | 0.00254 | 2.01 | 0.0348 | 0.00476 | 0.754 | 0.00441 | 0.00274 | 0.000322 | 0.00139 | 0.000341 | 0.0333 | 0.0000215 | 0.00208 | 0.00192 | 0.00696 |
| 2036 Nov | 0.0000396 | 6.55 | 0.0031 | 2.02 | 0.0456 | 0.00629 | 0.633 | 0.00555 | 0.00312 | 0.000111 | 0.00181 | 0.000439 | 0.0339 | 0.0000259 | 0.00275 | 0.00241 | 0.00803 |
| 2036 Dec | 0.0000372 | 6.16 | 0.00292 | 1.92 | 0.0429 | 0.00591 | 0.603 | 0.00522 | 0.00296 | 0.000101 | 0.0017 | 0.000413 | 0.032 | 0.0000244 | 0.00258 | 0.00227 | 0.00756 |
| 2037 Jan | 0.0000368 | 6.1 | 0.0029 | 1.91 | 0.0424 | 0.00584 | 0.604 | 0.00516 | 0.00295 | 0.0000999 | 0.00168 | 0.000408 | 0.0318 | 0.0000242 | 0.00256 | 0.00225 | 0.0075 |
| 2037 Feb | 0.0000366 | 6.07 | 0.00288 | 1.9 | 0.0422 | 0.00581 | 0.604 | 0.00514 | 0.00294 | 0.0000995 | 0.00167 | 0.000406 | 0.0317 | 0.0000241 | 0.00254 | 0.00224 | 0.00746 |
| 2037 Mar | 0.0000367 | 6.07 | 0.00289 | 1.91 | 0.0422 | 0.00581 | 0.607 | 0.00514 | 0.00295 | 0.0000996 | 0.00167 | 0.000406 | 0.0317 | 0.0000241 | 0.00254 | 0.00224 | 0.00747 |
| 2037 Apr | 0.0000372 | 6.16 | 0.00293 | 1.93 | 0.0427 | 0.00589 | 0.617 | 0.00521 | 0.003 | 0.000101 | 0.00169 | 0.000412 | 0.0322 | 0.0000244 | 0.00258 | 0.00227 | 0.00757 |
| 2037 May | 0.000038 | 6.37 | 0.00305 | 2.22 | 0.0432 | 0.00594 | 0.791 | 0.00541 | 0.00319 | 0.000105 | 0.00172 | 0.00042 | 0.0361 | 0.0000256 | 0.0026 | 0.00234 | 0.00794 |
| 2037 Jun | 0.0000192 | 3.66 | 0.00174 | 2.12 | 0.0202 | 0.00276 | 1.02 | 0.00299 | 0.00298 | 0.0000648 | 0.000825 | 0.000211 | 0.0334 | 0.0000152 | 0.00121 | 0.00125 | 0.00467 |
| 2037 Jul | 0.0000368 | 6.16 | 0.00297 | 2.14 | 0.0423 | 0.00576 | 0.753 | 0.00526 | 0.00316 | 0.000101 | 0.00166 | 0.000408 | 0.0352 | 0.000025 | 0.00252 | 0.00227 | 0.00774 |
| 2037 Aug | 0.0000346 | 5.77 | 0.00278 | 1.96 | 0.0395 | 0.00541 | 0.683 | 0.00487 | 0.00291 | 0.0000949 | 0.00156 | 0.000383 | 0.0327 | 0.0000234 | 0.00236 | 0.00213 | 0.00724 |
| 2037 Sep | 0.0000367 | 6.13 | 0.00295 | 2.09 | 0.0419 | 0.00574 | 0.728 | 0.00512 | 0.00308 | 0.000101 | 0.00166 | 0.000408 | 0.0349 | 0.0000248 | 0.00251 | 0.00226 | 0.00768 |
| 2037 Oct | 0.0000323 | 5.49 | 0.00265 | 2.08 | 0.0365 | 0.00499 | 0.778 | 0.00461 | 0.00285 | 0.000331 | 0.00146 | 0.000357 | 0.0346 | 0.0000224 | 0.00218 | 0.002 | 0.00726 |
| 2037 Nov | 0.000043 | 7.11 | 0.00337 | 2.21 | 0.0495 | 0.00683 | 0.693 | 0.00603 | 0.0034 | 0.000125 | 0.00196 | 0.000476 | 0.0369 | 0.0000281 | 0.00298 | 0.00262 | 0.00874 |
| 2037 Dec | 0.0000381 | 6.3 | 0.00299 | 1.96 | 0.0439 | 0.00605 | 0.618 | 0.00534 | 0.00303 | 0.000103 | 0.00174 | 0.000422 | 0.0327 | 0.000025 | 0.00264 | 0.00232 | 0.00774 |
| 2038 Jan | 0.0000403 | 6.66 | 0.00316 | 2.06 | 0.0464 | 0.0064 | 0.645 | 0.00565 | 0.00319 | 0.000107 | 0.00184 | 0.000447 | 0.0344 | 0.0000264 | 0.0028 | 0.00246 | 0.00817 |
| 2038 Feb | 0.0000382 | 6.31 | 0.00299 | 1.95 | 0.044 | 0.00606 | 0.609 | 0.00535 | 0.00301 | 0.0001 | 0.00174 | 0.000423 | 0.0326 | 0.0000249 | 0.00265 | 0.00232 | 0.00773 |
| 2038 Mar | 0.0000379 | 6.27 | 0.00297 | 1.94 | 0.0437 | 0.00602 | 0.608 | 0.00531 | 0.003 | 0.0000997 | 0.00173 | 0.00042 | 0.0324 | 0.0000248 | 0.00263 | 0.00231 | 0.00768 |
| 2038 Apr | 0.0000389 | 6.43 | 0.00305 | 1.99 | 0.0448 | 0.00618 | 0.625 | 0.00545 | 0.00309 | 0.000102 | 0.00177 | 0.000431 | 0.0333 | 0.0000254 | 0.0027 | 0.00237 | 0.00788 |
| 2038 May | 0.0000424 | 7.03 | 0.00334 | 2.22 | 0.0488 | 0.00673 | 0.711 | 0.00596 | 0.00341 | 0.000112 | 0.00193 | 0.00047 | 0.0369 | 0.0000279 | 0.00294 | 0.00259 | 0.00864 |

**Appendix D7. WT WRSF Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Jun | 0.0000163 | 3.2 | 0.00153 | 2.01 | 0.0168 | 0.00229 | 1 | 0.00259 | 0.00281 | 0.0000578 | 0.000692 | 0.000179 | 0.0316 | 0.0000134 | 0.001 | 0.00107 | 0.00412 |
| 2038 Jul | 0.0000413 | 6.89 | 0.00331 | 2.33 | 0.0475 | 0.00649 | 0.797 | 0.00587 | 0.00347 | 0.000112 | 0.00187 | 0.000458 | 0.0384 | 0.0000278 | 0.00284 | 0.00254 | 0.0086 |
| 2038 Aug | 0.0000343 | 5.75 | 0.00279 | 2.03 | 0.039 | 0.00532 | 0.737 | 0.00483 | 0.00297 | 0.0000961 | 0.00154 | 0.000379 | 0.0339 | 0.0000236 | 0.00233 | 0.00212 | 0.00729 |
| 2038 Sep | 0.0000285 | 4.81 | 0.00237 | 1.83 | 0.0321 | 0.00438 | 0.701 | 0.00396 | 0.00258 | 0.0000825 | 0.00127 | 0.000318 | 0.0304 | 0.0000201 | 0.00192 | 0.00178 | 0.0062 |
| 2038 Oct | 0.0000348 | 5.82 | 0.00278 | 1.95 | 0.0399 | 0.00548 | 0.659 | 0.00492 | 0.00286 | 0.000191 | 0.00158 | 0.000386 | 0.0325 | 0.0000233 | 0.0024 | 0.00214 | 0.00735 |
| 2038 Nov | 0.0000419 | 6.94 | 0.00329 | 2.15 | 0.0483 | 0.00666 | 0.677 | 0.00588 | 0.00332 | 0.000121 | 0.00191 | 0.000465 | 0.036 | 0.0000274 | 0.00291 | 0.00255 | 0.00852 |
| 2038 Dec | 0.0000421 | 6.97 | 0.00331 | 2.19 | 0.0484 | 0.00667 | 0.697 | 0.0059 | 0.00338 | 0.000119 | 0.00192 | 0.000466 | 0.0365 | 0.0000277 | 0.00292 | 0.00257 | 0.00858 |
| 2039 Jan | 0.0000405 | 6.72 | 0.0032 | 2.12 | 0.0466 | 0.00642 | 0.681 | 0.00569 | 0.00328 | 0.000115 | 0.00185 | 0.000449 | 0.0353 | 0.0000267 | 0.00281 | 0.00248 | 0.00828 |
| 2039 Feb | 0.000037 | 6.12 | 0.00291 | 1.92 | 0.0426 | 0.00587 | 0.61 | 0.00519 | 0.00297 | 0.000102 | 0.00169 | 0.00041 | 0.032 | 0.0000243 | 0.00256 | 0.00226 | 0.00753 |
| 2039 Mar | 0.0000367 | 6.08 | 0.00289 | 1.91 | 0.0423 | 0.00583 | 0.606 | 0.00515 | 0.00295 | 0.000101 | 0.00167 | 0.000407 | 0.0318 | 0.0000241 | 0.00255 | 0.00224 | 0.00748 |
| 2039 Apr | 0.0000372 | 6.16 | 0.00293 | 1.93 | 0.0428 | 0.0059 | 0.613 | 0.00522 | 0.00299 | 0.000102 | 0.0017 | 0.000412 | 0.0322 | 0.0000244 | 0.00258 | 0.00227 | 0.00757 |
| 2039 May | 0.0000411 | 6.81 | 0.00323 | 2.12 | 0.0473 | 0.00653 | 0.672 | 0.00577 | 0.00329 | 0.000112 | 0.00187 | 0.000456 | 0.0354 | 0.000027 | 0.00285 | 0.00251 | 0.00836 |
| 2039 Jun | 0.0000218 | 3.9 | 0.00185 | 1.8 | 0.024 | 0.00329 | 0.781 | 0.00324 | 0.00262 | 0.0000658 | 0.000964 | 0.00024 | 0.0289 | 0.0000158 | 0.00144 | 0.00137 | 0.00488 |
| 2039 Jul | 0.0000236 | 4.03 | 0.00202 | 1.72 | 0.0269 | 0.00354 | 0.71 | 0.00349 | 0.00236 | 0.0000721 | 0.00104 | 0.00026 | 0.0276 | 0.0000173 | 0.00155 | 0.00149 | 0.00534 |
| 2039 Aug | 0.0000385 | 6.39 | 0.00305 | 2.04 | 0.0443 | 0.00609 | 0.666 | 0.00541 | 0.00311 | 0.000103 | 0.00175 | 0.000427 | 0.0342 | 0.0000255 | 0.00266 | 0.00236 | 0.0079 |
| 2039 Sep | 0.0000258 | 4.39 | 0.00219 | 1.81 | 0.0287 | 0.00389 | 0.737 | 0.00356 | 0.00248 | 0.0000778 | 0.00114 | 0.000288 | 0.03 | 0.0000187 | 0.0017 | 0.00163 | 0.00578 |
| 2039 Oct | 0.0000363 | 6.07 | 0.00294 | 2.14 | 0.0412 | 0.00565 | 0.765 | 0.00506 | 0.0031 | 0.000125 | 0.00164 | 0.000403 | 0.0356 | 0.0000248 | 0.00247 | 0.00224 | 0.00769 |
| 2039 Nov | 0.0000358 | 6 | 0.0029 | 2.12 | 0.0406 | 0.00557 | 0.761 | 0.00501 | 0.00308 | 0.000145 | 0.00161 | 0.000397 | 0.0353 | 0.0000245 | 0.00244 | 0.00221 | 0.00763 |
| 2039 Dec | 0.0000351 | 5.89 | 0.00285 | 2.1 | 0.0398 | 0.00546 | 0.76 | 0.00491 | 0.00306 | 0.000142 | 0.00158 | 0.00039 | 0.0349 | 0.0000241 | 0.00239 | 0.00217 | 0.00751 |
| 2040 Jan | 0.0000347 | 5.82 | 0.00282 | 2.09 | 0.0393 | 0.00539 | 0.759 | 0.00485 | 0.00304 | 0.000141 | 0.00156 | 0.000385 | 0.0346 | 0.0000238 | 0.00236 | 0.00215 | 0.00743 |
| 2040 Feb | 0.0000345 | 5.79 | 0.00281 | 2.08 | 0.0391 | 0.00535 | 0.759 | 0.00482 | 0.00303 | 0.00014 | 0.00155 | 0.000383 | 0.0345 | 0.0000237 | 0.00234 | 0.00213 | 0.00739 |
| 2040 Mar | 0.0000345 | 5.81 | 0.00281 | 2.09 | 0.0391 | 0.00536 | 0.763 | 0.00484 | 0.00304 | 0.00014 | 0.00156 | 0.000384 | 0.0346 | 0.0000238 | 0.00235 | 0.00214 | 0.00741 |
| 2040 Apr | 0.0000353 | 5.93 | 0.00287 | 2.14 | 0.04 | 0.00547 | 0.78 | 0.00494 | 0.00312 | 0.000143 | 0.00159 | 0.000392 | 0.0354 | 0.0000243 | 0.00239 | 0.00218 | 0.00757 |
| 2040 May | 0.0000404 | 6.76 | 0.00325 | 2.31 | 0.0461 | 0.00633 | 0.806 | 0.00568 | 0.00343 | 0.000139 | 0.00183 | 0.000449 | 0.0383 | 0.0000273 | 0.00277 | 0.00249 | 0.00849 |
| 2040 Jun | 0.000019 | 3.65 | 0.00174 | 2.15 | 0.02 | 0.00272 | 1.05 | 0.00297 | 0.00304 | 0.0000647 | 0.000816 | 0.000209 | 0.0339 | 0.0000152 | 0.00119 | 0.00124 | 0.00466 |
| 2040 Jul | 0.0000334 | 5.59 | 0.00272 | 2.01 | 0.0383 | 0.00517 | 0.729 | 0.00479 | 0.00291 | 0.0000936 | 0.0015 | 0.000369 | 0.0329 | 0.000023 | 0.00226 | 0.00206 | 0.0071 |
| 2040 Aug | 0.0000356 | 5.95 | 0.00287 | 2.02 | 0.0407 | 0.00557 | 0.705 | 0.00502 | 0.003 | 0.0000978 | 0.00161 | 0.000394 | 0.0338 | 0.0000241 | 0.00244 | 0.00219 | 0.00747 |
| 2040 Sep | 0.0000389 | 6.46 | 0.00308 | 2.08 | 0.0447 | 0.00615 | 0.679 | 0.00545 | 0.00314 | 0.000104 | 0.00177 | 0.000432 | 0.0347 | 0.0000258 | 0.00269 | 0.00238 | 0.00799 |
| 2040 Oct | 0.000042 | 6.95 | 0.0033 | 2.16 | 0.0484 | 0.00667 | 0.677 | 0.00589 | 0.00331 | 0.000125 | 0.00192 | 0.000466 | 0.0361 | 0.0000275 | 0.00292 | 0.00256 | 0.00854 |
| 2040 Nov | 0.0000417 | 6.91 | 0.00328 | 2.17 | 0.048 | 0.00662 | 0.689 | 0.00585 | 0.00332 | 0.000137 | 0.0019 | 0.000462 | 0.0363 | 0.0000274 | 0.00289 | 0.00254 | 0.00852 |
| 2040 Dec | 0.0000412 | 6.83 | 0.00325 | 2.16 | 0.0474 | 0.00653 | 0.69 | 0.00579 | 0.0033 | 0.000136 | 0.00188 | 0.000457 | 0.036 | 0.0000271 | 0.00286 | 0.00252 | 0.00844 |
| 2041 Jan | 0.0000409 | 6.79 | 0.00323 | 2.15 | 0.047 | 0.00648 | 0.69 | 0.00575 | 0.00329 | 0.000135 | 0.00186 | 0.000453 | 0.0359 | 0.0000269 | 0.00283 | 0.0025 | 0.00838 |
| 2041 Feb | 0.0000408 | 6.76 | 0.00321 | 2.15 | 0.0469 | 0.00646 | 0.69 | 0.00572 | 0.00328 | 0.000134 | 0.00186 | 0.000452 | 0.0358 | 0.0000269 | 0.00282 | 0.00249 | 0.00836 |
| 2041 Mar | 0.0000409 | 6.79 | 0.00323 | 2.16 | 0.047 | 0.00648 | 0.694 | 0.00575 | 0.0033 | 0.000135 | 0.00186 | 0.000454 | 0.0359 | 0.000027 | 0.00283 | 0.0025 | 0.00839 |
| 2041 Apr | 0.0000413 | 6.85 | 0.00326 | 2.18 | 0.0475 | 0.00654 | 0.701 | 0.0058 | 0.00333 | 0.000136 | 0.00188 | 0.000458 | 0.0363 | 0.0000272 | 0.00286 | 0.00252 | 0.00847 |
| 2041 May | 0.0000477 | 7.91 | 0.00376 | 2.5 | 0.0548 | 0.00756 | 0.804 | 0.0067 | 0.00383 | 0.000143 | 0.00217 | 0.000529 | 0.0417 | 0.0000314 | 0.0033 | 0.00291 | 0.00975 |
| 2041 Jun | 0.000023 | 4.18 | 0.00199 | 2.06 | 0.025 | 0.00343 | 0.925 | 0.00345 | 0.00297 | 0.0000713 | 0.00101 | 0.000253 | 0.0329 | 0.0000171 | 0.0015 | 0.00146 | 0.00526 |
| 2041 Jul | 0.0000273 | 4.62 | 0.00228 | 1.83 | 0.0312 | 0.00416 | 0.716 | 0.00398 | 0.00257 | 0.0000802 | 0.00121 | 0.000301 | 0.0296 | 0.0000194 | 0.00182 | 0.00171 | 0.006 |
| 2041 Aug | 0.0000342 | 5.72 | 0.00276 | 1.94 | 0.0391 | 0.00535 | 0.678 | 0.00482 | 0.00289 | 0.000094 | 0.00155 | 0.000379 | 0.0325 | 0.0000232 | 0.00234 | 0.00211 | 0.00718 |
| 2041 Sep | 0.0000293 | 4.94 | 0.00242 | 1.85 | 0.033 | 0.00451 | 0.702 | 0.00407 | 0.00263 | 0.0000842 | 0.00131 | 0.000327 | 0.0308 | 0.0000205 | 0.00197 | 0.00183 | 0.00634 |
| 2041 Oct | 0.0000401 | 6.68 | 0.00318 | 2.18 | 0.046 | 0.00633 | 0.72 | 0.00564 | 0.00325 | 0.000167 | 0.00182 | 0.000445 | 0.0364 | 0.0000266 | 0.00277 | 0.00245 | 0.00833 |
| 2041 Nov | 0.0000346 | 5.76 | 0.00274 | 1.88 | 0.0397 | 0.00546 | 0.619 | 0.00488 | 0.00281 | 0.000162 | 0.00158 | 0.000383 | 0.0314 | 0.000023 | 0.00239 | 0.00212 | 0.00721 |
| 2041 Dec | 0.0000342 | 5.69 | 0.00271 | 1.87 | 0.0392 | 0.00539 | 0.62 | 0.00481 | 0.0028 | 0.00016 | 0.00155 | 0.000379 | 0.0311 | 0.0000227 | 0.00236 | 0.00209 | 0.00713 |
| 2042 Jan | 0.0000339 | 5.65 | 0.00269 | 1.86 | 0.0388 | 0.00535 | 0.621 | 0.00478 | 0.00279 | 0.000159 | 0.00154 | 0.000376 | 0.031 | 0.0000226 | 0.00234 | 0.00208 | 0.00708 |
| 2042 Feb | 0.0000338 | 5.63 | 0.00269 | 1.86 | 0.0387 | 0.00532 | 0.621 | 0.00476 | 0.00278 | 0.000158 | 0.00154 | 0.000374 | 0.0309 | 0.0000225 | 0.00233 | 0.00207 | 0.00706 |
| 2042 Mar | 0.0000338 | 5.63 | 0.00269 | 1.86 | 0.0387 | 0.00532 | 0.623 | 0.00476 | 0.00279 | 0.000158 | 0.00154 | 0.000374 | 0.031 | 0.0000225 | 0.00233 | 0.00207 | 0.00706 |
| 2042 Apr | 0.0000348 | 5.8 | 0.00277 | 1.92 | 0.0398 | 0.00548 | 0.643 | 0.0049 | 0.00288 | 0.000163 | 0.00158 | 0.000385 | 0.0319 | 0.0000232 | 0.0024 | 0.00213 | 0.00727 |
| 2042 May | 0.0000391 | 6.54 | 0.00312 | 2.21 | 0.0447 | 0.00615 | 0.76 | 0.00554 | 0.00326 | 0.000152 | 0.00177 | 0.000433 | 0.0364 | 0.0000262 | 0.00269 | 0.0024 | 0.00818 |
| 2042 Jun | 0.0000246 | 4.43 | 0.00211 | 2.11 | 0.0269 | 0.00369 | 0.931 | 0.00367 | 0.00302 | 0.0000754 | 0.00108 | 0.000271 | 0.0337 | 0.0000181 | 0.00162 | 0.00156 | 0.00558 |
| 2042 Jul | 0.0000282 | 4.78 | 0.00237 | 1.93 | 0.0322 | 0.00428 | 0.764 | 0.00412 | 0.00269 | 0.0000836 | 0.00125 | 0.000311 | 0.0311 | 0.0000202 | 0.00187 | 0.00177 | 0.00624 |
| 2042 Aug | 0.0000312 | 5.24 | 0.00255 | 1.88 | 0.0354 | 0.00482 | 0.693 | 0.00439 | 0.00274 | 0.0000881 | 0.0014 | 0.000345 | 0.0314 | 0.0000216 | 0.00211 | 0.00193 | 0.00667 |
| 2042 Sep | 0.000028 | 4.72 | 0.00232 | 1.8 | 0.0315 | 0.00429 | 0.689 | 0.00388 | 0.00253 | 0.0000809 | 0.00125 | 0.000312 | 0.0298 | 0.0000197 | 0.00188 | 0.00174 | 0.00608 |
| 2042 Oct | 0.0000382 | 6.38 | 0.00304 | 2.1 | 0.0438 | 0.00603 | 0.7 | 0.0054 | 0.00311 | 0.0002 | 0.00174 | 0.000424 | 0.0351 | 0.0000254 | 0.00264 | 0.00234 | 0.00801 |
| 2042 Nov | 0.0000395 | 6.54 | 0.00311 | 2.06 | 0.0454 | 0.00626 | 0.657 | 0.00554 | 0.00315 | 0.000133 | 0.0018 | 0.000438 | 0.0344 | 0.000026 | 0.00274 | 0.00241 | 0.00808 |
| 2042 Dec | 0.0000384 | 6.38 | 0.00304 | 2.03 | 0.0442 | 0.00609 | 0.657 | 0.0054 | 0.00312 | 0.00013 | 0.00175 | 0.000426 | 0.0339 | 0.0000254 | 0.00266 | 0.00235 | 0.0079 |
| 2043 Jan | 0.0000379 | 6.29 | 0.003 | 2.02 | 0.0435 | 0.00599 | 0.658 | 0.00532 | 0.00309 | 0.000129 | 0.00172 | 0.00042 | 0.0336 | 0.000025 | 0.00262 | 0.00232 | 0.0078 |
| 2043 Feb | 0.0000376 | 6.24 | 0.00297 | 2.01 | 0.0431 | 0.00594 | 0.658 | 0.00528 | 0.00308 | 0.000128 | 0.00171 | 0.000416 | 0.0334 | 0.0000249 | 0.0026 | 0.0023 | 0.00774 |
| 2043 Mar | 0.0000375 | 6.24 | 0.00297 | 2.01 | 0.0431 | 0.00593 | 0.66 | 0.00527 | 0.00308 | 0.000128 | 0.00171 | 0.000416 | 0.0334 | 0.0000249 | 0.00259 | 0.0023 | 0.00774 |
| 2043 Apr | 0.0000396 | 6.59 | 0.00314 | 2.13 | 0.0455 | 0.00626 | 0.699 | 0.00557 | 0.00327 | 0.000135 | 0.0018 | 0.000439 | 0.0353 | 0.0000263 | 0.00274 | 0.00242 | 0.00818 |
| 2043 May | 0.0000472 | 7.84 | 0.00374 | 2.54 | 0.0541 | 0.00745 | 0.837 | 0.00664 | 0.0039 | 0.000154 | 0.00215 | 0.000523 | 0.0421 | 0.0000313 | 0.00326 | 0.00289 | 0.00972 |
| 2043 Jun | 0.0000188 | 3.57 | 0.0017 | 2.05 | 0.0198 | 0.0027 | 0.988 | 0.00291 | 0.00291 | 0.000063 | 0.000808 | 0.000206 | 0.0324 | 0.0000148 | 0.00118 | 0.00122 | 0.00455 |

**Appendix D7. WT WRSF Pond**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2043 Jul | 0.0000375 | 6.3 | 0.00304 | 2.24 | 0.043 | 0.00584 | 0.803 | 0.00537 | 0.00329 | 0.000104 | 0.00169 | 0.000415 | 0.0367 | 0.0000256 | 0.00256 | 0.00232 | 0.00792 |
| 2043 Aug | 0.0000298 | 4.99 | 0.00243 | 1.77 | 0.0338 | 0.00462 | 0.647 | 0.00419 | 0.00259 | 0.0000837 | 0.00134 | 0.000329 | 0.0296 | 0.0000205 | 0.00202 | 0.00184 | 0.00634 |
| 2043 Sep | 0.0000326 | 5.46 | 0.00265 | 1.93 | 0.037 | 0.00507 | 0.698 | 0.00454 | 0.00281 | 0.000091 | 0.00147 | 0.000363 | 0.0322 | 0.0000224 | 0.00222 | 0.00202 | 0.00692 |
| 2043 Oct | 0.0000482 | 8.01 | 0.00382 | 2.61 | 0.0552 | 0.0076 | 0.862 | 0.00675 | 0.00391 | 0.000168 | 0.00219 | 0.000534 | 0.0436 | 0.000032 | 0.00332 | 0.00295 | 0.00996 |
| 2043 Nov | 0.0000505 | 8.41 | 0.00402 | 2.78 | 0.0578 | 0.00795 | 0.933 | 0.0071 | 0.00416 | 0.000218 | 0.00229 | 0.000559 | 0.0464 | 0.0000337 | 0.00348 | 0.00309 | 0.0105 |
| 2043 Dec | 0.0000453 | 7.52 | 0.00358 | 2.42 | 0.052 | 0.00716 | 0.787 | 0.00636 | 0.00367 | 0.000157 | 0.00206 | 0.000502 | 0.0403 | 0.0000299 | 0.00313 | 0.00277 | 0.00933 |
| 2044 Jan | 0.0000525 | 8.69 | 0.00412 | 2.69 | 0.0605 | 0.00835 | 0.84 | 0.00736 | 0.00415 | 0.00014 | 0.0024 | 0.000582 | 0.0449 | 0.0000343 | 0.00365 | 0.0032 | 0.0106 |
| 2044 Feb | 0.0000508 | 8.41 | 0.00399 | 2.62 | 0.0586 | 0.00808 | 0.823 | 0.00713 | 0.00404 | 0.000136 | 0.00232 | 0.000564 | 0.0436 | 0.0000333 | 0.00353 | 0.0031 | 0.0103 |
| 2044 Mar | 0.0000433 | 7.16 | 0.0034 | 2.22 | 0.0499 | 0.00688 | 0.697 | 0.00607 | 0.00343 | 0.000115 | 0.00197 | 0.00048 | 0.0371 | 0.0000283 | 0.00301 | 0.00264 | 0.00878 |
| 2044 Apr | 0.0000388 | 6.41 | 0.00304 | 1.98 | 0.0447 | 0.00616 | 0.618 | 0.00543 | 0.00306 | 0.000102 | 0.00177 | 0.00043 | 0.0331 | 0.0000253 | 0.00269 | 0.00236 | 0.00785 |
| 2044 May | 0.0000504 | 8.36 | 0.00397 | 2.63 | 0.058 | 0.008 | 0.842 | 0.00709 | 0.00401 | 0.000133 | 0.0023 | 0.000559 | 0.0438 | 0.0000331 | 0.0035 | 0.00308 | 0.0103 |
| 2044 Jun | 0.0000195 | 3.66 | 0.00174 | 2.01 | 0.0208 | 0.00284 | 0.955 | 0.003 | 0.00285 | 0.0000641 | 0.000844 | 0.000214 | 0.0319 | 0.0000151 | 0.00124 | 0.00126 | 0.00465 |
| 2044 Jul | 0.0000375 | 6.25 | 0.003 | 2.08 | 0.0432 | 0.0059 | 0.704 | 0.00532 | 0.00312 | 0.000101 | 0.0017 | 0.000416 | 0.0344 | 0.0000251 | 0.00258 | 0.0023 | 0.00778 |
| 2044 Aug | 0.0000328 | 5.51 | 0.00269 | 1.97 | 0.0373 | 0.00508 | 0.727 | 0.00463 | 0.00288 | 0.0000927 | 0.00147 | 0.000363 | 0.033 | 0.0000227 | 0.00222 | 0.00204 | 0.00702 |
| 2044 Sep | 0.0000242 | 4.13 | 0.00207 | 1.72 | 0.027 | 0.00365 | 0.702 | 0.00335 | 0.00234 | 0.0000735 | 0.00107 | 0.000271 | 0.0284 | 0.0000177 | 0.0016 | 0.00153 | 0.00545 |
| 2044 Oct | 0.0000197 | 3.53 | 0.00175 | 1.76 | 0.0214 | 0.00288 | 0.771 | 0.00292 | 0.00209 | 0.000478 | 0.000875 | 0.000217 | 0.029 | 0.0000151 | 0.00126 | 0.00127 | 0.00523 |
| 2044 Nov | 0.0000157 | 2.93 | 0.00146 | 1.68 | 0.0167 | 0.00222 | 0.777 | 0.00243 | 0.00185 | 0.000613 | 0.000694 | 0.000172 | 0.0276 | 0.0000128 | 0.000973 | 0.00103 | 0.0047 |
| 2044 Dec | 0.0000155 | 2.9 | 0.00145 | 1.67 | 0.0164 | 0.00219 | 0.775 | 0.0024 | 0.00185 | 0.000601 | 0.000686 | 0.00017 | 0.0274 | 0.0000127 | 0.00096 | 0.00102 | 0.00466 |
| 2045 Jan | 0.0000154 | 2.88 | 0.00144 | 1.66 | 0.0163 | 0.00217 | 0.774 | 0.00238 | 0.00185 | 0.000595 | 0.000681 | 0.000169 | 0.0273 | 0.0000126 | 0.000953 | 0.00101 | 0.00463 |
| 2045 Feb | 0.0000154 | 2.87 | 0.00143 | 1.66 | 0.0163 | 0.00216 | 0.773 | 0.00238 | 0.00185 | 0.000592 | 0.000678 | 0.000168 | 0.0272 | 0.0000126 | 0.000949 | 0.00101 | 0.00461 |
| 2045 Mar | 0.0000154 | 2.87 | 0.00144 | 1.66 | 0.0163 | 0.00216 | 0.775 | 0.00238 | 0.00185 | 0.000591 | 0.000678 | 0.000168 | 0.0272 | 0.0000126 | 0.000949 | 0.00101 | 0.00462 |
| 2045 Apr | 0.0000296 | 5.21 | 0.00254 | 2.36 | 0.0327 | 0.00444 | 0.98 | 0.00437 | 0.00297 | 0.000608 | 0.00133 | 0.000326 | 0.0388 | 0.0000218 | 0.00194 | 0.00188 | 0.00744 |
| 2045 May | 0.000046 | 7.84 | 0.00377 | 2.97 | 0.052 | 0.00712 | 1.1 | 0.00661 | 0.00411 | 0.000513 | 0.00208 | 0.000509 | 0.0492 | 0.0000319 | 0.00311 | 0.00286 | 0.0104 |
| 2045 Jun | 0.0000285 | 4.97 | 0.00237 | 2.06 | 0.0318 | 0.00437 | 0.834 | 0.00415 | 0.003 | 0.000139 | 0.00128 | 0.000315 | 0.0335 | 0.0000201 | 0.00191 | 0.00178 | 0.00628 |
| 2045 Jul | 0.0000415 | 6.95 | 0.00332 | 2.37 | 0.0476 | 0.00651 | 0.823 | 0.0059 | 0.00355 | 0.000113 | 0.00188 | 0.000459 | 0.0392 | 0.0000279 | 0.00285 | 0.00255 | 0.00864 |
| 2045 Aug | 0.0000382 | 6.34 | 0.00304 | 2.07 | 0.0438 | 0.00601 | 0.691 | 0.00536 | 0.00312 | 0.000103 | 0.00173 | 0.000423 | 0.0346 | 0.0000255 | 0.00263 | 0.00234 | 0.00788 |
| 2045 Sep | 0.0000334 | 5.6 | 0.00272 | 1.99 | 0.038 | 0.0052 | 0.718 | 0.00466 | 0.00289 | 0.0000935 | 0.00151 | 0.000372 | 0.0331 | 0.0000229 | 0.00227 | 0.00207 | 0.0071 |
| 2045 Oct | 0.0000359 | 5.96 | 0.00284 | 1.92 | 0.0412 | 0.00567 | 0.631 | 0.00502 | 0.0029 | 0.000106 | 0.00163 | 0.000398 | 0.0321 | 0.0000238 | 0.00248 | 0.0022 | 0.00738 |
| 2045 Nov | 0.0000568 | 9.44 | 0.00451 | 3.07 | 0.0651 | 0.00896 | 1.01 | 0.00796 | 0.00463 | 0.000179 | 0.00258 | 0.00063 | 0.0512 | 0.0000377 | 0.00392 | 0.00348 | 0.0117 |
| 2045 Dec | 0.0000722 | 12 | 0.00575 | 3.96 | 0.0827 | 0.0114 | 1.33 | 0.0101 | 0.006 | 0.000227 | 0.00328 | 0.000801 | 0.0658 | 0.0000482 | 0.00497 | 0.00443 | 0.015 |
| 2046 Jan | 0.0000683 | 11.4 | 0.00546 | 3.8 | 0.0781 | 0.0107 | 1.29 | 0.00958 | 0.00574 | 0.000215 | 0.0031 | 0.000758 | 0.0629 | 0.0000458 | 0.0047 | 0.00419 | 0.0142 |
| 2046 Feb | 0.0000665 | 11.1 | 0.00532 | 3.72 | 0.076 | 0.0104 | 1.27 | 0.00933 | 0.00563 | 0.00021 | 0.00301 | 0.000738 | 0.0615 | 0.0000446 | 0.00457 | 0.00409 | 0.0139 |
| 2046 Mar | 0.0000671 | 11.2 | 0.00537 | 3.76 | 0.0766 | 0.0105 | 1.29 | 0.00941 | 0.00569 | 0.000212 | 0.00304 | 0.000744 | 0.0622 | 0.000045 | 0.0046 | 0.00412 | 0.014 |
| 2046 Apr | 0.0000726 | 12.1 | 0.00581 | 4.08 | 0.0829 | 0.0114 | 1.4 | 0.0102 | 0.00622 | 0.000229 | 0.00329 | 0.000805 | 0.0674 | 0.0000488 | 0.00498 | 0.00446 | 0.0151 |
| 2046 May | 0.000128 | 21.1 | 0.01 | 6.64 | 0.147 | 0.0202 | 2.12 | 0.0179 | 0.0102 | 0.000351 | 0.00581 | 0.00141 | 0.111 | 0.0000839 | 0.00884 | 0.00779 | 0.026 |
| 2046 Jun | 0.0000261 | 4.55 | 0.00216 | 1.89 | 0.0291 | 0.004 | 0.768 | 0.0038 | 0.00278 | 0.0000753 | 0.00116 | 0.000288 | 0.0306 | 0.0000183 | 0.00175 | 0.00163 | 0.00566 |

**Appendix D8. WT Pit**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 181 | 0.421 | 0.05 | 0.0048 | 43.6 | 0.199 | 58.9 | 0.00000936 | 0.00393 | 0.0264 | 0.005 | 0.083 | 0.0000321 | 46 | 0.0000121 | 0.000734 | 0.000208 | 0.00117 | 0.281 |
| Operation (Jan., 2024 to Jun., 2028): Average | 242 | 1.13 | 0.907 | 0.0765 | 47.8 | 0.203 | 103 | 0.0000106 | 0.00521 | 0.0903 | 0.00524 | 0.0876 | 0.0000472 | 58.6 | 0.0000259 | 0.000963 | 0.000286 | 0.00181 | 0.449 |
| Operation (Jan., 2024 to Jun., 2028): Max | 570 | 3.74 | 6.05 | 0.509 | 48.6 | 0.22 | 339 | 0.0000184 | 0.0133 | 0.422 | 0.00707 | 0.0889 | 0.00005 | 125 | 0.0000982 | 0.00107 | 0.0003 | 0.00513 | 0.48 |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Aug., 2039): Min | 82.7 | 0.0000907 | 0.185 | 0.000273 | 13.8 | 0.0599 | 21.4 | 0.00000617 | 0.0113 | 0.0199 | 0.00623 | 0.019 | 0.00000895 | 14 | 0.00000773 | 0.000148 | 0.0000938 | 0.000963 | 0.0363 |
| Active Closure (Jul., 2028 to Aug., 2039): Average | 212 | 0.0105 | 0.363 | 0.000676 | 19.4 | 0.0872 | 107 | 0.00000811 | 0.0133 | 0.133 | 0.00754 | 0.0295 | 0.0000172 | 42.3 | 0.0000328 | 0.000249 | 0.000243 | 0.00213 | 0.0644 |
| Active Closure (Jul., 2028 to Aug., 2039): Max | 996 | 0.301 | 0.899 | 0.00174 | 40.9 | 0.231 | 659 | 0.0000228 | 0.0215 | 0.872 | 0.0106 | 0.0815 | 0.0000257 | 216 | 0.000197 | 0.000594 | 0.000297 | 0.00961 | 0.211 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Aug 2039) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2024 Feb | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2024 Mar | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2024 Apr | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2024 May | 318 | 1.81 | 2.27 | 0.192 | 46.3 | 0.202 | 157 | 0.00000963 | 0.00632 | 0.175 | 0.00526 | 0.085 | 0.0000422 | 73.3 | 0.0000438 | 0.000868 | 0.000261 | 0.00263 | 0.396 |
| 2024 Jun | 363 | 2.19 | 2.94 | 0.249 | 47.1 | 0.213 | 190 | 0.0000104 | 0.00712 | 0.223 | 0.00544 | 0.0881 | 0.0000425 | 83.7 | 0.0000542 | 0.000895 | 0.00026 | 0.00313 | 0.399 |
| 2024 Jul | 298 | 1.66 | 1.92 | 0.162 | 47.6 | 0.209 | 143 | 0.000011 | 0.00634 | 0.154 | 0.00541 | 0.088 | 0.0000452 | 70.2 | 0.0000392 | 0.000942 | 0.000275 | 0.00244 | 0.427 |
| 2024 Aug | 295 | 1.64 | 1.86 | 0.157 | 47.6 | 0.208 | 141 | 0.0000106 | 0.0061 | 0.15 | 0.00534 | 0.088 | 0.0000453 | 69.5 | 0.0000384 | 0.000938 | 0.000275 | 0.0024 | 0.428 |
| 2024 Sep | 295 | 1.62 | 1.93 | 0.159 | 46.9 | 0.207 | 141 | 0.000014 | 0.00793 | 0.154 | 0.00598 | 0.0859 | 0.0000445 | 69 | 0.0000386 | 0.000962 | 0.000272 | 0.00245 | 0.412 |
| 2024 Oct | 186 | 0.746 | 0.139 | 0.0119 | 48.4 | 0.2 | 62.3 | 0.0000104 | 0.00426 | 0.0323 | 0.00509 | 0.0876 | 0.0000495 | 46.8 | 0.0000132 | 0.000997 | 0.000298 | 0.00123 | 0.474 |
| 2024 Nov | 181 | 0.71 | 0.0509 | 0.00501 | 48.6 | 0.2 | 58.9 | 0.0000101 | 0.00396 | 0.0265 | 0.00501 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00118 | 0.48 |
| 2024 Dec | 181 | 0.71 | 0.0501 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2025 Jan | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2025 Feb | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2025 Mar | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2025 Apr | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2025 May | 181 | 0.71 | 0.0521 | 0.00502 | 48.6 | 0.2 | 58.9 | 0.0000102 | 0.00401 | 0.0266 | 0.00503 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00118 | 0.48 |
| 2025 Jun | 483 | 3.04 | 4.79 | 0.397 | 44.1 | 0.213 | 276 | 0.0000155 | 0.0116 | 0.34 | 0.00667 | 0.083 | 0.0000352 | 107 | 0.0000794 | 0.00083 | 0.000226 | 0.0043 | 0.308 |
| 2025 Jul | 243 | 1.2 | 1.01 | 0.0854 | 47.9 | 0.203 | 104 | 0.0000102 | 0.00502 | 0.0898 | 0.00517 | 0.0878 | 0.0000473 | 58.8 | 0.0000259 | 0.000961 | 0.000286 | 0.00181 | 0.45 |
| 2025 Aug | 368 | 2.18 | 2.9 | 0.246 | 46.8 | 0.211 | 194 | 0.00000951 | 0.00659 | 0.216 | 0.0053 | 0.0881 | 0.0000423 | 84.7 | 0.0000537 | 0.00088 | 0.000259 | 0.00307 | 0.398 |
| 2025 Sep | 311 | 1.73 | 2.06 | 0.175 | 46.8 | 0.204 | 153 | 0.00000942 | 0.00582 | 0.159 | 0.00519 | 0.0866 | 0.0000436 | 72.5 | 0.0000412 | 0.000891 | 0.000267 | 0.00249 | 0.412 |
| 2025 Oct | 210 | 0.935 | 0.521 | 0.0442 | 47.9 | 0.199 | 80 | 0.00000987 | 0.00445 | 0.0567 | 0.00506 | 0.0869 | 0.000048 | 51.7 | 0.0000187 | 0.000963 | 0.00029 | 0.00147 | 0.458 |
| 2025 Nov | 181 | 0.71 | 0.0503 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00394 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2025 Dec | 181 | 0.71 | 0.0501 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2026 Jan | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2026 Feb | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2026 Mar | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2026 Apr | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2026 May | 206 | 0.896 | 0.486 | 0.0389 | 47.7 | 0.2 | 77 | 0.0000121 | 0.00549 | 0.0549 | 0.00545 | 0.0864 | 0.0000481 | 50.7 | 0.0000178 | 0.000992 | 0.000291 | 0.00146 | 0.455 |
| 2026 Jun | 501 | 3.21 | 4.95 | 0.419 | 44.9 | 0.216 | 289 | 0.00000936 | 0.00866 | 0.35 | 0.00558 | 0.0869 | 0.0000357 | 112 | 0.0000828 | 0.000773 | 0.000226 | 0.00441 | 0.326 |
| 2026 Jul | 346 | 2.01 | 2.55 | 0.217 | 47.2 | 0.211 | 178 | 0.00000947 | 0.00615 | 0.192 | 0.00524 | 0.0889 | 0.0000436 | 80.3 | 0.0000486 | 0.0009 | 0.000266 | 0.00284 | 0.412 |
| 2026 Aug | 306 | 1.69 | 1.94 | 0.166 | 47.6 | 0.209 | 149 | 0.00000962 | 0.00561 | 0.152 | 0.00519 | 0.0889 | 0.0000452 | 72 | 0.0000397 | 0.000927 | 0.000274 | 0.00244 | 0.43 |
| 2026 Sep | 262 | 1.35 | 1.29 | 0.11 | 47.9 | 0.206 | 118 | 0.00000976 | 0.00503 | 0.108 | 0.00512 | 0.0885 | 0.0000468 | 62.9 | 0.0000301 | 0.000951 | 0.000283 | 0.002 | 0.447 |
| 2026 Oct | 181 | 0.71 | 0.0518 | 0.00501 | 48.6 | 0.2 | 58.9 | 0.0000101 | 0.00399 | 0.0265 | 0.00502 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00118 | 0.48 |
| 2026 Nov | 181 | 0.71 | 0.0501 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2026 Dec | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2027 Jan | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2027 Feb | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2027 Mar | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2027 Apr | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2027 May | 202 | 0.839 | 0.491 | 0.0326 | 47.4 | 0.202 | 73.8 | 0.0000184 | 0.0085 | 0.0567 | 0.00657 | 0.0848 | 0.0000482 | 49.4 | 0.0000169 | 0.00107 | 0.000293 | 0.00149 | 0.444 |
| 2027 Jun | 570 | 3.74 | 6.05 | 0.509 | 43.8 | 0.218 | 339 | 0.0000109 | 0.0106 | 0.422 | 0.00601 | 0.0856 | 0.0000321 | 125 | 0.0000982 | 0.000734 | 0.000208 | 0.00513 | 0.285 |
| 2027 Jul | 267 | 1.38 | 1.39 | 0.116 | 47.5 | 0.205 | 121 | 0.0000118 | 0.00616 | 0.115 | 0.0055 | 0.0874 | 0.0000462 | 63.5 | 0.0000312 | 0.000962 | 0.000281 | 0.00207 | 0.435 |
| 2027 Aug | 327 | 1.85 | 2.29 | 0.193 | 47.2 | 0.21 | 164 | 0.0000108 | 0.00654 | 0.175 | 0.00544 | 0.0882 | 0.000044 | 76.2 | 0.0000444 | 0.000921 | 0.000269 | 0.00267 | 0.415 |
| 2027 Sep | 370 | 2.18 | 2.96 | 0.25 | 46.1 | 0.207 | 195 | 0.00000947 | 0.00675 | 0.218 | 0.00533 | 0.0866 | 0.000041 | 84.4 | 0.0000539 | 0.000853 | 0.000254 | 0.00308 | 0.383 |
| 2027 Oct | 209 | 0.927 | 0.495 | 0.0418 | 48.1 | 0.201 | 79.2 | 0.0000105 | 0.00466 | 0.0556 | 0.00516 | 0.0876 | 0.0000485 | 51.6 | 0.0000184 | 0.000982 | 0.000293 | 0.00147 | 0.463 |
| 2027 Nov | 181 | 0.709 | 0.0571 | 0.00508 | 48.6 | 0.2 | 59 | 0.0000105 | 0.00417 | 0.027 | 0.00509 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.00101 | 0.0003 | 0.00118 | 0.48 |
| 2027 Dec | 181 | 0.71 | 0.0501 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2028 Jan | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2028 Feb | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2028 Mar | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2028 Apr | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2028 May | 181 | 0.71 | 0.05 | 0.005 | 48.6 | 0.2 | 58.9 | 0.00001 | 0.00393 | 0.0264 | 0.005 | 0.0881 | 0.00005 | 46 | 0.0000121 | 0.001 | 0.0003 | 0.00117 | 0.48 |
| 2028 Jun | 544 | 0.421 | 0.202 | 0.0048 | 43.6 | 0.22 | 327 | 0.000017 | 0.0133 | 0.411 | 0.00707 | 0.0842 | 0.000033 | 122 | 0.0000945 | 0.000819 | 0.000214 | 0.00503 | 0.281 |
| 2028 Jul | 577 | 0.301 | 0.197 | 0.00107 | 40.9 | 0.2 | 349 | 0.0000106 | 0.0118 | 0.442 | 0.00627 | 0.0772 | 0.0000257 | 126 | 0.000102 | 0.000594 | 0.000183 | 0.00529 | 0.211 |
| 2028 Aug | 944 | 0.0803 | 0.195 | 0.000518 | 38.9 | 0.229 | 620 | 0.00000791 | 0.016 | 0.817 | 0.00658 | 0.0815 | 0.0000124 | 205 | 0.000185 | 0.000376 | 0.000111 | 0.00907 | 0.0725 |
| 2028 Sep | 996 | 0.0307 | 0.2 | 0.000654 | 38 | 0.231 | 659 | 0.00000715 | 0.0164 | 0.872 | 0.00651 | 0.0812 | 0.00000991 | 216 | 0.000197 | 0.000331 | 0.0000966 | 0.00961 | 0.0479 |
| 2028 Oct | 903 | 0.0223 | 0.22 | 0.0014 | 35.6 | 0.209 | 592 | 0.00000727 | 0.0156 | 0.783 | 0.00633 | 0.0737 | 0.00000895 | 194 | 0.000177 | 0.000293 | 0.0000938 | 0.00866 | 0.0365 |

**Appendix D8. WT Pit**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Nov | 878 | 0.024 | 0.233 | 0.00162 | 35.4 | 0.205 | 573 | 0.00000777 | 0.0156 | 0.76 | 0.0064 | 0.0722 | 0.00000908 | 189 | 0.000171 | 0.000295 | 0.0000958 | 0.00842 | 0.0363 |
| 2028 Dec | 878 | 0.024 | 0.233 | 0.00163 | 35.4 | 0.205 | 573 | 0.00000777 | 0.0156 | 0.76 | 0.0064 | 0.0722 | 0.00000909 | 189 | 0.000171 | 0.000295 | 0.0000958 | 0.00841 | 0.0363 |
| 2029 Jan | 877 | 0.024 | 0.233 | 0.00163 | 35.4 | 0.205 | 573 | 0.00000776 | 0.0156 | 0.761 | 0.00639 | 0.0721 | 0.00000909 | 189 | 0.000171 | 0.000295 | 0.0000958 | 0.00841 | 0.0363 |
| 2029 Feb | 877 | 0.024 | 0.233 | 0.00163 | 35.4 | 0.205 | 573 | 0.00000776 | 0.0156 | 0.761 | 0.00639 | 0.0721 | 0.00000909 | 189 | 0.000171 | 0.000295 | 0.0000958 | 0.0084 | 0.0363 |
| 2029 Mar | 877 | 0.024 | 0.233 | 0.00163 | 35.4 | 0.205 | 572 | 0.00000776 | 0.0156 | 0.762 | 0.00639 | 0.0721 | 0.00000909 | 188 | 0.000171 | 0.000295 | 0.0000958 | 0.0084 | 0.0363 |
| 2029 Apr | 877 | 0.0241 | 0.233 | 0.00163 | 35.4 | 0.205 | 573 | 0.00000777 | 0.0156 | 0.763 | 0.0064 | 0.0721 | 0.00000909 | 189 | 0.000171 | 0.000295 | 0.0000959 | 0.00841 | 0.0363 |
| 2029 May | 880 | 0.0251 | 0.245 | 0.00174 | 35.6 | 0.206 | 574 | 0.00000864 | 0.016 | 0.767 | 0.00657 | 0.0724 | 0.00000929 | 189 | 0.000172 | 0.000309 | 0.0000972 | 0.00844 | 0.0366 |
| 2029 Jun | 733 | 0.0473 | 0.478 | 0.00063 | 33.9 | 0.193 | 467 | 0.0000228 | 0.0215 | 0.632 | 0.00925 | 0.0639 | 0.0000133 | 156 | 0.000139 | 0.000512 | 0.000131 | 0.00713 | 0.0391 |
| 2029 Jul | 514 | 0.0859 | 0.556 | 0.000854 | 28.8 | 0.152 | 314 | 0.0000155 | 0.0177 | 0.415 | 0.00965 | 0.0511 | 0.0000189 | 109 | 0.000094 | 0.000441 | 0.000199 | 0.00502 | 0.0551 |
| 2029 Aug | 483 | 0.0652 | 0.589 | 0.000918 | 28 | 0.146 | 293 | 0.000014 | 0.0171 | 0.385 | 0.00961 | 0.0492 | 0.0000195 | 102 | 0.0000878 | 0.000426 | 0.000208 | 0.00473 | 0.0576 |
| 2029 Sep | 448 | 0.0461 | 0.634 | 0.00046 | 27 | 0.14 | 269 | 0.0000139 | 0.0169 | 0.353 | 0.00969 | 0.047 | 0.0000202 | 94.6 | 0.0000808 | 0.000427 | 0.000215 | 0.00441 | 0.0595 |
| 2029 Oct | 426 | 0.0413 | 0.668 | 0.000283 | 26.5 | 0.137 | 253 | 0.0000143 | 0.0171 | 0.332 | 0.00989 | 0.0458 | 0.0000209 | 89.8 | 0.0000762 | 0.000437 | 0.000222 | 0.00421 | 0.0614 |
| 2029 Nov | 408 | 0.046 | 0.683 | 0.000342 | 26.2 | 0.134 | 241 | 0.0000142 | 0.0171 | 0.315 | 0.00999 | 0.0449 | 0.0000214 | 86 | 0.0000725 | 0.000439 | 0.000228 | 0.00405 | 0.0632 |
| 2029 Dec | 393 | 0.0502 | 0.695 | 0.000384 | 25.9 | 0.132 | 230 | 0.000014 | 0.017 | 0.3 | 0.0101 | 0.0441 | 0.0000219 | 82.6 | 0.0000692 | 0.000439 | 0.000234 | 0.0039 | 0.0649 |
| 2030 Jan | 386 | 0.0516 | 0.699 | 0.000396 | 25.8 | 0.131 | 225 | 0.0000138 | 0.017 | 0.294 | 0.0101 | 0.0437 | 0.0000221 | 81.2 | 0.0000679 | 0.000438 | 0.000236 | 0.00384 | 0.0654 |
| 2030 Feb | 386 | 0.0518 | 0.699 | 0.000397 | 25.8 | 0.13 | 225 | 0.0000138 | 0.017 | 0.294 | 0.0101 | 0.0437 | 0.0000221 | 81.1 | 0.0000678 | 0.000438 | 0.000236 | 0.00383 | 0.0655 |
| 2030 Mar | 386 | 0.0518 | 0.699 | 0.000398 | 25.8 | 0.13 | 225 | 0.0000138 | 0.017 | 0.294 | 0.0101 | 0.0437 | 0.0000221 | 81.1 | 0.0000678 | 0.000438 | 0.000236 | 0.00383 | 0.0655 |
| 2030 Apr | 386 | 0.0518 | 0.699 | 0.000398 | 25.8 | 0.13 | 225 | 0.0000138 | 0.017 | 0.294 | 0.0101 | 0.0437 | 0.0000221 | 81.1 | 0.0000678 | 0.000438 | 0.000236 | 0.00383 | 0.0655 |
| 2030 May | 386 | 0.0519 | 0.7 | 0.000398 | 25.8 | 0.131 | 225 | 0.0000138 | 0.017 | 0.294 | 0.0101 | 0.0437 | 0.0000221 | 81.2 | 0.0000679 | 0.000439 | 0.000236 | 0.00384 | 0.0656 |
| 2030 Jun | 334 | 0.0551 | 0.773 | 0.000423 | 25.2 | 0.125 | 187 | 0.000015 | 0.0178 | 0.243 | 0.0106 | 0.0412 | 0.0000238 | 69.6 | 0.0000565 | 0.000464 | 0.000255 | 0.00337 | 0.0704 |
| 2030 Jul | 315 | 0.0343 | 0.815 | 0.000273 | 24.8 | 0.121 | 174 | 0.0000135 | 0.0176 | 0.223 | 0.0106 | 0.0402 | 0.0000244 | 65.5 | 0.0000527 | 0.000447 | 0.000265 | 0.0032 | 0.0732 |
| 2030 Aug | 320 | 0.00674 | 0.845 | 0.000336 | 25 | 0.122 | 178 | 0.0000132 | 0.0176 | 0.228 | 0.0106 | 0.0407 | 0.0000244 | 66.7 | 0.0000538 | 0.000445 | 0.000266 | 0.00325 | 0.0735 |
| 2030 Sep | 321 | 0.000334 | 0.852 | 0.000358 | 25 | 0.122 | 178 | 0.000013 | 0.0176 | 0.229 | 0.0105 | 0.0407 | 0.0000244 | 66.8 | 0.000054 | 0.000442 | 0.000266 | 0.00326 | 0.0734 |
| 2030 Oct | 316 | 0.000771 | 0.849 | 0.000394 | 24.7 | 0.121 | 175 | 0.0000127 | 0.0174 | 0.224 | 0.0104 | 0.0402 | 0.0000241 | 65.8 | 0.0000531 | 0.000434 | 0.000264 | 0.00321 | 0.0729 |
| 2030 Nov | 309 | 0.00124 | 0.852 | 0.000428 | 24.4 | 0.12 | 171 | 0.0000124 | 0.0173 | 0.218 | 0.0103 | 0.0397 | 0.0000241 | 64.3 | 0.0000518 | 0.00043 | 0.000264 | 0.00315 | 0.0729 |
| 2030 Dec | 304 | 0.00147 | 0.86 | 0.000442 | 24.3 | 0.119 | 167 | 0.0000123 | 0.0174 | 0.213 | 0.0103 | 0.0394 | 0.0000242 | 63.1 | 0.0000505 | 0.000428 | 0.000266 | 0.0031 | 0.0734 |
| 2031 Jan | 298 | 0.00168 | 0.866 | 0.000455 | 24.2 | 0.118 | 163 | 0.0000122 | 0.0174 | 0.207 | 0.0103 | 0.0391 | 0.0000243 | 61.8 | 0.0000494 | 0.000427 | 0.000267 | 0.00305 | 0.0738 |
| 2031 Feb | 293 | 0.00186 | 0.872 | 0.000466 | 24.1 | 0.117 | 159 | 0.0000121 | 0.0173 | 0.203 | 0.0103 | 0.0388 | 0.0000244 | 60.7 | 0.0000484 | 0.000426 | 0.000269 | 0.00301 | 0.0742 |
| 2031 Mar | 288 | 0.00203 | 0.876 | 0.000476 | 24 | 0.116 | 156 | 0.000012 | 0.0173 | 0.198 | 0.0103 | 0.0385 | 0.0000244 | 59.7 | 0.0000474 | 0.000425 | 0.00027 | 0.00296 | 0.0745 |
| 2031 Apr | 284 | 0.0022 | 0.881 | 0.000488 | 23.9 | 0.115 | 153 | 0.000012 | 0.0173 | 0.194 | 0.0103 | 0.0383 | 0.0000245 | 58.8 | 0.0000465 | 0.000424 | 0.000271 | 0.00292 | 0.0748 |
| 2031 May | 269 | 0.00318 | 0.899 | 0.000566 | 23.7 | 0.113 | 142 | 0.0000119 | 0.0175 | 0.179 | 0.0104 | 0.0375 | 0.0000249 | 55.4 | 0.0000432 | 0.000424 | 0.000277 | 0.00278 | 0.0764 |
| 2031 Jun | 236 | 0.000949 | 0.838 | 0.000731 | 22.9 | 0.105 | 118 | 0.0000109 | 0.0167 | 0.147 | 0.0101 | 0.035 | 0.0000243 | 47.9 | 0.0000363 | 0.000393 | 0.000286 | 0.00245 | 0.0779 |
| 2031 Jul | 160 | 0.000748 | 0.563 | 0.000676 | 20.2 | 0.0809 | 65.2 | 0.00000865 | 0.0133 | 0.0756 | 0.00876 | 0.0279 | 0.0000215 | 30.6 | 0.0000205 | 0.000301 | 0.000295 | 0.00161 | 0.0778 |
| 2031 Aug | 145 | 0.00075 | 0.499 | 0.000662 | 19.6 | 0.0758 | 55.5 | 0.00000814 | 0.0125 | 0.0628 | 0.00843 | 0.0264 | 0.0000207 | 27.4 | 0.0000176 | 0.00028 | 0.000294 | 0.00145 | 0.0771 |
| 2031 Sep | 136 | 0.000859 | 0.456 | 0.000668 | 19.3 | 0.073 | 48.8 | 0.00000785 | 0.0122 | 0.0536 | 0.00828 | 0.0255 | 0.0000204 | 25.2 | 0.0000157 | 0.000268 | 0.000297 | 0.00134 | 0.0773 |
| 2031 Oct | 132 | 0.000913 | 0.443 | 0.000668 | 19 | 0.0718 | 46.8 | 0.00000772 | 0.0121 | 0.0508 | 0.00818 | 0.0251 | 0.0000202 | 24.5 | 0.000015 | 0.000263 | 0.000294 | 0.00131 | 0.0766 |
| 2031 Nov | 132 | 0.000922 | 0.445 | 0.000669 | 19 | 0.0718 | 46.7 | 0.00000772 | 0.0121 | 0.0507 | 0.00818 | 0.0251 | 0.0000202 | 24.5 | 0.000015 | 0.000263 | 0.000294 | 0.00131 | 0.0765 |
| 2031 Dec | 132 | 0.000921 | 0.446 | 0.00067 | 19 | 0.0718 | 46.6 | 0.00000772 | 0.0121 | 0.0505 | 0.00819 | 0.0251 | 0.0000202 | 24.4 | 0.000015 | 0.000264 | 0.000294 | 0.00131 | 0.0765 |
| 2032 Jan | 132 | 0.000921 | 0.448 | 0.00067 | 19 | 0.0718 | 46.4 | 0.00000772 | 0.0121 | 0.0503 | 0.00819 | 0.0251 | 0.0000202 | 24.4 | 0.0000149 | 0.000264 | 0.000294 | 0.00131 | 0.0766 |
| 2032 Feb | 132 | 0.000921 | 0.45 | 0.00067 | 19 | 0.0718 | 46.3 | 0.00000772 | 0.0121 | 0.0502 | 0.0082 | 0.0251 | 0.0000202 | 24.3 | 0.0000149 | 0.000264 | 0.000294 | 0.00131 | 0.0766 |
| 2032 Mar | 131 | 0.000921 | 0.451 | 0.00067 | 19 | 0.0718 | 46.2 | 0.00000772 | 0.0121 | 0.05 | 0.0082 | 0.0251 | 0.0000202 | 24.3 | 0.0000149 | 0.000264 | 0.000294 | 0.0013 | 0.0766 |
| 2032 Apr | 131 | 0.000921 | 0.453 | 0.000671 | 19 | 0.0718 | 46.1 | 0.00000772 | 0.0121 | 0.0499 | 0.0082 | 0.0251 | 0.0000203 | 24.3 | 0.0000148 | 0.000264 | 0.000294 | 0.0013 | 0.0766 |
| 2032 May | 131 | 0.000924 | 0.459 | 0.000672 | 19 | 0.0722 | 45.5 | 0.00000773 | 0.0123 | 0.0491 | 0.00823 | 0.0251 | 0.0000203 | 24.1 | 0.0000147 | 0.000266 | 0.000295 | 0.0013 | 0.0768 |
| 2032 Jun | 123 | 0.000572 | 0.434 | 0.00069 | 18.6 | 0.0715 | 40.8 | 0.0000076 | 0.0127 | 0.042 | 0.00815 | 0.0247 | 0.0000202 | 22.5 | 0.0000133 | 0.00026 | 0.000293 | 0.00126 | 0.076 |
| 2032 Jul | 115 | 0.00067 | 0.386 | 0.000681 | 18 | 0.0678 | 35.7 | 0.00000728 | 0.012 | 0.0356 | 0.00783 | 0.0235 | 0.0000193 | 20.6 | 0.0000118 | 0.000241 | 0.000287 | 0.00116 | 0.0737 |
| 2032 Aug | 108 | 0.000658 | 0.355 | 0.000664 | 17.6 | 0.065 | 31.7 | 0.00000704 | 0.0115 | 0.0306 | 0.00761 | 0.0227 | 0.0000186 | 19.2 | 0.0000106 | 0.000227 | 0.000284 | 0.00108 | 0.0725 |
| 2032 Sep | 106 | 0.000654 | 0.344 | 0.000657 | 17.4 | 0.064 | 30.4 | 0.00000695 | 0.0113 | 0.0291 | 0.00752 | 0.0223 | 0.0000184 | 18.7 | 0.0000102 | 0.000221 | 0.000282 | 0.00105 | 0.0719 |
| 2032 Oct | 106 | 0.000661 | 0.343 | 0.000657 | 17.4 | 0.064 | 30.4 | 0.00000694 | 0.0113 | 0.0291 | 0.00751 | 0.0223 | 0.0000183 | 18.7 | 0.0000102 | 0.000221 | 0.000282 | 0.00105 | 0.0718 |
| 2032 Nov | 106 | 0.000663 | 0.344 | 0.000657 | 17.4 | 0.0641 | 30.4 | 0.00000694 | 0.0113 | 0.0291 | 0.00752 | 0.0223 | 0.0000183 | 18.7 | 0.0000102 | 0.000221 | 0.000282 | 0.00106 | 0.0718 |
| 2032 Dec | 106 | 0.000662 | 0.344 | 0.000657 | 17.4 | 0.0642 | 30.3 | 0.00000694 | 0.0114 | 0.029 | 0.00752 | 0.0223 | 0.0000184 | 18.7 | 0.0000102 | 0.000221 | 0.000282 | 0.00106 | 0.0718 |
| 2033 Jan | 106 | 0.000662 | 0.344 | 0.000657 | 17.4 | 0.0642 | 30.3 | 0.00000694 | 0.0114 | 0.029 | 0.00752 | 0.0223 | 0.0000184 | 18.7 | 0.0000102 | 0.000221 | 0.000281 | 0.00106 | 0.0718 |
| 2033 Feb | 106 | 0.000662 | 0.344 | 0.000657 | 17.3 | 0.0642 | 30.3 | 0.00000694 | 0.0114 | 0.029 | 0.00752 | 0.0223 | 0.0000184 | 18.6 | 0.0000102 | 0.000221 | 0.000281 | 0.00106 | 0.0717 |
| 2033 Mar | 106 | 0.000662 | 0.345 | 0.000657 | 17.3 | 0.0642 | 30.3 | 0.00000694 | 0.0114 | 0.0289 | 0.00752 | 0.0223 | 0.0000184 | 18.6 | 0.0000102 | 0.000221 | 0.000281 | 0.00106 | 0.0717 |
| 2033 Apr | 106 | 0.000662 | 0.345 | 0.000657 | 17.3 | 0.0642 | 30.2 | 0.00000694 | 0.0114 | 0.0289 | 0.00752 | 0.0223 | 0.0000184 | 18.6 | 0.0000102 | 0.000221 | 0.000281 | 0.00106 | 0.0717 |
| 2033 May | 105 | 0.000749 | 0.345 | 0.000664 | 17.3 | 0.0649 | 30.2 | 0.00000699 | 0.0117 | 0.0288 | 0.00753 | 0.0224 | 0.0000184 | 18.6 | 0.0000102 | 0.000223 | 0.000281 | 0.00107 | 0.0715 |
| 2033 Jun | 104 | 0.000382 | 0.336 | 0.000688 | 17.1 | 0.0659 | 29.9 | 0.00000713 | 0.0124 | 0.028 | 0.00752 | 0.0224 | 0.0000183 | 18.4 | 0.0000101 | 0.000225 | 0.000277 | 0.00109 | 0.0704 |
| 2033 Jul | 101 | 0.000483 | 0.318 | 0.000675 | 16.8 | 0.0643 | 27.8 | 0.00000699 | 0.012 | 0.0256 | 0.00737 | 0.0219 | 0.0000178 | 17.6 | 0.00000947 | 0.000215 | 0.000274 | 0.00105 | 0.0693 |
| 2033 Aug | 97.9 | 0.000487 | 0.304 | 0.000665 | 16.6 | 0.0631 | 26.2 | 0.00000687 | 0.0118 | 0.0237 | 0.00727 | 0.0215 | 0.0000175 | 17 | 0.00000899 | 0.000207 | 0.000272 | 0.00102 | 0.0686 |
| 2033 Sep | 96.8 | 0.000522 | 0.298 | 0.00066 | 16.4 | 0.0626 | 25.7 | 0.00000681 | 0.0117 | 0.0231 | 0.0072 | 0.0213 | 0.0000173 | 16.8 | 0.00000885 | 0.000204 | 0.00027 | 0.00101 | 0.0681 |
| 2033 Oct | 96.3 | 0.00056 | 0.295 | 0.000659 | 16.3 | 0.0623 | 25.6 | 0.00000678 | 0.0117 | 0.023 | 0.00716 | 0.0212 | 0.0000172 | 16.7 | 0.00000881 | 0.000203 | 0.000269 | 0.001 | 0.0676 |
| 2033 Nov | 96.4 | 0.000581 | 0.295 | 0.00066 | 16.3 | 0.0624 | 25.7 | 0.00000678 | 0.0117 | 0.0231 | 0.00716 | 0.0212 | 0.0000172 | 16.7 | 0.00000883 | 0.000203 | 0.000268 | 0.001 | 0.0675 |
| 2033 Dec | 96.3 | 0.000581 | 0.295 | 0.00066 | 16.3 | 0.0624 | 25.6 | 0.00000678 | 0.0117 | 0.0231 | 0.00716 | 0.0212 | 0.0000172 | 16.7 | 0.00000883 | 0.000203 | 0.000268 | 0.001 | 0.0675 |

**Appendix D8. WT Pit**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2034 Jan | 96.3 | 0.000582 | 0.295 | 0.00066 | 16.3 | 0.0624 | 25.6 | 0.00000678 | 0.0117 | 0.023 | 0.00716 | 0.0212 | 0.0000172 | 16.7 | 0.00000882 | 0.000203 | 0.000268 | 0.001 | 0.0675 |
| 2034 Feb | 96.2 | 0.000582 | 0.295 | 0.00066 | 16.3 | 0.0624 | 25.6 | 0.00000678 | 0.0117 | 0.023 | 0.00716 | 0.0212 | 0.0000172 | 16.7 | 0.00000882 | 0.000203 | 0.000268 | 0.001 | 0.0675 |
| 2034 Mar | 96.2 | 0.000583 | 0.295 | 0.00066 | 16.3 | 0.0624 | 25.6 | 0.00000678 | 0.0117 | 0.023 | 0.00716 | 0.0212 | 0.0000172 | 16.7 | 0.00000881 | 0.000203 | 0.000268 | 0.001 | 0.0675 |
| 2034 Apr | 96.2 | 0.000584 | 0.295 | 0.00066 | 16.3 | 0.0624 | 25.6 | 0.00000678 | 0.0117 | 0.023 | 0.00716 | 0.0212 | 0.0000172 | 16.7 | 0.0000088 | 0.000203 | 0.000268 | 0.001 | 0.0675 |
| 2034 May | 96.1 | 0.000603 | 0.295 | 0.000661 | 16.3 | 0.0624 | 25.5 | 0.00000679 | 0.0117 | 0.023 | 0.00717 | 0.0212 | 0.0000172 | 16.7 | 0.0000088 | 0.000203 | 0.000268 | 0.001 | 0.0674 |
| 2034 Jun | 96.4 | 0.000392 | 0.29 | 0.000671 | 16.2 | 0.0627 | 26.1 | 0.00000682 | 0.0119 | 0.0238 | 0.00713 | 0.0212 | 0.000017 | 16.7 | 0.00000899 | 0.000201 | 0.000265 | 0.00101 | 0.0665 |
| 2034 Jul | 95.4 | 0.0000987 | 0.278 | 0.000663 | 16 | 0.0619 | 25.8 | 0.00000673 | 0.0117 | 0.0236 | 0.00703 | 0.0209 | 0.0000167 | 16.5 | 0.00000889 | 0.000194 | 0.000263 | 0.001 | 0.0656 |
| 2034 Aug | 94 | 0.000134 | 0.271 | 0.000655 | 15.9 | 0.0611 | 24.9 | 0.00000666 | 0.0115 | 0.0227 | 0.00696 | 0.0207 | 0.0000165 | 16.2 | 0.00000863 | 0.000189 | 0.000261 | 0.000981 | 0.0651 |
| 2034 Sep | 94.2 | 0.000149 | 0.268 | 0.000654 | 15.8 | 0.061 | 25.1 | 0.00000664 | 0.0115 | 0.023 | 0.00694 | 0.0206 | 0.0000164 | 16.3 | 0.0000087 | 0.000188 | 0.000261 | 0.000983 | 0.0649 |
| 2034 Oct | 94.3 | 0.000176 | 0.266 | 0.000653 | 15.8 | 0.061 | 25.3 | 0.00000662 | 0.0115 | 0.0233 | 0.00692 | 0.0206 | 0.0000164 | 16.3 | 0.00000876 | 0.000187 | 0.00026 | 0.000985 | 0.0647 |
| 2034 Nov | 94.3 | 0.000178 | 0.266 | 0.000652 | 15.8 | 0.061 | 25.3 | 0.00000662 | 0.0115 | 0.0233 | 0.00692 | 0.0206 | 0.0000164 | 16.3 | 0.00000876 | 0.000187 | 0.00026 | 0.000986 | 0.0647 |
| 2034 Dec | 94.2 | 0.000178 | 0.266 | 0.000652 | 15.8 | 0.0611 | 25.3 | 0.00000662 | 0.0115 | 0.0233 | 0.00692 | 0.0206 | 0.0000164 | 16.3 | 0.00000875 | 0.000187 | 0.00026 | 0.000986 | 0.0647 |
| 2035 Jan | 94.2 | 0.000179 | 0.266 | 0.000652 | 15.8 | 0.0611 | 25.3 | 0.00000662 | 0.0115 | 0.0233 | 0.00692 | 0.0206 | 0.0000164 | 16.3 | 0.00000875 | 0.000187 | 0.00026 | 0.000986 | 0.0646 |
| 2035 Feb | 94.2 | 0.000179 | 0.266 | 0.000652 | 15.8 | 0.0611 | 25.2 | 0.00000662 | 0.0115 | 0.0233 | 0.00692 | 0.0206 | 0.0000164 | 16.3 | 0.00000875 | 0.000187 | 0.00026 | 0.000986 | 0.0646 |
| 2035 Mar | 94.1 | 0.00018 | 0.266 | 0.000652 | 15.8 | 0.0611 | 25.2 | 0.00000662 | 0.0115 | 0.0232 | 0.00692 | 0.0206 | 0.0000164 | 16.3 | 0.00000874 | 0.000187 | 0.00026 | 0.000986 | 0.0646 |
| 2035 Apr | 94.1 | 0.00018 | 0.266 | 0.000652 | 15.8 | 0.0611 | 25.2 | 0.00000662 | 0.0115 | 0.0232 | 0.00692 | 0.0206 | 0.0000164 | 16.3 | 0.00000874 | 0.000187 | 0.00026 | 0.000986 | 0.0646 |
| 2035 May | 94.1 | 0.000184 | 0.266 | 0.000653 | 15.8 | 0.0611 | 25.2 | 0.00000662 | 0.0116 | 0.0232 | 0.00692 | 0.0206 | 0.0000164 | 16.2 | 0.00000873 | 0.000187 | 0.00026 | 0.000986 | 0.0646 |
| 2035 Jun | 94.4 | 0.00044 | 0.261 | 0.000658 | 15.7 | 0.062 | 25.7 | 0.00000665 | 0.012 | 0.0239 | 0.00691 | 0.0207 | 0.0000163 | 16.4 | 0.00000892 | 0.000187 | 0.000257 | 0.00101 | 0.0639 |
| 2035 Jul | 93.3 | 0.000518 | 0.253 | 0.000653 | 15.5 | 0.0615 | 25.2 | 0.00000659 | 0.0119 | 0.0234 | 0.00684 | 0.0205 | 0.000016 | 16.1 | 0.00000876 | 0.000182 | 0.000255 | 0.000997 | 0.0632 |
| 2035 Aug | 92.5 | 0.00052 | 0.248 | 0.000649 | 15.4 | 0.061 | 24.7 | 0.00000655 | 0.0118 | 0.0229 | 0.00679 | 0.0203 | 0.0000159 | 15.9 | 0.00000863 | 0.000178 | 0.000255 | 0.000985 | 0.0629 |
| 2035 Sep | 92.4 | 0.00054 | 0.244 | 0.000646 | 15.4 | 0.0608 | 24.8 | 0.00000652 | 0.0118 | 0.0231 | 0.00676 | 0.0203 | 0.0000158 | 15.9 | 0.00000865 | 0.000176 | 0.000253 | 0.000986 | 0.0625 |
| 2035 Oct | 92.1 | 0.000562 | 0.242 | 0.000645 | 15.3 | 0.0607 | 24.7 | 0.0000065 | 0.0118 | 0.0231 | 0.00673 | 0.0202 | 0.0000157 | 15.9 | 0.00000863 | 0.000175 | 0.000252 | 0.000984 | 0.0622 |
| 2035 Nov | 92.1 | 0.000571 | 0.241 | 0.000646 | 15.3 | 0.0608 | 24.8 | 0.0000065 | 0.0118 | 0.0232 | 0.00673 | 0.0202 | 0.0000157 | 15.9 | 0.00000866 | 0.000175 | 0.000252 | 0.000987 | 0.0621 |
| 2035 Dec | 92.1 | 0.000571 | 0.241 | 0.000646 | 15.3 | 0.0608 | 24.8 | 0.0000065 | 0.0118 | 0.0231 | 0.00673 | 0.0202 | 0.0000157 | 15.9 | 0.00000865 | 0.000175 | 0.000252 | 0.000987 | 0.0621 |
| 2036 Jan | 92 | 0.000571 | 0.241 | 0.000646 | 15.3 | 0.0609 | 24.8 | 0.0000065 | 0.0118 | 0.0231 | 0.00673 | 0.0202 | 0.0000157 | 15.9 | 0.00000865 | 0.000175 | 0.000252 | 0.000988 | 0.0621 |
| 2036 Feb | 92 | 0.000571 | 0.241 | 0.000646 | 15.3 | 0.0609 | 24.8 | 0.0000065 | 0.0119 | 0.0231 | 0.00673 | 0.0202 | 0.0000157 | 15.9 | 0.00000865 | 0.000175 | 0.000252 | 0.000988 | 0.0621 |
| 2036 Mar | 92 | 0.000571 | 0.241 | 0.000646 | 15.3 | 0.0609 | 24.8 | 0.0000065 | 0.0119 | 0.0231 | 0.00673 | 0.0202 | 0.0000157 | 15.9 | 0.00000865 | 0.000175 | 0.000252 | 0.000988 | 0.0621 |
| 2036 Apr | 92 | 0.000571 | 0.241 | 0.000646 | 15.3 | 0.0609 | 24.7 | 0.0000065 | 0.0119 | 0.0231 | 0.00673 | 0.0202 | 0.0000157 | 15.8 | 0.00000864 | 0.000175 | 0.000252 | 0.000988 | 0.0621 |
| 2036 May | 91.9 | 0.000572 | 0.241 | 0.000646 | 15.3 | 0.061 | 24.7 | 0.00000651 | 0.012 | 0.023 | 0.00673 | 0.0202 | 0.0000157 | 15.8 | 0.00000863 | 0.000176 | 0.000252 | 0.00099 | 0.062 |
| 2036 Jun | 91.6 | 0.000684 | 0.237 | 0.00065 | 15.2 | 0.0613 | 24.7 | 0.00000652 | 0.0121 | 0.0231 | 0.00672 | 0.0202 | 0.0000156 | 15.8 | 0.00000865 | 0.000175 | 0.00025 | 0.000996 | 0.0615 |
| 2036 Jul | 91.1 | 0.000737 | 0.231 | 0.000647 | 15.1 | 0.0609 | 24.6 | 0.00000648 | 0.0121 | 0.023 | 0.00666 | 0.0201 | 0.0000154 | 15.7 | 0.00000861 | 0.000171 | 0.000248 | 0.000989 | 0.0609 |
| 2036 Aug | 90.3 | 0.000733 | 0.227 | 0.000643 | 15 | 0.0604 | 24.1 | 0.00000644 | 0.0119 | 0.0226 | 0.00662 | 0.0199 | 0.0000153 | 15.5 | 0.00000847 | 0.000168 | 0.000247 | 0.000978 | 0.0605 |
| 2036 Sep | 90.2 | 0.000736 | 0.226 | 0.000642 | 15 | 0.0604 | 24.2 | 0.00000643 | 0.0119 | 0.0227 | 0.00661 | 0.0199 | 0.0000152 | 15.5 | 0.00000849 | 0.000167 | 0.000247 | 0.000979 | 0.0604 |
| 2036 Oct | 89.9 | 0.000749 | 0.224 | 0.00064 | 14.9 | 0.0604 | 24.1 | 0.00000641 | 0.012 | 0.0226 | 0.00658 | 0.0199 | 0.0000152 | 15.4 | 0.00000847 | 0.000166 | 0.000246 | 0.000979 | 0.0601 |
| 2036 Nov | 89.9 | 0.000751 | 0.224 | 0.00064 | 14.9 | 0.0604 | 24.1 | 0.00000641 | 0.012 | 0.0226 | 0.00658 | 0.0199 | 0.0000152 | 15.4 | 0.00000848 | 0.000167 | 0.000246 | 0.00098 | 0.0601 |
| 2036 Dec | 89.9 | 0.000751 | 0.224 | 0.00064 | 14.9 | 0.0604 | 24.1 | 0.00000641 | 0.012 | 0.0226 | 0.00658 | 0.0199 | 0.0000152 | 15.4 | 0.00000847 | 0.000166 | 0.000246 | 0.00098 | 0.0601 |
| 2037 Jan | 89.9 | 0.000752 | 0.224 | 0.00064 | 14.9 | 0.0604 | 24.1 | 0.00000641 | 0.012 | 0.0226 | 0.00658 | 0.0199 | 0.0000152 | 15.4 | 0.00000847 | 0.000166 | 0.000246 | 0.00098 | 0.0601 |
| 2037 Feb | 89.9 | 0.000752 | 0.223 | 0.00064 | 14.9 | 0.0604 | 24.1 | 0.00000641 | 0.012 | 0.0226 | 0.00658 | 0.0199 | 0.0000152 | 15.4 | 0.00000847 | 0.000166 | 0.000246 | 0.00098 | 0.0601 |
| 2037 Mar | 89.8 | 0.000753 | 0.223 | 0.00064 | 14.9 | 0.0604 | 24.1 | 0.00000641 | 0.012 | 0.0226 | 0.00658 | 0.0199 | 0.0000152 | 15.4 | 0.00000847 | 0.000166 | 0.000246 | 0.00098 | 0.0601 |
| 2037 Apr | 89.8 | 0.000754 | 0.223 | 0.00064 | 14.9 | 0.0605 | 24 | 0.00000641 | 0.012 | 0.0226 | 0.00658 | 0.0199 | 0.0000152 | 15.4 | 0.00000846 | 0.000166 | 0.000246 | 0.00098 | 0.06 |
| 2037 May | 89.7 | 0.000777 | 0.223 | 0.000641 | 14.9 | 0.0608 | 24.1 | 0.00000641 | 0.0122 | 0.0226 | 0.00658 | 0.0199 | 0.0000152 | 15.4 | 0.00000847 | 0.000167 | 0.000245 | 0.000987 | 0.0599 |
| 2037 Jun | 89.7 | 0.000352 | 0.219 | 0.000647 | 14.7 | 0.0613 | 24.5 | 0.00000644 | 0.0125 | 0.0232 | 0.00656 | 0.0199 | 0.0000151 | 15.4 | 0.0000086 | 0.000167 | 0.000242 | 0.001 | 0.0591 |
| 2037 Jul | 88.9 | 0.0000907 | 0.215 | 0.000642 | 14.6 | 0.0609 | 24.1 | 0.00000639 | 0.0124 | 0.0228 | 0.00651 | 0.0198 | 0.0000149 | 15.3 | 0.0000085 | 0.000164 | 0.000241 | 0.000993 | 0.0586 |
| 2037 Aug | 87.9 | 0.000113 | 0.21 | 0.000638 | 14.5 | 0.0604 | 23.5 | 0.00000635 | 0.0123 | 0.0221 | 0.00647 | 0.0196 | 0.0000148 | 15 | 0.00000831 | 0.00016 | 0.00024 | 0.000979 | 0.0582 |
| 2037 Sep | 87 | 0.00013 | 0.207 | 0.000634 | 14.5 | 0.06 | 23 | 0.00000632 | 0.0123 | 0.0216 | 0.00644 | 0.0195 | 0.0000147 | 14.9 | 0.00000818 | 0.000158 | 0.000239 | 0.00097 | 0.0579 |
| 2037 Oct | 86.9 | 0.000137 | 0.206 | 0.000634 | 14.4 | 0.0601 | 23 | 0.00000632 | 0.0123 | 0.0215 | 0.00643 | 0.0195 | 0.0000146 | 14.8 | 0.00000817 | 0.000158 | 0.000239 | 0.00097 | 0.0578 |
| 2037 Nov | 86.8 | 0.000141 | 0.206 | 0.000634 | 14.4 | 0.0602 | 22.9 | 0.00000632 | 0.0123 | 0.0215 | 0.00643 | 0.0195 | 0.0000146 | 14.8 | 0.00000816 | 0.000158 | 0.000238 | 0.000972 | 0.0578 |
| 2037 Dec | 86.7 | 0.000144 | 0.206 | 0.000633 | 14.4 | 0.0602 | 22.9 | 0.00000632 | 0.0124 | 0.0214 | 0.00643 | 0.0195 | 0.0000146 | 14.8 | 0.00000815 | 0.000158 | 0.000238 | 0.000973 | 0.0577 |
| 2038 Jan | 86.6 | 0.000147 | 0.205 | 0.000633 | 14.4 | 0.0603 | 22.8 | 0.00000632 | 0.0124 | 0.0214 | 0.00643 | 0.0195 | 0.0000146 | 14.8 | 0.00000814 | 0.000158 | 0.000238 | 0.000973 | 0.0576 |
| 2038 Feb | 86.5 | 0.00015 | 0.205 | 0.000633 | 14.4 | 0.0603 | 22.8 | 0.00000632 | 0.0125 | 0.0213 | 0.00643 | 0.0195 | 0.0000146 | 14.8 | 0.00000813 | 0.000158 | 0.000238 | 0.000974 | 0.0576 |
| 2038 Mar | 86.4 | 0.000153 | 0.205 | 0.000633 | 14.4 | 0.0604 | 22.8 | 0.00000632 | 0.0125 | 0.0213 | 0.00643 | 0.0195 | 0.0000146 | 14.7 | 0.00000812 | 0.000158 | 0.000238 | 0.000975 | 0.0575 |
| 2038 Apr | 86.3 | 0.000156 | 0.205 | 0.000633 | 14.4 | 0.0604 | 22.7 | 0.00000632 | 0.0125 | 0.0212 | 0.00642 | 0.0195 | 0.0000146 | 14.7 | 0.00000811 | 0.000158 | 0.000237 | 0.000975 | 0.0575 |
| 2038 May | 86.3 | 0.000167 | 0.204 | 0.000633 | 14.4 | 0.0605 | 22.7 | 0.00000632 | 0.0126 | 0.0212 | 0.00642 | 0.0195 | 0.0000146 | 14.7 | 0.00000811 | 0.000158 | 0.000237 | 0.000977 | 0.0574 |
| 2038 Jun | 86.7 | 0.000292 | 0.203 | 0.000636 | 14.3 | 0.0609 | 23.1 | 0.00000633 | 0.0127 | 0.0217 | 0.00642 | 0.0195 | 0.0000146 | 14.8 | 0.00000823 | 0.000158 | 0.000237 | 0.000988 | 0.0572 |
| 2038 Jul | 85.8 | 0.000321 | 0.199 | 0.000633 | 14.3 | 0.0605 | 22.6 | 0.0000063 | 0.0127 | 0.0211 | 0.00639 | 0.0194 | 0.0000145 | 14.6 | 0.00000807 | 0.000155 | 0.000236 | 0.000976 | 0.0569 |
| 2038 Aug | 85.4 | 0.000324 | 0.197 | 0.000631 | 14.2 | 0.0603 | 22.3 | 0.00000629 | 0.0126 | 0.0209 | 0.00637 | 0.0194 | 0.0000144 | 14.5 | 0.00000801 | 0.000154 | 0.000235 | 0.000972 | 0.0567 |
| 2038 Sep | 85.4 | 0.000329 | 0.197 | 0.000631 | 14.2 | 0.0604 | 22.4 | 0.00000629 | 0.0127 | 0.0209 | 0.00637 | 0.0194 | 0.0000144 | 14.5 | 0.00000802 | 0.000154 | 0.000235 | 0.000974 | 0.0566 |
| 2038 Oct | 85.2 | 0.000337 | 0.196 | 0.000631 | 14.2 | 0.0604 | 22.3 | 0.00000628 | 0.0127 | 0.0209 | 0.00636 | 0.0193 | 0.0000144 | 14.5 | 0.000008 | 0.000153 | 0.000234 | 0.000974 | 0.0565 |
| 2038 Nov | 85 | 0.00034 | 0.195 | 0.000631 | 14.2 | 0.0605 | 22.3 | 0.00000628 | 0.0128 | 0.0208 | 0.00636 | 0.0193 | 0.0000144 | 14.5 | 0.00000799 | 0.000153 | 0.000234 | 0.000976 | 0.0564 |
| 2038 Dec | 84.9 | 0.000343 | 0.195 | 0.000631 | 14.1 | 0.0606 | 22.2 | 0.00000628 | 0.0128 | 0.0207 | 0.00636 | 0.0193 | 0.0000144 | 14.4 | 0.00000798 | 0.000153 | 0.000234 | 0.000976 | 0.0564 |
| 2039 Jan | 84.8 | 0.000346 | 0.195 | 0.000631 | 14.1 | 0.0606 | 22.2 | 0.00000628 | 0.0129 | 0.0206 | 0.00636 | 0.0193 | 0.0000144 | 14.4 | 0.00000796 | 0.000153 | 0.000234 | 0.000976 | 0.0563 |
| 2039 Feb | 84.6 | 0.000346 | 0.194 | 0.000629 | 14.1 | 0.0605 | 22.1 | 0.00000626 | 0.0129 | 0.0206 | 0.00634 | 0.0193 | 0.0000143 | 14.4 | 0.00000794 | 0.000153 | 0.000233 | 0.000974 | 0.0561 |
| 2039 Mar | 84.3 | 0.000345 | 0.193 | 0.000627 | 14 | 0.0603 | 22 | 0.00000624 | 0.0128 | 0.0205 | 0.00632 | 0.0192 | 0.0000143 | 14.3 | 0.00000792 | 0.000152 | 0.000232 | 0.000971 | 0.056 |
| 2039 Apr | 84 | 0.000344 | 0.193 | 0.000625 | 14 | 0.0601 | 21.9 | 0.00000622 | 0.0128 | 0.0204 | 0.0063 | 0.0192 | 0.0000142 | 14.3 | 0.00000789 | 0.000152 | 0.000232 | 0.000968 | 0.0558 |
| 2039 May | 83.7 | 0.000343 | 0.192 | 0.000623 | 14 | 0.0599 | 21.9 | 0.0000062 | 0.0127 | 0.0204 | 0.00628 | 0.0191 | 0.0000142 | 14.2 | 0.00000786 | 0.000151 | 0.000231 | 0.000965 | 0.0556 |
| 2039 Jun | 83.6 | 0.000413 | 0.19 | 0.000623 | 13.9 | 0.0601 | 21.9 | 0.0000062 | 0.0129 | 0.0205 | 0.00627 | 0.0191 | 0.0000142 | 14.2 | 0.00000788 | 0.000151 | 0.00023 | 0.000971 | 0.0553 |
| 2039 Jul | 83.3 | 0.000459 | 0.188 | 0.000622 | 13.9 | 0.06 | 21.8 | 0.00000619 | 0.0129 | 0.0204 | 0.00625 | 0.0191 | 0.0000141 | 14.2 | 0.00000784 | 0.00015 | 0.000229 | 0.000969 | 0.055 |
| 2039 Aug | 82.7 | 0.000472 | 0.185 | 0.00062 | 13.8 | 0.0599 | 21.4 | 0.00000617 | 0.0129 | 0.0199 | 0.00623 | 0.019 | 0.000014 | 14 | 0.00000773 | 0.000148 | 0.000229 | 0.000963 | 0.0549 |

**Appendix D8. WT Pit**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000498 | 7.45 | 0.00471 | 10.4 | 0.209 | 0.00588 | 6.56 | 0.00484 | 0.0108 | 0.0000699 | 0.00162 | 0.00092 | 0.16 | 0.000005 | 0.00112 | 0.00025 | 0.00222 | 0.0288 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000516 | 8.99 | 0.00644 | 13.2 | 0.289 | 0.00856 | 7.52 | 0.0313 | 0.0156 | 0.0000954 | 0.00172 | 0.00102 | 0.219 | 0.00000561 | 0.00147 | 0.000303 | 0.00255 | 0.0472 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000658 | 9.34 | 0.00677 | 28.5 | 0.305 | 0.0226 | 7.7 | 0.169 | 0.0165 | 0.0001 | 0.00228 | 0.00153 | 0.23 | 0.0000106 | 0.00153 | 0.000587 | 0.00281 | 0.0507 |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Aug., 2039): Min | 0.0000038 | 2.05 | 0.00213 | 2.98 | 0.0399 | 0.00154 | 1.37 | 0.01 | 0.00324 | 0.0000318 | 0.000226 | 0.00011 | 0.072 | 0.00000625 | 0.000219 | 0.000431 | 0.00159 | 0.000613 |
| Active Closure (Jul., 2028 to Aug., 2039): Average | 0.00000446 | 2.82 | 0.00259 | 9.33 | 0.0671 | 0.00695 | 2.12 | 0.0561 | 0.00562 | 0.0000523 | 0.000615 | 0.000408 | 0.0874 | 0.00000735 | 0.000313 | 0.000593 | 0.00192 | 0.00159 |
| Active Closure (Jul., 2028 to Aug., 2039): Max | 0.0000075 | 6.56 | 0.00409 | 49.2 | 0.167 | 0.0416 | 5.77 | 0.355 | 0.00878 | 0.0000593 | 0.00255 | 0.00221 | 0.142 | 0.0000156 | 0.000929 | 0.000937 | 0.00228 | 0.0208 |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Aug 2039) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2024 Feb | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2024 Mar | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2024 Apr | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2024 May | 0.00000505 | 8.37 | 0.00588 | 16.6 | 0.261 | 0.012 | 7.14 | 0.065 | 0.014 | 0.0000867 | 0.00177 | 0.0011 | 0.201 | 0.00000559 | 0.00135 | 0.000365 | 0.00241 | 0.0414 |
| 2024 Jun | 0.00000532 | 8.53 | 0.00589 | 18.9 | 0.265 | 0.0142 | 7.33 | 0.0838 | 0.0141 | 0.0000874 | 0.00193 | 0.00121 | 0.2 | 0.00000605 | 0.00139 | 0.000403 | 0.00244 | 0.0418 |
| 2024 Jul | 0.00000534 | 8.82 | 0.0062 | 15.9 | 0.28 | 0.0112 | 7.46 | 0.0561 | 0.015 | 0.0000921 | 0.00184 | 0.00111 | 0.211 | 0.00000607 | 0.00144 | 0.000352 | 0.00252 | 0.0448 |
| 2024 Aug | 0.00000526 | 8.81 | 0.00621 | 15.7 | 0.28 | 0.0111 | 7.46 | 0.0545 | 0.015 | 0.0000922 | 0.00182 | 0.0011 | 0.211 | 0.00000585 | 0.00144 | 0.000347 | 0.00251 | 0.045 |
| 2024 Sep | 0.00000585 | 8.81 | 0.00613 | 15.5 | 0.276 | 0.011 | 7.31 | 0.0569 | 0.0148 | 0.0000916 | 0.00189 | 0.00109 | 0.207 | 0.00000779 | 0.00139 | 0.000364 | 0.0026 | 0.0431 |
| 2024 Oct | 0.00000507 | 9.22 | 0.00671 | 10.6 | 0.302 | 0.00608 | 7.65 | 0.0073 | 0.0164 | 0.0001 | 0.00163 | 0.000923 | 0.229 | 0.00000528 | 0.00152 | 0.000256 | 0.00259 | 0.05 |
| 2024 Nov | 0.00000501 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00487 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.00000503 | 0.00153 | 0.00025 | 0.00259 | 0.0506 |
| 2024 Dec | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2025 Jan | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2025 Feb | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2025 Mar | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2025 Apr | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2025 May | 0.00000503 | 9.27 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00493 | 0.0165 | 0.0001 | 0.00163 | 0.00092 | 0.23 | 0.00000509 | 0.00153 | 0.000251 | 0.0026 | 0.0506 |
| 2025 Jun | 0.00000623 | 7.88 | 0.00508 | 24.2 | 0.226 | 0.0187 | 6.65 | 0.136 | 0.0119 | 0.000076 | 0.00213 | 0.00136 | 0.171 | 0.00000953 | 0.00117 | 0.000519 | 0.00243 | 0.0316 |
| 2025 Jul | 0.0000051 | 8.99 | 0.00645 | 13.3 | 0.29 | 0.00857 | 7.53 | 0.0311 | 0.0156 | 0.0000954 | 0.00171 | 0.00102 | 0.22 | 0.00000541 | 0.00148 | 0.000301 | 0.00254 | 0.0474 |
| 2025 Aug | 0.00000513 | 8.48 | 0.00586 | 19.2 | 0.264 | 0.014 | 7.28 | 0.083 | 0.014 | 0.0000868 | 0.00188 | 0.00122 | 0.2 | 0.00000558 | 0.00138 | 0.000398 | 0.00241 | 0.0417 |
| 2025 Sep | 0.00000501 | 8.55 | 0.00603 | 16.4 | 0.269 | 0.0115 | 7.27 | 0.0598 | 0.0144 | 0.000089 | 0.00176 | 0.00111 | 0.206 | 0.00000535 | 0.00139 | 0.000353 | 0.00243 | 0.0431 |
| 2025 Oct | 0.00000498 | 9.01 | 0.00654 | 11.7 | 0.292 | 0.0071 | 7.52 | 0.0175 | 0.0159 | 0.0000989 | 0.00164 | 0.000953 | 0.223 | 0.00000512 | 0.00148 | 0.000274 | 0.00254 | 0.0482 |
| 2025 Nov | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.00000501 | 0.00153 | 0.00025 | 0.00259 | 0.0506 |
| 2025 Dec | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2026 Jan | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2026 Feb | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2026 Mar | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2026 Apr | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2026 May | 0.00000537 | 9.11 | 0.00656 | 11.4 | 0.294 | 0.00691 | 7.5 | 0.017 | 0.016 | 0.0000973 | 0.00169 | 0.000945 | 0.223 | 0.00000633 | 0.00147 | 0.000281 | 0.00261 | 0.0478 |
| 2026 Jun | 0.0000052 | 7.78 | 0.00512 | 25.3 | 0.228 | 0.0196 | 6.83 | 0.139 | 0.0119 | 0.0000756 | 0.00202 | 0.00143 | 0.175 | 0.00000619 | 0.00124 | 0.000511 | 0.00225 | 0.0339 |
| 2026 Jul | 0.0000051 | 8.62 | 0.00601 | 18.2 | 0.271 | 0.0131 | 7.38 | 0.0735 | 0.0144 | 0.000089 | 0.00185 | 0.0012 | 0.205 | 0.00000544 | 0.00141 | 0.000382 | 0.00243 | 0.0433 |
| 2026 Aug | 0.00000509 | 8.79 | 0.0062 | 16.3 | 0.28 | 0.0113 | 7.47 | 0.0568 | 0.0149 | 0.0000918 | 0.0018 | 0.00113 | 0.211 | 0.00000534 | 0.00145 | 0.00035 | 0.00247 | 0.0452 |
| 2026 Sep | 0.00000506 | 8.95 | 0.00639 | 14.3 | 0.288 | 0.00942 | 7.54 | 0.0387 | 0.0155 | 0.0000946 | 0.00174 | 0.00106 | 0.218 | 0.00000523 | 0.00147 | 0.000315 | 0.00251 | 0.047 |
| 2026 Oct | 0.00000502 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00491 | 0.0165 | 0.0001 | 0.00163 | 0.00092 | 0.23 | 0.00000507 | 0.00153 | 0.000251 | 0.00259 | 0.0506 |
| 2026 Nov | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2026 Dec | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2027 Jan | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2027 Feb | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2027 Mar | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2027 Apr | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2027 May | 0.00000646 | 9.34 | 0.00658 | 11 | 0.297 | 0.00666 | 7.44 | 0.0185 | 0.0162 | 0.0000989 | 0.00184 | 0.00093 | 0.22 | 0.00000972 | 0.00143 | 0.000305 | 0.00281 | 0.0465 |
| 2027 Jun | 0.00000552 | 7.45 | 0.00471 | 28.5 | 0.209 | 0.0226 | 6.57 | 0.169 | 0.0108 | 0.0000699 | 0.00214 | 0.00153 | 0.16 | 0.00000737 | 0.00114 | 0.000575 | 0.00222 | 0.0293 |
| 2027 Jul | 0.0000054 | 8.93 | 0.00633 | 14.4 | 0.285 | 0.00958 | 7.45 | 0.042 | 0.0153 | 0.0000939 | 0.00178 | 0.00106 | 0.215 | 0.00000637 | 0.00144 | 0.000329 | 0.00256 | 0.0457 |
| 2027 Aug | 0.0000053 | 8.7 | 0.00607 | 17.3 | 0.273 | 0.0122 | 7.37 | 0.0664 | 0.0146 | 0.0000901 | 0.00185 | 0.00116 | 0.206 | 0.00000608 | 0.00141 | 0.000373 | 0.00248 | 0.0435 |
| 2027 Sep | 0.00000507 | 8.29 | 0.00573 | 19.2 | 0.255 | 0.014 | 7.11 | 0.0843 | 0.0136 | 0.0000846 | 0.00184 | 0.00121 | 0.196 | 0.00000566 | 0.00134 | 0.000404 | 0.00237 | 0.0401 |
| 2027 Oct | 0.00000511 | 9.12 | 0.0066 | 11.7 | 0.296 | 0.00708 | 7.59 | 0.0171 | 0.0161 | 0.0000987 | 0.00167 | 0.000961 | 0.225 | 0.00000543 | 0.0015 | 0.000276 | 0.00257 | 0.0488 |
| 2027 Nov | 0.00000509 | 9.28 | 0.00677 | 10.4 | 0.305 | 0.00589 | 7.69 | 0.00515 | 0.0165 | 0.0001 | 0.00164 | 0.00092 | 0.23 | 0.00000527 | 0.00153 | 0.000252 | 0.00261 | 0.0506 |
| 2027 Dec | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2028 Jan | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.69 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2028 Feb | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2028 Mar | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2028 Apr | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2028 May | 0.000005 | 9.26 | 0.00676 | 10.4 | 0.304 | 0.00588 | 7.7 | 0.00484 | 0.0165 | 0.0001 | 0.00162 | 0.00092 | 0.23 | 0.000005 | 0.00153 | 0.00025 | 0.00259 | 0.0507 |
| 2028 Jun | 0.00000658 | 7.76 | 0.00481 | 27.5 | 0.216 | 0.0218 | 6.56 | 0.165 | 0.0112 | 0.0000727 | 0.00228 | 0.0015 | 0.161 | 0.0000106 | 0.00112 | 0.000587 | 0.00242 | 0.0288 |
| 2028 Jul | 0.00000532 | 6.56 | 0.00409 | 28.7 | 0.167 | 0.0229 | 5.77 | 0.178 | 0.00878 | 0.0000593 | 0.00198 | 0.00146 | 0.142 | 0.0000078 | 0.000929 | 0.000602 | 0.00209 | 0.0208 |
| 2028 Aug | 0.00000535 | 5.28 | 0.00253 | 46.6 | 0.0983 | 0.0393 | 5.25 | 0.333 | 0.00432 | 0.0000363 | 0.00249 | 0.00212 | 0.0891 | 0.00000793 | 0.000707 | 0.000898 | 0.00173 | 0.00588 |
| 2028 Sep | 0.00000526 | 4.98 | 0.00223 | 49.2 | 0.0851 | 0.0416 | 5.1 | 0.355 | 0.00349 | 0.0000318 | 0.00255 | 0.00221 | 0.0788 | 0.00000774 | 0.000661 | 0.000937 | 0.00164 | 0.00326 |
| 2028 Oct | 0.00000497 | 4.61 | 0.00213 | 44.3 | 0.0749 | 0.0373 | 4.64 | 0.319 | 0.00324 | 0.0000343 | 0.00229 | 0.00198 | 0.0767 | 0.00000764 | 0.000577 | 0.000862 | 0.00159 | 0.00188 |

**Appendix D8. WT Pit**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Nov | 0.00000499 | 4.6 | 0.00216 | 43 | 0.0746 | 0.0362 | 4.57 | 0.31 | 0.00332 | 0.0000378 | 0.00224 | 0.00192 | 0.0778 | 0.00000786 | 0.000563 | 0.000846 | 0.00162 | 0.0018 |
| 2028 Dec | 0.00000499 | 4.6 | 0.00216 | 43 | 0.0746 | 0.0361 | 4.57 | 0.309 | 0.00332 | 0.0000378 | 0.00224 | 0.00192 | 0.0779 | 0.00000786 | 0.000563 | 0.000845 | 0.00162 | 0.00179 |
| 2029 Jan | 0.00000499 | 4.6 | 0.00216 | 43 | 0.0746 | 0.0361 | 4.57 | 0.309 | 0.00332 | 0.0000378 | 0.00224 | 0.00192 | 0.0779 | 0.00000786 | 0.000563 | 0.000845 | 0.00162 | 0.00179 |
| 2029 Feb | 0.00000499 | 4.6 | 0.00216 | 42.9 | 0.0746 | 0.0361 | 4.57 | 0.309 | 0.00332 | 0.0000378 | 0.00224 | 0.00192 | 0.0779 | 0.00000786 | 0.000563 | 0.000845 | 0.00162 | 0.00179 |
| 2029 Mar | 0.00000499 | 4.6 | 0.00216 | 42.9 | 0.0746 | 0.0361 | 4.57 | 0.309 | 0.00332 | 0.0000378 | 0.00224 | 0.00192 | 0.0779 | 0.00000786 | 0.000563 | 0.000845 | 0.00162 | 0.00179 |
| 2029 Apr | 0.00000499 | 4.6 | 0.00216 | 43 | 0.0746 | 0.0361 | 4.57 | 0.309 | 0.00332 | 0.0000378 | 0.00224 | 0.00192 | 0.0779 | 0.00000786 | 0.000563 | 0.000845 | 0.00162 | 0.00179 |
| 2029 May | 0.00000516 | 4.67 | 0.00219 | 43.1 | 0.0762 | 0.0362 | 4.6 | 0.31 | 0.00341 | 0.0000384 | 0.00227 | 0.00192 | 0.0785 | 0.00000834 | 0.000565 | 0.000851 | 0.00165 | 0.0018 |
| 2029 Jun | 0.0000075 | 5.28 | 0.0026 | 35.3 | 0.0984 | 0.0295 | 4.32 | 0.258 | 0.0049 | 0.0000455 | 0.00234 | 0.00161 | 0.0866 | 0.0000156 | 0.000499 | 0.00084 | 0.00218 | 0.0014 |
| 2029 Jul | 0.00000629 | 4.39 | 0.00273 | 24.4 | 0.112 | 0.02 | 3.52 | 0.171 | 0.00539 | 0.0000497 | 0.00161 | 0.00111 | 0.0966 | 0.0000116 | 0.000475 | 0.000877 | 0.00212 | 0.00198 |
| 2029 Aug | 0.00000605 | 4.23 | 0.00273 | 22.9 | 0.113 | 0.0187 | 3.4 | 0.159 | 0.00541 | 0.0000502 | 0.0015 | 0.00104 | 0.0973 | 0.0000108 | 0.000473 | 0.00088 | 0.00209 | 0.00211 |
| 2029 Sep | 0.00000601 | 4.12 | 0.00273 | 21.2 | 0.114 | 0.0172 | 3.26 | 0.146 | 0.00549 | 0.0000509 | 0.00141 | 0.000966 | 0.0973 | 0.0000107 | 0.000466 | 0.000876 | 0.00209 | 0.00221 |
| 2029 Oct | 0.00000611 | 4.11 | 0.00277 | 20 | 0.117 | 0.0163 | 3.2 | 0.137 | 0.00563 | 0.0000521 | 0.00138 | 0.000918 | 0.0983 | 0.0000109 | 0.000465 | 0.00088 | 0.00213 | 0.00229 |
| 2029 Nov | 0.00000611 | 4.07 | 0.0028 | 19.2 | 0.118 | 0.0155 | 3.15 | 0.13 | 0.00572 | 0.000053 | 0.00133 | 0.00088 | 0.0994 | 0.0000108 | 0.000465 | 0.000884 | 0.00214 | 0.00238 |
| 2029 Dec | 0.0000061 | 4.04 | 0.00282 | 18.4 | 0.12 | 0.0148 | 3.1 | 0.124 | 0.0058 | 0.0000538 | 0.00129 | 0.000846 | 0.101 | 0.0000107 | 0.000465 | 0.000888 | 0.00216 | 0.00246 |
| 2030 Jan | 0.00000608 | 4.02 | 0.00283 | 18.1 | 0.12 | 0.0145 | 3.08 | 0.122 | 0.00582 | 0.000054 | 0.00127 | 0.000831 | 0.101 | 0.0000106 | 0.000465 | 0.000889 | 0.00216 | 0.00249 |
| 2030 Feb | 0.00000608 | 4.02 | 0.00283 | 18 | 0.12 | 0.0145 | 3.08 | 0.122 | 0.00582 | 0.000054 | 0.00127 | 0.00083 | 0.101 | 0.0000106 | 0.000465 | 0.000889 | 0.00216 | 0.00249 |
| 2030 Mar | 0.00000608 | 4.02 | 0.00283 | 18 | 0.12 | 0.0145 | 3.08 | 0.122 | 0.00582 | 0.000054 | 0.00127 | 0.00083 | 0.101 | 0.0000106 | 0.000465 | 0.000889 | 0.00216 | 0.00249 |
| 2030 Apr | 0.00000608 | 4.02 | 0.00283 | 18 | 0.12 | 0.0145 | 3.08 | 0.122 | 0.00582 | 0.0000541 | 0.00127 | 0.00083 | 0.101 | 0.0000106 | 0.000465 | 0.000889 | 0.00216 | 0.0025 |
| 2030 May | 0.00000609 | 4.02 | 0.00283 | 18.1 | 0.12 | 0.0145 | 3.08 | 0.122 | 0.00583 | 0.0000541 | 0.00127 | 0.000831 | 0.101 | 0.0000106 | 0.000466 | 0.00089 | 0.00216 | 0.0025 |
| 2030 Jun | 0.0000064 | 4.04 | 0.00297 | 15.4 | 0.125 | 0.0122 | 2.96 | 0.101 | 0.00624 | 0.0000572 | 0.00119 | 0.000716 | 0.105 | 0.0000113 | 0.000464 | 0.000899 | 0.00227 | 0.00265 |
| 2030 Jul | 0.00000624 | 3.92 | 0.003 | 14.4 | 0.125 | 0.0114 | 2.88 | 0.0933 | 0.00629 | 0.0000579 | 0.0011 | 0.000672 | 0.107 | 0.0000105 | 0.000473 | 0.00091 | 0.00227 | 0.00277 |
| 2030 Aug | 0.00000625 | 3.93 | 0.00301 | 14.7 | 0.125 | 0.0116 | 2.91 | 0.0951 | 0.0063 | 0.000058 | 0.0011 | 0.000683 | 0.107 | 0.0000104 | 0.000477 | 0.000916 | 0.00228 | 0.00277 |
| 2030 Sep | 0.00000622 | 3.92 | 0.003 | 14.7 | 0.124 | 0.0116 | 2.9 | 0.0954 | 0.00628 | 0.0000579 | 0.0011 | 0.000684 | 0.107 | 0.0000103 | 0.000478 | 0.000916 | 0.00227 | 0.00276 |
| 2030 Oct | 0.00000614 | 3.86 | 0.00297 | 14.5 | 0.123 | 0.0114 | 2.86 | 0.0936 | 0.00621 | 0.0000577 | 0.00108 | 0.000673 | 0.106 | 0.0000101 | 0.000475 | 0.000907 | 0.00225 | 0.00273 |
| 2030 Nov | 0.0000061 | 3.82 | 0.00296 | 14.2 | 0.122 | 0.0112 | 2.83 | 0.0911 | 0.00619 | 0.0000578 | 0.00105 | 0.000658 | 0.105 | 0.00000995 | 0.000472 | 0.000902 | 0.00224 | 0.00273 |
| 2030 Dec | 0.00000609 | 3.8 | 0.00297 | 13.9 | 0.122 | 0.0109 | 2.81 | 0.0889 | 0.00621 | 0.000058 | 0.00104 | 0.000645 | 0.106 | 0.00000989 | 0.000472 | 0.000901 | 0.00224 | 0.00275 |
| 2031 Jan | 0.00000608 | 3.79 | 0.00297 | 13.6 | 0.122 | 0.0107 | 2.78 | 0.0867 | 0.00623 | 0.0000581 | 0.00102 | 0.000633 | 0.106 | 0.00000984 | 0.000472 | 0.000901 | 0.00224 | 0.00276 |
| 2031 Feb | 0.00000608 | 3.77 | 0.00298 | 13.4 | 0.122 | 0.0105 | 2.77 | 0.0848 | 0.00624 | 0.0000582 | 0.00101 | 0.000622 | 0.106 | 0.00000979 | 0.000472 | 0.0009 | 0.00224 | 0.00277 |
| 2031 Mar | 0.00000607 | 3.76 | 0.00298 | 13.1 | 0.122 | 0.0103 | 2.75 | 0.0829 | 0.00626 | 0.0000583 | 0.000994 | 0.000611 | 0.106 | 0.00000974 | 0.000471 | 0.000899 | 0.00224 | 0.00279 |
| 2031 Apr | 0.00000606 | 3.74 | 0.00298 | 12.9 | 0.122 | 0.0101 | 2.73 | 0.0813 | 0.00627 | 0.0000584 | 0.000983 | 0.000601 | 0.106 | 0.00000971 | 0.000471 | 0.000898 | 0.00225 | 0.0028 |
| 2031 May | 0.00000609 | 3.72 | 0.00302 | 12.1 | 0.122 | 0.00939 | 2.69 | 0.0752 | 0.00638 | 0.000059 | 0.000943 | 0.000566 | 0.107 | 0.00000968 | 0.00047 | 0.000898 | 0.00227 | 0.00283 |
| 2031 Jun | 0.00000577 | 3.53 | 0.00305 | 10.4 | 0.112 | 0.00789 | 2.53 | 0.0622 | 0.00649 | 0.0000582 | 0.000817 | 0.000484 | 0.107 | 0.00000914 | 0.000441 | 0.000847 | 0.00224 | 0.00266 |
| 2031 Jul | 0.00000458 | 2.94 | 0.00298 | 6.52 | 0.084 | 0.00443 | 2.1 | 0.0332 | 0.00655 | 0.0000539 | 0.000506 | 0.000287 | 0.103 | 0.00000763 | 0.00033 | 0.000672 | 0.00204 | 0.00205 |
| 2031 Aug | 0.00000431 | 2.81 | 0.00295 | 5.8 | 0.0776 | 0.0038 | 2.01 | 0.028 | 0.00651 | 0.0000526 | 0.000445 | 0.00025 | 0.101 | 0.00000728 | 0.000305 | 0.000632 | 0.00199 | 0.0019 |
| 2031 Sep | 0.00000418 | 2.74 | 0.00295 | 5.31 | 0.0735 | 0.00336 | 1.95 | 0.0243 | 0.00654 | 0.0000522 | 0.000405 | 0.000225 | 0.1 | 0.00000711 | 0.000292 | 0.00061 | 0.00197 | 0.00181 |
| 2031 Oct | 0.00000413 | 2.7 | 0.00292 | 5.15 | 0.072 | 0.00323 | 1.93 | 0.0232 | 0.00648 | 0.0000528 | 0.000393 | 0.000217 | 0.0995 | 0.00000702 | 0.000287 | 0.000601 | 0.00196 | 0.00177 |
| 2031 Nov | 0.00000413 | 2.7 | 0.00292 | 5.14 | 0.072 | 0.00322 | 1.92 | 0.0232 | 0.00648 | 0.000053 | 0.000393 | 0.000217 | 0.0994 | 0.00000702 | 0.000288 | 0.000601 | 0.00196 | 0.00177 |
| 2031 Dec | 0.00000414 | 2.7 | 0.00292 | 5.13 | 0.0721 | 0.00322 | 1.92 | 0.0231 | 0.00648 | 0.0000531 | 0.000393 | 0.000217 | 0.0994 | 0.00000702 | 0.000288 | 0.000602 | 0.00196 | 0.00178 |
| 2032 Jan | 0.00000414 | 2.7 | 0.00292 | 5.12 | 0.0722 | 0.00321 | 1.92 | 0.023 | 0.00648 | 0.0000532 | 0.000393 | 0.000216 | 0.0994 | 0.00000702 | 0.000288 | 0.000602 | 0.00196 | 0.00178 |
| 2032 Feb | 0.00000414 | 2.7 | 0.00292 | 5.11 | 0.0723 | 0.0032 | 1.92 | 0.0229 | 0.00648 | 0.0000532 | 0.000392 | 0.000216 | 0.0994 | 0.00000702 | 0.000289 | 0.000603 | 0.00196 | 0.00178 |
| 2032 Mar | 0.00000415 | 2.7 | 0.00292 | 5.1 | 0.0724 | 0.0032 | 1.92 | 0.0229 | 0.00648 | 0.0000533 | 0.000392 | 0.000216 | 0.0995 | 0.00000703 | 0.000289 | 0.000603 | 0.00196 | 0.00179 |
| 2032 Apr | 0.00000415 | 2.7 | 0.00292 | 5.09 | 0.0724 | 0.00319 | 1.92 | 0.0228 | 0.00648 | 0.0000533 | 0.000392 | 0.000216 | 0.0995 | 0.00000703 | 0.000289 | 0.000604 | 0.00196 | 0.00179 |
| 2032 May | 0.00000419 | 2.71 | 0.00292 | 5.06 | 0.0728 | 0.00316 | 1.92 | 0.0225 | 0.00648 | 0.0000537 | 0.000392 | 0.000214 | 0.0996 | 0.00000705 | 0.000293 | 0.000608 | 0.00197 | 0.0018 |
| 2032 Jun | 0.00000426 | 2.67 | 0.0029 | 4.7 | 0.0701 | 0.00286 | 1.88 | 0.0198 | 0.00644 | 0.0000541 | 0.000374 | 0.000199 | 0.0985 | 0.00000703 | 0.000294 | 0.000602 | 0.00199 | 0.00174 |
| 2032 Jul | 0.00000405 | 2.56 | 0.00282 | 4.3 | 0.0648 | 0.00252 | 1.8 | 0.0172 | 0.0063 | 0.0000531 | 0.000335 | 0.000178 | 0.0954 | 0.00000679 | 0.000272 | 0.000566 | 0.00194 | 0.00158 |
| 2032 Aug | 0.00000388 | 2.47 | 0.00278 | 3.98 | 0.0613 | 0.00224 | 1.74 | 0.0151 | 0.00623 | 0.0000525 | 0.000305 | 0.00016 | 0.0935 | 0.0000066 | 0.000254 | 0.000539 | 0.0019 | 0.00147 |
| 2032 Sep | 0.00000382 | 2.44 | 0.00276 | 3.88 | 0.06 | 0.00215 | 1.72 | 0.0144 | 0.00619 | 0.0000522 | 0.000294 | 0.000154 | 0.0927 | 0.00000653 | 0.000248 | 0.000529 | 0.00188 | 0.00143 |
| 2032 Oct | 0.00000382 | 2.44 | 0.00275 | 3.88 | 0.0599 | 0.00215 | 1.72 | 0.0144 | 0.00619 | 0.0000523 | 0.000294 | 0.000154 | 0.0926 | 0.00000652 | 0.000248 | 0.000529 | 0.00188 | 0.00142 |
| 2032 Nov | 0.00000383 | 2.44 | 0.00275 | 3.88 | 0.0599 | 0.00215 | 1.72 | 0.0144 | 0.00618 | 0.0000524 | 0.000294 | 0.000154 | 0.0926 | 0.00000653 | 0.000249 | 0.000529 | 0.00188 | 0.00142 |
| 2032 Dec | 0.00000384 | 2.44 | 0.00275 | 3.87 | 0.0599 | 0.00215 | 1.72 | 0.0144 | 0.00618 | 0.0000524 | 0.000295 | 0.000154 | 0.0926 | 0.00000653 | 0.000249 | 0.00053 | 0.00189 | 0.00142 |
| 2033 Jan | 0.00000384 | 2.44 | 0.00275 | 3.87 | 0.06 | 0.00215 | 1.72 | 0.0144 | 0.00618 | 0.0000524 | 0.000295 | 0.000154 | 0.0926 | 0.00000653 | 0.000249 | 0.00053 | 0.00189 | 0.00142 |
| 2033 Feb | 0.00000385 | 2.44 | 0.00275 | 3.87 | 0.06 | 0.00215 | 1.72 | 0.0144 | 0.00618 | 0.0000524 | 0.000295 | 0.000154 | 0.0925 | 0.00000654 | 0.00025 | 0.00053 | 0.00189 | 0.00142 |
| 2033 Mar | 0.00000385 | 2.44 | 0.00275 | 3.87 | 0.06 | 0.00215 | 1.72 | 0.0143 | 0.00618 | 0.0000525 | 0.000295 | 0.000154 | 0.0925 | 0.00000654 | 0.00025 | 0.00053 | 0.00189 | 0.00142 |
| 2033 Apr | 0.00000385 | 2.44 | 0.00275 | 3.87 | 0.06 | 0.00215 | 1.72 | 0.0143 | 0.00618 | 0.0000525 | 0.000295 | 0.000154 | 0.0925 | 0.00000654 | 0.00025 | 0.00053 | 0.00189 | 0.00143 |
| 2033 May | 0.00000393 | 2.45 | 0.00275 | 3.86 | 0.06 | 0.00215 | 1.72 | 0.0143 | 0.00616 | 0.0000526 | 0.000299 | 0.000155 | 0.0923 | 0.0000066 | 0.000255 | 0.000535 | 0.0019 | 0.00142 |
| 2033 Jun | 0.00000409 | 2.45 | 0.00272 | 3.81 | 0.059 | 0.00214 | 1.7 | 0.0141 | 0.00609 | 0.0000527 | 0.000308 | 0.000155 | 0.091 | 0.00000673 | 0.000263 | 0.000539 | 0.00193 | 0.00139 |
| 2033 Jul | 0.00000399 | 2.4 | 0.00269 | 3.65 | 0.0568 | 0.002 | 1.66 | 0.0131 | 0.00603 | 0.0000523 | 0.00029 | 0.000146 | 0.0895 | 0.00000662 | 0.000252 | 0.000521 | 0.0019 | 0.00131 |
| 2033 Aug | 0.00000392 | 2.36 | 0.00266 | 3.52 | 0.0552 | 0.00188 | 1.64 | 0.0123 | 0.00599 | 0.000052 | 0.000276 | 0.000138 | 0.0886 | 0.00000653 | 0.000243 | 0.000508 | 0.00189 | 0.00125 |
| 2033 Sep | 0.00000388 | 2.34 | 0.00264 | 3.48 | 0.0544 | 0.00185 | 1.62 | 0.012 | 0.00595 | 0.0000517 | 0.000271 | 0.000136 | 0.0879 | 0.00000648 | 0.00024 | 0.000503 | 0.00188 | 0.00122 |
| 2033 Oct | 0.00000387 | 2.33 | 0.00263 | 3.46 | 0.054 | 0.00184 | 1.61 | 0.0119 | 0.00592 | 0.0000519 | 0.000269 | 0.000135 | 0.0873 | 0.00000646 | 0.000239 | 0.0005 | 0.00187 | 0.00121 |
| 2033 Nov | 0.00000388 | 2.33 | 0.00262 | 3.47 | 0.054 | 0.00185 | 1.61 | 0.012 | 0.00591 | 0.0000521 | 0.00027 | 0.000136 | 0.0872 | 0.00000646 | 0.000239 | 0.0005 | 0.00187 | 0.00121 |
| 2033 Dec | 0.00000388 | 2.33 | 0.00262 | 3.46 | 0.054 | 0.00184 | 1.61 | 0.012 | 0.00591 | 0.0000522 | 0.00027 | 0.000136 | 0.0872 | 0.00000646 | 0.000239 | 0.0005 | 0.00187 | 0.00121 |

**Appendix D8. WT Pit**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2034 Jan | 0.00000388 | 2.33 | 0.00262 | 3.46 | 0.054 | 0.00184 | 1.61 | 0.012 | 0.00591 | 0.0000522 | 0.00027 | 0.000135 | 0.0872 | 0.00000646 | 0.00024 | 0.0005 | 0.00187 | 0.00121 |
| 2034 Feb | 0.00000388 | 2.33 | 0.00262 | 3.46 | 0.054 | 0.00184 | 1.61 | 0.012 | 0.00591 | 0.0000522 | 0.00027 | 0.000135 | 0.0872 | 0.00000646 | 0.00024 | 0.0005 | 0.00187 | 0.00121 |
| 2034 Mar | 0.00000388 | 2.33 | 0.00262 | 3.46 | 0.054 | 0.00184 | 1.61 | 0.012 | 0.00591 | 0.0000522 | 0.00027 | 0.000135 | 0.0872 | 0.00000646 | 0.00024 | 0.0005 | 0.00187 | 0.00121 |
| 2034 Apr | 0.00000388 | 2.33 | 0.00262 | 3.46 | 0.054 | 0.00184 | 1.61 | 0.0119 | 0.00591 | 0.0000523 | 0.00027 | 0.000135 | 0.0872 | 0.00000646 | 0.00024 | 0.0005 | 0.00187 | 0.00121 |
| 2034 May | 0.00000389 | 2.33 | 0.00262 | 3.46 | 0.054 | 0.00184 | 1.61 | 0.0119 | 0.0059 | 0.0000524 | 0.00027 | 0.000135 | 0.0871 | 0.00000647 | 0.00024 | 0.000501 | 0.00187 | 0.00121 |
| 2034 Jun | 0.00000393 | 2.32 | 0.0026 | 3.49 | 0.0532 | 0.00187 | 1.6 | 0.0123 | 0.00584 | 0.0000526 | 0.000273 | 0.000137 | 0.0861 | 0.0000065 | 0.00024 | 0.000498 | 0.00187 | 0.00118 |
| 2034 Jul | 0.00000387 | 2.28 | 0.00257 | 3.45 | 0.0518 | 0.00184 | 1.58 | 0.0121 | 0.0058 | 0.0000526 | 0.000265 | 0.000134 | 0.085 | 0.00000644 | 0.000233 | 0.000488 | 0.00186 | 0.00112 |
| 2034 Aug | 0.00000381 | 2.26 | 0.00255 | 3.38 | 0.0508 | 0.00178 | 1.57 | 0.0117 | 0.00577 | 0.0000526 | 0.000256 | 0.000129 | 0.0844 | 0.00000638 | 0.000227 | 0.000479 | 0.00185 | 0.00108 |
| 2034 Sep | 0.0000038 | 2.25 | 0.00255 | 3.39 | 0.0505 | 0.00179 | 1.57 | 0.0118 | 0.00575 | 0.0000526 | 0.000256 | 0.00013 | 0.0841 | 0.00000637 | 0.000226 | 0.000477 | 0.00185 | 0.00107 |
| 2034 Oct | 0.0000038 | 2.25 | 0.00254 | 3.4 | 0.0503 | 0.0018 | 1.56 | 0.0119 | 0.00574 | 0.0000526 | 0.000255 | 0.00013 | 0.0839 | 0.00000636 | 0.000226 | 0.000476 | 0.00185 | 0.00106 |
| 2034 Nov | 0.00000381 | 2.25 | 0.00254 | 3.4 | 0.0503 | 0.0018 | 1.56 | 0.0119 | 0.00573 | 0.0000527 | 0.000256 | 0.00013 | 0.0838 | 0.00000636 | 0.000226 | 0.000476 | 0.00185 | 0.00106 |
| 2034 Dec | 0.00000381 | 2.25 | 0.00254 | 3.4 | 0.0503 | 0.0018 | 1.56 | 0.0119 | 0.00573 | 0.0000527 | 0.000256 | 0.00013 | 0.0838 | 0.00000636 | 0.000226 | 0.000476 | 0.00185 | 0.00106 |
| 2035 Jan | 0.00000381 | 2.25 | 0.00254 | 3.4 | 0.0502 | 0.0018 | 1.56 | 0.0119 | 0.00573 | 0.0000527 | 0.000256 | 0.00013 | 0.0838 | 0.00000636 | 0.000226 | 0.000476 | 0.00185 | 0.00106 |
| 2035 Feb | 0.00000381 | 2.25 | 0.00254 | 3.4 | 0.0502 | 0.0018 | 1.56 | 0.0119 | 0.00573 | 0.0000527 | 0.000256 | 0.00013 | 0.0838 | 0.00000636 | 0.000227 | 0.000476 | 0.00185 | 0.00106 |
| 2035 Mar | 0.00000381 | 2.25 | 0.00254 | 3.4 | 0.0502 | 0.0018 | 1.56 | 0.0119 | 0.00573 | 0.0000527 | 0.000256 | 0.00013 | 0.0838 | 0.00000636 | 0.000227 | 0.000476 | 0.00185 | 0.00105 |
| 2035 Apr | 0.00000381 | 2.25 | 0.00254 | 3.4 | 0.0502 | 0.0018 | 1.56 | 0.0119 | 0.00573 | 0.0000528 | 0.000256 | 0.00013 | 0.0838 | 0.00000636 | 0.000227 | 0.000476 | 0.00185 | 0.00105 |
| 2035 May | 0.00000382 | 2.25 | 0.00254 | 3.39 | 0.0502 | 0.0018 | 1.56 | 0.0118 | 0.00573 | 0.0000529 | 0.000256 | 0.00013 | 0.0837 | 0.00000637 | 0.000227 | 0.000477 | 0.00185 | 0.00105 |
| 2035 Jun | 0.00000392 | 2.25 | 0.00252 | 3.42 | 0.0497 | 0.00184 | 1.55 | 0.0122 | 0.00569 | 0.0000532 | 0.000261 | 0.000132 | 0.0829 | 0.00000643 | 0.000233 | 0.00048 | 0.00187 | 0.00103 |
| 2035 Jul | 0.00000389 | 2.23 | 0.0025 | 3.37 | 0.0487 | 0.0018 | 1.54 | 0.0119 | 0.00565 | 0.0000532 | 0.000255 | 0.000129 | 0.0821 | 0.00000639 | 0.000228 | 0.000472 | 0.00186 | 0.000982 |
| 2035 Aug | 0.00000386 | 2.21 | 0.00249 | 3.34 | 0.048 | 0.00176 | 1.53 | 0.0117 | 0.00563 | 0.0000532 | 0.000249 | 0.000126 | 0.0817 | 0.00000635 | 0.000224 | 0.000466 | 0.00185 | 0.000955 |
| 2035 Sep | 0.00000385 | 2.2 | 0.00248 | 3.34 | 0.0476 | 0.00176 | 1.52 | 0.0117 | 0.00561 | 0.0000531 | 0.000248 | 0.000126 | 0.0812 | 0.00000634 | 0.000223 | 0.000464 | 0.00185 | 0.000937 |
| 2035 Oct | 0.00000385 | 2.19 | 0.00247 | 3.33 | 0.0473 | 0.00176 | 1.51 | 0.0117 | 0.00558 | 0.0000532 | 0.000247 | 0.000126 | 0.0808 | 0.00000632 | 0.000223 | 0.000462 | 0.00185 | 0.000925 |
| 2035 Nov | 0.00000386 | 2.2 | 0.00246 | 3.33 | 0.0472 | 0.00177 | 1.51 | 0.0117 | 0.00558 | 0.0000533 | 0.000248 | 0.000126 | 0.0808 | 0.00000633 | 0.000224 | 0.000462 | 0.00185 | 0.000924 |
| 2035 Dec | 0.00000386 | 2.2 | 0.00246 | 3.33 | 0.0472 | 0.00177 | 1.51 | 0.0117 | 0.00558 | 0.0000533 | 0.000248 | 0.000126 | 0.0807 | 0.00000633 | 0.000224 | 0.000463 | 0.00185 | 0.000924 |
| 2036 Jan | 0.00000387 | 2.2 | 0.00246 | 3.33 | 0.0472 | 0.00176 | 1.51 | 0.0117 | 0.00557 | 0.0000533 | 0.000248 | 0.000126 | 0.0807 | 0.00000633 | 0.000224 | 0.000463 | 0.00185 | 0.000923 |
| 2036 Feb | 0.00000387 | 2.2 | 0.00246 | 3.33 | 0.0472 | 0.00176 | 1.51 | 0.0117 | 0.00557 | 0.0000533 | 0.000248 | 0.000126 | 0.0807 | 0.00000633 | 0.000224 | 0.000463 | 0.00185 | 0.000923 |
| 2036 Mar | 0.00000387 | 2.2 | 0.00246 | 3.33 | 0.0472 | 0.00176 | 1.51 | 0.0117 | 0.00557 | 0.0000533 | 0.000248 | 0.000126 | 0.0807 | 0.00000633 | 0.000224 | 0.000463 | 0.00185 | 0.000923 |
| 2036 Apr | 0.00000387 | 2.2 | 0.00246 | 3.33 | 0.0472 | 0.00176 | 1.51 | 0.0117 | 0.00557 | 0.0000533 | 0.000248 | 0.000126 | 0.0807 | 0.00000634 | 0.000224 | 0.000463 | 0.00185 | 0.000922 |
| 2036 May | 0.00000389 | 2.2 | 0.00246 | 3.32 | 0.0472 | 0.00176 | 1.51 | 0.0117 | 0.00557 | 0.0000534 | 0.000249 | 0.000126 | 0.0806 | 0.00000635 | 0.000226 | 0.000464 | 0.00185 | 0.000921 |
| 2036 Jun | 0.00000393 | 2.19 | 0.00245 | 3.32 | 0.0468 | 0.00176 | 1.51 | 0.0117 | 0.00554 | 0.0000536 | 0.00025 | 0.000126 | 0.0801 | 0.00000637 | 0.000227 | 0.000464 | 0.00186 | 0.000901 |
| 2036 Jul | 0.00000391 | 2.18 | 0.00243 | 3.3 | 0.046 | 0.00175 | 1.49 | 0.0116 | 0.0055 | 0.0000536 | 0.000246 | 0.000124 | 0.0793 | 0.00000634 | 0.000224 | 0.000458 | 0.00185 | 0.000865 |
| 2036 Aug | 0.00000388 | 2.16 | 0.00242 | 3.26 | 0.0454 | 0.00171 | 1.49 | 0.0114 | 0.00549 | 0.0000536 | 0.000241 | 0.000122 | 0.0789 | 0.00000631 | 0.00022 | 0.000453 | 0.00185 | 0.000842 |
| 2036 Sep | 0.00000388 | 2.16 | 0.00241 | 3.26 | 0.0452 | 0.00172 | 1.48 | 0.0114 | 0.00547 | 0.0000536 | 0.000241 | 0.000122 | 0.0787 | 0.0000063 | 0.00022 | 0.000452 | 0.00185 | 0.000836 |
| 2036 Oct | 0.00000388 | 2.15 | 0.00241 | 3.25 | 0.045 | 0.00171 | 1.48 | 0.0114 | 0.00545 | 0.0000536 | 0.00024 | 0.000122 | 0.0784 | 0.00000629 | 0.00022 | 0.000451 | 0.00184 | 0.000828 |
| 2036 Nov | 0.00000389 | 2.15 | 0.0024 | 3.25 | 0.045 | 0.00172 | 1.48 | 0.0114 | 0.00545 | 0.0000536 | 0.000241 | 0.000122 | 0.0784 | 0.0000063 | 0.00022 | 0.000451 | 0.00184 | 0.000828 |
| 2036 Dec | 0.00000389 | 2.15 | 0.0024 | 3.25 | 0.045 | 0.00172 | 1.48 | 0.0114 | 0.00545 | 0.0000536 | 0.000241 | 0.000122 | 0.0784 | 0.0000063 | 0.00022 | 0.000451 | 0.00184 | 0.000827 |
| 2037 Jan | 0.00000389 | 2.15 | 0.0024 | 3.25 | 0.045 | 0.00171 | 1.48 | 0.0114 | 0.00545 | 0.0000536 | 0.000241 | 0.000122 | 0.0783 | 0.0000063 | 0.000221 | 0.000451 | 0.00184 | 0.000827 |
| 2037 Feb | 0.00000389 | 2.15 | 0.0024 | 3.25 | 0.045 | 0.00171 | 1.48 | 0.0114 | 0.00545 | 0.0000536 | 0.000241 | 0.000122 | 0.0783 | 0.0000063 | 0.000221 | 0.000451 | 0.00184 | 0.000826 |
| 2037 Mar | 0.00000389 | 2.15 | 0.0024 | 3.25 | 0.0449 | 0.00171 | 1.48 | 0.0114 | 0.00545 | 0.0000536 | 0.000241 | 0.000122 | 0.0783 | 0.0000063 | 0.000221 | 0.000451 | 0.00185 | 0.000826 |
| 2037 Apr | 0.0000039 | 2.15 | 0.0024 | 3.25 | 0.0449 | 0.00171 | 1.48 | 0.0114 | 0.00545 | 0.0000536 | 0.000241 | 0.000122 | 0.0783 | 0.0000063 | 0.000221 | 0.000451 | 0.00185 | 0.000826 |
| 2037 May | 0.00000394 | 2.15 | 0.0024 | 3.25 | 0.0449 | 0.00172 | 1.47 | 0.0114 | 0.00544 | 0.0000537 | 0.000243 | 0.000122 | 0.0781 | 0.00000632 | 0.000224 | 0.000453 | 0.00185 | 0.000823 |
| 2037 Jun | 0.00000402 | 2.15 | 0.00238 | 3.26 | 0.0445 | 0.00175 | 1.46 | 0.0116 | 0.00538 | 0.0000537 | 0.000248 | 0.000124 | 0.0772 | 0.00000636 | 0.000228 | 0.000456 | 0.00186 | 0.000804 |
| 2037 Jul | 0.00000399 | 2.14 | 0.00236 | 3.23 | 0.0438 | 0.00172 | 1.45 | 0.0114 | 0.00535 | 0.0000537 | 0.000243 | 0.000122 | 0.0766 | 0.00000633 | 0.000225 | 0.00045 | 0.00186 | 0.000776 |
| 2037 Aug | 0.00000396 | 2.12 | 0.00235 | 3.18 | 0.0432 | 0.00167 | 1.44 | 0.0111 | 0.00533 | 0.0000536 | 0.000237 | 0.000119 | 0.0762 | 0.0000063 | 0.000221 | 0.000445 | 0.00185 | 0.00075 |
| 2037 Sep | 0.00000394 | 2.11 | 0.00234 | 3.14 | 0.0427 | 0.00164 | 1.44 | 0.0108 | 0.00531 | 0.0000536 | 0.000233 | 0.000117 | 0.0758 | 0.00000628 | 0.000219 | 0.000441 | 0.00184 | 0.000731 |
| 2037 Oct | 0.00000395 | 2.1 | 0.00234 | 3.14 | 0.0426 | 0.00164 | 1.43 | 0.0108 | 0.0053 | 0.0000536 | 0.000233 | 0.000117 | 0.0756 | 0.00000628 | 0.000219 | 0.000441 | 0.00184 | 0.000728 |
| 2037 Nov | 0.00000396 | 2.11 | 0.00234 | 3.14 | 0.0426 | 0.00164 | 1.43 | 0.0108 | 0.0053 | 0.0000537 | 0.000234 | 0.000117 | 0.0756 | 0.00000628 | 0.00022 | 0.000441 | 0.00185 | 0.000726 |
| 2037 Dec | 0.00000397 | 2.11 | 0.00233 | 3.13 | 0.0425 | 0.00164 | 1.43 | 0.0108 | 0.0053 | 0.0000537 | 0.000234 | 0.000117 | 0.0755 | 0.00000629 | 0.00022 | 0.000442 | 0.00185 | 0.000725 |
| 2038 Jan | 0.00000398 | 2.11 | 0.00233 | 3.13 | 0.0425 | 0.00164 | 1.43 | 0.0108 | 0.00529 | 0.0000537 | 0.000234 | 0.000116 | 0.0754 | 0.00000629 | 0.000221 | 0.000442 | 0.00185 | 0.000723 |
| 2038 Feb | 0.00000399 | 2.11 | 0.00233 | 3.12 | 0.0425 | 0.00163 | 1.43 | 0.0107 | 0.00529 | 0.0000538 | 0.000234 | 0.000116 | 0.0754 | 0.0000063 | 0.000222 | 0.000442 | 0.00185 | 0.000721 |
| 2038 Mar | 0.000004 | 2.11 | 0.00233 | 3.12 | 0.0424 | 0.00163 | 1.43 | 0.0107 | 0.00529 | 0.0000538 | 0.000234 | 0.000116 | 0.0753 | 0.0000063 | 0.000222 | 0.000443 | 0.00185 | 0.00072 |
| 2038 Apr | 0.00000401 | 2.11 | 0.00233 | 3.11 | 0.0424 | 0.00163 | 1.43 | 0.0107 | 0.00528 | 0.0000538 | 0.000234 | 0.000116 | 0.0752 | 0.0000063 | 0.000223 | 0.000443 | 0.00185 | 0.000718 |
| 2038 May | 0.00000402 | 2.11 | 0.00233 | 3.11 | 0.0424 | 0.00163 | 1.43 | 0.0107 | 0.00528 | 0.0000538 | 0.000235 | 0.000116 | 0.0752 | 0.00000631 | 0.000224 | 0.000444 | 0.00186 | 0.000717 |
| 2038 Jun | 0.00000406 | 2.11 | 0.00232 | 3.14 | 0.0422 | 0.00166 | 1.42 | 0.0109 | 0.00526 | 0.0000538 | 0.000238 | 0.000118 | 0.0749 | 0.00000633 | 0.000226 | 0.000445 | 0.00186 | 0.00071 |
| 2038 Jul | 0.00000403 | 2.1 | 0.00231 | 3.1 | 0.0418 | 0.00162 | 1.42 | 0.0106 | 0.00525 | 0.0000538 | 0.000233 | 0.000115 | 0.0746 | 0.00000631 | 0.000223 | 0.000441 | 0.00186 | 0.000688 |
| 2038 Aug | 0.00000403 | 2.09 | 0.00231 | 3.08 | 0.0415 | 0.0016 | 1.41 | 0.0105 | 0.00524 | 0.0000537 | 0.000231 | 0.000114 | 0.0744 | 0.0000063 | 0.000222 | 0.000439 | 0.00186 | 0.000677 |
| 2038 Sep | 0.00000404 | 2.09 | 0.00231 | 3.08 | 0.0414 | 0.00161 | 1.41 | 0.0105 | 0.00523 | 0.0000537 | 0.000232 | 0.000114 | 0.0743 | 0.00000631 | 0.000223 | 0.000439 | 0.00186 | 0.000673 |
| 2038 Oct | 0.00000405 | 2.09 | 0.0023 | 3.07 | 0.0413 | 0.0016 | 1.41 | 0.0105 | 0.00522 | 0.0000537 | 0.000232 | 0.000114 | 0.074 | 0.00000631 | 0.000223 | 0.000439 | 0.00186 | 0.000668 |
| 2038 Nov | 0.00000406 | 2.09 | 0.0023 | 3.07 | 0.0413 | 0.0016 | 1.41 | 0.0104 | 0.00522 | 0.0000537 | 0.000232 | 0.000114 | 0.074 | 0.00000631 | 0.000224 | 0.00044 | 0.00186 | 0.000666 |
| 2038 Dec | 0.00000407 | 2.09 | 0.0023 | 3.06 | 0.0412 | 0.0016 | 1.41 | 0.0104 | 0.00521 | 0.0000538 | 0.000232 | 0.000114 | 0.0739 | 0.00000632 | 0.000224 | 0.00044 | 0.00186 | 0.000664 |
| 2039 Jan | 0.00000408 | 2.09 | 0.0023 | 3.06 | 0.0412 | 0.0016 | 1.4 | 0.0104 | 0.00521 | 0.0000538 | 0.000232 | 0.000114 | 0.0738 | 0.00000632 | 0.000225 | 0.00044 | 0.00186 | 0.000662 |
| 2039 Feb | 0.00000407 | 2.08 | 0.00229 | 3.05 | 0.0411 | 0.00159 | 1.4 | 0.0104 | 0.00519 | 0.0000536 | 0.000232 | 0.000114 | 0.0736 | 0.00000631 | 0.000225 | 0.000439 | 0.00186 | 0.00066 |
| 2039 Mar | 0.00000406 | 2.08 | 0.00228 | 3.04 | 0.041 | 0.00159 | 1.4 | 0.0103 | 0.00518 | 0.0000535 | 0.000231 | 0.000113 | 0.0734 | 0.00000629 | 0.000224 | 0.000438 | 0.00185 | 0.000658 |
| 2039 Apr | 0.00000405 | 2.07 | 0.00228 | 3.03 | 0.0408 | 0.00158 | 1.39 | 0.0103 | 0.00516 | 0.0000533 | 0.00023 | 0.000113 | 0.0731 | 0.00000626 | 0.000223 | 0.000436 | 0.00185 | 0.000655 |
| 2039 May | 0.00000404 | 2.06 | 0.00227 | 3.02 | 0.0407 | 0.00158 | 1.39 | 0.0103 | 0.00514 | 0.0000531 | 0.000229 | 0.000112 | 0.0729 | 0.00000625 | 0.000222 | 0.000435 | 0.00184 | 0.000653 |
| 2039 Jun | 0.00000407 | 2.06 | 0.00226 | 3.02 | 0.0405 | 0.00158 | 1.38 | 0.0103 | 0.00512 | 0.000053 | 0.000231 | 0.000113 | 0.0726 | 0.00000626 | 0.000225 | 0.000436 | 0.00185 | 0.000646 |
| 2039 Jul | 0.00000407 | 2.06 | 0.00225 | 3 | 0.0402 | 0.00157 | 1.38 | 0.0102 | 0.00511 | 0.0000528 | 0.000229 | 0.000112 | 0.0723 | 0.00000625 | 0.000224 | 0.000434 | 0.00185 | 0.000629 |
| 2039 Aug | 0.00000407 | 2.05 | 0.00225 | 2.98 | 0.0399 | 0.00154 | 1.37 | 0.01 | 0.0051 | 0.0000527 | 0.000226 | 0.00011 | 0.072 | 0.00000625 | 0.000222 | 0.000431 | 0.00185 | 0.000613 |

**Appendix D9. IVR Pit**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 545 | 0.694 | 1.24 | 0.106 | 187 | 0.192 | 139 | 0.0000054 | 0.00485 | 3.41 | 0.00528 | 0.141 | 0.00000235 | 148 | 0.0000183 | 0.000164 | 0.0000552 | 0.00586 | 0.00313 |
| Operation (Jan., 2024 to Jun., 2028): Average | 882 | 9.7 | 17.3 | 1.48 | 218 | 0.246 | 345 | 0.00000627 | 0.00555 | 3.76 | 0.00601 | 0.152 | 0.00000336 | 226 | 0.0000664 | 0.000269 | 0.0000622 | 0.00659 | 0.00416 |
| Operation (Jan., 2024 to Jun., 2028): Max | 1120 | 11.3 | 20.3 | 1.73 | 254 | 0.293 | 471 | 0.0000068 | 0.00609 | 4.65 | 0.00642 | 0.181 | 0.00000409 | 284 | 0.0000945 | 0.000338 | 0.0000697 | 0.00756 | 0.0052 |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Aug., 2039): Min | 106 | 0.0000623 | 0.0769 | 0.00044 | 17 | 0.0709 | 23.7 | 0.00000628 | 0.00645 | 0.00838 | 0.00652 | 0.0264 | 0.0000117 | 19.2 | 0.00000782 | 0.000199 | 0.000126 | 0.000987 | 0.0249 |
| Active Closure (Jul., 2028 to Aug., 2039): Average | 119 | 0.000687 | 0.34 | 0.00079 | 18.9 | 0.0803 | 39.5 | 0.00000841 | 0.0157 | 0.0354 | 0.00936 | 0.0276 | 0.0000251 | 22.3 | 0.0000123 | 0.00036 | 0.000307 | 0.00135 | 0.0817 |
| Active Closure (Jul., 2028 to Aug., 2039): Max | 322 | 0.00498 | 0.458 | 0.000822 | 66.2 | 0.111 | 143 | 0.00000868 | 0.0177 | 1.1 | 0.0111 | 0.0546 | 0.0000325 | 80.1 | 0.0000304 | 0.000456 | 0.000372 | 0.00248 | 0.103 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Aug 2039) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 546 | 8.98 | 16 | 1.37 | 188 | 0.193 | 139 | 0.0000054 | 0.00609 | 4.07 | 0.00528 | 0.161 | 0.00000401 | 148 | 0.0000183 | 0.000164 | 0.0000697 | 0.00593 | 0.00481 |
| 2024 Feb | 546 | 8.97 | 16 | 1.37 | 187 | 0.192 | 139 | 0.0000054 | 0.00609 | 4.07 | 0.00528 | 0.161 | 0.00000402 | 148 | 0.0000183 | 0.000164 | 0.0000696 | 0.00593 | 0.00481 |
| 2024 Mar | 545 | 8.97 | 16 | 1.36 | 187 | 0.192 | 139 | 0.0000054 | 0.00609 | 4.07 | 0.00528 | 0.161 | 0.00000402 | 148 | 0.0000183 | 0.000164 | 0.0000696 | 0.00592 | 0.00481 |
| 2024 Apr | 545 | 8.96 | 16 | 1.36 | 187 | 0.192 | 139 | 0.0000054 | 0.00609 | 4.07 | 0.00528 | 0.161 | 0.00000402 | 148 | 0.0000183 | 0.000164 | 0.0000696 | 0.00592 | 0.00481 |
| 2024 May | 608 | 9.16 | 16.4 | 1.39 | 193 | 0.203 | 176 | 0.00000555 | 0.00579 | 4.05 | 0.00542 | 0.16 | 0.00000387 | 163 | 0.0000267 | 0.000183 | 0.0000661 | 0.00606 | 0.00433 |
| 2024 Jun | 831 | 10.8 | 19.4 | 1.65 | 233 | 0.25 | 286 | 0.00000597 | 0.00554 | 4.57 | 0.00583 | 0.178 | 0.00000274 | 218 | 0.0000491 | 0.000245 | 0.0000639 | 0.00716 | 0.00319 |
| 2024 Jul | 838 | 11 | 19.6 | 1.67 | 236 | 0.251 | 288 | 0.00000596 | 0.00586 | 4.61 | 0.00581 | 0.179 | 0.00000263 | 220 | 0.0000495 | 0.000247 | 0.0000644 | 0.00723 | 0.00392 |
| 2024 Aug | 845 | 11 | 19.7 | 1.68 | 237 | 0.253 | 290 | 0.00000597 | 0.0059 | 4.65 | 0.00582 | 0.181 | 0.00000256 | 222 | 0.0000499 | 0.000249 | 0.0000616 | 0.00729 | 0.00392 |
| 2024 Sep | 732 | 9.54 | 17 | 1.45 | 205 | 0.222 | 251 | 0.00000583 | 0.00551 | 4.01 | 0.0057 | 0.157 | 0.00000358 | 192 | 0.0000434 | 0.000221 | 0.0000591 | 0.00633 | 0.00487 |
| 2024 Oct | 691 | 8.98 | 16 | 1.37 | 194 | 0.21 | 237 | 0.00000579 | 0.00545 | 3.78 | 0.00566 | 0.148 | 0.00000395 | 181 | 0.0000411 | 0.000211 | 0.0000597 | 0.00597 | 0.0052 |
| 2024 Nov | 682 | 8.86 | 15.8 | 1.35 | 191 | 0.209 | 234 | 0.00000578 | 0.00563 | 3.73 | 0.00565 | 0.146 | 0.00000403 | 179 | 0.000041 | 0.000209 | 0.0000641 | 0.00591 | 0.005 |
| 2024 Dec | 680 | 8.83 | 15.8 | 1.34 | 191 | 0.208 | 233 | 0.00000577 | 0.00562 | 3.72 | 0.00565 | 0.146 | 0.00000406 | 178 | 0.0000408 | 0.000209 | 0.0000641 | 0.00589 | 0.005 |
| 2025 Jan | 678 | 8.81 | 15.7 | 1.34 | 190 | 0.208 | 232 | 0.00000577 | 0.00561 | 3.71 | 0.00565 | 0.145 | 0.00000407 | 177 | 0.0000407 | 0.000208 | 0.000064 | 0.00588 | 0.005 |
| 2025 Feb | 677 | 8.8 | 15.7 | 1.34 | 190 | 0.207 | 232 | 0.00000577 | 0.00561 | 3.7 | 0.00565 | 0.145 | 0.00000408 | 177 | 0.0000407 | 0.000208 | 0.000064 | 0.00587 | 0.005 |
| 2025 Mar | 677 | 8.79 | 15.7 | 1.34 | 190 | 0.207 | 232 | 0.00000577 | 0.00561 | 3.7 | 0.00565 | 0.145 | 0.00000408 | 177 | 0.0000407 | 0.000208 | 0.000064 | 0.00586 | 0.005 |
| 2025 Apr | 677 | 8.79 | 15.7 | 1.34 | 190 | 0.207 | 232 | 0.00000577 | 0.0056 | 3.7 | 0.00565 | 0.145 | 0.00000408 | 177 | 0.0000406 | 0.000208 | 0.000064 | 0.00586 | 0.005 |
| 2025 May | 677 | 8.79 | 15.7 | 1.34 | 190 | 0.207 | 232 | 0.00000577 | 0.0056 | 3.7 | 0.00565 | 0.145 | 0.00000409 | 177 | 0.0000406 | 0.000208 | 0.000064 | 0.00586 | 0.005 |
| 2025 Jun | 855 | 9.73 | 17.4 | 1.48 | 214 | 0.243 | 330 | 0.00000621 | 0.00512 | 3.73 | 0.00597 | 0.152 | 0.00000347 | 220 | 0.0000625 | 0.00026 | 0.000063 | 0.00649 | 0.00361 |
| 2025 Jul | 867 | 9.6 | 17.1 | 1.46 | 212 | 0.243 | 341 | 0.00000627 | 0.0051 | 3.6 | 0.00601 | 0.149 | 0.00000357 | 222 | 0.0000655 | 0.000265 | 0.000064 | 0.00641 | 0.00393 |
| 2025 Aug | 988 | 11 | 19.6 | 1.67 | 241 | 0.272 | 390 | 0.00000644 | 0.00566 | 4.12 | 0.00614 | 0.168 | 0.0000026 | 253 | 0.0000747 | 0.000296 | 0.000059 | 0.0073 | 0.00386 |
| 2025 Sep | 896 | 9.94 | 17.8 | 1.51 | 219 | 0.249 | 353 | 0.0000063 | 0.00542 | 3.73 | 0.00603 | 0.153 | 0.0000033 | 230 | 0.0000678 | 0.000272 | 0.000057 | 0.00663 | 0.00455 |
| 2025 Oct | 842 | 9.32 | 16.7 | 1.42 | 206 | 0.237 | 331 | 0.00000623 | 0.00573 | 3.5 | 0.00597 | 0.144 | 0.00000374 | 216 | 0.0000645 | 0.000259 | 0.0000667 | 0.00626 | 0.00438 |
| 2025 Nov | 837 | 9.26 | 16.6 | 1.41 | 204 | 0.235 | 329 | 0.00000622 | 0.00579 | 3.48 | 0.00597 | 0.143 | 0.00000378 | 214 | 0.0000643 | 0.000257 | 0.0000681 | 0.00623 | 0.00433 |
| 2025 Dec | 835 | 9.23 | 16.5 | 1.41 | 204 | 0.235 | 328 | 0.00000622 | 0.00578 | 3.47 | 0.00597 | 0.143 | 0.0000038 | 214 | 0.0000641 | 0.000257 | 0.000068 | 0.00621 | 0.00433 |
| 2026 Jan | 833 | 9.22 | 16.5 | 1.4 | 203 | 0.234 | 328 | 0.00000622 | 0.00577 | 3.46 | 0.00596 | 0.143 | 0.00000381 | 213 | 0.000064 | 0.000256 | 0.000068 | 0.0062 | 0.00433 |
| 2026 Feb | 832 | 9.21 | 16.5 | 1.4 | 203 | 0.234 | 327 | 0.00000621 | 0.00577 | 3.46 | 0.00596 | 0.142 | 0.00000381 | 213 | 0.0000639 | 0.000256 | 0.000068 | 0.00619 | 0.00433 |
| 2026 Mar | 832 | 9.2 | 16.4 | 1.4 | 203 | 0.234 | 327 | 0.00000621 | 0.00577 | 3.45 | 0.00596 | 0.142 | 0.00000382 | 213 | 0.0000639 | 0.000256 | 0.000068 | 0.00619 | 0.00433 |
| 2026 Apr | 832 | 9.2 | 16.4 | 1.4 | 203 | 0.234 | 327 | 0.00000621 | 0.00577 | 3.45 | 0.00596 | 0.142 | 0.00000382 | 213 | 0.0000639 | 0.000256 | 0.000068 | 0.00619 | 0.00433 |
| 2026 May | 830 | 9.13 | 16.3 | 1.39 | 202 | 0.233 | 328 | 0.00000622 | 0.00568 | 3.41 | 0.00597 | 0.141 | 0.00000387 | 212 | 0.0000642 | 0.000256 | 0.000067 | 0.00614 | 0.00428 |
| 2026 Jun | 1040 | 10.5 | 18.8 | 1.6 | 235 | 0.275 | 437 | 0.00000668 | 0.00504 | 3.71 | 0.00633 | 0.153 | 0.00000295 | 264 | 0.0000876 | 0.000317 | 0.0000592 | 0.00702 | 0.00313 |
| 2026 Jul | 1110 | 11.2 | 20 | 1.7 | 250 | 0.289 | 464 | 0.00000678 | 0.00548 | 3.95 | 0.0064 | 0.162 | 0.00000247 | 280 | 0.0000931 | 0.000334 | 0.000059 | 0.00746 | 0.00362 |
| 2026 Aug | 1120 | 11.3 | 20.3 | 1.73 | 254 | 0.293 | 471 | 0.0000068 | 0.00552 | 4.01 | 0.00642 | 0.164 | 0.00000235 | 284 | 0.0000945 | 0.000338 | 0.0000565 | 0.00756 | 0.00355 |
| 2026 Sep | 1120 | 11.3 | 20.3 | 1.73 | 253 | 0.293 | 471 | 0.0000068 | 0.00547 | 4 | 0.00642 | 0.164 | 0.00000236 | 284 | 0.0000944 | 0.000338 | 0.0000558 | 0.00756 | 0.00347 |
| 2026 Oct | 1100 | 11.1 | 19.9 | 1.7 | 249 | 0.288 | 463 | 0.00000677 | 0.00543 | 3.93 | 0.0064 | 0.161 | 0.0000025 | 279 | 0.0000928 | 0.000333 | 0.0000559 | 0.00743 | 0.0036 |
| 2026 Nov | 1100 | 11.1 | 19.8 | 1.69 | 248 | 0.287 | 461 | 0.00000677 | 0.00543 | 3.92 | 0.00639 | 0.161 | 0.00000253 | 278 | 0.0000924 | 0.000332 | 0.000056 | 0.0074 | 0.00361 |
| 2026 Dec | 1090 | 11.1 | 19.8 | 1.69 | 248 | 0.287 | 460 | 0.00000676 | 0.00543 | 3.91 | 0.00639 | 0.16 | 0.00000254 | 278 | 0.0000923 | 0.000331 | 0.0000559 | 0.00739 | 0.00362 |
| 2027 Jan | 1090 | 11.1 | 19.8 | 1.68 | 247 | 0.286 | 459 | 0.00000676 | 0.00542 | 3.91 | 0.00639 | 0.16 | 0.00000255 | 277 | 0.0000922 | 0.000331 | 0.0000559 | 0.00738 | 0.00362 |
| 2027 Feb | 1090 | 11.1 | 19.8 | 1.68 | 247 | 0.286 | 459 | 0.00000676 | 0.00542 | 3.9 | 0.00639 | 0.16 | 0.00000255 | 277 | 0.0000921 | 0.000331 | 0.0000559 | 0.00737 | 0.00362 |
| 2027 Mar | 1090 | 11.1 | 19.8 | 1.68 | 247 | 0.286 | 459 | 0.00000676 | 0.00542 | 3.9 | 0.00638 | 0.16 | 0.00000256 | 277 | 0.0000921 | 0.000331 | 0.0000559 | 0.00737 | 0.00362 |
| 2027 Apr | 1090 | 11.1 | 19.7 | 1.68 | 247 | 0.286 | 459 | 0.00000676 | 0.00542 | 3.9 | 0.00638 | 0.16 | 0.00000256 | 277 | 0.0000921 | 0.000331 | 0.0000559 | 0.00737 | 0.00362 |
| 2027 May | 1000 | 10.1 | 18.1 | 1.54 | 227 | 0.265 | 421 | 0.00000661 | 0.00514 | 3.58 | 0.00627 | 0.147 | 0.00000317 | 254 | 0.0000847 | 0.000307 | 0.0000554 | 0.00678 | 0.00366 |
| 2027 Jun | 975 | 9.81 | 17.5 | 1.49 | 221 | 0.258 | 408 | 0.00000658 | 0.00485 | 3.46 | 0.00624 | 0.143 | 0.00000342 | 247 | 0.000082 | 0.000299 | 0.0000591 | 0.00657 | 0.00327 |
| 2027 Jul | 975 | 9.82 | 17.5 | 1.49 | 221 | 0.258 | 408 | 0.00000657 | 0.00512 | 3.47 | 0.00624 | 0.143 | 0.0000034 | 247 | 0.000082 | 0.000299 | 0.000062 | 0.00658 | 0.00413 |
| 2027 Aug | 1080 | 11 | 19.6 | 1.67 | 246 | 0.284 | 455 | 0.00000674 | 0.00549 | 3.87 | 0.00637 | 0.159 | 0.00000262 | 275 | 0.0000912 | 0.000328 | 0.0000569 | 0.00731 | 0.00388 |
| 2027 Sep | 1020 | 10.3 | 18.4 | 1.57 | 231 | 0.268 | 428 | 0.00000664 | 0.0053 | 3.64 | 0.00629 | 0.149 | 0.00000306 | 259 | 0.000086 | 0.000312 | 0.0000552 | 0.00689 | 0.00423 |
| 2027 Oct | 980 | 9.87 | 17.6 | 1.5 | 222 | 0.259 | 410 | 0.00000657 | 0.00554 | 3.48 | 0.00623 | 0.144 | 0.00000335 | 248 | 0.000083 | 0.000301 | 0.0000622 | 0.00663 | 0.00411 |
| 2027 Nov | 973 | 9.8 | 17.5 | 1.49 | 220 | 0.258 | 407 | 0.00000656 | 0.00556 | 3.46 | 0.00623 | 0.143 | 0.00000339 | 246 | 0.0000825 | 0.000299 | 0.0000629 | 0.00659 | 0.0041 |
| 2027 Dec | 970 | 9.77 | 17.5 | 1.49 | 220 | 0.257 | 406 | 0.00000655 | 0.00555 | 3.45 | 0.00622 | 0.142 | 0.00000342 | 246 | 0.0000823 | 0.000298 | 0.0000628 | 0.00656 | 0.0041 |
| 2028 Jan | 968 | 9.75 | 17.4 | 1.48 | 219 | 0.257 | 405 | 0.00000655 | 0.00554 | 3.44 | 0.00622 | 0.142 | 0.00000343 | 245 | 0.0000821 | 0.000298 | 0.0000628 | 0.00655 | 0.0041 |
| 2028 Feb | 967 | 9.74 | 17.4 | 1.48 | 219 | 0.256 | 405 | 0.00000655 | 0.00554 | 3.44 | 0.00622 | 0.142 | 0.00000344 | 245 | 0.000082 | 0.000297 | 0.0000628 | 0.00654 | 0.0041 |
| 2028 Mar | 966 | 9.73 | 17.4 | 1.48 | 219 | 0.256 | 405 | 0.00000655 | 0.00554 | 3.44 | 0.00622 | 0.142 | 0.00000344 | 245 | 0.000082 | 0.000297 | 0.0000628 | 0.00654 | 0.0041 |
| 2028 Apr | 966 | 9.73 | 17.4 | 1.48 | 219 | 0.256 | 404 | 0.00000655 | 0.00554 | 3.43 | 0.00622 | 0.142 | 0.00000344 | 245 | 0.000082 | 0.000297 | 0.0000628 | 0.00654 | 0.0041 |
| 2028 May | 966 | 9.73 | 17.4 | 1.48 | 219 | 0.256 | 404 | 0.00000655 | 0.00554 | 3.43 | 0.00622 | 0.142 | 0.00000344 | 245 | 0.0000819 | 0.000297 | 0.0000628 | 0.00654 | 0.0041 |
| 2028 Jun | 990 | 0.694 | 1.24 | 0.106 | 231 | 0.269 | 426 | 0.00000665 | 0.005 | 3.62 | 0.0063 | 0.15 | 0.00000311 | 258 | 0.0000857 | 0.000311 | 0.0000604 | 0.00686 | 0.00324 |
| 2028 Jul | 322 | 0.00498 | 0.0769 | 0.00044 | 66.2 | 0.111 | 143 | 0.00000628 | 0.00645 | 1.1 | 0.00652 | 0.0546 | 0.0000117 | 80.1 | 0.0000304 | 0.000199 | 0.000126 | 0.00248 | 0.0249 |
| 2028 Aug | 112 | 0.00447 | 0.458 | 0.000776 | 22.1 | 0.0738 | 27 | 0.00000836 | 0.0113 | 0.0128 | 0.0111 | 0.0282 | 0.0000325 | 20.5 | 0.00000871 | 0.000456 | 0.00037 | 0.00105 | 0.103 |
| 2028 Sep | 108 | 0.00196 | 0.455 | 0.000756 | 21.9 | 0.0717 | 23.7 | 0.00000818 | 0.0109 | 0.00838 | 0.0111 | 0.0276 | 0.0000323 | 19.4 | 0.00000782 | 0.000452 | 0.000372 | 0.000987 | 0.103 |
| 2028 Oct | 106 | 0.00178 | 0.442 | 0.000746 | 21.4 | 0.071 | 24 | 0.00000808 | 0.0109 | 0.00861 | 0.0108 | 0.0271 | 0.0000315 | 19.2 | 0.0000079 | 0.000441 | 0.000363 | 0.000987 | 0.101 |

**Appendix D9. IVR Pit**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Nov | 106 | 0.00178 | 0.442 | 0.000745 | 21.4 | 0.0709 | 24 | 0.00000807 | 0.0109 | 0.00869 | 0.0108 | 0.0271 | 0.0000315 | 19.2 | 0.0000079 | 0.000441 | 0.000363 | 0.000987 | 0.101 |
| 2028 Dec | 106 | 0.00178 | 0.442 | 0.000745 | 21.4 | 0.0709 | 24 | 0.00000807 | 0.0109 | 0.00875 | 0.0108 | 0.0271 | 0.0000315 | 19.2 | 0.0000079 | 0.000441 | 0.000363 | 0.000987 | 0.101 |
| 2029 Jan | 106 | 0.00178 | 0.442 | 0.000745 | 21.4 | 0.0709 | 24 | 0.00000807 | 0.0109 | 0.00881 | 0.0108 | 0.0271 | 0.0000315 | 19.2 | 0.0000079 | 0.000441 | 0.000363 | 0.000987 | 0.101 |
| 2029 Feb | 106 | 0.00178 | 0.442 | 0.000745 | 21.4 | 0.0709 | 24 | 0.00000807 | 0.0109 | 0.00887 | 0.0108 | 0.0271 | 0.0000315 | 19.2 | 0.0000079 | 0.000441 | 0.000363 | 0.000987 | 0.101 |
| 2029 Mar | 106 | 0.00178 | 0.442 | 0.000745 | 21.4 | 0.0709 | 24 | 0.00000807 | 0.0109 | 0.00893 | 0.0108 | 0.0271 | 0.0000315 | 19.2 | 0.0000079 | 0.000441 | 0.000363 | 0.000987 | 0.101 |
| 2029 Apr | 106 | 0.00179 | 0.442 | 0.000745 | 21.4 | 0.0709 | 24 | 0.00000807 | 0.0109 | 0.00899 | 0.0108 | 0.0271 | 0.0000315 | 19.2 | 0.0000079 | 0.000441 | 0.000363 | 0.000987 | 0.101 |
| 2029 May | 106 | 0.00179 | 0.442 | 0.000745 | 21.4 | 0.071 | 24 | 0.00000807 | 0.0109 | 0.00906 | 0.0108 | 0.0271 | 0.0000315 | 19.2 | 0.0000079 | 0.000441 | 0.000363 | 0.000988 | 0.101 |
| 2029 Jun | 107 | 0.000606 | 0.434 | 0.000792 | 21 | 0.0746 | 25.9 | 0.00000851 | 0.0128 | 0.0105 | 0.0107 | 0.0275 | 0.0000309 | 19.5 | 0.00000848 | 0.00044 | 0.000355 | 0.00108 | 0.0981 |
| 2029 Jul | 111 | 0.000506 | 0.412 | 0.000803 | 20.5 | 0.0766 | 29.6 | 0.00000865 | 0.0137 | 0.0133 | 0.0104 | 0.0276 | 0.0000294 | 20.3 | 0.00000953 | 0.000422 | 0.000344 | 0.00116 | 0.0943 |
| 2029 Aug | 110 | 0.000618 | 0.402 | 0.000788 | 20.3 | 0.0751 | 28.8 | 0.00000846 | 0.0134 | 0.0126 | 0.0102 | 0.0272 | 0.0000286 | 19.9 | 0.00000928 | 0.000407 | 0.000343 | 0.00113 | 0.0936 |
| 2029 Sep | 110 | 0.000733 | 0.397 | 0.000787 | 20.3 | 0.075 | 28.9 | 0.00000843 | 0.0135 | 0.0126 | 0.0101 | 0.0271 | 0.0000283 | 19.9 | 0.00000934 | 0.000401 | 0.000342 | 0.00114 | 0.0931 |
| 2029 Oct | 110 | 0.000783 | 0.395 | 0.000788 | 20.2 | 0.0751 | 28.9 | 0.00000844 | 0.0136 | 0.0127 | 0.0101 | 0.0271 | 0.0000282 | 19.9 | 0.00000935 | 0.0004 | 0.000341 | 0.00114 | 0.0928 |
| 2029 Nov | 110 | 0.000783 | 0.395 | 0.000788 | 20.2 | 0.0752 | 28.9 | 0.00000844 | 0.0136 | 0.0127 | 0.0101 | 0.0271 | 0.0000282 | 19.9 | 0.00000935 | 0.0004 | 0.000341 | 0.00114 | 0.0928 |
| 2029 Dec | 110 | 0.000783 | 0.395 | 0.000788 | 20.2 | 0.0752 | 28.9 | 0.00000844 | 0.0136 | 0.0127 | 0.0101 | 0.0271 | 0.0000282 | 19.9 | 0.00000935 | 0.0004 | 0.000341 | 0.00114 | 0.0928 |
| 2030 Jan | 110 | 0.000783 | 0.395 | 0.000788 | 20.2 | 0.0752 | 28.9 | 0.00000844 | 0.0136 | 0.0128 | 0.0101 | 0.0271 | 0.0000282 | 19.9 | 0.00000935 | 0.0004 | 0.000341 | 0.00114 | 0.0928 |
| 2030 Feb | 110 | 0.000783 | 0.395 | 0.000788 | 20.2 | 0.0752 | 28.9 | 0.00000844 | 0.0136 | 0.0128 | 0.0101 | 0.0271 | 0.0000282 | 19.9 | 0.00000935 | 0.0004 | 0.000341 | 0.00114 | 0.0928 |
| 2030 Mar | 110 | 0.000783 | 0.395 | 0.000788 | 20.2 | 0.0752 | 28.9 | 0.00000844 | 0.0136 | 0.0129 | 0.0101 | 0.0271 | 0.0000282 | 19.9 | 0.00000935 | 0.0004 | 0.000341 | 0.00114 | 0.0928 |
| 2030 Apr | 110 | 0.000784 | 0.395 | 0.000788 | 20.2 | 0.0752 | 28.9 | 0.00000844 | 0.0136 | 0.0129 | 0.0101 | 0.0271 | 0.0000282 | 19.9 | 0.00000935 | 0.0004 | 0.000341 | 0.00114 | 0.0928 |
| 2030 May | 110 | 0.000784 | 0.395 | 0.000789 | 20.2 | 0.0752 | 28.9 | 0.00000845 | 0.0136 | 0.013 | 0.0101 | 0.0271 | 0.0000282 | 19.9 | 0.00000936 | 0.0004 | 0.000341 | 0.00114 | 0.0928 |
| 2030 Jun | 110 | 0.000453 | 0.387 | 0.000814 | 19.9 | 0.077 | 29.7 | 0.00000868 | 0.0147 | 0.0134 | 0.00996 | 0.0271 | 0.0000276 | 19.9 | 0.00000959 | 0.000396 | 0.000335 | 0.00119 | 0.0908 |
| 2030 Jul | 110 | 0.000595 | 0.373 | 0.000803 | 19.6 | 0.0762 | 30.2 | 0.00000855 | 0.0146 | 0.0137 | 0.00971 | 0.0268 | 0.0000267 | 19.9 | 0.00000975 | 0.00038 | 0.000331 | 0.00119 | 0.0891 |
| 2030 Aug | 109 | 0.000664 | 0.365 | 0.000795 | 19.5 | 0.0753 | 29.8 | 0.00000844 | 0.0144 | 0.0134 | 0.00956 | 0.0265 | 0.0000262 | 19.7 | 0.00000965 | 0.00037 | 0.000328 | 0.00118 | 0.0882 |
| 2030 Sep | 109 | 0.000692 | 0.363 | 0.000794 | 19.4 | 0.0752 | 30.2 | 0.00000841 | 0.0144 | 0.0136 | 0.00952 | 0.0265 | 0.000026 | 19.8 | 0.00000975 | 0.000367 | 0.000327 | 0.00118 | 0.0877 |
| 2030 Oct | 109 | 0.000703 | 0.361 | 0.000793 | 19.3 | 0.075 | 30.3 | 0.00000839 | 0.0143 | 0.0138 | 0.00949 | 0.0264 | 0.0000259 | 19.8 | 0.00000977 | 0.000366 | 0.000326 | 0.00118 | 0.0874 |
| 2030 Nov | 109 | 0.000704 | 0.361 | 0.000792 | 19.3 | 0.075 | 30.2 | 0.00000839 | 0.0143 | 0.0139 | 0.00948 | 0.0264 | 0.0000259 | 19.8 | 0.00000977 | 0.000365 | 0.000325 | 0.00118 | 0.0873 |
| 2030 Dec | 109 | 0.000705 | 0.361 | 0.000792 | 19.3 | 0.075 | 30.2 | 0.00000839 | 0.0143 | 0.014 | 0.00948 | 0.0264 | 0.0000259 | 19.8 | 0.00000977 | 0.000365 | 0.000325 | 0.00118 | 0.0873 |
| 2031 Jan | 109 | 0.000705 | 0.361 | 0.000792 | 19.3 | 0.075 | 30.2 | 0.00000839 | 0.0143 | 0.014 | 0.00948 | 0.0264 | 0.0000259 | 19.8 | 0.00000977 | 0.000365 | 0.000325 | 0.00118 | 0.0873 |
| 2031 Feb | 109 | 0.000705 | 0.361 | 0.000792 | 19.3 | 0.075 | 30.2 | 0.00000839 | 0.0143 | 0.014 | 0.00948 | 0.0264 | 0.0000259 | 19.8 | 0.00000977 | 0.000365 | 0.000325 | 0.00118 | 0.0873 |
| 2031 Mar | 109 | 0.000705 | 0.361 | 0.000792 | 19.3 | 0.075 | 30.2 | 0.00000839 | 0.0143 | 0.0141 | 0.00948 | 0.0264 | 0.0000259 | 19.8 | 0.00000977 | 0.000365 | 0.000325 | 0.00118 | 0.0873 |
| 2031 Apr | 109 | 0.000705 | 0.361 | 0.000792 | 19.3 | 0.075 | 30.2 | 0.00000839 | 0.0143 | 0.0141 | 0.00948 | 0.0264 | 0.0000259 | 19.8 | 0.00000977 | 0.000365 | 0.000325 | 0.00118 | 0.0873 |
| 2031 May | 109 | 0.000712 | 0.361 | 0.000792 | 19.3 | 0.0751 | 30.2 | 0.00000839 | 0.0144 | 0.0142 | 0.00948 | 0.0264 | 0.0000259 | 19.8 | 0.00000977 | 0.000365 | 0.000325 | 0.00118 | 0.0873 |
| 2031 Jun | 111 | 0.000389 | 0.356 | 0.000815 | 19.1 | 0.0769 | 32.3 | 0.0000086 | 0.015 | 0.0151 | 0.00944 | 0.0266 | 0.0000255 | 20.3 | 0.0000104 | 0.000364 | 0.000321 | 0.00123 | 0.0859 |
| 2031 Jul | 112 | 0.000325 | 0.355 | 0.00082 | 19.1 | 0.0772 | 32.7 | 0.00000864 | 0.0151 | 0.0153 | 0.00943 | 0.0267 | 0.0000255 | 20.4 | 0.0000105 | 0.000363 | 0.000321 | 0.00124 | 0.0857 |
| 2031 Aug | 113 | 0.000333 | 0.354 | 0.000822 | 19.1 | 0.0775 | 33.4 | 0.00000864 | 0.0152 | 0.0157 | 0.00943 | 0.0268 | 0.0000254 | 20.6 | 0.0000107 | 0.000363 | 0.000321 | 0.00126 | 0.0856 |
| 2031 Sep | 115 | 0.00035 | 0.352 | 0.000821 | 19.1 | 0.078 | 34.9 | 0.00000863 | 0.0153 | 0.0164 | 0.00941 | 0.0269 | 0.0000253 | 21 | 0.0000111 | 0.000362 | 0.000319 | 0.00128 | 0.0851 |
| 2031 Oct | 115 | 0.000361 | 0.352 | 0.00082 | 19 | 0.0781 | 35.1 | 0.00000862 | 0.0153 | 0.0166 | 0.0094 | 0.0269 | 0.0000253 | 21 | 0.0000112 | 0.000361 | 0.000318 | 0.00128 | 0.0849 |
| 2031 Nov | 115 | 0.000361 | 0.351 | 0.00082 | 19 | 0.0781 | 35.1 | 0.00000862 | 0.0153 | 0.0166 | 0.0094 | 0.0269 | 0.0000253 | 21 | 0.0000112 | 0.000361 | 0.000318 | 0.00128 | 0.0849 |
| 2031 Dec | 115 | 0.000361 | 0.351 | 0.00082 | 19 | 0.0781 | 35.1 | 0.00000862 | 0.0153 | 0.0167 | 0.0094 | 0.0269 | 0.0000253 | 21 | 0.0000112 | 0.000361 | 0.000318 | 0.00128 | 0.0849 |
| 2032 Jan | 115 | 0.000361 | 0.351 | 0.00082 | 19 | 0.0781 | 35.1 | 0.00000862 | 0.0153 | 0.0167 | 0.0094 | 0.0269 | 0.0000253 | 21 | 0.0000112 | 0.000361 | 0.000318 | 0.00128 | 0.0849 |
| 2032 Feb | 115 | 0.000362 | 0.351 | 0.00082 | 19 | 0.0781 | 35.1 | 0.00000862 | 0.0153 | 0.0167 | 0.0094 | 0.0269 | 0.0000253 | 21 | 0.0000112 | 0.000361 | 0.000318 | 0.00128 | 0.0849 |
| 2032 Mar | 115 | 0.000362 | 0.351 | 0.00082 | 19 | 0.0781 | 35.1 | 0.00000862 | 0.0153 | 0.0167 | 0.0094 | 0.0269 | 0.0000253 | 21 | 0.0000112 | 0.000361 | 0.000318 | 0.00128 | 0.0849 |
| 2032 Apr | 115 | 0.000362 | 0.351 | 0.00082 | 19 | 0.0781 | 35.1 | 0.00000862 | 0.0153 | 0.0168 | 0.0094 | 0.0269 | 0.0000253 | 21 | 0.0000112 | 0.000361 | 0.000318 | 0.00128 | 0.0849 |
| 2032 May | 115 | 0.000362 | 0.351 | 0.000821 | 19 | 0.0781 | 35.1 | 0.00000862 | 0.0153 | 0.0168 | 0.0094 | 0.0269 | 0.0000253 | 21.1 | 0.0000112 | 0.000361 | 0.000318 | 0.00128 | 0.0849 |
| 2032 Jun | 115 | 0.000464 | 0.345 | 0.000815 | 18.8 | 0.0793 | 36.2 | 0.00000859 | 0.0159 | 0.0174 | 0.00934 | 0.027 | 0.0000251 | 21.2 | 0.0000115 | 0.000359 | 0.000314 | 0.00132 | 0.0835 |
| 2032 Jul | 118 | 0.000518 | 0.341 | 0.00081 | 18.7 | 0.0804 | 38.4 | 0.00000857 | 0.0162 | 0.0187 | 0.0093 | 0.0273 | 0.0000249 | 21.9 | 0.0000122 | 0.000357 | 0.000311 | 0.00136 | 0.0825 |
| 2032 Aug | 119 | 0.000525 | 0.34 | 0.000811 | 18.7 | 0.0807 | 39.1 | 0.00000857 | 0.0163 | 0.0191 | 0.00929 | 0.0273 | 0.0000249 | 22 | 0.0000124 | 0.000357 | 0.00031 | 0.00137 | 0.0824 |
| 2032 Sep | 119 | 0.000532 | 0.34 | 0.000812 | 18.7 | 0.0809 | 39.6 | 0.00000857 | 0.0163 | 0.0194 | 0.00929 | 0.0274 | 0.0000248 | 22.2 | 0.0000125 | 0.000357 | 0.00031 | 0.00138 | 0.0822 |
| 2032 Oct | 119 | 0.000536 | 0.34 | 0.000813 | 18.7 | 0.081 | 39.6 | 0.00000856 | 0.0163 | 0.0195 | 0.00929 | 0.0274 | 0.0000248 | 22.2 | 0.0000125 | 0.000357 | 0.00031 | 0.00138 | 0.0822 |
| 2032 Nov | 119 | 0.000536 | 0.34 | 0.000813 | 18.7 | 0.081 | 39.6 | 0.00000856 | 0.0163 | 0.0196 | 0.00929 | 0.0274 | 0.0000248 | 22.2 | 0.0000125 | 0.000357 | 0.00031 | 0.00138 | 0.0822 |
| 2032 Dec | 119 | 0.000536 | 0.34 | 0.000813 | 18.7 | 0.081 | 39.6 | 0.00000856 | 0.0163 | 0.0196 | 0.00929 | 0.0274 | 0.0000248 | 22.2 | 0.0000125 | 0.000357 | 0.00031 | 0.00138 | 0.0822 |
| 2033 Jan | 119 | 0.000536 | 0.34 | 0.000813 | 18.7 | 0.081 | 39.6 | 0.00000856 | 0.0163 | 0.0196 | 0.00929 | 0.0274 | 0.0000248 | 22.2 | 0.0000125 | 0.000357 | 0.00031 | 0.00138 | 0.0822 |
| 2033 Feb | 119 | 0.000536 | 0.34 | 0.000813 | 18.7 | 0.081 | 39.6 | 0.00000856 | 0.0163 | 0.0196 | 0.00929 | 0.0274 | 0.0000248 | 22.2 | 0.0000125 | 0.000357 | 0.00031 | 0.00138 | 0.0822 |
| 2033 Mar | 119 | 0.000536 | 0.34 | 0.000813 | 18.7 | 0.081 | 39.6 | 0.00000856 | 0.0163 | 0.0197 | 0.00929 | 0.0274 | 0.0000248 | 22.2 | 0.0000125 | 0.000357 | 0.00031 | 0.00138 | 0.0822 |
| 2033 Apr | 119 | 0.000536 | 0.34 | 0.000813 | 18.7 | 0.081 | 39.6 | 0.00000857 | 0.0163 | 0.0197 | 0.00929 | 0.0274 | 0.0000248 | 22.2 | 0.0000125 | 0.000357 | 0.00031 | 0.00138 | 0.0822 |
| 2033 May | 119 | 0.00056 | 0.339 | 0.000812 | 18.6 | 0.0808 | 39.6 | 0.00000856 | 0.0163 | 0.0197 | 0.00928 | 0.0274 | 0.0000248 | 22.1 | 0.0000125 | 0.000356 | 0.000309 | 0.00138 | 0.082 |
| 2033 Jun | 120 | 0.000652 | 0.331 | 0.000803 | 18.4 | 0.0824 | 41.1 | 0.00000854 | 0.0171 | 0.0207 | 0.00922 | 0.0275 | 0.0000245 | 22.4 | 0.000013 | 0.000354 | 0.000303 | 0.00142 | 0.0804 |
| 2033 Jul | 122 | 0.000666 | 0.33 | 0.000803 | 18.4 | 0.0832 | 42.3 | 0.00000854 | 0.0174 | 0.0214 | 0.00921 | 0.0277 | 0.0000245 | 22.8 | 0.0000133 | 0.000354 | 0.000302 | 0.00145 | 0.0801 |
| 2033 Aug | 122 | 0.000672 | 0.329 | 0.000805 | 18.4 | 0.0835 | 42.8 | 0.00000855 | 0.0175 | 0.0218 | 0.00922 | 0.0278 | 0.0000245 | 22.9 | 0.0000134 | 0.000354 | 0.000302 | 0.00145 | 0.08 |
| 2033 Sep | 123 | 0.000689 | 0.328 | 0.000804 | 18.3 | 0.0838 | 43.5 | 0.00000854 | 0.0176 | 0.0223 | 0.0092 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000354 | 0.000301 | 0.00147 | 0.0796 |
| 2033 Oct | 123 | 0.0007 | 0.327 | 0.000804 | 18.3 | 0.0838 | 43.7 | 0.00000853 | 0.0177 | 0.0225 | 0.00919 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000353 | 0.0003 | 0.00147 | 0.0794 |
| 2033 Nov | 123 | 0.000702 | 0.326 | 0.000803 | 18.2 | 0.0838 | 43.6 | 0.00000853 | 0.0176 | 0.0227 | 0.00918 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000352 | 0.0003 | 0.00147 | 0.0793 |
| 2033 Dec | 123 | 0.000702 | 0.326 | 0.000803 | 18.2 | 0.0838 | 43.6 | 0.00000853 | 0.0176 | 0.0227 | 0.00918 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000352 | 0.0003 | 0.00147 | 0.0793 |

**Appendix D9. IVR Pit**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2034 Jan | 123 | 0.000702 | 0.326 | 0.000803 | 18.2 | 0.0838 | 43.6 | 0.00000853 | 0.0176 | 0.0227 | 0.00918 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000352 | 0.0003 | 0.00147 | 0.0793 |
| 2034 Feb | 123 | 0.000702 | 0.326 | 0.000803 | 18.2 | 0.0838 | 43.6 | 0.00000853 | 0.0176 | 0.0227 | 0.00918 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000352 | 0.0003 | 0.00147 | 0.0793 |
| 2034 Mar | 123 | 0.000702 | 0.326 | 0.000803 | 18.2 | 0.0838 | 43.6 | 0.00000853 | 0.0176 | 0.0227 | 0.00918 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000352 | 0.0003 | 0.00147 | 0.0793 |
| 2034 Apr | 123 | 0.000702 | 0.326 | 0.000803 | 18.2 | 0.0838 | 43.6 | 0.00000853 | 0.0176 | 0.0227 | 0.00918 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000352 | 0.0003 | 0.00147 | 0.0793 |
| 2034 May | 123 | 0.000708 | 0.326 | 0.000804 | 18.2 | 0.0838 | 43.6 | 0.00000853 | 0.0176 | 0.0228 | 0.00918 | 0.0279 | 0.0000244 | 23.1 | 0.0000137 | 0.000352 | 0.0003 | 0.00147 | 0.0793 |
| 2034 Jun | 123 | 0.000786 | 0.323 | 0.0008 | 18.1 | 0.0834 | 43.5 | 0.00000849 | 0.0175 | 0.0246 | 0.00914 | 0.0277 | 0.0000242 | 23 | 0.0000136 | 0.000349 | 0.000297 | 0.00146 | 0.0785 |
| 2034 Jul | 123 | 0.000796 | 0.323 | 0.0008 | 18.1 | 0.0835 | 43.8 | 0.00000849 | 0.0175 | 0.0264 | 0.00914 | 0.0278 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00146 | 0.0784 |
| 2034 Aug | 123 | 0.000798 | 0.323 | 0.000801 | 18.1 | 0.0836 | 43.9 | 0.0000085 | 0.0175 | 0.0268 | 0.00915 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.00035 | 0.000298 | 0.00147 | 0.0785 |
| 2034 Sep | 123 | 0.000806 | 0.323 | 0.0008 | 18.1 | 0.0836 | 44 | 0.0000085 | 0.0175 | 0.0277 | 0.00915 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0784 |
| 2034 Oct | 123 | 0.000816 | 0.322 | 0.000799 | 18.1 | 0.0836 | 44 | 0.00000849 | 0.0174 | 0.0284 | 0.00914 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0783 |
| 2034 Nov | 123 | 0.000816 | 0.322 | 0.000799 | 18.1 | 0.0836 | 44 | 0.00000849 | 0.0174 | 0.0284 | 0.00913 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0783 |
| 2034 Dec | 123 | 0.000816 | 0.322 | 0.000799 | 18.1 | 0.0836 | 44 | 0.00000849 | 0.0174 | 0.0284 | 0.00913 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0783 |
| 2035 Jan | 123 | 0.000816 | 0.322 | 0.000799 | 18.1 | 0.0836 | 44 | 0.00000849 | 0.0174 | 0.0285 | 0.00913 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0783 |
| 2035 Feb | 123 | 0.000816 | 0.322 | 0.000799 | 18.1 | 0.0836 | 44 | 0.00000849 | 0.0174 | 0.0285 | 0.00913 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0783 |
| 2035 Mar | 123 | 0.000816 | 0.322 | 0.000799 | 18.1 | 0.0836 | 44 | 0.00000849 | 0.0174 | 0.0285 | 0.00914 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0783 |
| 2035 Apr | 123 | 0.000816 | 0.322 | 0.000799 | 18.1 | 0.0836 | 44 | 0.00000849 | 0.0174 | 0.0285 | 0.00914 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0783 |
| 2035 May | 123 | 0.000817 | 0.322 | 0.0008 | 18.1 | 0.0836 | 44 | 0.00000849 | 0.0175 | 0.0285 | 0.00914 | 0.0279 | 0.0000242 | 23.1 | 0.0000137 | 0.000349 | 0.000297 | 0.00147 | 0.0783 |
| 2035 Jun | 122 | 0.000902 | 0.318 | 0.000796 | 17.9 | 0.0832 | 43.9 | 0.00000845 | 0.0173 | 0.0306 | 0.00909 | 0.0278 | 0.000024 | 23 | 0.0000137 | 0.000346 | 0.000294 | 0.00146 | 0.0775 |
| 2035 Jul | 123 | 0.000923 | 0.318 | 0.000796 | 17.9 | 0.0833 | 44.1 | 0.00000846 | 0.0173 | 0.0319 | 0.00909 | 0.0278 | 0.000024 | 23.1 | 0.0000137 | 0.000345 | 0.000294 | 0.00146 | 0.0774 |
| 2035 Aug | 123 | 0.000925 | 0.318 | 0.000796 | 17.9 | 0.0834 | 44.2 | 0.00000846 | 0.0173 | 0.0327 | 0.0091 | 0.0278 | 0.000024 | 23.1 | 0.0000137 | 0.000346 | 0.000294 | 0.00146 | 0.0774 |
| 2035 Sep | 123 | 0.000939 | 0.317 | 0.000795 | 17.9 | 0.0833 | 44.2 | 0.00000845 | 0.0172 | 0.0339 | 0.00908 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000345 | 0.000293 | 0.00146 | 0.0772 |
| 2035 Oct | 123 | 0.000951 | 0.316 | 0.000794 | 17.8 | 0.0832 | 44.2 | 0.00000844 | 0.0172 | 0.0345 | 0.00907 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000344 | 0.000293 | 0.00146 | 0.077 |
| 2035 Nov | 123 | 0.000951 | 0.316 | 0.000793 | 17.8 | 0.0832 | 44.2 | 0.00000843 | 0.0172 | 0.0347 | 0.00907 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000344 | 0.000292 | 0.00146 | 0.0769 |
| 2035 Dec | 123 | 0.000952 | 0.316 | 0.000793 | 17.8 | 0.0832 | 44.2 | 0.00000843 | 0.0172 | 0.0347 | 0.00907 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000344 | 0.000292 | 0.00146 | 0.0769 |
| 2036 Jan | 123 | 0.000952 | 0.316 | 0.000793 | 17.8 | 0.0832 | 44.2 | 0.00000843 | 0.0172 | 0.0347 | 0.00907 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000344 | 0.000292 | 0.00146 | 0.0769 |
| 2036 Feb | 123 | 0.000952 | 0.316 | 0.000793 | 17.8 | 0.0832 | 44.2 | 0.00000843 | 0.0172 | 0.0347 | 0.00907 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000344 | 0.000292 | 0.00146 | 0.0769 |
| 2036 Mar | 123 | 0.000952 | 0.316 | 0.000793 | 17.8 | 0.0832 | 44.2 | 0.00000843 | 0.0172 | 0.0348 | 0.00907 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000344 | 0.000292 | 0.00146 | 0.0769 |
| 2036 Apr | 123 | 0.000952 | 0.316 | 0.000793 | 17.8 | 0.0832 | 44.2 | 0.00000843 | 0.0172 | 0.0348 | 0.00907 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000344 | 0.000292 | 0.00146 | 0.0769 |
| 2036 May | 123 | 0.000952 | 0.316 | 0.000794 | 17.8 | 0.0832 | 44.2 | 0.00000844 | 0.0172 | 0.0348 | 0.00907 | 0.0278 | 0.0000239 | 23.1 | 0.0000137 | 0.000344 | 0.000293 | 0.00146 | 0.077 |
| 2036 Jun | 122 | 0.000325 | 0.314 | 0.000791 | 17.7 | 0.0829 | 44.2 | 0.00000841 | 0.0171 | 0.0361 | 0.00904 | 0.0277 | 0.0000238 | 23 | 0.0000137 | 0.000342 | 0.000291 | 0.00145 | 0.0764 |
| 2036 Jul | 122 | 0.0000623 | 0.313 | 0.00079 | 17.7 | 0.0829 | 44.3 | 0.0000084 | 0.017 | 0.0382 | 0.00902 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.000341 | 0.00029 | 0.00145 | 0.0761 |
| 2036 Aug | 122 | 0.0000643 | 0.313 | 0.00079 | 17.7 | 0.083 | 44.4 | 0.0000084 | 0.017 | 0.0389 | 0.00903 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.000341 | 0.00029 | 0.00145 | 0.0761 |
| 2036 Sep | 122 | 0.0000698 | 0.313 | 0.00079 | 17.7 | 0.083 | 44.5 | 0.0000084 | 0.017 | 0.0395 | 0.00903 | 0.0278 | 0.0000237 | 23.1 | 0.0000137 | 0.000341 | 0.00029 | 0.00145 | 0.076 |
| 2036 Oct | 122 | 0.0000848 | 0.312 | 0.000789 | 17.6 | 0.0829 | 44.5 | 0.00000839 | 0.017 | 0.04 | 0.00901 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.00034 | 0.000289 | 0.00145 | 0.0759 |
| 2036 Nov | 122 | 0.0000853 | 0.312 | 0.000789 | 17.6 | 0.0829 | 44.5 | 0.00000839 | 0.017 | 0.0401 | 0.00901 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.00034 | 0.000289 | 0.00145 | 0.0759 |
| 2036 Dec | 122 | 0.0000854 | 0.312 | 0.000789 | 17.6 | 0.0829 | 44.5 | 0.00000839 | 0.017 | 0.0401 | 0.00901 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.00034 | 0.000289 | 0.00145 | 0.0759 |
| 2037 Jan | 122 | 0.0000855 | 0.312 | 0.000789 | 17.6 | 0.0829 | 44.5 | 0.00000839 | 0.017 | 0.0401 | 0.00901 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.00034 | 0.000289 | 0.00145 | 0.0759 |
| 2037 Feb | 122 | 0.0000855 | 0.312 | 0.000789 | 17.6 | 0.0829 | 44.5 | 0.00000839 | 0.017 | 0.0401 | 0.00901 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.00034 | 0.000289 | 0.00145 | 0.0759 |
| 2037 Mar | 122 | 0.0000855 | 0.312 | 0.000789 | 17.6 | 0.0829 | 44.5 | 0.00000839 | 0.017 | 0.0401 | 0.00901 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.00034 | 0.000289 | 0.00145 | 0.0759 |
| 2037 Apr | 122 | 0.0000855 | 0.312 | 0.000789 | 17.6 | 0.0829 | 44.5 | 0.00000839 | 0.017 | 0.0401 | 0.00901 | 0.0278 | 0.0000237 | 23 | 0.0000137 | 0.00034 | 0.000289 | 0.00145 | 0.0759 |
| 2037 May | 122 | 0.000108 | 0.311 | 0.000788 | 17.6 | 0.0828 | 44.4 | 0.00000839 | 0.0169 | 0.0403 | 0.009 | 0.0277 | 0.0000236 | 23 | 0.0000137 | 0.000339 | 0.000289 | 0.00145 | 0.0757 |
| 2037 Jun | 121 | 0.000214 | 0.307 | 0.000783 | 17.4 | 0.0823 | 44.3 | 0.00000833 | 0.0167 | 0.0431 | 0.00894 | 0.0276 | 0.0000234 | 22.9 | 0.0000136 | 0.000335 | 0.000285 | 0.00144 | 0.0746 |
| 2037 Jul | 122 | 0.00023 | 0.306 | 0.000782 | 17.4 | 0.0823 | 44.5 | 0.00000833 | 0.0167 | 0.0449 | 0.00893 | 0.0276 | 0.0000234 | 22.9 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0745 |
| 2037 Aug | 122 | 0.000232 | 0.306 | 0.000783 | 17.4 | 0.0824 | 44.6 | 0.00000833 | 0.0167 | 0.0455 | 0.00894 | 0.0277 | 0.0000234 | 22.9 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0745 |
| 2037 Sep | 122 | 0.000235 | 0.306 | 0.000783 | 17.4 | 0.0825 | 44.7 | 0.00000834 | 0.0167 | 0.0459 | 0.00894 | 0.0277 | 0.0000234 | 23 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0745 |
| 2037 Oct | 122 | 0.000239 | 0.306 | 0.000783 | 17.4 | 0.0825 | 44.7 | 0.00000833 | 0.0167 | 0.0462 | 0.00894 | 0.0277 | 0.0000234 | 23 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0745 |
| 2037 Nov | 122 | 0.00024 | 0.306 | 0.000783 | 17.4 | 0.0825 | 44.7 | 0.00000833 | 0.0167 | 0.0462 | 0.00894 | 0.0277 | 0.0000234 | 22.9 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0744 |
| 2037 Dec | 122 | 0.00024 | 0.306 | 0.000783 | 17.4 | 0.0825 | 44.7 | 0.00000833 | 0.0167 | 0.0462 | 0.00894 | 0.0277 | 0.0000234 | 22.9 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0744 |
| 2038 Jan | 122 | 0.00024 | 0.306 | 0.000783 | 17.4 | 0.0824 | 44.7 | 0.00000833 | 0.0167 | 0.0462 | 0.00894 | 0.0277 | 0.0000234 | 22.9 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0744 |
| 2038 Feb | 122 | 0.00024 | 0.306 | 0.000783 | 17.4 | 0.0824 | 44.7 | 0.00000833 | 0.0167 | 0.0462 | 0.00894 | 0.0277 | 0.0000234 | 22.9 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0744 |
| 2038 Mar | 122 | 0.00024 | 0.306 | 0.000783 | 17.4 | 0.0824 | 44.7 | 0.00000833 | 0.0167 | 0.0462 | 0.00894 | 0.0277 | 0.0000234 | 22.9 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0744 |
| 2038 Apr | 122 | 0.00024 | 0.306 | 0.000783 | 17.4 | 0.0825 | 44.7 | 0.00000833 | 0.0167 | 0.0462 | 0.00894 | 0.0277 | 0.0000234 | 22.9 | 0.0000137 | 0.000335 | 0.000285 | 0.00144 | 0.0745 |
| 2038 May | 122 | 0.000253 | 0.305 | 0.000782 | 17.3 | 0.0824 | 44.7 | 0.00000833 | 0.0167 | 0.0464 | 0.00894 | 0.0277 | 0.0000234 | 22.9 | 0.0000137 | 0.000334 | 0.000284 | 0.00144 | 0.0744 |
| 2038 Jun | 121 | 0.000329 | 0.302 | 0.000779 | 17.2 | 0.0821 | 44.7 | 0.00000829 | 0.0165 | 0.0488 | 0.00889 | 0.0276 | 0.0000232 | 22.9 | 0.0000137 | 0.000332 | 0.000282 | 0.00143 | 0.0736 |
| 2038 Jul | 121 | 0.000337 | 0.302 | 0.00078 | 17.2 | 0.0822 | 44.8 | 0.00000831 | 0.0165 | 0.0494 | 0.00891 | 0.0277 | 0.0000233 | 22.9 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0737 |
| 2038 Aug | 122 | 0.000339 | 0.303 | 0.00078 | 17.2 | 0.0823 | 44.9 | 0.00000831 | 0.0165 | 0.0501 | 0.00891 | 0.0277 | 0.0000233 | 22.9 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0737 |
| 2038 Sep | 122 | 0.000345 | 0.302 | 0.00078 | 17.2 | 0.0824 | 45 | 0.00000831 | 0.0165 | 0.0507 | 0.00891 | 0.0277 | 0.0000233 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0737 |
| 2038 Oct | 122 | 0.000355 | 0.302 | 0.00078 | 17.2 | 0.0823 | 45 | 0.00000831 | 0.0165 | 0.0513 | 0.0089 | 0.0277 | 0.0000232 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0736 |
| 2038 Nov | 122 | 0.000355 | 0.302 | 0.00078 | 17.2 | 0.0823 | 45 | 0.00000831 | 0.0165 | 0.0513 | 0.00891 | 0.0277 | 0.0000232 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0736 |
| 2038 Dec | 122 | 0.000355 | 0.302 | 0.00078 | 17.2 | 0.0823 | 45 | 0.00000831 | 0.0165 | 0.0513 | 0.00891 | 0.0277 | 0.0000232 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0736 |
| 2039 Jan | 122 | 0.000355 | 0.302 | 0.00078 | 17.2 | 0.0823 | 45 | 0.00000831 | 0.0165 | 0.0513 | 0.00891 | 0.0277 | 0.0000232 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0736 |
| 2039 Feb | 122 | 0.000355 | 0.302 | 0.00078 | 17.2 | 0.0823 | 45 | 0.00000831 | 0.0165 | 0.0513 | 0.00891 | 0.0277 | 0.0000232 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0736 |
| 2039 Mar | 122 | 0.000355 | 0.302 | 0.00078 | 17.2 | 0.0823 | 45 | 0.00000831 | 0.0165 | 0.0513 | 0.00891 | 0.0277 | 0.0000232 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0736 |
| 2039 Apr | 122 | 0.000355 | 0.302 | 0.00078 | 17.2 | 0.0823 | 45 | 0.00000831 | 0.0165 | 0.0513 | 0.00891 | 0.0277 | 0.0000232 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0736 |
| 2039 May | 122 | 0.000355 | 0.302 | 0.00078 | 17.2 | 0.0823 | 45 | 0.00000831 | 0.0165 | 0.0513 | 0.00891 | 0.0277 | 0.0000232 | 23 | 0.0000137 | 0.000332 | 0.000282 | 0.00144 | 0.0736 |
| 2039 Jun | 121 | 0.000436 | 0.299 | 0.000777 | 17.1 | 0.082 | 44.9 | 0.00000828 | 0.0164 | 0.0527 | 0.00887 | 0.0276 | 0.0000231 | 22.9 | 0.0000137 | 0.000329 | 0.00028 | 0.00143 | 0.073 |
| 2039 Jul | 121 | 0.000477 | 0.298 | 0.000775 | 17 | 0.082 | 45.1 | 0.00000826 | 0.0163 | 0.055 | 0.00885 | 0.0277 | 0.000023 | 22.9 | 0.0000137 | 0.000328 | 0.000279 | 0.00143 | 0.0726 |
| 2039 Aug | 121 | 0.00048 | 0.298 | 0.000775 | 17 | 0.0821 | 45.2 | 0.00000827 | 0.0163 | 0.0557 | 0.00886 | 0.0277 | 0.000023 | 22.9 | 0.0000137 | 0.000328 | 0.000279 | 0.00143 | 0.0726 |

**Appendix D9. IVR Pit**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000253 | 4.07 | 0.00113 | 10.3 | 0.0635 | 0.014 | 28.1 | 0.174 | 0.00183 | 0.0000209 | 0.00352 | 0.00293 | 0.0342 | 0.00000893 | 0.000436 | 0.00202 | 0.000662 | |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000253 | 4.67 | 0.00122 | 25.1 | 0.359 | 0.0152 | 32.6 | 0.214 | 0.00192 | 0.000081 | 0.00387 | 0.00327 | 0.0391 | 0.0000093 | 0.000537 | 0.00221 | 0.000878 | |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000254 | 5.33 | 0.00134 | 34.2 | 0.528 | 0.0177 | 38.1 | 0.253 | 0.0022 | 0.00018 | 0.00477 | 0.00372 | 0.0431 | 0.0000102 | 0.00064 | 0.00267 | 0.00107 | |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Aug., 2039): Min | 0.00000299 | 2.4 | 0.00123 | 3.76 | 0.073 | 0.00188 | 1.83 | 0.00829 | 0.00234 | 0.0000317 | 0.000428 | 0.000198 | 0.0411 | 0.00000688 | 0.000263 | 0.000749 | 0.00145 | 0.00212 |
| Active Closure (Jul., 2028 to Aug., 2039): Average | 0.00000532 | 2.92 | 0.00304 | 4.58 | 0.0766 | 0.00271 | 2.02 | 0.018 | 0.00652 | 0.0000632 | 0.000492 | 0.00025 | 0.104 | 0.00000792 | 0.000403 | 0.000776 | 0.00222 | 0.00253 |
| Active Closure (Jul., 2028 to Aug., 2039): Max | 0.00000572 | 3.18 | 0.00358 | 11.1 | 0.168 | 0.00517 | 9.82 | 0.0742 | 0.00762 | 0.0000698 | 0.00125 | 0.00111 | 0.129 | 0.00000815 | 0.000425 | 0.000942 | 0.00227 | 0.00386 |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Aug 2039) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000253 | 4.07 | 0.00114 | 10.3 | 0.0636 | 0.0155 | 28.1 | 0.174 | 0.00201 | 0.000133 | 0.00415 | 0.00305 | 0.0343 | 0.00000967 | 0.000437 | 0.00244 | 0.000931 | |
| 2024 Feb | 0.00000253 | 4.07 | 0.00114 | 10.3 | 0.0636 | 0.0155 | 28.1 | 0.174 | 0.00201 | 0.000133 | 0.00414 | 0.00305 | 0.0343 | 0.00000967 | 0.000436 | 0.00244 | 0.000931 | |
| 2024 Mar | 0.00000253 | 4.07 | 0.00114 | 10.3 | 0.0635 | 0.0155 | 28.1 | 0.174 | 0.00201 | 0.000133 | 0.00414 | 0.00305 | 0.0342 | 0.00000967 | 0.000436 | 0.00243 | 0.000932 | |
| 2024 Apr | 0.00000253 | 4.07 | 0.00114 | 10.3 | 0.0635 | 0.0155 | 28.1 | 0.174 | 0.00201 | 0.000133 | 0.00414 | 0.00305 | 0.0342 | 0.00000967 | 0.000436 | 0.00243 | 0.000932 | |
| 2024 May | 0.00000253 | 4.19 | 0.00115 | 13 | 0.116 | 0.0154 | 29 | 0.183 | 0.00199 | 0.0000956 | 0.00414 | 0.00309 | 0.0351 | 0.00000961 | 0.000454 | 0.0024 | 0.00088 | |
| 2024 Jun | 0.00000254 | 4.97 | 0.00128 | 20.8 | 0.251 | 0.0174 | 35 | 0.227 | 0.0022 | 0.0000219 | 0.00468 | 0.00361 | 0.0402 | 0.0000101 | 0.000554 | 0.00262 | 0.000684 | |
| 2024 Jul | 0.00000253 | 4.97 | 0.00129 | 21 | 0.254 | 0.0176 | 35.3 | 0.229 | 0.0021 | 0.0000217 | 0.00473 | 0.00365 | 0.0395 | 0.0000102 | 0.000559 | 0.00265 | 0.000669 | |
| 2024 Aug | 0.00000253 | 5 | 0.00129 | 21.1 | 0.256 | 0.0177 | 35.6 | 0.231 | 0.0021 | 0.0000217 | 0.00477 | 0.00368 | 0.0396 | 0.0000102 | 0.000564 | 0.00267 | 0.000662 | |
| 2024 Sep | 0.00000253 | 4.4 | 0.00118 | 18.4 | 0.221 | 0.0153 | 30.8 | 0.199 | 0.00195 | 0.0000222 | 0.00412 | 0.00318 | 0.0365 | 0.00000949 | 0.000489 | 0.00234 | 0.000776 | |
| 2024 Oct | 0.00000253 | 4.19 | 0.00114 | 17.4 | 0.208 | 0.0144 | 29.1 | 0.188 | 0.00189 | 0.0000379 | 0.00389 | 0.00299 | 0.0354 | 0.00000923 | 0.000461 | 0.00221 | 0.00084 | |
| 2024 Nov | 0.00000253 | 4.16 | 0.00114 | 17.2 | 0.205 | 0.0142 | 28.7 | 0.185 | 0.00188 | 0.0000999 | 0.00384 | 0.00296 | 0.0356 | 0.00000917 | 0.000455 | 0.00219 | 0.000935 | |
| 2024 Dec | 0.00000253 | 4.14 | 0.00113 | 17.1 | 0.204 | 0.0142 | 28.6 | 0.184 | 0.00188 | 0.0000996 | 0.00382 | 0.00294 | 0.0355 | 0.00000915 | 0.000454 | 0.00218 | 0.000938 | |
| 2025 Jan | 0.00000253 | 4.14 | 0.00113 | 17.1 | 0.204 | 0.0142 | 28.5 | 0.184 | 0.00188 | 0.0000994 | 0.00381 | 0.00294 | 0.0354 | 0.00000914 | 0.000453 | 0.00218 | 0.000939 | |
| 2025 Feb | 0.00000253 | 4.13 | 0.00113 | 17.1 | 0.204 | 0.0141 | 28.5 | 0.184 | 0.00188 | 0.0000993 | 0.00381 | 0.00293 | 0.0354 | 0.00000914 | 0.000452 | 0.00217 | 0.00094 | |
| 2025 Mar | 0.00000253 | 4.13 | 0.00113 | 17 | 0.204 | 0.0141 | 28.5 | 0.184 | 0.00188 | 0.0000993 | 0.00381 | 0.00293 | 0.0354 | 0.00000914 | 0.000452 | 0.00217 | 0.00094 | |
| 2025 Apr | 0.00000253 | 4.13 | 0.00113 | 17 | 0.203 | 0.0141 | 28.5 | 0.184 | 0.00188 | 0.0000993 | 0.00381 | 0.00293 | 0.0354 | 0.00000914 | 0.000452 | 0.00217 | 0.00094 | |
| 2025 May | 0.00000253 | 4.13 | 0.00113 | 17 | 0.203 | 0.0141 | 28.5 | 0.184 | 0.00188 | 0.0000993 | 0.00381 | 0.00293 | 0.0354 | 0.00000913 | 0.000452 | 0.00217 | 0.00094 | |
| 2025 Jun | 0.00000254 | 4.64 | 0.00121 | 24.1 | 0.337 | 0.0151 | 32.1 | 0.209 | 0.00207 | 0.0000374 | 0.00384 | 0.00324 | 0.0395 | 0.00000928 | 0.000526 | 0.00221 | 0.000824 | |
| 2025 Jul | 0.00000254 | 4.6 | 0.00121 | 24.9 | 0.357 | 0.0147 | 31.7 | 0.208 | 0.00205 | 0.000022 | 0.00371 | 0.0032 | 0.0392 | 0.00000916 | 0.000525 | 0.00214 | 0.000821 | |
| 2025 Aug | 0.00000253 | 5.11 | 0.00131 | 28.3 | 0.408 | 0.0169 | 36.2 | 0.238 | 0.00201 | 0.0000215 | 0.00424 | 0.00366 | 0.0413 | 0.00000974 | 0.0006 | 0.00242 | 0.000718 | |
| 2025 Sep | 0.00000253 | 4.68 | 0.00123 | 25.7 | 0.369 | 0.0153 | 32.8 | 0.215 | 0.00191 | 0.0000218 | 0.00384 | 0.00331 | 0.0389 | 0.00000929 | 0.000544 | 0.00221 | 0.000792 | |
| 2025 Oct | 0.00000253 | 4.47 | 0.00119 | 24.2 | 0.346 | 0.0143 | 30.8 | 0.202 | 0.00185 | 0.00016 | 0.00361 | 0.00311 | 0.0385 | 0.00000903 | 0.000511 | 0.00209 | 0.00103 | |
| 2025 Nov | 0.00000253 | 4.45 | 0.00118 | 24.1 | 0.344 | 0.0142 | 30.6 | 0.201 | 0.00185 | 0.00018 | 0.00359 | 0.00309 | 0.0384 | 0.00000901 | 0.000508 | 0.00208 | 0.00106 | |
| 2025 Dec | 0.00000253 | 4.44 | 0.00118 | 24 | 0.343 | 0.0142 | 30.6 | 0.2 | 0.00185 | 0.00018 | 0.00358 | 0.00308 | 0.0384 | 0.00000899 | 0.000506 | 0.00207 | 0.00106 | |
| 2026 Jan | 0.00000253 | 4.43 | 0.00118 | 24 | 0.343 | 0.0141 | 30.5 | 0.2 | 0.00185 | 0.000179 | 0.00357 | 0.00307 | 0.0383 | 0.00000899 | 0.000505 | 0.00207 | 0.00107 | |
| 2026 Feb | 0.00000253 | 4.43 | 0.00118 | 24 | 0.342 | 0.0141 | 30.5 | 0.199 | 0.00185 | 0.000179 | 0.00357 | 0.00307 | 0.0383 | 0.00000898 | 0.000505 | 0.00207 | 0.00107 | |
| 2026 Mar | 0.00000253 | 4.43 | 0.00118 | 24 | 0.342 | 0.0141 | 30.5 | 0.199 | 0.00185 | 0.000179 | 0.00357 | 0.00307 | 0.0383 | 0.00000898 | 0.000505 | 0.00207 | 0.00107 | |
| 2026 Apr | 0.00000253 | 4.43 | 0.00118 | 23.9 | 0.342 | 0.0141 | 30.5 | 0.199 | 0.00185 | 0.000179 | 0.00356 | 0.00307 | 0.0383 | 0.00000898 | 0.000505 | 0.00207 | 0.00107 | |
| 2026 May | 0.00000253 | 4.4 | 0.00117 | 24 | 0.345 | 0.014 | 30.3 | 0.198 | 0.00184 | 0.000168 | 0.00352 | 0.00304 | 0.0381 | 0.00000893 | 0.000502 | 0.00204 | 0.00106 | |
| 2026 Jun | 0.00000254 | 5.04 | 0.00128 | 31.8 | 0.489 | 0.0155 | 35.3 | 0.235 | 0.00202 | 0.0000215 | 0.00383 | 0.00345 | 0.0421 | 0.0000093 | 0.000594 | 0.00217 | 0.00079 | |
| 2026 Jul | 0.00000254 | 5.27 | 0.00133 | 33.7 | 0.521 | 0.0165 | 37.5 | 0.25 | 0.00196 | 0.000021 | 0.00407 | 0.00367 | 0.0428 | 0.00000956 | 0.000631 | 0.00229 | 0.000741 | |
| 2026 Aug | 0.00000254 | 5.33 | 0.00134 | 34.2 | 0.528 | 0.0167 | 38.1 | 0.253 | 0.00196 | 0.0000209 | 0.00413 | 0.00372 | 0.0431 | 0.00000962 | 0.00064 | 0.00232 | 0.000728 | |
| 2026 Sep | 0.00000254 | 5.33 | 0.00134 | 34.2 | 0.528 | 0.0167 | 38 | 0.253 | 0.00195 | 0.000021 | 0.00413 | 0.00372 | 0.0431 | 0.00000962 | 0.000639 | 0.00232 | 0.000729 | |
| 2026 Oct | 0.00000254 | 5.24 | 0.00133 | 33.6 | 0.519 | 0.0164 | 37.4 | 0.249 | 0.00194 | 0.000023 | 0.00406 | 0.00365 | 0.0427 | 0.00000954 | 0.000629 | 0.00228 | 0.000746 | |
| 2026 Nov | 0.00000254 | 5.23 | 0.00132 | 33.5 | 0.517 | 0.0163 | 37.2 | 0.248 | 0.00194 | 0.0000248 | 0.00404 | 0.00364 | 0.0426 | 0.00000953 | 0.000626 | 0.00227 | 0.000751 | |
| 2026 Dec | 0.00000254 | 5.22 | 0.00132 | 33.4 | 0.516 | 0.0163 | 37.2 | 0.247 | 0.00194 | 0.0000248 | 0.00403 | 0.00363 | 0.0425 | 0.00000952 | 0.000625 | 0.00227 | 0.000753 | |
| 2027 Jan | 0.00000254 | 5.21 | 0.00132 | 33.4 | 0.515 | 0.0163 | 37.1 | 0.247 | 0.00193 | 0.0000248 | 0.00403 | 0.00363 | 0.0425 | 0.00000951 | 0.000624 | 0.00227 | 0.000754 | |
| 2027 Feb | 0.00000254 | 5.21 | 0.00132 | 33.3 | 0.515 | 0.0163 | 37.1 | 0.247 | 0.00193 | 0.0000248 | 0.00403 | 0.00363 | 0.0425 | 0.00000951 | 0.000624 | 0.00227 | 0.000754 | |
| 2027 Mar | 0.00000254 | 5.21 | 0.00132 | 33.3 | 0.515 | 0.0163 | 37.1 | 0.247 | 0.00193 | 0.0000248 | 0.00402 | 0.00363 | 0.0425 | 0.00000951 | 0.000624 | 0.00227 | 0.000754 | |
| 2027 Apr | 0.00000254 | 5.21 | 0.00132 | 33.3 | 0.514 | 0.0163 | 37.1 | 0.247 | 0.00194 | 0.0000248 | 0.00402 | 0.00362 | 0.0425 | 0.00000951 | 0.000624 | 0.00227 | 0.000755 | |
| 2027 May | 0.00000254 | 4.85 | 0.00125 | 30.7 | 0.472 | 0.0149 | 34.1 | 0.226 | 0.00186 | 0.0000244 | 0.0037 | 0.00333 | 0.0404 | 0.00000913 | 0.000573 | 0.0021 | 0.000815 | |
| 2027 Jun | 0.00000254 | 4.76 | 0.00123 | 29.8 | 0.457 | 0.0144 | 33.1 | 0.219 | 0.00197 | 0.0000216 | 0.00358 | 0.00322 | 0.0406 | 0.00000901 | 0.000555 | 0.00204 | 0.000838 | |
| 2027 Jul | 0.00000254 | 4.73 | 0.00123 | 29.8 | 0.457 | 0.0144 | 33.1 | 0.219 | 0.00194 | 0.0000215 | 0.00358 | 0.00322 | 0.0402 | 0.00000901 | 0.000556 | 0.00204 | 0.000835 | |
| 2027 Aug | 0.00000254 | 5.17 | 0.00131 | 33 | 0.51 | 0.0161 | 36.8 | 0.244 | 0.00192 | 0.0000211 | 0.00399 | 0.00359 | 0.0421 | 0.00000946 | 0.000618 | 0.00225 | 0.000755 | |
| 2027 Sep | 0.00000254 | 4.9 | 0.00127 | 31.1 | 0.48 | 0.0152 | 34.7 | 0.23 | 0.00187 | 0.0000213 | 0.00375 | 0.00338 | 0.0407 | 0.0000092 | 0.000583 | 0.00213 | 0.000799 | |
| 2027 Oct | 0.00000253 | 4.75 | 0.00123 | 29.9 | 0.46 | 0.0145 | 33.3 | 0.22 | 0.00183 | 0.000119 | 0.0036 | 0.00324 | 0.0403 | 0.00000902 | 0.000559 | 0.00205 | 0.000965 | |
| 2027 Nov | 0.00000253 | 4.72 | 0.00123 | 29.7 | 0.456 | 0.0144 | 33.1 | 0.219 | 0.00183 | 0.000129 | 0.00358 | 0.00322 | 0.0402 | 0.00000899 | 0.000555 | 0.00204 | 0.000984 | |
| 2027 Dec | 0.00000253 | 4.71 | 0.00123 | 29.6 | 0.455 | 0.0144 | 32.9 | 0.218 | 0.00183 | 0.000129 | 0.00357 | 0.00321 | 0.0401 | 0.00000898 | 0.000553 | 0.00203 | 0.000986 | |
| 2028 Jan | 0.00000253 | 4.7 | 0.00122 | 29.6 | 0.454 | 0.0143 | 32.9 | 0.218 | 0.00183 | 0.000129 | 0.00356 | 0.0032 | 0.04 | 0.00000897 | 0.000552 | 0.00203 | 0.000987 | |
| 2028 Feb | 0.00000253 | 4.7 | 0.00122 | 29.5 | 0.453 | 0.0143 | 32.8 | 0.217 | 0.00183 | 0.000129 | 0.00356 | 0.0032 | 0.04 | 0.00000897 | 0.000551 | 0.00203 | 0.000987 | |
| 2028 Mar | 0.00000253 | 4.69 | 0.00122 | 29.5 | 0.453 | 0.0143 | 32.8 | 0.217 | 0.00183 | 0.000129 | 0.00355 | 0.0032 | 0.04 | 0.00000897 | 0.000551 | 0.00203 | 0.000988 | |
| 2028 Apr | 0.00000253 | 4.69 | 0.00122 | 29.5 | 0.453 | 0.0143 | 32.8 | 0.217 | 0.00183 | 0.000129 | 0.00355 | 0.00319 | 0.04 | 0.00000897 | 0.000551 | 0.00202 | 0.000988 | |
| 2028 May | 0.00000253 | 4.69 | 0.00122 | 29.5 | 0.453 | 0.0143 | 32.8 | 0.217 | 0.00183 | 0.000129 | 0.00355 | 0.00319 | 0.04 | 0.00000896 | 0.000551 | 0.00202 | 0.000988 | |
| 2028 Jun | 0.00000254 | 4.94 | 0.00126 | 31.1 | 0.478 | 0.0151 | 34.6 | 0.229 | 0.00203 | 0.000029 | 0.00374 | 0.00337 | 0.0418 | 0.00000919 | 0.00058 | 0.00212 | 0.000817 | |
| 2028 Jul | 0.00000299 | 2.4 | 0.00123 | 11.1 | 0.168 | 0.00517 | 9.82 | 0.0742 | 0.00234 | 0.0000317 | 0.00125 | 0.00111 | 0.0411 | 0.00000688 | 0.000263 | 0.000942 | 0.00145 | 0.00384 |
| 2028 Aug | 0.00000457 | 3.18 | 0.00357 | 4.02 | 0.0908 | 0.00207 | 2.35 | 0.01 | 0.00759 | 0.0000698 | 0.000457 | 0.000217 | 0.129 | 0.00000757 | 0.000413 | 0.000891 | 0.00224 | 0.00386 |
| 2028 Sep | 0.00000445 | 3.15 | 0.00358 | 3.79 | 0.0889 | 0.00188 | 2.31 | 0.00829 | 0.00762 | 0.0000693 | 0.000433 | 0.0002 | 0.129 | 0.00000743 | 0.000404 | 0.000876 | 0.00221 | 0.00383 |
| 2028 Oct | 0.00000441 | 3.09 | 0.0035 | 3.77 | 0.0869 | 0.00189 | 2.25 | 0.00858 | 0.00745 | 0.0000688 | 0.000429 | 0.000199 | 0.126 | 0.00000735 | 0.000397 | 0.000857 | 0.00218 | 0.00372 |

**Appendix D9. IVR Pit**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Nov | 0.00000441 | 3.08 | 0.00349 | 3.76 | 0.0867 | 0.00189 | 2.25 | 0.00857 | 0.00744 | 0.0000695 | 0.000428 | 0.000198 | 0.126 | 0.00000734 | 0.000396 | 0.000856 | 0.00218 | 0.00371 |
| 2028 Dec | 0.00000441 | 3.08 | 0.00349 | 3.76 | 0.0867 | 0.00189 | 2.25 | 0.00857 | 0.00744 | 0.0000695 | 0.000428 | 0.000198 | 0.126 | 0.00000734 | 0.000396 | 0.000856 | 0.00218 | 0.00371 |
| 2029 Jan | 0.00000441 | 3.08 | 0.00349 | 3.76 | 0.0867 | 0.00189 | 2.25 | 0.00857 | 0.00744 | 0.0000695 | 0.000428 | 0.000198 | 0.126 | 0.00000734 | 0.000396 | 0.000856 | 0.00218 | 0.00371 |
| 2029 Feb | 0.00000441 | 3.08 | 0.00349 | 3.76 | 0.0867 | 0.00189 | 2.25 | 0.00857 | 0.00744 | 0.0000695 | 0.000428 | 0.000198 | 0.126 | 0.00000734 | 0.000396 | 0.000856 | 0.00218 | 0.00371 |
| 2029 Mar | 0.00000441 | 3.08 | 0.00349 | 3.76 | 0.0867 | 0.00189 | 2.25 | 0.00857 | 0.00744 | 0.0000695 | 0.000428 | 0.000198 | 0.126 | 0.00000734 | 0.000396 | 0.000856 | 0.00218 | 0.00371 |
| 2029 Apr | 0.00000441 | 3.08 | 0.00349 | 3.76 | 0.0867 | 0.00189 | 2.25 | 0.00857 | 0.00744 | 0.0000695 | 0.000428 | 0.000198 | 0.126 | 0.00000734 | 0.000396 | 0.000856 | 0.00218 | 0.00371 |
| 2029 May | 0.00000441 | 3.09 | 0.0035 | 3.76 | 0.0867 | 0.00189 | 2.25 | 0.00857 | 0.00744 | 0.0000695 | 0.000428 | 0.000198 | 0.126 | 0.00000735 | 0.000397 | 0.000856 | 0.00218 | 0.00371 |
| 2029 Jun | 0.00000485 | 3.12 | 0.00345 | 3.85 | 0.0861 | 0.00202 | 2.22 | 0.0098 | 0.00734 | 0.0000689 | 0.000458 | 0.000207 | 0.123 | 0.00000774 | 0.000417 | 0.000862 | 0.00224 | 0.00356 |
| 2029 Jul | 0.00000502 | 3.09 | 0.00336 | 4.06 | 0.0839 | 0.00223 | 2.15 | 0.0121 | 0.00718 | 0.0000662 | 0.000472 | 0.000218 | 0.119 | 0.00000787 | 0.000415 | 0.000841 | 0.00224 | 0.00328 |
| 2029 Aug | 0.00000487 | 3.04 | 0.00334 | 3.98 | 0.0821 | 0.00216 | 2.12 | 0.0117 | 0.00717 | 0.0000645 | 0.000452 | 0.00021 | 0.118 | 0.00000772 | 0.0004 | 0.000815 | 0.00221 | 0.00316 |
| 2029 Sep | 0.00000487 | 3.03 | 0.00334 | 3.99 | 0.0814 | 0.00217 | 2.11 | 0.0119 | 0.00716 | 0.0000639 | 0.000449 | 0.000209 | 0.117 | 0.00000771 | 0.000397 | 0.000807 | 0.0022 | 0.00309 |
| 2029 Oct | 0.00000489 | 3.03 | 0.00333 | 3.98 | 0.0812 | 0.00217 | 2.1 | 0.0119 | 0.00714 | 0.0000637 | 0.00045 | 0.000209 | 0.117 | 0.00000773 | 0.000398 | 0.000805 | 0.0022 | 0.00307 |
| 2029 Nov | 0.0000049 | 3.03 | 0.00333 | 3.98 | 0.0812 | 0.00217 | 2.1 | 0.0119 | 0.00714 | 0.0000638 | 0.00045 | 0.000209 | 0.117 | 0.00000773 | 0.000398 | 0.000805 | 0.0022 | 0.00307 |
| 2029 Dec | 0.0000049 | 3.03 | 0.00333 | 3.98 | 0.0812 | 0.00217 | 2.1 | 0.0119 | 0.00714 | 0.0000638 | 0.00045 | 0.000209 | 0.117 | 0.00000773 | 0.000398 | 0.000805 | 0.0022 | 0.00307 |
| 2030 Jan | 0.0000049 | 3.03 | 0.00333 | 3.98 | 0.0812 | 0.00217 | 2.1 | 0.0119 | 0.00714 | 0.0000638 | 0.00045 | 0.000209 | 0.117 | 0.00000773 | 0.000398 | 0.000805 | 0.0022 | 0.00307 |
| 2030 Feb | 0.0000049 | 3.03 | 0.00333 | 3.98 | 0.0812 | 0.00217 | 2.1 | 0.0119 | 0.00714 | 0.0000638 | 0.00045 | 0.000209 | 0.117 | 0.00000773 | 0.000398 | 0.000805 | 0.0022 | 0.00307 |
| 2030 Mar | 0.0000049 | 3.03 | 0.00333 | 3.98 | 0.0812 | 0.00217 | 2.1 | 0.0119 | 0.00714 | 0.0000638 | 0.00045 | 0.000209 | 0.117 | 0.00000773 | 0.000398 | 0.000805 | 0.0022 | 0.00307 |
| 2030 Apr | 0.0000049 | 3.03 | 0.00333 | 3.98 | 0.0812 | 0.00217 | 2.1 | 0.0119 | 0.00714 | 0.0000638 | 0.00045 | 0.000209 | 0.117 | 0.00000773 | 0.000398 | 0.000805 | 0.0022 | 0.00307 |
| 2030 May | 0.0000049 | 3.03 | 0.00333 | 3.98 | 0.0812 | 0.00217 | 2.1 | 0.0119 | 0.00714 | 0.0000638 | 0.00045 | 0.000209 | 0.117 | 0.00000773 | 0.000398 | 0.000806 | 0.00221 | 0.00307 |
| 2030 Jun | 0.00000515 | 3.03 | 0.00329 | 4 | 0.0801 | 0.00222 | 2.07 | 0.0125 | 0.00706 | 0.000063 | 0.000463 | 0.000211 | 0.114 | 0.00000794 | 0.000407 | 0.000803 | 0.00224 | 0.00294 |
| 2030 Jul | 0.00000506 | 2.98 | 0.00324 | 4.01 | 0.0781 | 0.00224 | 2.03 | 0.0129 | 0.007 | 0.0000613 | 0.000452 | 0.000209 | 0.112 | 0.00000785 | 0.000395 | 0.000778 | 0.00221 | 0.00278 |
| 2030 Aug | 0.00000497 | 2.95 | 0.00322 | 3.97 | 0.0768 | 0.00221 | 2.01 | 0.0128 | 0.00696 | 0.0000602 | 0.000441 | 0.000205 | 0.111 | 0.00000775 | 0.000385 | 0.000762 | 0.00218 | 0.0027 |
| 2030 Sep | 0.00000495 | 2.94 | 0.0032 | 3.99 | 0.0764 | 0.00222 | 2 | 0.013 | 0.00693 | 0.0000599 | 0.00044 | 0.000205 | 0.111 | 0.00000773 | 0.000383 | 0.000758 | 0.00217 | 0.00267 |
| 2030 Oct | 0.00000494 | 2.93 | 0.00319 | 3.99 | 0.0762 | 0.00222 | 2 | 0.0131 | 0.00691 | 0.0000607 | 0.000439 | 0.000205 | 0.11 | 0.00000772 | 0.000382 | 0.000756 | 0.00217 | 0.00266 |
| 2030 Nov | 0.00000494 | 2.92 | 0.00319 | 3.99 | 0.0761 | 0.00222 | 1.99 | 0.0131 | 0.0069 | 0.0000614 | 0.000439 | 0.000205 | 0.11 | 0.00000771 | 0.000381 | 0.000755 | 0.00217 | 0.00265 |
| 2030 Dec | 0.00000494 | 2.92 | 0.00319 | 3.99 | 0.0761 | 0.00222 | 1.99 | 0.0131 | 0.0069 | 0.0000614 | 0.000439 | 0.000205 | 0.11 | 0.00000771 | 0.000381 | 0.000755 | 0.00217 | 0.00265 |
| 2031 Jan | 0.00000494 | 2.92 | 0.00319 | 3.99 | 0.0761 | 0.00222 | 1.99 | 0.0131 | 0.0069 | 0.0000614 | 0.000439 | 0.000205 | 0.11 | 0.00000771 | 0.000381 | 0.000755 | 0.00217 | 0.00265 |
| 2031 Feb | 0.00000494 | 2.92 | 0.00319 | 3.99 | 0.0761 | 0.00222 | 1.99 | 0.0131 | 0.0069 | 0.0000614 | 0.000439 | 0.000205 | 0.11 | 0.00000771 | 0.000381 | 0.000755 | 0.00217 | 0.00265 |
| 2031 Mar | 0.00000494 | 2.92 | 0.00319 | 3.99 | 0.0761 | 0.00222 | 1.99 | 0.0131 | 0.0069 | 0.0000614 | 0.000439 | 0.000205 | 0.11 | 0.00000771 | 0.000381 | 0.000755 | 0.00217 | 0.00265 |
| 2031 Apr | 0.00000494 | 2.92 | 0.00319 | 3.99 | 0.0761 | 0.00222 | 2 | 0.0131 | 0.0069 | 0.0000614 | 0.000439 | 0.000205 | 0.11 | 0.00000771 | 0.000382 | 0.000755 | 0.00217 | 0.00265 |
| 2031 May | 0.00000495 | 2.93 | 0.00319 | 3.99 | 0.076 | 0.00222 | 1.99 | 0.0131 | 0.0069 | 0.0000614 | 0.000439 | 0.000205 | 0.11 | 0.00000772 | 0.000382 | 0.000755 | 0.00217 | 0.00265 |
| 2031 Jun | 0.00000512 | 2.94 | 0.00316 | 4.11 | 0.0756 | 0.00235 | 1.98 | 0.0143 | 0.00685 | 0.0000611 | 0.000455 | 0.000213 | 0.109 | 0.0000079 | 0.000388 | 0.000756 | 0.0022 | 0.00257 |
| 2031 Jul | 0.00000514 | 2.94 | 0.00316 | 4.14 | 0.0755 | 0.00237 | 1.98 | 0.0145 | 0.00684 | 0.000061 | 0.000457 | 0.000214 | 0.108 | 0.00000792 | 0.000388 | 0.000755 | 0.0022 | 0.00255 |
| 2031 Aug | 0.00000516 | 2.94 | 0.00316 | 4.19 | 0.0756 | 0.00242 | 1.98 | 0.0149 | 0.00684 | 0.000061 | 0.00046 | 0.000217 | 0.108 | 0.00000793 | 0.00039 | 0.000757 | 0.0022 | 0.00255 |
| 2031 Sep | 0.00000518 | 2.94 | 0.00315 | 4.29 | 0.0755 | 0.00251 | 1.98 | 0.0157 | 0.0068 | 0.0000608 | 0.000466 | 0.000222 | 0.108 | 0.00000794 | 0.000391 | 0.000758 | 0.00221 | 0.00253 |
| 2031 Oct | 0.00000518 | 2.94 | 0.00314 | 4.3 | 0.0754 | 0.00252 | 1.98 | 0.0158 | 0.00679 | 0.0000618 | 0.000466 | 0.000223 | 0.107 | 0.00000794 | 0.000391 | 0.000758 | 0.00221 | 0.00253 |
| 2031 Nov | 0.00000518 | 2.94 | 0.00314 | 4.3 | 0.0754 | 0.00252 | 1.98 | 0.0158 | 0.00679 | 0.000062 | 0.000466 | 0.000223 | 0.107 | 0.00000794 | 0.000391 | 0.000757 | 0.00221 | 0.00252 |
| 2031 Dec | 0.00000518 | 2.94 | 0.00314 | 4.3 | 0.0754 | 0.00252 | 1.98 | 0.0158 | 0.00679 | 0.000062 | 0.000466 | 0.000223 | 0.107 | 0.00000794 | 0.000391 | 0.000757 | 0.00221 | 0.00252 |
| 2032 Jan | 0.00000518 | 2.94 | 0.00314 | 4.3 | 0.0754 | 0.00252 | 1.98 | 0.0158 | 0.00679 | 0.000062 | 0.000466 | 0.000223 | 0.107 | 0.00000794 | 0.000391 | 0.000757 | 0.00221 | 0.00252 |
| 2032 Feb | 0.00000518 | 2.94 | 0.00314 | 4.3 | 0.0754 | 0.00252 | 1.98 | 0.0158 | 0.00679 | 0.000062 | 0.000466 | 0.000223 | 0.107 | 0.00000794 | 0.000391 | 0.000757 | 0.00221 | 0.00252 |
| 2032 Mar | 0.00000518 | 2.94 | 0.00314 | 4.3 | 0.0754 | 0.00252 | 1.98 | 0.0158 | 0.00679 | 0.000062 | 0.000466 | 0.000223 | 0.107 | 0.00000794 | 0.000391 | 0.000757 | 0.00221 | 0.00252 |
| 2032 Apr | 0.00000518 | 2.94 | 0.00314 | 4.3 | 0.0754 | 0.00252 | 1.98 | 0.0158 | 0.00679 | 0.000062 | 0.000466 | 0.000223 | 0.107 | 0.00000794 | 0.000391 | 0.000757 | 0.00221 | 0.00252 |
| 2032 May | 0.00000518 | 2.94 | 0.00314 | 4.3 | 0.0754 | 0.00252 | 1.98 | 0.0158 | 0.00679 | 0.000062 | 0.000466 | 0.000223 | 0.107 | 0.00000794 | 0.000391 | 0.000758 | 0.00221 | 0.00253 |
| 2032 Jun | 0.00000532 | 2.93 | 0.0031 | 4.36 | 0.0747 | 0.00259 | 1.96 | 0.0164 | 0.0067 | 0.0000618 | 0.000474 | 0.000227 | 0.106 | 0.00000798 | 0.000399 | 0.000761 | 0.00222 | 0.00248 |
| 2032 Jul | 0.00000538 | 2.94 | 0.00308 | 4.51 | 0.0745 | 0.00272 | 1.96 | 0.0176 | 0.00664 | 0.0000615 | 0.000483 | 0.000236 | 0.105 | 0.000008 | 0.000403 | 0.000763 | 0.00223 | 0.00245 |
| 2032 Aug | 0.0000054 | 2.94 | 0.00307 | 4.55 | 0.0746 | 0.00276 | 1.96 | 0.018 | 0.00663 | 0.0000615 | 0.000486 | 0.000239 | 0.105 | 0.00000801 | 0.000404 | 0.000764 | 0.00223 | 0.00244 |
| 2032 Sep | 0.00000541 | 2.94 | 0.00307 | 4.58 | 0.0746 | 0.00279 | 1.96 | 0.0182 | 0.00662 | 0.0000615 | 0.000488 | 0.000241 | 0.105 | 0.00000802 | 0.000405 | 0.000765 | 0.00223 | 0.00243 |
| 2032 Oct | 0.00000541 | 2.94 | 0.00307 | 4.59 | 0.0746 | 0.00279 | 1.96 | 0.0182 | 0.00662 | 0.0000617 | 0.000488 | 0.000241 | 0.104 | 0.00000802 | 0.000405 | 0.000765 | 0.00223 | 0.00243 |
| 2032 Nov | 0.00000541 | 2.94 | 0.00307 | 4.59 | 0.0746 | 0.00279 | 1.96 | 0.0182 | 0.00662 | 0.0000618 | 0.000488 | 0.000241 | 0.104 | 0.00000802 | 0.000405 | 0.000765 | 0.00223 | 0.00243 |
| 2032 Dec | 0.00000541 | 2.94 | 0.00307 | 4.59 | 0.0746 | 0.00279 | 1.96 | 0.0182 | 0.00662 | 0.0000618 | 0.000488 | 0.000241 | 0.104 | 0.00000802 | 0.000405 | 0.000765 | 0.00223 | 0.00243 |
| 2033 Jan | 0.00000541 | 2.94 | 0.00307 | 4.59 | 0.0746 | 0.00279 | 1.96 | 0.0182 | 0.00662 | 0.0000618 | 0.000488 | 0.000241 | 0.104 | 0.00000802 | 0.000405 | 0.000765 | 0.00223 | 0.00243 |
| 2033 Feb | 0.00000541 | 2.94 | 0.00307 | 4.59 | 0.0746 | 0.00279 | 1.96 | 0.0182 | 0.00662 | 0.0000618 | 0.000488 | 0.000241 | 0.104 | 0.00000802 | 0.000405 | 0.000765 | 0.00223 | 0.00243 |
| 2033 Mar | 0.00000541 | 2.94 | 0.00307 | 4.59 | 0.0746 | 0.00279 | 1.96 | 0.0182 | 0.00662 | 0.0000618 | 0.000488 | 0.000241 | 0.104 | 0.00000802 | 0.000405 | 0.000765 | 0.00223 | 0.00243 |
| 2033 Apr | 0.00000541 | 2.94 | 0.00307 | 4.59 | 0.0746 | 0.00279 | 1.96 | 0.0182 | 0.00662 | 0.0000618 | 0.000489 | 0.000241 | 0.104 | 0.00000802 | 0.000405 | 0.000765 | 0.00223 | 0.00243 |
| 2033 May | 0.0000054 | 2.93 | 0.00306 | 4.58 | 0.0744 | 0.00278 | 1.95 | 0.0182 | 0.0066 | 0.0000617 | 0.000487 | 0.00024 | 0.104 | 0.00000801 | 0.000404 | 0.000764 | 0.00223 | 0.00243 |
| 2033 Jun | 0.0000056 | 2.93 | 0.00302 | 4.66 | 0.074 | 0.00288 | 1.93 | 0.019 | 0.00649 | 0.0000614 | 0.000499 | 0.000247 | 0.102 | 0.00000809 | 0.000417 | 0.00077 | 0.00226 | 0.00237 |
| 2033 Jul | 0.00000567 | 2.94 | 0.00301 | 4.74 | 0.0742 | 0.00296 | 1.93 | 0.0197 | 0.00647 | 0.0000614 | 0.000506 | 0.000252 | 0.102 | 0.00000812 | 0.000422 | 0.000774 | 0.00227 | 0.00236 |
| 2033 Aug | 0.0000057 | 2.95 | 0.00301 | 4.78 | 0.0743 | 0.00299 | 1.94 | 0.0199 | 0.00647 | 0.0000614 | 0.000509 | 0.000254 | 0.102 | 0.00000814 | 0.000423 | 0.000776 | 0.00227 | 0.00235 |
| 2033 Sep | 0.00000572 | 2.95 | 0.003 | 4.83 | 0.0742 | 0.00303 | 1.93 | 0.0203 | 0.00644 | 0.0000613 | 0.000512 | 0.000257 | 0.102 | 0.00000815 | 0.000425 | 0.000777 | 0.00227 | 0.00234 |
| 2033 Oct | 0.00000572 | 2.94 | 0.00299 | 4.83 | 0.0741 | 0.00304 | 1.93 | 0.0204 | 0.00642 | 0.0000627 | 0.000513 | 0.000258 | 0.101 | 0.00000814 | 0.000425 | 0.000776 | 0.00227 | 0.00233 |
| 2033 Nov | 0.00000572 | 2.94 | 0.00299 | 4.83 | 0.074 | 0.00303 | 1.93 | 0.0204 | 0.00642 | 0.0000633 | 0.000512 | 0.000258 | 0.101 | 0.00000814 | 0.000425 | 0.000776 | 0.00227 | 0.00233 |
| 2033 Dec | 0.00000572 | 2.94 | 0.00299 | 4.83 | 0.074 | 0.00303 | 1.93 | 0.0204 | 0.00642 | 0.0000633 | 0.000512 | 0.000258 | 0.101 | 0.00000814 | 0.000425 | 0.000776 | 0.00227 | 0.00233 |

**Appendix D9. IVR Pit**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2034 Jan | 0.00000572 | 2.94 | 0.00299 | 4.83 | 0.074 | 0.00303 | 1.93 | 0.0204 | 0.00642 | 0.0000633 | 0.000512 | 0.000258 | 0.101 | 0.00000814 | 0.000425 | 0.000776 | 0.00227 | 0.00233 |
| 2034 Feb | 0.00000572 | 2.94 | 0.00299 | 4.83 | 0.074 | 0.00303 | 1.93 | 0.0204 | 0.00642 | 0.0000633 | 0.000512 | 0.000258 | 0.101 | 0.00000814 | 0.000424 | 0.000776 | 0.00227 | 0.00233 |
| 2034 Mar | 0.00000572 | 2.94 | 0.00299 | 4.83 | 0.074 | 0.00303 | 1.93 | 0.0204 | 0.00642 | 0.0000633 | 0.000512 | 0.000258 | 0.101 | 0.00000814 | 0.000424 | 0.000776 | 0.00227 | 0.00233 |
| 2034 Apr | 0.00000572 | 2.94 | 0.00299 | 4.83 | 0.074 | 0.00303 | 1.93 | 0.0204 | 0.00642 | 0.0000633 | 0.000512 | 0.000258 | 0.101 | 0.00000814 | 0.000425 | 0.000776 | 0.00227 | 0.00233 |
| 2034 May | 0.00000572 | 2.94 | 0.00299 | 4.83 | 0.074 | 0.00303 | 1.93 | 0.0204 | 0.00642 | 0.0000633 | 0.000512 | 0.000258 | 0.101 | 0.00000814 | 0.000424 | 0.000776 | 0.00227 | 0.00233 |
| 2034 Jun | 0.00000569 | 2.92 | 0.00297 | 4.81 | 0.0736 | 0.00301 | 1.91 | 0.0203 | 0.00636 | 0.0000629 | 0.000509 | 0.000258 | 0.1 | 0.00000811 | 0.000421 | 0.000771 | 0.00226 | 0.00231 |
| 2034 Jul | 0.00000569 | 2.92 | 0.00297 | 4.83 | 0.0739 | 0.00302 | 1.91 | 0.0204 | 0.00636 | 0.0000629 | 0.000511 | 0.000259 | 0.1 | 0.00000812 | 0.000421 | 0.000772 | 0.00227 | 0.0023 |
| 2034 Aug | 0.00000569 | 2.92 | 0.00297 | 4.84 | 0.074 | 0.00302 | 1.92 | 0.0205 | 0.00637 | 0.000063 | 0.000512 | 0.00026 | 0.1 | 0.00000813 | 0.000421 | 0.000773 | 0.00227 | 0.00231 |
| 2034 Sep | 0.00000569 | 2.92 | 0.00297 | 4.85 | 0.0741 | 0.00302 | 1.91 | 0.0205 | 0.00636 | 0.0000629 | 0.000512 | 0.000261 | 0.1 | 0.00000812 | 0.000421 | 0.000773 | 0.00227 | 0.0023 |
| 2034 Oct | 0.00000568 | 2.92 | 0.00296 | 4.84 | 0.074 | 0.00302 | 1.91 | 0.0205 | 0.00635 | 0.0000633 | 0.000512 | 0.000261 | 0.1 | 0.00000811 | 0.00042 | 0.000772 | 0.00226 | 0.0023 |
| 2034 Nov | 0.00000568 | 2.92 | 0.00296 | 4.84 | 0.074 | 0.00302 | 1.91 | 0.0205 | 0.00635 | 0.0000635 | 0.000512 | 0.000261 | 0.1 | 0.00000811 | 0.00042 | 0.000772 | 0.00227 | 0.0023 |
| 2034 Dec | 0.00000568 | 2.92 | 0.00296 | 4.84 | 0.074 | 0.00302 | 1.91 | 0.0205 | 0.00635 | 0.0000635 | 0.000512 | 0.000261 | 0.1 | 0.00000811 | 0.00042 | 0.000772 | 0.00227 | 0.0023 |
| 2035 Jan | 0.00000568 | 2.92 | 0.00296 | 4.84 | 0.074 | 0.00302 | 1.91 | 0.0205 | 0.00635 | 0.0000635 | 0.000512 | 0.000261 | 0.1 | 0.00000811 | 0.00042 | 0.000772 | 0.00227 | 0.0023 |
| 2035 Feb | 0.00000568 | 2.92 | 0.00296 | 4.84 | 0.074 | 0.00302 | 1.91 | 0.0205 | 0.00635 | 0.0000635 | 0.000512 | 0.000261 | 0.1 | 0.00000811 | 0.00042 | 0.000772 | 0.00227 | 0.0023 |
| 2035 Mar | 0.00000568 | 2.92 | 0.00296 | 4.84 | 0.074 | 0.00302 | 1.91 | 0.0205 | 0.00635 | 0.0000635 | 0.000512 | 0.000261 | 0.1 | 0.00000811 | 0.00042 | 0.000772 | 0.00227 | 0.0023 |
| 2035 Apr | 0.00000568 | 2.92 | 0.00296 | 4.84 | 0.074 | 0.00302 | 1.91 | 0.0205 | 0.00635 | 0.0000635 | 0.000512 | 0.000261 | 0.1 | 0.00000812 | 0.00042 | 0.000772 | 0.00227 | 0.0023 |
| 2035 May | 0.00000568 | 2.92 | 0.00296 | 4.85 | 0.074 | 0.00302 | 1.91 | 0.0205 | 0.00635 | 0.0000635 | 0.000512 | 0.000261 | 0.1 | 0.00000812 | 0.00042 | 0.000773 | 0.00227 | 0.0023 |
| 2035 Jun | 0.00000565 | 2.9 | 0.00293 | 4.83 | 0.0737 | 0.003 | 1.9 | 0.0205 | 0.0063 | 0.0000631 | 0.000509 | 0.000261 | 0.0992 | 0.00000808 | 0.000416 | 0.000768 | 0.00226 | 0.00227 |
| 2035 Jul | 0.00000564 | 2.9 | 0.00293 | 4.84 | 0.0738 | 0.003 | 1.9 | 0.0206 | 0.0063 | 0.000063 | 0.00051 | 0.000262 | 0.0992 | 0.00000809 | 0.000416 | 0.000768 | 0.00226 | 0.00227 |
| 2035 Aug | 0.00000565 | 2.9 | 0.00293 | 4.85 | 0.0739 | 0.003 | 1.9 | 0.0206 | 0.0063 | 0.0000631 | 0.000511 | 0.000263 | 0.0992 | 0.00000809 | 0.000416 | 0.000769 | 0.00226 | 0.00227 |
| 2035 Sep | 0.00000564 | 2.9 | 0.00292 | 4.85 | 0.0739 | 0.003 | 1.89 | 0.0206 | 0.00628 | 0.0000629 | 0.000511 | 0.000264 | 0.0989 | 0.00000808 | 0.000415 | 0.000768 | 0.00225 | 0.00226 |
| 2035 Oct | 0.00000563 | 2.89 | 0.00292 | 4.85 | 0.0738 | 0.003 | 1.89 | 0.0206 | 0.00627 | 0.0000635 | 0.00051 | 0.000264 | 0.0987 | 0.00000807 | 0.000414 | 0.000767 | 0.00225 | 0.00226 |
| 2035 Nov | 0.00000562 | 2.89 | 0.00292 | 4.85 | 0.0738 | 0.003 | 1.89 | 0.0206 | 0.00626 | 0.0000639 | 0.00051 | 0.000264 | 0.0986 | 0.00000807 | 0.000414 | 0.000766 | 0.00225 | 0.00225 |
| 2035 Dec | 0.00000562 | 2.89 | 0.00292 | 4.85 | 0.0738 | 0.003 | 1.89 | 0.0206 | 0.00626 | 0.0000639 | 0.00051 | 0.000264 | 0.0986 | 0.00000807 | 0.000414 | 0.000766 | 0.00225 | 0.00225 |
| 2036 Jan | 0.00000562 | 2.89 | 0.00292 | 4.85 | 0.0738 | 0.003 | 1.89 | 0.0206 | 0.00626 | 0.0000639 | 0.00051 | 0.000264 | 0.0986 | 0.00000807 | 0.000414 | 0.000766 | 0.00225 | 0.00225 |
| 2036 Feb | 0.00000562 | 2.89 | 0.00292 | 4.85 | 0.0738 | 0.003 | 1.89 | 0.0206 | 0.00626 | 0.0000639 | 0.00051 | 0.000264 | 0.0986 | 0.00000807 | 0.000414 | 0.000766 | 0.00225 | 0.00225 |
| 2036 Mar | 0.00000562 | 2.89 | 0.00292 | 4.85 | 0.0738 | 0.003 | 1.89 | 0.0206 | 0.00626 | 0.0000639 | 0.00051 | 0.000264 | 0.0986 | 0.00000807 | 0.000414 | 0.000766 | 0.00225 | 0.00225 |
| 2036 Apr | 0.00000562 | 2.89 | 0.00292 | 4.85 | 0.0738 | 0.003 | 1.89 | 0.0206 | 0.00626 | 0.0000639 | 0.00051 | 0.000264 | 0.0986 | 0.00000807 | 0.000414 | 0.000767 | 0.00225 | 0.00225 |
| 2036 May | 0.00000563 | 2.89 | 0.00292 | 4.85 | 0.0738 | 0.003 | 1.89 | 0.0207 | 0.00626 | 0.000064 | 0.00051 | 0.000264 | 0.0987 | 0.00000807 | 0.000414 | 0.000767 | 0.00225 | 0.00226 |
| 2036 Jun | 0.0000056 | 2.88 | 0.0029 | 4.84 | 0.0735 | 0.00298 | 1.88 | 0.0206 | 0.00623 | 0.0000636 | 0.000508 | 0.000264 | 0.0981 | 0.00000805 | 0.000411 | 0.000763 | 0.00225 | 0.00224 |
| 2036 Jul | 0.00000559 | 2.87 | 0.00289 | 4.85 | 0.0736 | 0.00298 | 1.88 | 0.0207 | 0.00621 | 0.0000635 | 0.000508 | 0.000265 | 0.0978 | 0.00000804 | 0.000409 | 0.000763 | 0.00224 | 0.00223 |
| 2036 Aug | 0.00000559 | 2.87 | 0.00289 | 4.86 | 0.0737 | 0.00298 | 1.88 | 0.0207 | 0.00621 | 0.0000635 | 0.000509 | 0.000266 | 0.0978 | 0.00000805 | 0.00041 | 0.000763 | 0.00225 | 0.00223 |
| 2036 Sep | 0.00000559 | 2.87 | 0.00289 | 4.87 | 0.0737 | 0.00298 | 1.88 | 0.0208 | 0.00621 | 0.0000635 | 0.00051 | 0.000267 | 0.0977 | 0.00000805 | 0.000409 | 0.000763 | 0.00224 | 0.00223 |
| 2036 Oct | 0.00000558 | 2.87 | 0.00288 | 4.86 | 0.0737 | 0.00298 | 1.87 | 0.0208 | 0.00619 | 0.0000639 | 0.000509 | 0.000267 | 0.0975 | 0.00000804 | 0.000409 | 0.000762 | 0.00224 | 0.00222 |
| 2036 Nov | 0.00000558 | 2.87 | 0.00288 | 4.86 | 0.0737 | 0.00298 | 1.87 | 0.0208 | 0.00619 | 0.000064 | 0.000509 | 0.000267 | 0.0975 | 0.00000804 | 0.000408 | 0.000762 | 0.00224 | 0.00222 |
| 2036 Dec | 0.00000558 | 2.87 | 0.00288 | 4.86 | 0.0737 | 0.00298 | 1.87 | 0.0208 | 0.00619 | 0.000064 | 0.000509 | 0.000267 | 0.0975 | 0.00000804 | 0.000408 | 0.000762 | 0.00224 | 0.00222 |
| 2037 Jan | 0.00000558 | 2.87 | 0.00288 | 4.86 | 0.0737 | 0.00298 | 1.87 | 0.0208 | 0.00619 | 0.000064 | 0.000509 | 0.000267 | 0.0975 | 0.00000804 | 0.000408 | 0.000762 | 0.00224 | 0.00222 |
| 2037 Feb | 0.00000558 | 2.87 | 0.00288 | 4.86 | 0.0737 | 0.00298 | 1.87 | 0.0208 | 0.00619 | 0.000064 | 0.000509 | 0.000267 | 0.0975 | 0.00000804 | 0.000408 | 0.000762 | 0.00224 | 0.00222 |
| 2037 Mar | 0.00000558 | 2.87 | 0.00288 | 4.86 | 0.0737 | 0.00298 | 1.87 | 0.0208 | 0.00619 | 0.000064 | 0.000509 | 0.000267 | 0.0975 | 0.00000804 | 0.000408 | 0.000762 | 0.00224 | 0.00222 |
| 2037 Apr | 0.00000558 | 2.87 | 0.00288 | 4.86 | 0.0737 | 0.00298 | 1.87 | 0.0208 | 0.00619 | 0.000064 | 0.000509 | 0.000267 | 0.0975 | 0.00000804 | 0.000409 | 0.000762 | 0.00224 | 0.00222 |
| 2037 May | 0.00000557 | 2.86 | 0.00287 | 4.86 | 0.0735 | 0.00297 | 1.87 | 0.0207 | 0.00618 | 0.0000639 | 0.000508 | 0.000267 | 0.0973 | 0.00000803 | 0.000408 | 0.000761 | 0.00224 | 0.00221 |
| 2037 Jun | 0.00000552 | 2.84 | 0.00284 | 4.84 | 0.073 | 0.00294 | 1.85 | 0.0207 | 0.00611 | 0.0000633 | 0.000505 | 0.000267 | 0.0961 | 0.00000798 | 0.000402 | 0.000755 | 0.00223 | 0.00218 |
| 2037 Jul | 0.00000552 | 2.84 | 0.00284 | 4.85 | 0.0732 | 0.00295 | 1.85 | 0.0208 | 0.0061 | 0.0000632 | 0.000506 | 0.000268 | 0.096 | 0.00000798 | 0.000402 | 0.000755 | 0.00223 | 0.00218 |
| 2037 Aug | 0.00000552 | 2.84 | 0.00284 | 4.86 | 0.0733 | 0.00295 | 1.85 | 0.0208 | 0.0061 | 0.0000633 | 0.000506 | 0.000269 | 0.0961 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2037 Sep | 0.00000552 | 2.84 | 0.00284 | 4.87 | 0.0734 | 0.00295 | 1.85 | 0.0208 | 0.0061 | 0.0000633 | 0.000507 | 0.000269 | 0.0961 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2037 Oct | 0.00000552 | 2.84 | 0.00284 | 4.86 | 0.0734 | 0.00295 | 1.85 | 0.0209 | 0.0061 | 0.0000636 | 0.000507 | 0.00027 | 0.096 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2037 Nov | 0.00000552 | 2.84 | 0.00283 | 4.86 | 0.0734 | 0.00295 | 1.85 | 0.0209 | 0.0061 | 0.0000638 | 0.000507 | 0.00027 | 0.096 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2037 Dec | 0.00000552 | 2.84 | 0.00283 | 4.86 | 0.0734 | 0.00295 | 1.85 | 0.0209 | 0.0061 | 0.0000638 | 0.000507 | 0.00027 | 0.096 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2038 Jan | 0.00000552 | 2.84 | 0.00283 | 4.86 | 0.0734 | 0.00295 | 1.85 | 0.0209 | 0.0061 | 0.0000638 | 0.000507 | 0.00027 | 0.096 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2038 Feb | 0.00000552 | 2.84 | 0.00283 | 4.86 | 0.0734 | 0.00295 | 1.85 | 0.0208 | 0.0061 | 0.0000638 | 0.000507 | 0.00027 | 0.096 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2038 Mar | 0.00000552 | 2.84 | 0.00283 | 4.86 | 0.0734 | 0.00295 | 1.85 | 0.0208 | 0.0061 | 0.0000638 | 0.000507 | 0.00027 | 0.096 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2038 Apr | 0.00000552 | 2.84 | 0.00284 | 4.86 | 0.0734 | 0.00295 | 1.85 | 0.0209 | 0.0061 | 0.0000638 | 0.000507 | 0.00027 | 0.096 | 0.00000799 | 0.000402 | 0.000756 | 0.00223 | 0.00218 |
| 2038 May | 0.00000552 | 2.84 | 0.00283 | 4.86 | 0.0733 | 0.00295 | 1.85 | 0.0208 | 0.00609 | 0.0000637 | 0.000506 | 0.00027 | 0.0959 | 0.00000799 | 0.000401 | 0.000756 | 0.00223 | 0.00217 |
| 2038 Jun | 0.00000548 | 2.82 | 0.00281 | 4.86 | 0.0731 | 0.00293 | 1.84 | 0.0208 | 0.00604 | 0.0000633 | 0.000504 | 0.00027 | 0.0951 | 0.00000795 | 0.000398 | 0.000752 | 0.00222 | 0.00215 |
| 2038 Jul | 0.00000549 | 2.82 | 0.00281 | 4.87 | 0.0732 | 0.00294 | 1.84 | 0.0209 | 0.00605 | 0.0000634 | 0.000505 | 0.000271 | 0.0952 | 0.00000797 | 0.000398 | 0.000753 | 0.00222 | 0.00215 |
| 2038 Aug | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00605 | 0.0000634 | 0.000506 | 0.000272 | 0.0953 | 0.00000798 | 0.000399 | 0.000754 | 0.00222 | 0.00215 |
| 2038 Sep | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00605 | 0.0000634 | 0.000507 | 0.000272 | 0.0952 | 0.00000798 | 0.000399 | 0.000754 | 0.00222 | 0.00215 |
| 2038 Oct | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00604 | 0.0000636 | 0.000507 | 0.000273 | 0.0951 | 0.00000797 | 0.000398 | 0.000753 | 0.00222 | 0.00215 |
| 2038 Nov | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00604 | 0.0000636 | 0.000507 | 0.000273 | 0.0951 | 0.00000797 | 0.000398 | 0.000753 | 0.00222 | 0.00215 |
| 2038 Dec | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00604 | 0.0000636 | 0.000507 | 0.000273 | 0.0951 | 0.00000797 | 0.000398 | 0.000753 | 0.00222 | 0.00215 |
| 2039 Jan | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00604 | 0.0000636 | 0.000507 | 0.000273 | 0.0951 | 0.00000797 | 0.000398 | 0.000753 | 0.00222 | 0.00215 |
| 2039 Feb | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00604 | 0.0000636 | 0.000507 | 0.000273 | 0.0951 | 0.00000797 | 0.000398 | 0.000753 | 0.00222 | 0.00215 |
| 2039 Mar | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00604 | 0.0000636 | 0.000507 | 0.000273 | 0.0951 | 0.00000797 | 0.000398 | 0.000753 | 0.00222 | 0.00215 |
| 2039 Apr | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00604 | 0.0000636 | 0.000507 | 0.000273 | 0.0951 | 0.00000797 | 0.000398 | 0.000753 | 0.00222 | 0.00215 |
| 2039 May | 0.00000549 | 2.82 | 0.00281 | 4.88 | 0.0734 | 0.00294 | 1.84 | 0.021 | 0.00604 | 0.0000637 | 0.000507 | 0.000273 | 0.0951 | 0.00000797 | 0.000398 | 0.000754 | 0.00222 | 0.00215 |
| 2039 Jun | 0.00000546 | 2.81 | 0.00279 | 4.87 | 0.0731 | 0.00292 | 1.83 | 0.021 | 0.006 | 0.0000633 | 0.000504 | 0.000273 | 0.0945 | 0.00000795 | 0.000395 | 0.00075 | 0.00222 | 0.00213 |
| 2039 Jul | 0.00000545 | 2.8 | 0.00278 | 4.88 | 0.0731 | 0.00292 | 1.83 | 0.021 | 0.00598 | 0.0000631 | 0.000505 | 0.000274 | 0.0941 | 0.00000793 | 0.000393 | 0.000749 | 0.00221 | 0.00212 |
| 2039 Aug | 0.00000545 | 2.8 | 0.00278 | 4.89 | 0.0732 | 0.00292 | 1.83 | 0.0211 | 0.00598 | 0.0000631 | 0.000505 | 0.000275 | 0.0941 | 0.00000794 | 0.000393 | 0.000749 | 0.00221 | 0.00212 |

**Appendix D10. IVR Pit East Lobe**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.0096 | 0.00000499 | 0.00000196 | 0.000000232 | 0.00147 | 0.0000124 | 0.00145 | 2.32E-09 | 0.00000111 | 9.99E-08 | 0.00000232 | 0.0000032 | 4.65E-09 | 0.00151 | 1.16E-09 | 2.32E-08 | 2.32E-08 | 0.000000116 | 0.00000232 |
| Operation (Jan., 2024 to Jun., 2028): Average | 1820 | 156 | 176 | 7.88 | 998 | 0.698 | 446 | 0.000102 | 0.108 | 9.77 | 0.395 | 0.302 | 0.0000574 | 561 | 0.000155 | 0.00324 | 0.00147 | 0.00683 | 0.0266 |
| Operation (Jan., 2024 to Jun., 2028): Max | 3650 | 395 | 432 | 18.5 | 2330 | 1.75 | 882 | 0.000298 | 0.31 | 23.5 | 1.1 | 0.628 | 0.00016 | 1230 | 0.000339 | 0.00966 | 0.00402 | 0.00951 | 0.0659 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.0096 | 0.00000499 | 0.00000196 | 0.000000232 | 0.00147 | 0.0000124 | 0.00145 | 2.32E-09 | 0.00000111 | 9.99E-08 | 0.00000232 | 0.0000032 | 4.65E-09 | 0.00151 | 1.16E-09 | 2.32E-08 | 2.32E-08 | 0.000000116 | 0.00000232 |
| 2024 Feb | 0.022 | 0.0000115 | 0.0000045 | 0.000000533 | 0.00336 | 0.0000285 | 0.00333 | 5.33E-09 | 0.00000256 | 0.000000229 | 0.00000533 | 0.00000735 | 1.07E-08 | 0.00347 | 2.66E-09 | 5.33E-08 | 5.33E-08 | 0.000000266 | 0.00000533 |
| 2024 Mar | 0.0293 | 0.0000154 | 0.00000615 | 0.0000007 | 0.00448 | 0.0000378 | 0.00442 | 0.000000007 | 0.00000324 | 0.000000303 | 0.000007 | 0.00000984 | 0.000000014 | 0.00461 | 3.5E-09 | 0.00000007 | 0.00000007 | 0.00000035 | 0.000007 |
| 2024 Apr | 0.0334 | 0.0000174 | 0.00000701 | 0.000000793 | 0.005 | 0.0000436 | 0.00509 | 7.93E-09 | 0.00000352 | 0.000000346 | 0.00000793 | 0.0000113 | 1.59E-08 | 0.00525 | 3.97E-09 | 7.93E-08 | 7.93E-08 | 0.000000397 | 0.00000793 |
| 2024 May | 184 | 2.39 | 4.27 | 0.364 | 51.6 | 0.0562 | 63.1 | 0.00000153 | 0.00134 | 1.01 | 0.00149 | 0.0396 | 0.00000102 | 48.2 | 0.0000109 | 0.0000562 | 0.0000154 | 0.00159 | 0.000912 |
| 2024 Jun | 728 | 9.49 | 17 | 1.44 | 204 | 0.22 | 250 | 0.00000544 | 0.005 | 4 | 0.00531 | 0.156 | 0.00000282 | 191 | 0.000043 | 0.000217 | 0.0000557 | 0.00628 | 0.003 |
| 2024 Jul | 769 | 10 | 17.9 | 1.53 | 216 | 0.232 | 264 | 0.00000565 | 0.00526 | 4.22 | 0.00551 | 0.165 | 0.00000279 | 202 | 0.0000455 | 0.000228 | 0.0000585 | 0.00663 | 0.00316 |
| 2024 Aug | 795 | 10.4 | 18.5 | 1.58 | 223 | 0.239 | 273 | 0.00000578 | 0.00544 | 4.37 | 0.00564 | 0.17 | 0.00000276 | 208 | 0.0000469 | 0.000235 | 0.0000598 | 0.00685 | 0.0033 |
| 2024 Sep | 802 | 10.5 | 18.7 | 1.59 | 225 | 0.241 | 275 | 0.0000058 | 0.00551 | 4.4 | 0.00566 | 0.172 | 0.00000273 | 210 | 0.0000473 | 0.000237 | 0.0000598 | 0.00691 | 0.00343 |
| 2024 Oct | 802 | 10.5 | 18.7 | 1.59 | 225 | 0.241 | 275 | 0.00000581 | 0.00552 | 4.4 | 0.00567 | 0.172 | 0.00000275 | 210 | 0.0000473 | 0.000237 | 0.0000599 | 0.00691 | 0.00348 |
| 2024 Nov | 801 | 10.5 | 18.7 | 1.59 | 225 | 0.241 | 275 | 0.00000581 | 0.00553 | 4.4 | 0.00567 | 0.172 | 0.00000276 | 210 | 0.0000473 | 0.000237 | 0.00006 | 0.00691 | 0.00349 |
| 2024 Dec | 801 | 10.5 | 18.7 | 1.59 | 225 | 0.241 | 275 | 0.00000582 | 0.00553 | 4.4 | 0.00567 | 0.172 | 0.00000276 | 210 | 0.0000473 | 0.000237 | 0.00006 | 0.00691 | 0.00349 |
| 2025 Jan | 801 | 10.5 | 18.7 | 1.59 | 225 | 0.241 | 275 | 0.00000582 | 0.00553 | 4.4 | 0.00567 | 0.172 | 0.00000276 | 210 | 0.0000473 | 0.000237 | 0.00006 | 0.00691 | 0.00349 |
| 2025 Feb | 801 | 10.5 | 18.7 | 1.59 | 225 | 0.241 | 275 | 0.00000582 | 0.00553 | 4.4 | 0.00567 | 0.172 | 0.00000276 | 210 | 0.0000473 | 0.000237 | 0.00006 | 0.00691 | 0.00349 |
| 2025 Mar | 801 | 10.5 | 18.7 | 1.59 | 225 | 0.241 | 275 | 0.00000582 | 0.00553 | 4.4 | 0.00567 | 0.172 | 0.00000276 | 210 | 0.0000473 | 0.000237 | 0.00006 | 0.00691 | 0.00349 |
| 2025 Apr | 801 | 10.5 | 18.7 | 1.59 | 225 | 0.241 | 275 | 0.00000582 | 0.00553 | 4.4 | 0.00567 | 0.172 | 0.00000276 | 210 | 0.0000473 | 0.000237 | 0.0000601 | 0.00691 | 0.00349 |
| 2025 May | 804 | 10.5 | 18.8 | 1.6 | 226 | 0.242 | 276 | 0.00000584 | 0.00555 | 4.42 | 0.0057 | 0.172 | 0.00000278 | 211 | 0.0000475 | 0.000238 | 0.0000603 | 0.00693 | 0.0035 |
| 2025 Jun | 813 | 10.3 | 18.4 | 1.57 | 223 | 0.241 | 287 | 0.00000592 | 0.00542 | 4.26 | 0.00575 | 0.168 | 0.00000295 | 212 | 0.0000505 | 0.000242 | 0.000061 | 0.00682 | 0.00348 |
| 2025 Jul | 851 | 10.5 | 18.7 | 1.59 | 227 | 0.249 | 309 | 0.00000609 | 0.00544 | 4.24 | 0.0059 | 0.168 | 0.00000298 | 221 | 0.0000556 | 0.000254 | 0.0000619 | 0.00694 | 0.00347 |
| 2025 Aug | 870 | 10.6 | 19 | 1.62 | 231 | 0.253 | 318 | 0.00000617 | 0.00551 | 4.28 | 0.00597 | 0.17 | 0.00000297 | 226 | 0.0000576 | 0.00026 | 0.0000623 | 0.00704 | 0.00352 |
| 2025 Sep | 878 | 10.6 | 18.9 | 1.61 | 230 | 0.253 | 324 | 0.00000618 | 0.0055 | 4.22 | 0.00596 | 0.168 | 0.00000294 | 227 | 0.0000593 | 0.000262 | 0.0000614 | 0.00701 | 0.00359 |
| 2025 Oct | 877 | 10.5 | 18.8 | 1.6 | 229 | 0.253 | 325 | 0.00000618 | 0.0055 | 4.19 | 0.00596 | 0.167 | 0.00000297 | 227 | 0.0000596 | 0.000262 | 0.0000614 | 0.00698 | 0.00362 |
| 2025 Nov | 877 | 10.5 | 18.8 | 1.6 | 229 | 0.253 | 325 | 0.00000618 | 0.0055 | 4.19 | 0.00596 | 0.167 | 0.00000297 | 227 | 0.0000596 | 0.000263 | 0.0000615 | 0.00698 | 0.00362 |
| 2025 Dec | 877 | 10.5 | 18.8 | 1.6 | 229 | 0.253 | 325 | 0.00000618 | 0.0055 | 4.19 | 0.00596 | 0.167 | 0.00000297 | 227 | 0.0000596 | 0.000263 | 0.0000615 | 0.00698 | 0.00362 |
| 2026 Jan | 877 | 10.5 | 18.8 | 1.6 | 229 | 0.253 | 325 | 0.00000618 | 0.0055 | 4.19 | 0.00596 | 0.167 | 0.00000297 | 227 | 0.0000596 | 0.000263 | 0.0000615 | 0.00698 | 0.00362 |
| 2026 Feb | 877 | 10.5 | 18.8 | 1.6 | 229 | 0.253 | 325 | 0.00000618 | 0.0055 | 4.19 | 0.00596 | 0.167 | 0.00000297 | 227 | 0.0000596 | 0.000263 | 0.0000615 | 0.00698 | 0.00362 |
| 2026 Mar | 877 | 10.5 | 18.8 | 1.6 | 229 | 0.253 | 325 | 0.00000618 | 0.0055 | 4.19 | 0.00596 | 0.167 | 0.00000298 | 227 | 0.0000596 | 0.000263 | 0.0000615 | 0.00698 | 0.00362 |
| 2026 Apr | 877 | 10.5 | 18.8 | 1.6 | 229 | 0.253 | 325 | 0.00000618 | 0.0055 | 4.19 | 0.00597 | 0.167 | 0.00000298 | 227 | 0.0000597 | 0.000263 | 0.0000615 | 0.00699 | 0.00363 |
| 2026 May | 879 | 10.5 | 18.8 | 1.6 | 229 | 0.253 | 326 | 0.00000619 | 0.00551 | 4.2 | 0.00598 | 0.168 | 0.00000298 | 228 | 0.0000598 | 0.000263 | 0.0000616 | 0.00699 | 0.00363 |
| 2026 Jun | 1190 | 14.6 | 27.5 | 1.66 | 461 | 0.278 | 317 | 0.0000394 | 0.0255 | 3.78 | 0.0154 | 0.237 | 0.0000134 | 301 | 0.000244 | 0.000537 | 0.00141 | 0.00701 | 0.00904 |
| 2026 Jul | 1590 | 73.3 | 91.1 | 4.23 | 763 | 0.426 | 364 | 0.0000712 | 0.0595 | 5.56 | 0.163 | 0.281 | 0.0000329 | 432 | 0.000277 | 0.00152 | 0.00188 | 0.00694 | 0.018 |
| 2026 Aug | 2160 | 169 | 194 | 8.51 | 1190 | 0.669 | 445 | 0.000113 | 0.11 | 8.77 | 0.405 | 0.337 | 0.0000621 | 628 | 0.000272 | 0.00307 | 0.00223 | 0.007 | 0.0312 |
| 2026 Sep | 2470 | 225 | 253 | 11 | 1430 | 0.808 | 493 | 0.000136 | 0.138 | 10.6 | 0.543 | 0.367 | 0.0000785 | 738 | 0.000262 | 0.00395 | 0.00239 | 0.00704 | 0.0387 |
| 2026 Oct | 2690 | 264 | 295 | 12.7 | 1600 | 0.907 | 527 | 0.000152 | 0.157 | 12 | 0.642 | 0.388 | 0.00009 | 816 | 0.000252 | 0.00458 | 0.00248 | 0.00708 | 0.0439 |
| 2026 Nov | 2860 | 295 | 328 | 14.1 | 1730 | 0.984 | 554 | 0.000164 | 0.172 | 13 | 0.719 | 0.403 | 0.0000989 | 876 | 0.000242 | 0.00506 | 0.00253 | 0.00711 | 0.0479 |
| 2026 Dec | 3000 | 319 | 354 | 15.2 | 1830 | 1.05 | 575 | 0.000174 | 0.184 | 13.9 | 0.781 | 0.416 | 0.000106 | 924 | 0.000234 | 0.00545 | 0.00257 | 0.00714 | 0.0511 |
| 2027 Jan | 3110 | 340 | 376 | 16.1 | 1920 | 1.12 | 605 | 0.000185 | 0.199 | 14.9 | 0.837 | 0.433 | 0.000113 | 969 | 0.000229 | 0.00591 | 0.00264 | 0.00727 | 0.0538 |
| 2027 Feb | 3200 | 356 | 393 | 16.9 | 1990 | 1.21 | 643 | 0.000199 | 0.216 | 16.2 | 0.886 | 0.454 | 0.00012 | 1010 | 0.000227 | 0.00644 | 0.00273 | 0.00751 | 0.056 |
| 2027 Mar | 3280 | 371 | 407 | 17.5 | 2050 | 1.29 | 676 | 0.000211 | 0.231 | 17.3 | 0.929 | 0.472 | 0.000127 | 1050 | 0.000226 | 0.00689 | 0.0028 | 0.00772 | 0.0578 |
| 2027 Apr | 3350 | 383 | 420 | 18 | 2100 | 1.35 | 705 | 0.000221 | 0.244 | 18.2 | 0.966 | 0.489 | 0.000132 | 1080 | 0.000225 | 0.00729 | 0.00287 | 0.00791 | 0.0595 |
| 2027 May | 3420 | 394 | 431 | 18.5 | 2150 | 1.41 | 730 | 0.00023 | 0.255 | 19 | 0.998 | 0.504 | 0.000137 | 1110 | 0.000228 | 0.00763 | 0.00296 | 0.00808 | 0.061 |
| 2027 Jun | 3430 | 377 | 415 | 17.7 | 2160 | 1.4 | 721 | 0.000239 | 0.258 | 18.6 | 0.961 | 0.529 | 0.000137 | 1100 | 0.000303 | 0.00759 | 0.00345 | 0.00821 | 0.0606 |
| 2027 Jul | 3440 | 374 | 411 | 17.5 | 2170 | 1.42 | 728 | 0.000244 | 0.263 | 18.8 | 0.956 | 0.539 | 0.000138 | 1110 | 0.000322 | 0.00768 | 0.00359 | 0.00831 | 0.0606 |
| 2027 Aug | 3470 | 379 | 417 | 17.8 | 2190 | 1.45 | 742 | 0.000249 | 0.268 | 19.2 | 0.972 | 0.547 | 0.00014 | 1120 | 0.000321 | 0.00787 | 0.00362 | 0.00841 | 0.0613 |
| 2027 Sep | 3470 | 380 | 417 | 17.8 | 2190 | 1.46 | 749 | 0.000252 | 0.272 | 19.4 | 0.976 | 0.552 | 0.000141 | 1130 | 0.000326 | 0.00796 | 0.00366 | 0.00846 | 0.0615 |
| 2027 Oct | 3490 | 382 | 419 | 17.9 | 2210 | 1.48 | 755 | 0.000255 | 0.275 | 19.6 | 0.983 | 0.557 | 0.000142 | 1130 | 0.00033 | 0.00806 | 0.00371 | 0.00851 | 0.0619 |
| 2027 Nov | 3520 | 388 | 425 | 18.1 | 2230 | 1.51 | 767 | 0.000259 | 0.28 | 20 | 1 | 0.562 | 0.000145 | 1150 | 0.000325 | 0.00822 | 0.00371 | 0.00858 | 0.0626 |
| 2027 Dec | 3540 | 394 | 431 | 18.4 | 2250 | 1.53 | 779 | 0.000262 | 0.285 | 20.4 | 1.02 | 0.567 | 0.000147 | 1160 | 0.000321 | 0.00837 | 0.00371 | 0.00864 | 0.0632 |
| 2028 Jan | 3570 | 395 | 432 | 18.4 | 2270 | 1.57 | 795 | 0.000267 | 0.29 | 20.9 | 1.03 | 0.575 | 0.000149 | 1170 | 0.000318 | 0.00858 | 0.00372 | 0.00875 | 0.0638 |
| 2028 Feb | 3590 | 391 | 428 | 18.3 | 2280 | 1.61 | 816 | 0.000274 | 0.295 | 21.6 | 1.05 | 0.586 | 0.000152 | 1190 | 0.000317 | 0.00884 | 0.00376 | 0.00891 | 0.0644 |
| 2028 Mar | 3610 | 388 | 424 | 18.1 | 2300 | 1.66 | 837 | 0.00028 | 0.3 | 22.2 | 1.07 | 0.596 | 0.000154 | 1200 | 0.000316 | 0.00909 | 0.00379 | 0.00907 | 0.0649 |
| 2028 Apr | 3630 | 385 | 420 | 17.9 | 2310 | 1.7 | 856 | 0.000286 | 0.304 | 22.8 | 1.08 | 0.606 | 0.000157 | 1220 | 0.000315 | 0.00933 | 0.00381 | 0.00922 | 0.0654 |
| 2028 May | 3650 | 382 | 417 | 17.8 | 2330 | 1.73 | 875 | 0.000292 | 0.309 | 23.4 | 1.1 | 0.615 | 0.000159 | 1230 | 0.000314 | 0.00956 | 0.00384 | 0.00937 | 0.0659 |
| 2028 Jun | 3650 | 368 | 402 | 17.1 | 2330 | 1.75 | 882 | 0.000298 | 0.31 | 23.5 | 1.09 | 0.628 | 0.00016 | 1230 | 0.000339 | 0.00966 | 0.00402 | 0.00951 | 0.0658 |

**Appendix D10. IVR Pit East Lobe**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 1.16E-09 | 0.000339 | 0.000000232 | 0.000527 | 0.000000321 | 1.16E-08 | 0.000327 | 0.000000223 | 0.000000767 | 1.16E-08 | 2.32E-08 | 1.16E-08 | 0.00000691 | 2.32E-09 | 6.39E-09 | 0.000000116 | 0.000000697 | 0.00116 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.0000374 | 84.3 | 0.0553 | 36.4 | 0.647 | 0.0231 | 186 | 0.172 | 0.00302 | 0.000389 | 0.0758 | 0.0109 | 6.82 | 0.000152 | 0.0103 | 0.0323 | 0.0107 | 0.141 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.000112 | 255 | 0.145 | 75.4 | 1.43 | 0.044 | 463 | 0.228 | 0.00492 | 0.0011 | 0.231 | 0.0275 | 18.7 | 0.000448 | 0.0314 | 0.0967 | 0.0303 | 0.178 |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Jun 2028) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 1.16E-09 | 0.000339 | 0.000000232 | 0.000527 | 0.000000321 | 1.16E-08 | 0.000327 | 0.000000223 | 0.000000767 | 1.16E-08 | 2.32E-08 | 1.16E-08 | 0.00000691 | 2.32E-09 | 6.39E-09 | 0.000000116 | 0.000000697 | |
| 2024 Feb | 2.66E-09 | 0.000778 | 0.000000533 | 0.00121 | 0.000000735 | 2.66E-08 | 0.000751 | 0.000000512 | 0.00000176 | 2.66E-08 | 5.33E-08 | 2.66E-08 | 0.0000159 | 5.33E-09 | 1.47E-08 | 0.000000266 | 0.0000016 | |
| 2024 Mar | 3.5E-09 | 0.00104 | 0.0000007 | 0.00161 | 0.000000964 | 0.000000035 | 0.001 | 0.000000703 | 0.00000229 | 0.000000035 | 0.00000007 | 0.000000035 | 0.0000211 | 0.000000007 | 1.95E-08 | 0.00000035 | 0.0000021 | |
| 2024 Apr | 3.97E-09 | 0.00119 | 0.000000793 | 0.00184 | 0.00000108 | 3.97E-08 | 0.00115 | 0.000000833 | 0.0000036 | 3.97E-08 | 7.93E-08 | 3.97E-08 | 0.0000239 | 7.93E-09 | 2.24E-08 | 0.000000397 | 0.00000238 | |
| 2024 May | 0.000000665 | 1.12 | 0.000303 | 4.64 | 0.0553 | 0.00384 | 7.75 | 0.05 | 0.000503 | 0.00000587 | 0.00103 | 0.000797 | 0.0094 | 0.00000244 | 0.000123 | 0.000589 | 0.000213 | |
| 2024 Jun | 0.00000233 | 4.36 | 0.00114 | 18.3 | 0.22 | 0.0152 | 30.7 | 0.198 | 0.00189 | 0.0000202 | 0.0041 | 0.00316 | 0.0354 | 0.00000907 | 0.000485 | 0.00231 | 0.000661 | |
| 2024 Jul | 0.00000242 | 4.6 | 0.0012 | 19.3 | 0.232 | 0.0161 | 32.4 | 0.21 | 0.00198 | 0.0000209 | 0.00433 | 0.00334 | 0.0371 | 0.0000095 | 0.000513 | 0.00243 | 0.00067 | |
| 2024 Aug | 0.00000247 | 4.74 | 0.00123 | 19.9 | 0.24 | 0.0167 | 33.5 | 0.217 | 0.00203 | 0.0000213 | 0.00448 | 0.00345 | 0.038 | 0.00000975 | 0.00053 | 0.00251 | 0.000673 | |
| 2024 Sep | 0.00000247 | 4.77 | 0.00124 | 20.1 | 0.242 | 0.0168 | 33.8 | 0.219 | 0.00203 | 0.0000213 | 0.00452 | 0.00348 | 0.0382 | 0.00000981 | 0.000535 | 0.00253 | 0.000671 | |
| 2024 Oct | 0.00000248 | 4.77 | 0.00124 | 20.1 | 0.242 | 0.0168 | 33.8 | 0.219 | 0.00204 | 0.0000218 | 0.00452 | 0.00348 | 0.0383 | 0.00000982 | 0.000535 | 0.00253 | 0.000675 | |
| 2024 Nov | 0.00000248 | 4.77 | 0.00124 | 20 | 0.242 | 0.0168 | 33.7 | 0.218 | 0.00204 | 0.0000237 | 0.00451 | 0.00348 | 0.0383 | 0.00000982 | 0.000534 | 0.00253 | 0.00068 | |
| 2024 Dec | 0.00000248 | 4.77 | 0.00124 | 20 | 0.242 | 0.0168 | 33.7 | 0.218 | 0.00204 | 0.0000237 | 0.00451 | 0.00348 | 0.0383 | 0.00000982 | 0.000534 | 0.00253 | 0.00068 | |
| 2025 Jan | 0.00000248 | 4.77 | 0.00124 | 20 | 0.242 | 0.0168 | 33.7 | 0.218 | 0.00204 | 0.0000237 | 0.00451 | 0.00348 | 0.0383 | 0.00000982 | 0.000534 | 0.00253 | 0.00068 | |
| 2025 Feb | 0.00000248 | 4.77 | 0.00124 | 20 | 0.242 | 0.0168 | 33.7 | 0.218 | 0.00204 | 0.0000237 | 0.00451 | 0.00348 | 0.0383 | 0.00000982 | 0.000534 | 0.00253 | 0.00068 | |
| 2025 Mar | 0.00000248 | 4.77 | 0.00124 | 20 | 0.242 | 0.0168 | 33.7 | 0.218 | 0.00204 | 0.0000237 | 0.00451 | 0.00348 | 0.0383 | 0.00000982 | 0.000534 | 0.00253 | 0.00068 | |
| 2025 Apr | 0.00000248 | 4.77 | 0.00124 | 20.1 | 0.242 | 0.0168 | 33.8 | 0.218 | 0.00204 | 0.0000237 | 0.00451 | 0.00348 | 0.0383 | 0.00000982 | 0.000534 | 0.00253 | 0.00068 | |
| 2025 May | 0.00000249 | 4.79 | 0.00124 | 20.1 | 0.243 | 0.0169 | 33.9 | 0.219 | 0.00204 | 0.0000238 | 0.00453 | 0.00349 | 0.0384 | 0.00000986 | 0.000536 | 0.00254 | 0.000683 | |
| 2025 Jun | 0.0000025 | 4.75 | 0.00124 | 20.9 | 0.262 | 0.0164 | 33.4 | 0.216 | 0.00206 | 0.0000235 | 0.00437 | 0.00343 | 0.0386 | 0.00000972 | 0.000533 | 0.00246 | 0.000711 | |
| 2025 Jul | 0.00000254 | 4.85 | 0.00126 | 22.5 | 0.292 | 0.0166 | 34.1 | 0.221 | 0.0021 | 0.0000234 | 0.00436 | 0.00348 | 0.0397 | 0.0000098 | 0.000548 | 0.00246 | 0.000729 | |
| 2025 Aug | 0.00000256 | 4.92 | 0.00128 | 23.2 | 0.304 | 0.0168 | 34.6 | 0.225 | 0.00211 | 0.0000235 | 0.00439 | 0.00354 | 0.0402 | 0.0000099 | 0.000558 | 0.00249 | 0.000734 | |
| 2025 Sep | 0.00000255 | 4.9 | 0.00127 | 23.7 | 0.315 | 0.0166 | 34.5 | 0.225 | 0.00208 | 0.0000231 | 0.00434 | 0.00352 | 0.0401 | 0.00000981 | 0.000558 | 0.00246 | 0.000732 | |
| 2025 Oct | 0.00000255 | 4.89 | 0.00127 | 23.7 | 0.317 | 0.0165 | 34.4 | 0.224 | 0.00207 | 0.000027 | 0.0043 | 0.0035 | 0.04 | 0.00000978 | 0.000556 | 0.00244 | 0.000741 | |
| 2025 Nov | 0.00000255 | 4.89 | 0.00127 | 23.7 | 0.317 | 0.0165 | 34.4 | 0.224 | 0.00207 | 0.0000277 | 0.0043 | 0.0035 | 0.04 | 0.00000978 | 0.000556 | 0.00244 | 0.000743 | |
| 2025 Dec | 0.00000255 | 4.89 | 0.00127 | 23.7 | 0.317 | 0.0165 | 34.4 | 0.224 | 0.00207 | 0.0000277 | 0.0043 | 0.0035 | 0.04 | 0.00000978 | 0.000556 | 0.00244 | 0.000743 | |
| 2026 Jan | 0.00000255 | 4.89 | 0.00127 | 23.7 | 0.317 | 0.0165 | 34.4 | 0.224 | 0.00207 | 0.0000277 | 0.0043 | 0.0035 | 0.04 | 0.00000978 | 0.000556 | 0.00244 | 0.000743 | |
| 2026 Feb | 0.00000255 | 4.89 | 0.00127 | 23.7 | 0.317 | 0.0165 | 34.4 | 0.224 | 0.00207 | 0.0000277 | 0.0043 | 0.0035 | 0.04 | 0.00000978 | 0.000556 | 0.00244 | 0.000743 | |
| 2026 Mar | 0.00000255 | 4.89 | 0.00127 | 23.7 | 0.317 | 0.0165 | 34.4 | 0.224 | 0.00207 | 0.0000278 | 0.0043 | 0.0035 | 0.04 | 0.00000978 | 0.000556 | 0.00244 | 0.000743 | |
| 2026 Apr | 0.00000255 | 4.89 | 0.00127 | 23.7 | 0.317 | 0.0165 | 34.4 | 0.224 | 0.00207 | 0.0000278 | 0.00431 | 0.0035 | 0.04 | 0.00000978 | 0.000557 | 0.00244 | 0.000744 | |
| 2026 May | 0.00000255 | 4.9 | 0.00127 | 23.8 | 0.318 | 0.0166 | 34.4 | 0.224 | 0.00208 | 0.0000278 | 0.00431 | 0.00351 | 0.0401 | 0.0000098 | 0.000557 | 0.00244 | 0.000745 | |
| 2026 Jun | 0.00000825 | 12.1 | 0.0939 | 27.1 | 0.738 | 0.016 | 36.6 | 0.228 | 0.00333 | 0.000219 | 0.00533 | 0.0034 | 0.158 | 0.0000585 | 0.000693 | 0.00285 | 0.00584 | 0.00116 |
| 2026 Jul | 0.0000196 | 38.2 | 0.112 | 31.8 | 0.857 | 0.0181 | 96.2 | 0.211 | 0.00371 | 0.00034 | 0.0287 | 0.00592 | 2.8 | 0.000105 | 0.00387 | 0.0127 | 0.00915 | 0.0268 |
| 2026 Aug | 0.0000367 | 79.1 | 0.111 | 38.5 | 0.914 | 0.0221 | 195 | 0.186 | 0.00403 | 0.000481 | 0.0672 | 0.0102 | 7.13 | 0.000166 | 0.00911 | 0.0289 | 0.013 | 0.0691 |
| 2026 Sep | 0.0000463 | 102 | 0.107 | 42.3 | 0.931 | 0.0244 | 252 | 0.173 | 0.00418 | 0.000555 | 0.0894 | 0.0127 | 9.62 | 0.0002 | 0.0121 | 0.0382 | 0.0151 | 0.0934 |
| 2026 Oct | 0.000053 | 119 | 0.103 | 44.9 | 0.936 | 0.0262 | 293 | 0.163 | 0.00426 | 0.000604 | 0.105 | 0.0145 | 11.4 | 0.000223 | 0.0143 | 0.0449 | 0.0165 | 0.111 |
| 2026 Nov | 0.0000583 | 132 | 0.0982 | 46.9 | 0.935 | 0.0275 | 324 | 0.156 | 0.00432 | 0.00064 | 0.117 | 0.0159 | 12.8 | 0.00024 | 0.0159 | 0.0501 | 0.0175 | 0.124 |
| 2026 Dec | 0.0000624 | 142 | 0.0946 | 48.5 | 0.934 | 0.0286 | 350 | 0.15 | 0.00436 | 0.000669 | 0.127 | 0.017 | 13.9 | 0.000254 | 0.0173 | 0.0542 | 0.0183 | 0.135 |
| 2027 Jan | 0.0000675 | 154 | 0.0924 | 50.8 | 0.947 | 0.0301 | 372 | 0.146 | 0.00438 | 0.000705 | 0.139 | 0.0183 | 14.8 | 0.000272 | 0.0189 | 0.0591 | 0.0193 | 0.144 |
| 2027 Feb | 0.0000735 | 168 | 0.0915 | 53.9 | 0.975 | 0.032 | 390 | 0.145 | 0.00438 | 0.000748 | 0.152 | 0.0197 | 15.6 | 0.000293 | 0.0207 | 0.0646 | 0.0205 | 0.151 |
| 2027 Mar | 0.0000786 | 180 | 0.0907 | 56.5 | 0.999 | 0.0336 | 406 | 0.144 | 0.00438 | 0.000784 | 0.164 | 0.0209 | 16.3 | 0.000312 | 0.0222 | 0.0693 | 0.0215 | 0.158 |
| 2027 Apr | 0.0000832 | 191 | 0.0901 | 58.8 | 1.02 | 0.0351 | 420 | 0.143 | 0.00437 | 0.000816 | 0.174 | 0.0219 | 16.9 | 0.000328 | 0.0236 | 0.0735 | 0.0224 | 0.163 |
| 2027 May | 0.0000872 | 200 | 0.0917 | 60.9 | 1.05 | 0.0363 | 432 | 0.143 | 0.0044 | 0.000848 | 0.183 | 0.0228 | 17.4 | 0.000343 | 0.0248 | 0.0771 | 0.0233 | 0.168 |
| 2027 Jun | 0.0000879 | 199 | 0.129 | 61.8 | 1.21 | 0.0361 | 415 | 0.151 | 0.00482 | 0.000909 | 0.18 | 0.0224 | 16.7 | 0.000357 | 0.0244 | 0.0757 | 0.0249 | 0.16 |
| 2027 Jul | 0.0000893 | 202 | 0.138 | 62.8 | 1.26 | 0.0364 | 412 | 0.153 | 0.00491 | 0.000933 | 0.181 | 0.0225 | 16.6 | 0.000364 | 0.0246 | 0.0764 | 0.0255 | 0.159 |
| 2027 Aug | 0.0000914 | 207 | 0.138 | 63.9 | 1.27 | 0.0371 | 418 | 0.153 | 0.0049 | 0.000947 | 0.186 | 0.023 | 16.8 | 0.000372 | 0.0252 | 0.0783 | 0.0259 | 0.161 |
| 2027 Sep | 0.0000925 | 209 | 0.14 | 64.5 | 1.29 | 0.0374 | 419 | 0.154 | 0.00491 | 0.000958 | 0.188 | 0.0232 | 16.9 | 0.000376 | 0.0255 | 0.0792 | 0.0262 | 0.161 |
| 2027 Oct | 0.0000937 | 212 | 0.142 | 65.1 | 1.3 | 0.0377 | 421 | 0.153 | 0.00492 | 0.00097 | 0.191 | 0.0234 | 17 | 0.000381 | 0.0259 | 0.0802 | 0.0266 | 0.162 |
| 2027 Nov | 0.0000955 | 216 | 0.14 | 66 | 1.3 | 0.0383 | 428 | 0.153 | 0.0049 | 0.00098 | 0.195 | 0.0239 | 17.3 | 0.000387 | 0.0265 | 0.0819 | 0.0268 | 0.165 |
| 2027 Dec | 0.0000971 | 220 | 0.138 | 66.8 | 1.3 | 0.0389 | 434 | 0.152 | 0.00488 | 0.000989 | 0.199 | 0.0243 | 17.5 | 0.000392 | 0.027 | 0.0836 | 0.0271 | 0.167 |
| 2028 Jan | 0.0000995 | 226 | 0.136 | 68 | 1.31 | 0.0397 | 440 | 0.152 | 0.00486 | 0.001 | 0.204 | 0.0249 | 17.8 | 0.0004 | 0.0277 | 0.0857 | 0.0275 | 0.17 |
| 2028 Feb | 0.000103 | 233 | 0.135 | 69.7 | 1.32 | 0.0407 | 446 | 0.153 | 0.00482 | 0.00102 | 0.211 | 0.0255 | 18 | 0.000411 | 0.0286 | 0.0885 | 0.028 | 0.172 |
| 2028 Mar | 0.000105 | 240 | 0.134 | 71.3 | 1.34 | 0.0417 | 452 | 0.154 | 0.00479 | 0.00104 | 0.217 | 0.0262 | 18.3 | 0.00042 | 0.0295 | 0.0911 | 0.0286 | 0.174 |
| 2028 Apr | 0.000108 | 246 | 0.133 | 72.9 | 1.35 | 0.0427 | 457 | 0.155 | 0.00477 | 0.00106 | 0.223 | 0.0268 | 18.5 | 0.00043 | 0.0303 | 0.0936 | 0.029 | 0.176 |
| 2028 May | 0.000111 | 252 | 0.132 | 74.3 | 1.36 | 0.0436 | 463 | 0.156 | 0.00474 | 0.00107 | 0.229 | 0.0274 | 18.7 | 0.000439 | 0.0311 | 0.096 | 0.0295 | 0.178 |
| 2028 Jun | 0.000112 | 255 | 0.145 | 75.4 | 1.43 | 0.044 | 458 | 0.159 | 0.00487 | 0.0011 | 0.231 | 0.0275 | 18.5 | 0.000448 | 0.0314 | 0.0967 | 0.0303 | 0.175 |

**Appendix D11. WT-IVR Complex**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Active Closure (Sep., 2039 to Aug., 2044): Min | 81.7 | 0.000476 | 0.173 | 0.000608 | 13.3 | 0.0609 | 22.3 | 0.00000623 | 0.0131 | 0.0252 | 0.00631 | 0.0193 | 0.0000144 | 14 | 0.00000779 | 0.000158 | 0.000222 | 0.000976 | 0.0532 |
| Active Closure (Sep., 2039 to Aug., 2044)): Average | 86.2 | 0.000644 | 0.19 | 0.000627 | 13.8 | 0.0627 | 24.6 | 0.0000064 | 0.0134 | 0.0271 | 0.00653 | 0.0201 | 0.0000151 | 15 | 0.00000845 | 0.000173 | 0.000229 | 0.00102 | 0.0556 |
| Active Closure (Sep., 2039 to Aug., 2044)): Max | 91.8 | 0.00083 | 0.211 | 0.000656 | 14.6 | 0.0652 | 27 | 0.00000667 | 0.0138 | 0.0285 | 0.00685 | 0.0211 | 0.0000161 | 16.1 | 0.00000915 | 0.00019 | 0.000241 | 0.00108 | 0.059 |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Sep 2039-Aug 2044) | | | | | | | | | | | | | | | | | | | |
| 2039 Sep | 91.8 | 0.000479 | 0.211 | 0.000656 | 14.6 | 0.0652 | 27 | 0.00000667 | 0.0137 | 0.0285 | 0.00685 | 0.0211 | 0.0000161 | 16.1 | 0.00000915 | 0.00019 | 0.000241 | 0.00108 | 0.059 |
| 2039 Oct | 91.7 | 0.000481 | 0.211 | 0.000656 | 14.5 | 0.0652 | 27 | 0.00000667 | 0.0138 | 0.0285 | 0.00685 | 0.0211 | 0.0000161 | 16.1 | 0.00000914 | 0.00019 | 0.00024 | 0.00108 | 0.0589 |
| 2039 Nov | 91.6 | 0.000481 | 0.21 | 0.000655 | 14.5 | 0.0652 | 26.9 | 0.00000666 | 0.0138 | 0.0285 | 0.00684 | 0.021 | 0.0000161 | 16.1 | 0.00000913 | 0.00019 | 0.00024 | 0.00107 | 0.0589 |
| 2039 Dec | 91.4 | 0.00048 | 0.21 | 0.000654 | 14.5 | 0.065 | 26.9 | 0.00000665 | 0.0138 | 0.0284 | 0.00683 | 0.021 | 0.0000161 | 16 | 0.00000911 | 0.00019 | 0.000239 | 0.00107 | 0.0587 |
| 2040 Jan | 91.2 | 0.000479 | 0.209 | 0.000652 | 14.5 | 0.0649 | 26.8 | 0.00000663 | 0.0137 | 0.0283 | 0.00681 | 0.0209 | 0.000016 | 16 | 0.00000909 | 0.000189 | 0.000239 | 0.00107 | 0.0586 |
| 2040 Feb | 91 | 0.000478 | 0.209 | 0.000651 | 14.4 | 0.0648 | 26.8 | 0.00000662 | 0.0137 | 0.0283 | 0.0068 | 0.0209 | 0.000016 | 16 | 0.00000907 | 0.000189 | 0.000238 | 0.00107 | 0.0585 |
| 2040 Mar | 90.8 | 0.000477 | 0.209 | 0.00065 | 14.4 | 0.0646 | 26.7 | 0.0000066 | 0.0137 | 0.0282 | 0.00678 | 0.0209 | 0.000016 | 15.9 | 0.00000905 | 0.000188 | 0.000238 | 0.00107 | 0.0583 |
| 2040 Apr | 90.6 | 0.000476 | 0.208 | 0.000648 | 14.4 | 0.0645 | 26.6 | 0.00000659 | 0.0136 | 0.0281 | 0.00677 | 0.0208 | 0.0000159 | 15.9 | 0.00000903 | 0.000188 | 0.000237 | 0.00106 | 0.0582 |
| 2040 May | 90.4 | 0.000478 | 0.208 | 0.000647 | 14.3 | 0.0644 | 26.6 | 0.00000658 | 0.0136 | 0.0281 | 0.00675 | 0.0208 | 0.0000159 | 15.9 | 0.00000901 | 0.000188 | 0.000237 | 0.00106 | 0.0581 |
| 2040 Jun | 90 | 0.00055 | 0.205 | 0.000645 | 14.3 | 0.0643 | 26.5 | 0.00000656 | 0.0136 | 0.0284 | 0.00673 | 0.0207 | 0.0000158 | 15.8 | 0.00000899 | 0.000186 | 0.000236 | 0.00106 | 0.0577 |
| 2040 Jul | 89.5 | 0.000563 | 0.203 | 0.000643 | 14.2 | 0.0641 | 26.2 | 0.00000654 | 0.0136 | 0.0283 | 0.0067 | 0.0206 | 0.0000157 | 15.7 | 0.00000891 | 0.000184 | 0.000235 | 0.00105 | 0.0574 |
| 2040 Aug | 89.1 | 0.000563 | 0.201 | 0.000641 | 14.2 | 0.0639 | 26 | 0.00000653 | 0.0135 | 0.0281 | 0.00668 | 0.0206 | 0.0000156 | 15.6 | 0.00000883 | 0.000182 | 0.000235 | 0.00105 | 0.0573 |
| 2040 Sep | 88.9 | 0.000566 | 0.2 | 0.00064 | 14.1 | 0.0638 | 25.9 | 0.00000652 | 0.0135 | 0.0281 | 0.00667 | 0.0205 | 0.0000156 | 15.5 | 0.00000881 | 0.000181 | 0.000234 | 0.00105 | 0.0571 |
| 2040 Oct | 88.8 | 0.000566 | 0.2 | 0.00064 | 14.1 | 0.0639 | 25.8 | 0.00000652 | 0.0136 | 0.028 | 0.00667 | 0.0205 | 0.0000156 | 15.5 | 0.0000088 | 0.000181 | 0.000234 | 0.00105 | 0.0571 |
| 2040 Nov | 88.7 | 0.000565 | 0.2 | 0.000639 | 14.1 | 0.0639 | 25.8 | 0.00000651 | 0.0136 | 0.028 | 0.00667 | 0.0205 | 0.0000156 | 15.5 | 0.00000879 | 0.000181 | 0.000234 | 0.00105 | 0.057 |
| 2040 Dec | 88.6 | 0.000564 | 0.199 | 0.000638 | 14.1 | 0.0638 | 25.7 | 0.0000065 | 0.0136 | 0.0279 | 0.00665 | 0.0205 | 0.0000156 | 15.5 | 0.00000877 | 0.000181 | 0.000233 | 0.00105 | 0.0569 |
| 2041 Jan | 88.4 | 0.000563 | 0.199 | 0.000637 | 14.1 | 0.0637 | 25.7 | 0.00000649 | 0.0136 | 0.0279 | 0.00664 | 0.0204 | 0.0000155 | 15.5 | 0.00000876 | 0.00018 | 0.000233 | 0.00104 | 0.0568 |
| 2041 Feb | 88.2 | 0.000562 | 0.198 | 0.000636 | 14 | 0.0635 | 25.7 | 0.00000648 | 0.0135 | 0.0278 | 0.00663 | 0.0204 | 0.0000155 | 15.4 | 0.00000874 | 0.00018 | 0.000233 | 0.00104 | 0.0567 |
| 2041 Mar | 88.1 | 0.000561 | 0.198 | 0.000635 | 14 | 0.0634 | 25.6 | 0.00000647 | 0.0135 | 0.0278 | 0.00662 | 0.0204 | 0.0000155 | 15.4 | 0.00000873 | 0.00018 | 0.000232 | 0.00104 | 0.0566 |
| 2041 Apr | 87.9 | 0.00056 | 0.198 | 0.000634 | 14 | 0.0633 | 25.6 | 0.00000646 | 0.0135 | 0.0277 | 0.00661 | 0.0203 | 0.0000154 | 15.4 | 0.00000871 | 0.000179 | 0.000232 | 0.00104 | 0.0565 |
| 2041 May | 87.8 | 0.00056 | 0.197 | 0.000633 | 14 | 0.0633 | 25.5 | 0.00000645 | 0.0135 | 0.0277 | 0.0066 | 0.0203 | 0.0000154 | 15.3 | 0.0000087 | 0.000179 | 0.000231 | 0.00104 | 0.0564 |
| 2041 Jun | 87.6 | 0.000589 | 0.196 | 0.000632 | 13.9 | 0.0632 | 25.4 | 0.00000644 | 0.0135 | 0.0277 | 0.00659 | 0.0203 | 0.0000154 | 15.3 | 0.00000867 | 0.000178 | 0.000231 | 0.00104 | 0.0563 |
| 2041 Jul | 87.1 | 0.000614 | 0.194 | 0.00063 | 13.9 | 0.063 | 25.2 | 0.00000642 | 0.0134 | 0.0277 | 0.00656 | 0.0202 | 0.0000153 | 15.2 | 0.0000086 | 0.000176 | 0.00023 | 0.00103 | 0.056 |
| 2041 Aug | 86.7 | 0.000613 | 0.192 | 0.000628 | 13.9 | 0.0627 | 24.9 | 0.0000064 | 0.0133 | 0.0275 | 0.00654 | 0.0201 | 0.0000152 | 15.1 | 0.00000852 | 0.000174 | 0.00023 | 0.00102 | 0.0558 |
| 2041 Sep | 86.5 | 0.000615 | 0.191 | 0.000627 | 13.8 | 0.0627 | 24.8 | 0.0000064 | 0.0134 | 0.0275 | 0.00653 | 0.0201 | 0.0000152 | 15.1 | 0.0000085 | 0.000174 | 0.000229 | 0.00102 | 0.0557 |
| 2041 Oct | 86.3 | 0.00062 | 0.191 | 0.000626 | 13.8 | 0.0626 | 24.8 | 0.00000639 | 0.0134 | 0.0274 | 0.00652 | 0.0201 | 0.0000151 | 15 | 0.00000848 | 0.000173 | 0.000229 | 0.00102 | 0.0556 |
| 2041 Nov | 86.3 | 0.00062 | 0.191 | 0.000626 | 13.8 | 0.0627 | 24.7 | 0.00000639 | 0.0134 | 0.0274 | 0.00652 | 0.0201 | 0.0000151 | 15 | 0.00000847 | 0.000173 | 0.000229 | 0.00102 | 0.0556 |
| 2041 Dec | 86.2 | 0.00062 | 0.19 | 0.000626 | 13.8 | 0.0627 | 24.7 | 0.00000639 | 0.0134 | 0.0273 | 0.00652 | 0.0201 | 0.0000151 | 15 | 0.00000847 | 0.000173 | 0.000229 | 0.00102 | 0.0555 |
| 2042 Jan | 86.2 | 0.00062 | 0.19 | 0.000626 | 13.8 | 0.0627 | 24.7 | 0.00000639 | 0.0134 | 0.0273 | 0.00652 | 0.0201 | 0.0000151 | 15 | 0.00000846 | 0.000173 | 0.000229 | 0.00102 | 0.0555 |
| 2042 Feb | 86.1 | 0.00062 | 0.19 | 0.000626 | 13.8 | 0.0627 | 24.7 | 0.00000639 | 0.0134 | 0.0273 | 0.00651 | 0.02 | 0.0000151 | 15 | 0.00000845 | 0.000173 | 0.000229 | 0.00102 | 0.0555 |
| 2042 Mar | 86 | 0.000619 | 0.19 | 0.000625 | 13.8 | 0.0626 | 24.6 | 0.00000638 | 0.0134 | 0.0272 | 0.00651 | 0.02 | 0.0000151 | 15 | 0.00000844 | 0.000173 | 0.000228 | 0.00102 | 0.0554 |
| 2042 Apr | 85.9 | 0.000618 | 0.19 | 0.000625 | 13.8 | 0.0625 | 24.6 | 0.00000637 | 0.0134 | 0.0272 | 0.0065 | 0.02 | 0.0000151 | 15 | 0.00000843 | 0.000173 | 0.000228 | 0.00102 | 0.0553 |
| 2042 May | 85.8 | 0.000619 | 0.189 | 0.000624 | 13.7 | 0.0625 | 24.6 | 0.00000637 | 0.0134 | 0.0272 | 0.00649 | 0.02 | 0.0000151 | 14.9 | 0.00000842 | 0.000172 | 0.000228 | 0.00102 | 0.0553 |
| 2042 Jun | 85.6 | 0.000657 | 0.188 | 0.000623 | 13.7 | 0.0625 | 24.5 | 0.00000636 | 0.0134 | 0.0272 | 0.00648 | 0.02 | 0.000015 | 14.9 | 0.0000084 | 0.000172 | 0.000227 | 0.00102 | 0.0551 |
| 2042 Jul | 85.2 | 0.000682 | 0.186 | 0.000621 | 13.7 | 0.0622 | 24.3 | 0.00000634 | 0.0133 | 0.0272 | 0.00646 | 0.0199 | 0.0000149 | 14.8 | 0.00000834 | 0.00017 | 0.000227 | 0.00101 | 0.0549 |
| 2042 Aug | 84.7 | 0.000684 | 0.184 | 0.000619 | 13.6 | 0.0619 | 24 | 0.00000633 | 0.0132 | 0.0269 | 0.00644 | 0.0198 | 0.0000149 | 14.7 | 0.00000825 | 0.000168 | 0.000226 | 0.00101 | 0.0547 |
| 2042 Sep | 84.4 | 0.000686 | 0.183 | 0.000618 | 13.6 | 0.0618 | 23.8 | 0.00000631 | 0.0132 | 0.0267 | 0.00642 | 0.0197 | 0.0000148 | 14.6 | 0.0000082 | 0.000167 | 0.000226 | 0.001 | 0.0545 |
| 2042 Oct | 84.2 | 0.000697 | 0.182 | 0.000617 | 13.6 | 0.0616 | 23.7 | 0.0000063 | 0.0132 | 0.0266 | 0.00641 | 0.0197 | 0.0000148 | 14.6 | 0.00000817 | 0.000166 | 0.000225 | 0.000999 | 0.0544 |
| 2042 Nov | 84.1 | 0.000698 | 0.182 | 0.000617 | 13.6 | 0.0617 | 23.7 | 0.0000063 | 0.0132 | 0.0266 | 0.00641 | 0.0197 | 0.0000148 | 14.6 | 0.00000817 | 0.000166 | 0.000225 | 0.000999 | 0.0544 |
| 2042 Dec | 84.1 | 0.000699 | 0.182 | 0.000617 | 13.6 | 0.0617 | 23.7 | 0.0000063 | 0.0132 | 0.0266 | 0.00641 | 0.0197 | 0.0000147 | 14.6 | 0.00000816 | 0.000166 | 0.000225 | 0.000999 | 0.0543 |
| 2043 Jan | 84.1 | 0.0007 | 0.182 | 0.000617 | 13.6 | 0.0617 | 23.6 | 0.0000063 | 0.0132 | 0.0266 | 0.00641 | 0.0197 | 0.0000147 | 14.6 | 0.00000816 | 0.000166 | 0.000225 | 0.000999 | 0.0543 |
| 2043 Feb | 84 | 0.000701 | 0.182 | 0.000617 | 13.6 | 0.0617 | 23.6 | 0.0000063 | 0.0132 | 0.0265 | 0.00641 | 0.0197 | 0.0000147 | 14.6 | 0.00000816 | 0.000166 | 0.000225 | 0.001 | 0.0543 |
| 2043 Mar | 84 | 0.000702 | 0.182 | 0.000617 | 13.5 | 0.0617 | 23.6 | 0.0000063 | 0.0132 | 0.0265 | 0.00641 | 0.0197 | 0.0000147 | 14.5 | 0.00000815 | 0.000166 | 0.000225 | 0.001 | 0.0543 |
| 2043 Apr | 84 | 0.000703 | 0.182 | 0.000617 | 13.5 | 0.0617 | 23.6 | 0.0000063 | 0.0132 | 0.0265 | 0.00641 | 0.0197 | 0.0000147 | 14.5 | 0.00000815 | 0.000166 | 0.000225 | 0.001 | 0.0543 |
| 2043 May | 84 | 0.000706 | 0.182 | 0.000617 | 13.5 | 0.0617 | 23.6 | 0.0000063 | 0.0132 | 0.0265 | 0.00641 | 0.0197 | 0.0000147 | 14.5 | 0.00000815 | 0.000166 | 0.000225 | 0.001 | 0.0543 |
| 2043 Jun | 83.7 | 0.000774 | 0.18 | 0.000615 | 13.5 | 0.0617 | 23.5 | 0.0000063 | 0.0132 | 0.0265 | 0.00639 | 0.0196 | 0.0000147 | 14.5 | 0.00000813 | 0.000165 | 0.000224 | 0.000999 | 0.054 |
| 2043 Jul | 83.3 | 0.000786 | 0.179 | 0.000614 | 13.5 | 0.0615 | 23.3 | 0.00000628 | 0.0132 | 0.0263 | 0.00638 | 0.0196 | 0.0000146 | 14.4 | 0.00000806 | 0.000163 | 0.000224 | 0.000993 | 0.0539 |
| 2043 Aug | 82.9 | 0.000785 | 0.177 | 0.000612 | 13.4 | 0.0613 | 23 | 0.00000627 | 0.0131 | 0.026 | 0.00636 | 0.0195 | 0.0000146 | 14.3 | 0.00000798 | 0.000162 | 0.000224 | 0.000988 | 0.0538 |
| 2043 Sep | 82.7 | 0.000786 | 0.177 | 0.000611 | 13.4 | 0.0612 | 22.9 | 0.00000626 | 0.0131 | 0.0259 | 0.00635 | 0.0195 | 0.0000145 | 14.3 | 0.00000795 | 0.000161 | 0.000223 | 0.000986 | 0.0537 |
| 2043 Oct | 82.7 | 0.000786 | 0.176 | 0.000611 | 13.4 | 0.0612 | 22.9 | 0.00000626 | 0.0131 | 0.0258 | 0.00635 | 0.0195 | 0.0000145 | 14.2 | 0.00000794 | 0.000161 | 0.000223 | 0.000985 | 0.0537 |
| 2043 Nov | 82.6 | 0.000786 | 0.176 | 0.000611 | 13.4 | 0.0612 | 22.8 | 0.00000626 | 0.0131 | 0.0258 | 0.00635 | 0.0195 | 0.0000145 | 14.2 | 0.00000794 | 0.000161 | 0.000223 | 0.000985 | 0.0536 |
| 2043 Dec | 82.6 | 0.000786 | 0.176 | 0.000611 | 13.4 | 0.0612 | 22.8 | 0.00000626 | 0.0131 | 0.0258 | 0.00635 | 0.0195 | 0.0000145 | 14.2 | 0.00000794 | 0.000161 | 0.000223 | 0.000985 | 0.0536 |
| 2044 Jan | 82.6 | 0.000786 | 0.176 | 0.000611 | 13.4 | 0.0612 | 22.8 | 0.00000626 | 0.0131 | 0.0258 | 0.00635 | 0.0195 | 0.0000145 | 14.2 | 0.00000794 | 0.000161 | 0.000223 | 0.000986 | 0.0536 |
| 2044 Feb | 82.6 | 0.000786 | 0.176 | 0.000611 | 13.4 | 0.0612 | 22.8 | 0.00000626 | 0.0131 | 0.0258 | 0.00635 | 0.0195 | 0.0000145 | 14.2 | 0.00000793 | 0.000161 | 0.000223 | 0.000986 | 0.0536 |
| 2044 Mar | 82.6 | 0.000786 | 0.176 | 0.000611 | 13.4 | 0.0612 | 22.8 | 0.00000626 | 0.0131 | 0.0258 | 0.00635 | 0.0195 | 0.0000145 | 14.2 | 0.00000793 | 0.000161 | 0.000223 | 0.000986 | 0.0536 |
| 2044 Apr | 82.6 | 0.000786 | 0.176 | 0.000611 | 13.4 | 0.0612 | 22.8 | 0.00000626 | 0.0131 | 0.0258 | 0.00634 | 0.0195 | 0.0000145 | 14.2 | 0.00000793 | 0.000161 | 0.000223 | 0.000986 | 0.0536 |
| 2044 May | 82.6 | 0.000786 | 0.176 | 0.000611 | 13.4 | 0.0612 | 22.8 | 0.00000626 | 0.0131 | 0.0258 | 0.00635 | 0.0195 | 0.0000145 | 14.2 | 0.00000793 | 0.000161 | 0.000223 | 0.000986 | 0.0536 |
| 2044 Jun | 82.3 | 0.000824 | 0.175 | 0.00061 | 13.4 | 0.0612 | 22.7 | 0.00000625 | 0.0132 | 0.0257 | 0.00633 | 0.0194 | 0.0000145 | 14.2 | 0.0000079 | 0.00016 | 0.000222 | 0.000985 | 0.0534 |
| 2044 Jul | 81.9 | 0.00083 | 0.173 | 0.000608 | 13.3 | 0.061 | 22.4 | 0.00000624 | 0.0131 | 0.0254 | 0.00632 | 0.0194 | 0.0000144 | 14.1 | 0.00000783 | 0.000159 | 0.000222 | 0.00098 | 0.0532 |
| 2044 Aug | 81.7 | 0.000828 | 0.173 | 0.000608 | 13.3 | 0.0609 | 22.3 | 0.00000623 | 0.0131 | 0.0252 | 0.00631 | 0.0193 | 0.0000144 | 14 | 0.00000779 | 0.000158 | 0.000222 | 0.000976 | 0.0532 |

**Appendix D11. WT-IVR Complex**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Active Closure (Sep., 2039 to Aug., 2044): Min | 0.00000419 | 2.04 | 0.00218 | 3.01 | 0.041 | 0.00154 | 1.35 | 0.0103 | 0.00493 | 0.0000499 | 0.000247 | 0.000125 | 0.0701 | 0.00000632 | 0.000233 | 0.000453 | 0.00186 | 0.000686 |
| Active Closure (Sep., 2039 to Aug., 2044)): Average | 0.00000428 | 2.12 | 0.00226 | 3.2 | 0.0441 | 0.0017 | 1.4 | 0.0114 | 0.00507 | 0.0000523 | 0.000269 | 0.000137 | 0.073 | 0.00000644 | 0.000248 | 0.000477 | 0.00188 | 0.00082 |
| Active Closure (Sep., 2039 to Aug., 2044)): Max | 0.00000441 | 2.23 | 0.00237 | 3.43 | 0.0478 | 0.00187 | 1.48 | 0.0126 | 0.00531 | 0.0000552 | 0.000293 | 0.00015 | 0.0772 | 0.00000665 | 0.000264 | 0.000507 | 0.00194 | 0.000967 |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Sep 2039-Aug 2044) | | | | | | | | | | | | | | | | | | |
| 2039 Sep | 0.0000044 | 2.23 | 0.00237 | 3.43 | 0.0478 | 0.00187 | 1.48 | 0.0126 | 0.00531 | 0.0000552 | 0.000293 | 0.00015 | 0.0772 | 0.00000665 | 0.000263 | 0.000507 | 0.00193 | 0.000967 |
| 2039 Oct | 0.00000441 | 2.23 | 0.00237 | 3.42 | 0.0477 | 0.00187 | 1.48 | 0.0126 | 0.0053 | 0.0000551 | 0.000293 | 0.000149 | 0.0771 | 0.00000665 | 0.000264 | 0.000507 | 0.00194 | 0.000964 |
| 2039 Nov | 0.00000441 | 2.23 | 0.00237 | 3.42 | 0.0476 | 0.00187 | 1.48 | 0.0126 | 0.0053 | 0.0000551 | 0.000292 | 0.000149 | 0.077 | 0.00000665 | 0.000264 | 0.000507 | 0.00194 | 0.000962 |
| 2039 Dec | 0.0000044 | 2.22 | 0.00236 | 3.41 | 0.0475 | 0.00186 | 1.47 | 0.0125 | 0.00529 | 0.000055 | 0.000292 | 0.000149 | 0.0769 | 0.00000664 | 0.000263 | 0.000506 | 0.00193 | 0.000959 |
| 2040 Jan | 0.00000439 | 2.22 | 0.00236 | 3.4 | 0.0474 | 0.00186 | 1.47 | 0.0125 | 0.00527 | 0.0000549 | 0.000291 | 0.000148 | 0.0767 | 0.00000662 | 0.000263 | 0.000505 | 0.00193 | 0.000957 |
| 2040 Feb | 0.00000438 | 2.21 | 0.00235 | 3.4 | 0.0473 | 0.00185 | 1.47 | 0.0125 | 0.00526 | 0.0000547 | 0.000291 | 0.000148 | 0.0765 | 0.00000661 | 0.000262 | 0.000503 | 0.00192 | 0.000955 |
| 2040 Mar | 0.00000437 | 2.21 | 0.00235 | 3.39 | 0.0472 | 0.00185 | 1.46 | 0.0125 | 0.00525 | 0.0000546 | 0.00029 | 0.000148 | 0.0763 | 0.00000659 | 0.000262 | 0.000502 | 0.00192 | 0.000953 |
| 2040 Apr | 0.00000436 | 2.2 | 0.00234 | 3.38 | 0.0471 | 0.00184 | 1.46 | 0.0124 | 0.00524 | 0.0000545 | 0.000289 | 0.000147 | 0.0762 | 0.00000658 | 0.000261 | 0.000501 | 0.00191 | 0.000951 |
| 2040 May | 0.00000436 | 2.2 | 0.00234 | 3.37 | 0.047 | 0.00184 | 1.46 | 0.0124 | 0.00523 | 0.0000544 | 0.000289 | 0.000147 | 0.076 | 0.00000657 | 0.000261 | 0.0005 | 0.00191 | 0.000949 |
| 2040 Jun | 0.00000437 | 2.19 | 0.00233 | 3.36 | 0.0467 | 0.00184 | 1.45 | 0.0124 | 0.0052 | 0.0000542 | 0.000288 | 0.000147 | 0.0755 | 0.00000657 | 0.00026 | 0.000499 | 0.00191 | 0.000933 |
| 2040 Jul | 0.00000435 | 2.18 | 0.00232 | 3.34 | 0.0463 | 0.00181 | 1.44 | 0.0122 | 0.00519 | 0.0000539 | 0.000285 | 0.000145 | 0.0752 | 0.00000655 | 0.000258 | 0.000495 | 0.00191 | 0.000913 |
| 2040 Aug | 0.00000433 | 2.17 | 0.00231 | 3.32 | 0.046 | 0.0018 | 1.44 | 0.0121 | 0.00518 | 0.0000538 | 0.000282 | 0.000144 | 0.075 | 0.00000654 | 0.000256 | 0.000492 | 0.0019 | 0.000898 |
| 2040 Sep | 0.00000433 | 2.17 | 0.00231 | 3.31 | 0.0458 | 0.00179 | 1.44 | 0.0121 | 0.00517 | 0.0000537 | 0.000281 | 0.000143 | 0.0749 | 0.00000653 | 0.000255 | 0.000491 | 0.0019 | 0.00089 |
| 2040 Oct | 0.00000434 | 2.17 | 0.00231 | 3.31 | 0.0458 | 0.00179 | 1.44 | 0.012 | 0.00517 | 0.0000537 | 0.000281 | 0.000143 | 0.0748 | 0.00000654 | 0.000256 | 0.000492 | 0.00191 | 0.000888 |
| 2040 Nov | 0.00000435 | 2.17 | 0.00231 | 3.31 | 0.0458 | 0.00179 | 1.44 | 0.012 | 0.00517 | 0.0000537 | 0.000281 | 0.000143 | 0.0747 | 0.00000654 | 0.000256 | 0.000492 | 0.00191 | 0.000887 |
| 2040 Dec | 0.00000434 | 2.16 | 0.0023 | 3.3 | 0.0457 | 0.00178 | 1.43 | 0.012 | 0.00516 | 0.0000536 | 0.000281 | 0.000143 | 0.0746 | 0.00000653 | 0.000256 | 0.000491 | 0.0019 | 0.000885 |
| 2041 Jan | 0.00000433 | 2.16 | 0.0023 | 3.29 | 0.0456 | 0.00178 | 1.43 | 0.012 | 0.00515 | 0.0000535 | 0.00028 | 0.000143 | 0.0745 | 0.00000651 | 0.000255 | 0.00049 | 0.0019 | 0.000884 |
| 2041 Feb | 0.00000432 | 2.16 | 0.00229 | 3.29 | 0.0455 | 0.00178 | 1.43 | 0.012 | 0.00514 | 0.0000534 | 0.00028 | 0.000142 | 0.0743 | 0.0000065 | 0.000255 | 0.000489 | 0.0019 | 0.000882 |
| 2041 Mar | 0.00000432 | 2.15 | 0.00229 | 3.28 | 0.0454 | 0.00177 | 1.43 | 0.0119 | 0.00513 | 0.0000533 | 0.000279 | 0.000142 | 0.0742 | 0.00000649 | 0.000254 | 0.000488 | 0.00189 | 0.00088 |
| 2041 Apr | 0.00000431 | 2.15 | 0.00229 | 3.28 | 0.0454 | 0.00177 | 1.42 | 0.0119 | 0.00512 | 0.0000532 | 0.000279 | 0.000142 | 0.0741 | 0.00000648 | 0.000254 | 0.000487 | 0.00189 | 0.000879 |
| 2041 May | 0.00000431 | 2.15 | 0.00228 | 3.27 | 0.0453 | 0.00177 | 1.42 | 0.0119 | 0.00511 | 0.0000531 | 0.000278 | 0.000142 | 0.074 | 0.00000647 | 0.000254 | 0.000487 | 0.00189 | 0.000877 |
| 2041 Jun | 0.00000431 | 2.14 | 0.00228 | 3.26 | 0.0451 | 0.00176 | 1.42 | 0.0118 | 0.0051 | 0.000053 | 0.000277 | 0.000141 | 0.0738 | 0.00000647 | 0.000253 | 0.000486 | 0.00189 | 0.000868 |
| 2041 Jul | 0.00000429 | 2.13 | 0.00227 | 3.24 | 0.0447 | 0.00174 | 1.41 | 0.0117 | 0.00509 | 0.0000527 | 0.000274 | 0.00014 | 0.0734 | 0.00000645 | 0.000251 | 0.000482 | 0.00188 | 0.00085 |
| 2041 Aug | 0.00000427 | 2.12 | 0.00226 | 3.22 | 0.0444 | 0.00172 | 1.41 | 0.0116 | 0.00508 | 0.0000525 | 0.000271 | 0.000138 | 0.0732 | 0.00000644 | 0.000249 | 0.000479 | 0.00188 | 0.000834 |
| 2041 Sep | 0.00000427 | 2.12 | 0.00226 | 3.22 | 0.0443 | 0.00172 | 1.41 | 0.0116 | 0.00508 | 0.0000524 | 0.000271 | 0.000138 | 0.0731 | 0.00000644 | 0.000248 | 0.000478 | 0.00188 | 0.000829 |
| 2041 Oct | 0.00000427 | 2.12 | 0.00226 | 3.21 | 0.0442 | 0.00171 | 1.4 | 0.0115 | 0.00507 | 0.0000523 | 0.00027 | 0.000137 | 0.073 | 0.00000643 | 0.000248 | 0.000477 | 0.00188 | 0.000824 |
| 2041 Nov | 0.00000427 | 2.12 | 0.00226 | 3.21 | 0.0442 | 0.00171 | 1.4 | 0.0115 | 0.00507 | 0.0000523 | 0.00027 | 0.000137 | 0.0729 | 0.00000643 | 0.000248 | 0.000477 | 0.00188 | 0.000823 |
| 2041 Dec | 0.00000428 | 2.12 | 0.00226 | 3.2 | 0.0441 | 0.00171 | 1.4 | 0.0115 | 0.00507 | 0.0000523 | 0.00027 | 0.000137 | 0.0729 | 0.00000644 | 0.000248 | 0.000477 | 0.00188 | 0.000822 |
| 2042 Jan | 0.00000428 | 2.12 | 0.00225 | 3.2 | 0.0441 | 0.00171 | 1.4 | 0.0115 | 0.00506 | 0.0000523 | 0.00027 | 0.000137 | 0.0729 | 0.00000644 | 0.000248 | 0.000477 | 0.00188 | 0.000821 |
| 2042 Feb | 0.00000428 | 2.12 | 0.00225 | 3.2 | 0.0441 | 0.00171 | 1.4 | 0.0115 | 0.00506 | 0.0000522 | 0.00027 | 0.000137 | 0.0728 | 0.00000643 | 0.000248 | 0.000477 | 0.00188 | 0.00082 |
| 2042 Mar | 0.00000427 | 2.12 | 0.00225 | 3.2 | 0.044 | 0.0017 | 1.4 | 0.0114 | 0.00506 | 0.0000522 | 0.000269 | 0.000137 | 0.0727 | 0.00000643 | 0.000248 | 0.000477 | 0.00188 | 0.000819 |
| 2042 Apr | 0.00000427 | 2.11 | 0.00225 | 3.19 | 0.044 | 0.0017 | 1.4 | 0.0114 | 0.00505 | 0.0000521 | 0.000269 | 0.000137 | 0.0726 | 0.00000642 | 0.000248 | 0.000476 | 0.00187 | 0.000818 |
| 2042 May | 0.00000427 | 2.11 | 0.00225 | 3.19 | 0.0439 | 0.0017 | 1.4 | 0.0114 | 0.00504 | 0.0000521 | 0.000269 | 0.000137 | 0.0726 | 0.00000642 | 0.000248 | 0.000476 | 0.00187 | 0.000817 |
| 2042 Jun | 0.00000427 | 2.11 | 0.00224 | 3.18 | 0.0438 | 0.0017 | 1.39 | 0.0114 | 0.00504 | 0.0000519 | 0.000268 | 0.000136 | 0.0724 | 0.00000642 | 0.000247 | 0.000475 | 0.00187 | 0.000809 |
| 2042 Jul | 0.00000425 | 2.1 | 0.00223 | 3.16 | 0.0434 | 0.00168 | 1.39 | 0.0113 | 0.00502 | 0.0000516 | 0.000265 | 0.000135 | 0.0721 | 0.0000064 | 0.000245 | 0.000472 | 0.00187 | 0.000793 |
| 2042 Aug | 0.00000423 | 2.09 | 0.00223 | 3.14 | 0.0431 | 0.00166 | 1.38 | 0.0111 | 0.00501 | 0.0000513 | 0.000262 | 0.000133 | 0.0719 | 0.00000638 | 0.000243 | 0.000468 | 0.00187 | 0.000778 |
| 2042 Sep | 0.00000422 | 2.08 | 0.00222 | 3.13 | 0.0429 | 0.00164 | 1.38 | 0.011 | 0.00501 | 0.0000511 | 0.00026 | 0.000132 | 0.0717 | 0.00000637 | 0.000241 | 0.000466 | 0.00186 | 0.000768 |
| 2042 Oct | 0.00000421 | 2.08 | 0.00222 | 3.12 | 0.0427 | 0.00164 | 1.38 | 0.011 | 0.005 | 0.0000512 | 0.000259 | 0.000132 | 0.0715 | 0.00000636 | 0.00024 | 0.000465 | 0.00186 | 0.000761 |
| 2042 Nov | 0.00000422 | 2.08 | 0.00222 | 3.12 | 0.0427 | 0.00164 | 1.38 | 0.011 | 0.00499 | 0.0000512 | 0.000259 | 0.000132 | 0.0715 | 0.00000636 | 0.000241 | 0.000465 | 0.00186 | 0.00076 |
| 2042 Dec | 0.00000422 | 2.08 | 0.00222 | 3.11 | 0.0427 | 0.00164 | 1.38 | 0.011 | 0.00499 | 0.0000512 | 0.000259 | 0.000132 | 0.0714 | 0.00000637 | 0.000241 | 0.000465 | 0.00186 | 0.00076 |
| 2043 Jan | 0.00000422 | 2.08 | 0.00221 | 3.11 | 0.0426 | 0.00163 | 1.38 | 0.011 | 0.00499 | 0.0000512 | 0.000259 | 0.000131 | 0.0714 | 0.00000637 | 0.000241 | 0.000465 | 0.00186 | 0.000759 |
| 2043 Feb | 0.00000422 | 2.08 | 0.00221 | 3.11 | 0.0426 | 0.00163 | 1.38 | 0.011 | 0.00499 | 0.0000512 | 0.000259 | 0.000131 | 0.0714 | 0.00000637 | 0.000241 | 0.000465 | 0.00186 | 0.000759 |
| 2043 Mar | 0.00000422 | 2.08 | 0.00221 | 3.11 | 0.0426 | 0.00163 | 1.37 | 0.011 | 0.00499 | 0.0000512 | 0.000259 | 0.000131 | 0.0714 | 0.00000637 | 0.000241 | 0.000465 | 0.00186 | 0.000758 |
| 2043 Apr | 0.00000423 | 2.08 | 0.00221 | 3.11 | 0.0426 | 0.00163 | 1.37 | 0.0109 | 0.00499 | 0.0000512 | 0.000259 | 0.000131 | 0.0714 | 0.00000637 | 0.000241 | 0.000465 | 0.00186 | 0.000758 |
| 2043 May | 0.00000423 | 2.08 | 0.00221 | 3.11 | 0.0426 | 0.00163 | 1.37 | 0.0109 | 0.00499 | 0.0000512 | 0.000259 | 0.000131 | 0.0714 | 0.00000637 | 0.000241 | 0.000465 | 0.00186 | 0.000757 |
| 2043 Jun | 0.00000423 | 2.07 | 0.00221 | 3.1 | 0.0424 | 0.00163 | 1.37 | 0.0109 | 0.00497 | 0.000051 | 0.000259 | 0.000131 | 0.0711 | 0.00000637 | 0.000241 | 0.000464 | 0.00186 | 0.000748 |
| 2043 Jul | 0.00000421 | 2.07 | 0.0022 | 3.08 | 0.0421 | 0.00161 | 1.37 | 0.0108 | 0.00497 | 0.0000508 | 0.000256 | 0.00013 | 0.0709 | 0.00000636 | 0.000239 | 0.000462 | 0.00186 | 0.000736 |
| 2043 Aug | 0.0000042 | 2.06 | 0.0022 | 3.06 | 0.0418 | 0.00159 | 1.36 | 0.0106 | 0.00496 | 0.0000506 | 0.000253 | 0.000128 | 0.0708 | 0.00000634 | 0.000237 | 0.000459 | 0.00186 | 0.000724 |
| 2043 Sep | 0.00000419 | 2.06 | 0.0022 | 3.05 | 0.0417 | 0.00158 | 1.36 | 0.0106 | 0.00496 | 0.0000505 | 0.000252 | 0.000127 | 0.0707 | 0.00000634 | 0.000236 | 0.000458 | 0.00186 | 0.000717 |
| 2043 Oct | 0.00000419 | 2.06 | 0.00219 | 3.05 | 0.0417 | 0.00158 | 1.36 | 0.0106 | 0.00496 | 0.0000505 | 0.000252 | 0.000127 | 0.0706 | 0.00000634 | 0.000236 | 0.000458 | 0.00186 | 0.000716 |
| 2043 Nov | 0.00000419 | 2.06 | 0.00219 | 3.05 | 0.0416 | 0.00158 | 1.36 | 0.0106 | 0.00496 | 0.0000505 | 0.000252 | 0.000127 | 0.0706 | 0.00000634 | 0.000236 | 0.000458 | 0.00186 | 0.000715 |
| 2043 Dec | 0.0000042 | 2.06 | 0.00219 | 3.05 | 0.0416 | 0.00158 | 1.36 | 0.0106 | 0.00495 | 0.0000504 | 0.000252 | 0.000127 | 0.0706 | 0.00000634 | 0.000236 | 0.000458 | 0.00186 | 0.000715 |
| 2044 Jan | 0.0000042 | 2.06 | 0.00219 | 3.05 | 0.0416 | 0.00158 | 1.36 | 0.0106 | 0.00495 | 0.0000504 | 0.000252 | 0.000127 | 0.0706 | 0.00000634 | 0.000236 | 0.000458 | 0.00186 | 0.000715 |
| 2044 Feb | 0.0000042 | 2.06 | 0.00219 | 3.05 | 0.0416 | 0.00158 | 1.36 | 0.0106 | 0.00495 | 0.0000504 | 0.000252 | 0.000127 | 0.0706 | 0.00000634 | 0.000236 | 0.000458 | 0.00186 | 0.000715 |
| 2044 Mar | 0.0000042 | 2.06 | 0.00219 | 3.05 | 0.0416 | 0.00158 | 1.36 | 0.0106 | 0.00495 | 0.0000504 | 0.000252 | 0.000127 | 0.0706 | 0.00000634 | 0.000236 | 0.000458 | 0.00186 | 0.000714 |
| 2044 Apr | 0.0000042 | 2.06 | 0.00219 | 3.05 | 0.0416 | 0.00158 | 1.36 | 0.0105 | 0.00495 | 0.0000504 | 0.000252 | 0.000127 | 0.0705 | 0.00000634 | 0.000236 | 0.000458 | 0.00186 | 0.000714 |
| 2044 May | 0.0000042 | 2.06 | 0.00219 | 3.05 | 0.0416 | 0.00158 | 1.36 | 0.0105 | 0.00495 | 0.0000504 | 0.000252 | 0.000127 | 0.0705 | 0.00000634 | 0.000237 | 0.000458 | 0.00186 | 0.000714 |
| 2044 Jun | 0.00000421 | 2.05 | 0.00219 | 3.04 | 0.0414 | 0.00157 | 1.36 | 0.0105 | 0.00494 | 0.0000503 | 0.000251 | 0.000127 | 0.0703 | 0.00000634 | 0.000236 | 0.000457 | 0.00186 | 0.000705 |
| 2044 Jul | 0.0000042 | 2.05 | 0.00218 | 3.02 | 0.0411 | 0.00155 | 1.35 | 0.0104 | 0.00493 | 0.00005 | 0.000249 | 0.000125 | 0.0701 | 0.00000633 | 0.000235 | 0.000455 | 0.00186 | 0.000693 |
| 2044 Aug | 0.00000419 | 2.04 | 0.00218 | 3.01 | 0.041 | 0.00154 | 1.35 | 0.0103 | 0.00493 | 0.0000499 | 0.000247 | 0.000125 | 0.0701 | 0.00000632 | 0.000233 | 0.000453 | 0.00186 | 0.000686 |

**Appendix D12. WT North Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Active Closure (Sep., 2044 to Jun., 2046): Min | 79.7 | 0.00045 | 0.166 | 0.000604 | 13.1 | 0.0611 | 21.2 | 0.00000622 | 0.0133 | 0.0238 | 0.00627 | 0.0192 | 0.0000142 | 13.6 | 0.00000752 | 0.000154 | 0.000219 | 0.000974 | 0.0522 |
| Active Closure (Sep., 2044 to Jun., 2046): Average | 80.5 | 0.000846 | 0.169 | 0.000606 | 13.2 | 0.0612 | 21.7 | 0.00000623 | 0.0134 | 0.0244 | 0.00629 | 0.0193 | 0.0000143 | 13.8 | 0.00000764 | 0.000156 | 0.00022 | 0.000977 | 0.0526 |
| Active Closure (Sep., 2044 to Jun., 2046): Max | 81.1 | 0.000891 | 0.171 | 0.000607 | 13.3 | 0.0612 | 22 | 0.00000623 | 0.0135 | 0.0249 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.00000773 | 0.000157 | 0.000221 | 0.00098 | 0.0529 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 60.1 | 0.0000523 | 0.104 | 0.000524 | 11.4 | 0.0521 | 10.1 | 0.0000056 | 0.0117 | 0.00884 | 0.00554 | 0.016 | 0.0000116 | 9.38 | 0.00000444 | 0.0000969 | 0.000195 | 0.000732 | 0.044 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 67.8 | 0.000555 | 0.128 | 0.000556 | 12.1 | 0.0557 | 14.4 | 0.00000585 | 0.0124 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11 | 0.00000562 | 0.000119 | 0.000205 | 0.000825 | 0.0472 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 79.3 | 0.000976 | 0.166 | 0.000604 | 13.1 | 0.061 | 21 | 0.00000621 | 0.0135 | 0.0235 | 0.00626 | 0.0191 | 0.0000141 | 13.5 | 0.00000745 | 0.000153 | 0.000219 | 0.000969 | 0.0521 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Sep 2044-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2044 Sep | 81.1 | 0.000826 | 0.171 | 0.000607 | 13.3 | 0.0612 | 22 | 0.00000623 | 0.0133 | 0.0249 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.00000773 | 0.000157 | 0.000221 | 0.00098 | 0.0529 |
| 2044 Oct | 80.9 | 0.000831 | 0.17 | 0.000607 | 13.2 | 0.0611 | 22 | 0.00000623 | 0.0133 | 0.0248 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.00000771 | 0.000157 | 0.000221 | 0.000979 | 0.0528 |
| 2044 Nov | 80.9 | 0.000832 | 0.17 | 0.000607 | 13.2 | 0.0611 | 22 | 0.00000623 | 0.0133 | 0.0248 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.00000771 | 0.000157 | 0.000221 | 0.000979 | 0.0528 |
| 2044 Dec | 80.9 | 0.000832 | 0.17 | 0.000607 | 13.2 | 0.0611 | 22 | 0.00000623 | 0.0133 | 0.0248 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.00000771 | 0.000157 | 0.000221 | 0.000979 | 0.0528 |
| 2045 Jan | 80.9 | 0.000833 | 0.17 | 0.000607 | 13.2 | 0.0611 | 22 | 0.00000623 | 0.0133 | 0.0248 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.00000771 | 0.000157 | 0.000221 | 0.000978 | 0.0528 |
| 2045 Feb | 80.9 | 0.000834 | 0.17 | 0.000607 | 13.2 | 0.0611 | 22 | 0.00000623 | 0.0133 | 0.0248 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.00000771 | 0.000157 | 0.000221 | 0.000978 | 0.0528 |
| 2045 Mar | 80.9 | 0.000834 | 0.17 | 0.000607 | 13.2 | 0.0611 | 22 | 0.00000623 | 0.0133 | 0.0248 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.0000077 | 0.000157 | 0.000221 | 0.000978 | 0.0528 |
| 2045 Apr | 80.9 | 0.000835 | 0.17 | 0.000607 | 13.2 | 0.0611 | 22 | 0.00000623 | 0.0133 | 0.0248 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.0000077 | 0.000157 | 0.000221 | 0.000978 | 0.0528 |
| 2045 May | 80.9 | 0.000838 | 0.17 | 0.000607 | 13.2 | 0.0611 | 21.9 | 0.00000623 | 0.0133 | 0.0248 | 0.0063 | 0.0193 | 0.0000143 | 13.9 | 0.0000077 | 0.000157 | 0.000221 | 0.000978 | 0.0528 |
| 2045 Jun | 80.5 | 0.000875 | 0.169 | 0.000606 | 13.2 | 0.0612 | 21.8 | 0.00000623 | 0.0134 | 0.0246 | 0.00629 | 0.0193 | 0.0000143 | 13.8 | 0.00000766 | 0.000156 | 0.00022 | 0.000979 | 0.0526 |
| 2045 Jul | 80.2 | 0.000889 | 0.168 | 0.000605 | 13.2 | 0.0612 | 21.6 | 0.00000622 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.0000076 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2045 Aug | 80.2 | 0.000888 | 0.168 | 0.000605 | 13.2 | 0.0612 | 21.5 | 0.00000622 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2045 Sep | 80.2 | 0.00089 | 0.168 | 0.000605 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2045 Oct | 80.2 | 0.000891 | 0.168 | 0.000605 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2045 Nov | 80.2 | 0.000891 | 0.168 | 0.000606 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2045 Dec | 80.2 | 0.000891 | 0.168 | 0.000605 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2046 Jan | 80.2 | 0.000891 | 0.168 | 0.000605 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2046 Feb | 80.2 | 0.000891 | 0.168 | 0.000605 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2046 Mar | 80.2 | 0.000891 | 0.168 | 0.000606 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2046 Apr | 80.2 | 0.000891 | 0.168 | 0.000606 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0134 | 0.0242 | 0.00628 | 0.0192 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000976 | 0.0525 |
| 2046 May | 80.2 | 0.000891 | 0.168 | 0.000606 | 13.2 | 0.0612 | 21.5 | 0.00000623 | 0.0135 | 0.0242 | 0.00629 | 0.0193 | 0.0000143 | 13.7 | 0.00000759 | 0.000155 | 0.00022 | 0.000977 | 0.0525 |
| 2046 Jun | 79.7 | 0.00045 | 0.166 | 0.000604 | 13.1 | 0.0612 | 21.2 | 0.00000622 | 0.0135 | 0.0238 | 0.00627 | 0.0192 | 0.0000142 | 13.6 | 0.00000752 | 0.000154 | 0.000219 | 0.000974 | 0.0522 |
| 2046 Jul | 79.3 | 0.0000523 | 0.166 | 0.000603 | 13.1 | 0.061 | 21 | 0.0000062 | 0.0135 | 0.0235 | 0.00625 | 0.0191 | 0.0000141 | 13.5 | 0.00000745 | 0.000153 | 0.000219 | 0.000969 | 0.0521 |
| 2046 Aug | 79.3 | 0.0000545 | 0.165 | 0.000604 | 13.1 | 0.061 | 21 | 0.00000621 | 0.0135 | 0.0235 | 0.00626 | 0.0191 | 0.0000141 | 13.5 | 0.00000745 | 0.000153 | 0.000219 | 0.000969 | 0.0521 |
| 2046 Sep | 79.1 | 0.0000643 | 0.165 | 0.000603 | 13.1 | 0.0609 | 20.9 | 0.0000062 | 0.0135 | 0.0233 | 0.00625 | 0.0191 | 0.0000141 | 13.5 | 0.00000742 | 0.000152 | 0.000219 | 0.000967 | 0.052 |
| 2046 Oct | 78.9 | 0.0000728 | 0.164 | 0.000602 | 13.1 | 0.0608 | 20.8 | 0.00000619 | 0.0134 | 0.0232 | 0.00624 | 0.0191 | 0.0000141 | 13.4 | 0.00000739 | 0.000152 | 0.000218 | 0.000965 | 0.0519 |
| 2046 Nov | 78.9 | 0.0000734 | 0.164 | 0.000602 | 13.1 | 0.0608 | 20.8 | 0.00000619 | 0.0134 | 0.0232 | 0.00624 | 0.0191 | 0.0000141 | 13.4 | 0.00000739 | 0.000152 | 0.000218 | 0.000965 | 0.0519 |
| 2046 Dec | 78.9 | 0.0000735 | 0.164 | 0.000602 | 13.1 | 0.0608 | 20.8 | 0.00000619 | 0.0134 | 0.0232 | 0.00624 | 0.0191 | 0.0000141 | 13.4 | 0.00000739 | 0.000152 | 0.000218 | 0.000965 | 0.0519 |
| 2047 Jan | 78.9 | 0.0000735 | 0.164 | 0.000602 | 13.1 | 0.0608 | 20.8 | 0.00000619 | 0.0134 | 0.0232 | 0.00624 | 0.0191 | 0.0000141 | 13.4 | 0.00000739 | 0.000152 | 0.000218 | 0.000965 | 0.0519 |
| 2047 Feb | 78.9 | 0.0000736 | 0.164 | 0.000602 | 13.1 | 0.0608 | 20.8 | 0.00000619 | 0.0134 | 0.0232 | 0.00624 | 0.0191 | 0.0000141 | 13.4 | 0.00000739 | 0.000152 | 0.000218 | 0.000965 | 0.0519 |
| 2047 Mar | 78.9 | 0.0000736 | 0.164 | 0.000602 | 13.1 | 0.0608 | 20.8 | 0.00000619 | 0.0134 | 0.0232 | 0.00624 | 0.0191 | 0.0000141 | 13.4 | 0.00000739 | 0.000152 | 0.000218 | 0.000965 | 0.0519 |
| 2047 Apr | 78.9 | 0.0000736 | 0.164 | 0.000602 | 13.1 | 0.0608 | 20.8 | 0.00000619 | 0.0134 | 0.0232 | 0.00624 | 0.0191 | 0.0000141 | 13.4 | 0.00000739 | 0.000152 | 0.000218 | 0.000965 | 0.0519 |
| 2047 May | 78.8 | 0.000102 | 0.164 | 0.000601 | 13.1 | 0.0608 | 20.7 | 0.00000619 | 0.0134 | 0.0231 | 0.00624 | 0.0191 | 0.0000141 | 13.4 | 0.00000737 | 0.000151 | 0.000218 | 0.000963 | 0.0519 |
| 2047 Jun | 78 | 0.000327 | 0.161 | 0.000598 | 13 | 0.0604 | 20.3 | 0.00000616 | 0.0133 | 0.0225 | 0.0062 | 0.0189 | 0.000014 | 13.2 | 0.00000724 | 0.000149 | 0.000217 | 0.000953 | 0.0515 |
| 2047 Jul | 78 | 0.000336 | 0.161 | 0.000599 | 13 | 0.0604 | 20.3 | 0.00000617 | 0.0133 | 0.0225 | 0.00621 | 0.0189 | 0.000014 | 13.3 | 0.00000724 | 0.000149 | 0.000217 | 0.000953 | 0.0516 |
| 2047 Aug | 78 | 0.000337 | 0.161 | 0.000599 | 13 | 0.0605 | 20.3 | 0.00000617 | 0.0134 | 0.0225 | 0.00621 | 0.0189 | 0.000014 | 13.3 | 0.00000725 | 0.000149 | 0.000218 | 0.000954 | 0.0516 |
| 2047 Sep | 77.9 | 0.000342 | 0.161 | 0.000599 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000723 | 0.000149 | 0.000217 | 0.000952 | 0.0515 |
| 2047 Oct | 77.9 | 0.000345 | 0.161 | 0.000598 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000722 | 0.000149 | 0.000217 | 0.000951 | 0.0515 |
| 2047 Nov | 77.9 | 0.000345 | 0.161 | 0.000598 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000722 | 0.000149 | 0.000217 | 0.000951 | 0.0515 |
| 2047 Dec | 77.9 | 0.000345 | 0.161 | 0.000598 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000722 | 0.000149 | 0.000217 | 0.000951 | 0.0515 |
| 2048 Jan | 77.9 | 0.000345 | 0.161 | 0.000598 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000722 | 0.000149 | 0.000217 | 0.000951 | 0.0515 |
| 2048 Feb | 77.9 | 0.000345 | 0.161 | 0.000598 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000722 | 0.000149 | 0.000217 | 0.000951 | 0.0515 |
| 2048 Mar | 77.9 | 0.000345 | 0.161 | 0.000598 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000722 | 0.000149 | 0.000217 | 0.000951 | 0.0515 |
| 2048 Apr | 77.9 | 0.000345 | 0.161 | 0.000598 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000722 | 0.000149 | 0.000217 | 0.000951 | 0.0515 |
| 2048 May | 77.9 | 0.000346 | 0.161 | 0.000598 | 13 | 0.0604 | 20.2 | 0.00000617 | 0.0133 | 0.0224 | 0.00621 | 0.0189 | 0.000014 | 13.2 | 0.00000722 | 0.000149 | 0.000217 | 0.000952 | 0.0515 |
| 2048 Jun | 77 | 0.000509 | 0.158 | 0.000595 | 12.9 | 0.06 | 19.7 | 0.00000614 | 0.0133 | 0.0217 | 0.00617 | 0.0188 | 0.0000139 | 13 | 0.00000708 | 0.000146 | 0.000216 | 0.000941 | 0.0512 |
| 2048 Jul | 76.4 | 0.000612 | 0.156 | 0.000592 | 12.9 | 0.0597 | 19.3 | 0.00000612 | 0.0132 | 0.0213 | 0.00615 | 0.0187 | 0.0000138 | 12.9 | 0.00000698 | 0.000144 | 0.000216 | 0.000933 | 0.0509 |
| 2048 Aug | 76.5 | 0.000614 | 0.156 | 0.000593 | 12.9 | 0.0597 | 19.3 | 0.00000612 | 0.0132 | 0.0212 | 0.00615 | 0.0187 | 0.0000138 | 12.9 | 0.00000699 | 0.000144 | 0.000216 | 0.000933 | 0.0509 |
| 2048 Sep | 76.5 | 0.000615 | 0.156 | 0.000593 | 12.9 | 0.0598 | 19.3 | 0.00000613 | 0.0132 | 0.0212 | 0.00616 | 0.0187 | 0.0000138 | 12.9 | 0.00000699 | 0.000144 | 0.000216 | 0.000933 | 0.0509 |
| 2048 Oct | 76.3 | 0.000621 | 0.155 | 0.000592 | 12.9 | 0.0597 | 19.3 | 0.00000612 | 0.0132 | 0.0211 | 0.00615 | 0.0187 | 0.0000138 | 12.9 | 0.00000696 | 0.000144 | 0.000216 | 0.000932 | 0.0509 |
| 2048 Nov | 76.3 | 0.000626 | 0.155 | 0.000592 | 12.9 | 0.0597 | 19.2 | 0.00000612 | 0.0132 | 0.0211 | 0.00615 | 0.0187 | 0.0000137 | 12.9 | 0.00000695 | 0.000144 | 0.000216 | 0.000931 | 0.0508 |
| 2048 Dec | 76.2 | 0.000627 | 0.155 | 0.000592 | 12.9 | 0.0597 | 19.2 | 0.00000612 | 0.0132 | 0.0211 | 0.00615 | 0.0187 | 0.0000137 | 12.9 | 0.00000695 | 0.000144 | 0.000216 | 0.000931 | 0.0508 |
| 2049 Jan | 76.2 | 0.000627 | 0.155 | 0.000592 | 12.9 | 0.0597 | 19.2 | 0.00000612 | 0.0132 | 0.0211 | 0.00615 | 0.0187 | 0.0000137 | 12.9 | 0.00000695 | 0.000144 | 0.000216 | 0.000931 | 0.0508 |

**Appendix D12. WT North Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Feb | 76.2 | 0.000627 | 0.155 | 0.000592 | 12.9 | 0.0597 | 19.2 | 0.00000612 | 0.0132 | 0.0211 | 0.00615 | 0.0187 | 0.0000137 | 12.9 | 0.00000695 | 0.000144 | 0.000216 | 0.000931 | 0.0508 |
| 2049 Mar | 76.2 | 0.000627 | 0.155 | 0.000592 | 12.9 | 0.0597 | 19.2 | 0.00000612 | 0.0132 | 0.0211 | 0.00615 | 0.0187 | 0.0000137 | 12.9 | 0.00000695 | 0.000144 | 0.000216 | 0.000931 | 0.0508 |
| 2049 Apr | 76.2 | 0.000627 | 0.155 | 0.000592 | 12.9 | 0.0597 | 19.2 | 0.00000612 | 0.0132 | 0.0211 | 0.00615 | 0.0187 | 0.0000137 | 12.9 | 0.00000695 | 0.000144 | 0.000216 | 0.000931 | 0.0508 |
| 2049 May | 76.3 | 0.000628 | 0.155 | 0.000592 | 12.9 | 0.0597 | 19.2 | 0.00000612 | 0.0132 | 0.0211 | 0.00615 | 0.0187 | 0.0000138 | 12.9 | 0.00000696 | 0.000144 | 0.000216 | 0.000931 | 0.0509 |
| 2049 Jun | 75.5 | 0.000763 | 0.153 | 0.000588 | 12.8 | 0.0593 | 18.8 | 0.00000609 | 0.0131 | 0.0205 | 0.00612 | 0.0185 | 0.0000136 | 12.7 | 0.00000683 | 0.000142 | 0.000215 | 0.000921 | 0.0505 |
| 2049 Jul | 75 | 0.000825 | 0.151 | 0.000586 | 12.8 | 0.0591 | 18.5 | 0.00000608 | 0.0131 | 0.0201 | 0.0061 | 0.0184 | 0.0000136 | 12.6 | 0.00000675 | 0.00014 | 0.000214 | 0.000914 | 0.0503 |
| 2049 Aug | 75 | 0.000825 | 0.151 | 0.000586 | 12.8 | 0.0591 | 18.5 | 0.00000608 | 0.0131 | 0.0201 | 0.0061 | 0.0184 | 0.0000136 | 12.6 | 0.00000675 | 0.00014 | 0.000214 | 0.000914 | 0.0503 |
| 2049 Sep | 74.8 | 0.000828 | 0.151 | 0.000586 | 12.7 | 0.059 | 18.4 | 0.00000607 | 0.013 | 0.02 | 0.00609 | 0.0184 | 0.0000136 | 12.6 | 0.00000673 | 0.00014 | 0.000214 | 0.000912 | 0.0502 |
| 2049 Oct | 74.7 | 0.00083 | 0.15 | 0.000585 | 12.7 | 0.059 | 18.4 | 0.00000607 | 0.013 | 0.0199 | 0.00609 | 0.0184 | 0.0000135 | 12.5 | 0.00000671 | 0.000139 | 0.000214 | 0.000911 | 0.0502 |
| 2049 Nov | 74.7 | 0.00083 | 0.15 | 0.000585 | 12.7 | 0.0589 | 18.4 | 0.00000607 | 0.013 | 0.0199 | 0.00609 | 0.0184 | 0.0000135 | 12.5 | 0.00000671 | 0.000139 | 0.000214 | 0.000911 | 0.0502 |
| 2049 Dec | 74.7 | 0.00083 | 0.15 | 0.000585 | 12.7 | 0.0589 | 18.4 | 0.00000607 | 0.013 | 0.0199 | 0.00609 | 0.0184 | 0.0000135 | 12.5 | 0.00000671 | 0.000139 | 0.000214 | 0.000911 | 0.0502 |
| 2050 Jan | 74.7 | 0.00083 | 0.15 | 0.000585 | 12.7 | 0.0589 | 18.4 | 0.00000607 | 0.013 | 0.0199 | 0.00609 | 0.0184 | 0.0000135 | 12.5 | 0.00000671 | 0.000139 | 0.000214 | 0.000911 | 0.0502 |
| 2050 Feb | 74.7 | 0.00083 | 0.15 | 0.000585 | 12.7 | 0.0589 | 18.4 | 0.00000607 | 0.013 | 0.0199 | 0.00609 | 0.0184 | 0.0000135 | 12.5 | 0.00000671 | 0.000139 | 0.000214 | 0.000911 | 0.0502 |
| 2050 Mar | 74.7 | 0.00083 | 0.15 | 0.000585 | 12.7 | 0.0589 | 18.4 | 0.00000607 | 0.013 | 0.0199 | 0.00609 | 0.0184 | 0.0000135 | 12.5 | 0.00000671 | 0.000139 | 0.000214 | 0.000911 | 0.0502 |
| 2050 Apr | 74.7 | 0.00083 | 0.15 | 0.000585 | 12.7 | 0.0589 | 18.4 | 0.00000607 | 0.013 | 0.0199 | 0.00609 | 0.0184 | 0.0000135 | 12.5 | 0.00000671 | 0.000139 | 0.000214 | 0.000911 | 0.0502 |
| 2050 May | 74.7 | 0.000831 | 0.15 | 0.000585 | 12.7 | 0.059 | 18.4 | 0.00000607 | 0.013 | 0.0199 | 0.00609 | 0.0184 | 0.0000135 | 12.5 | 0.00000671 | 0.000139 | 0.000214 | 0.000911 | 0.0502 |
| 2050 Jun | 74.3 | 0.000888 | 0.149 | 0.000583 | 12.7 | 0.0588 | 18.1 | 0.00000605 | 0.013 | 0.0196 | 0.00607 | 0.0183 | 0.0000135 | 12.4 | 0.00000664 | 0.000138 | 0.000213 | 0.000906 | 0.0499 |
| 2050 Jul | 73.9 | 0.00093 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.9 | 0.00000604 | 0.0129 | 0.0193 | 0.00605 | 0.0183 | 0.0000134 | 12.4 | 0.00000658 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2050 Aug | 73.9 | 0.000931 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.9 | 0.00000604 | 0.0129 | 0.0193 | 0.00606 | 0.0183 | 0.0000134 | 12.4 | 0.00000658 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2050 Sep | 73.9 | 0.000932 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2050 Oct | 73.9 | 0.000933 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2050 Nov | 73.9 | 0.000933 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2050 Dec | 73.9 | 0.000933 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2051 Jan | 73.9 | 0.000933 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2051 Feb | 73.9 | 0.000933 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2051 Mar | 73.9 | 0.000933 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2051 Apr | 73.9 | 0.000933 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2051 May | 73.9 | 0.000935 | 0.147 | 0.000582 | 12.7 | 0.0586 | 17.8 | 0.00000604 | 0.0129 | 0.0192 | 0.00606 | 0.0183 | 0.0000134 | 12.3 | 0.00000657 | 0.000137 | 0.000213 | 0.0009 | 0.0498 |
| 2051 Jun | 73 | 0.000275 | 0.145 | 0.000578 | 12.6 | 0.0582 | 17.4 | 0.00000601 | 0.0129 | 0.0186 | 0.00602 | 0.0181 | 0.0000133 | 12.2 | 0.00000643 | 0.000134 | 0.000212 | 0.000889 | 0.0494 |
| 2051 Jul | 72.8 | 0.000154 | 0.145 | 0.000577 | 12.6 | 0.0581 | 17.2 | 0.00000601 | 0.0128 | 0.0184 | 0.00601 | 0.0181 | 0.0000133 | 12.1 | 0.0000064 | 0.000134 | 0.000211 | 0.000887 | 0.0493 |
| 2051 Aug | 72.8 | 0.000157 | 0.144 | 0.000577 | 12.6 | 0.0581 | 17.2 | 0.00000601 | 0.0128 | 0.0184 | 0.00601 | 0.0181 | 0.0000133 | 12.1 | 0.00000639 | 0.000133 | 0.000211 | 0.000886 | 0.0493 |
| 2051 Sep | 72.7 | 0.000162 | 0.144 | 0.000577 | 12.6 | 0.0581 | 17.2 | 0.00000601 | 0.0128 | 0.0183 | 0.00601 | 0.0181 | 0.0000133 | 12.1 | 0.00000638 | 0.000133 | 0.000211 | 0.000885 | 0.0493 |
| 2051 Oct | 72.6 | 0.00017 | 0.144 | 0.000576 | 12.6 | 0.058 | 17.1 | 0.000006 | 0.0128 | 0.0182 | 0.00601 | 0.0181 | 0.0000133 | 12.1 | 0.00000636 | 0.000133 | 0.000211 | 0.000884 | 0.0492 |
| 2051 Nov | 72.5 | 0.000175 | 0.144 | 0.000576 | 12.6 | 0.058 | 17.1 | 0.000006 | 0.0128 | 0.0182 | 0.006 | 0.0181 | 0.0000133 | 12.1 | 0.00000636 | 0.000133 | 0.000211 | 0.000883 | 0.0492 |
| 2051 Dec | 72.5 | 0.000175 | 0.144 | 0.000576 | 12.6 | 0.058 | 17.1 | 0.000006 | 0.0128 | 0.0182 | 0.006 | 0.0181 | 0.0000133 | 12.1 | 0.00000635 | 0.000133 | 0.000211 | 0.000883 | 0.0492 |
| 2052 Jan | 72.5 | 0.000175 | 0.144 | 0.000576 | 12.6 | 0.058 | 17.1 | 0.000006 | 0.0128 | 0.0182 | 0.006 | 0.0181 | 0.0000133 | 12.1 | 0.00000635 | 0.000133 | 0.000211 | 0.000883 | 0.0492 |
| 2052 Feb | 72.5 | 0.000175 | 0.144 | 0.000576 | 12.6 | 0.058 | 17.1 | 0.000006 | 0.0128 | 0.0182 | 0.006 | 0.0181 | 0.0000133 | 12.1 | 0.00000635 | 0.000133 | 0.000211 | 0.000883 | 0.0492 |
| 2052 Mar | 72.5 | 0.000175 | 0.144 | 0.000576 | 12.6 | 0.058 | 17.1 | 0.000006 | 0.0128 | 0.0182 | 0.006 | 0.0181 | 0.0000133 | 12.1 | 0.00000635 | 0.000133 | 0.000211 | 0.000883 | 0.0492 |
| 2052 Apr | 72.5 | 0.000175 | 0.144 | 0.000576 | 12.6 | 0.058 | 17.1 | 0.000006 | 0.0128 | 0.0182 | 0.006 | 0.0181 | 0.0000133 | 12.1 | 0.00000635 | 0.000133 | 0.000211 | 0.000883 | 0.0492 |
| 2052 May | 72.5 | 0.000177 | 0.144 | 0.000576 | 12.6 | 0.058 | 17.1 | 0.000006 | 0.0128 | 0.0182 | 0.00601 | 0.0181 | 0.0000133 | 12.1 | 0.00000636 | 0.000133 | 0.000211 | 0.000883 | 0.0492 |
| 2052 Jun | 72 | 0.000274 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.8 | 0.00000598 | 0.0128 | 0.0178 | 0.00599 | 0.018 | 0.0000132 | 12 | 0.00000628 | 0.000131 | 0.00021 | 0.000877 | 0.049 |
| 2052 Jul | 72 | 0.000293 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.8 | 0.00000599 | 0.0128 | 0.0178 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000627 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2052 Aug | 72 | 0.000295 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.8 | 0.00000599 | 0.0128 | 0.0178 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000627 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2052 Sep | 72 | 0.000297 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000626 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2052 Oct | 72 | 0.000299 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000626 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2052 Nov | 72 | 0.000299 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000626 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2052 Dec | 72 | 0.000299 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000626 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2053 Jan | 72 | 0.000299 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000626 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2053 Feb | 72 | 0.000299 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000626 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2053 Mar | 72 | 0.000299 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000626 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2053 Apr | 72 | 0.000299 | 0.142 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000626 | 0.000131 | 0.000211 | 0.000876 | 0.049 |
| 2053 May | 71.9 | 0.000309 | 0.141 | 0.000574 | 12.5 | 0.0578 | 16.7 | 0.00000599 | 0.0128 | 0.0177 | 0.00599 | 0.018 | 0.0000132 | 11.9 | 0.00000625 | 0.000131 | 0.000211 | 0.000876 | 0.0489 |
| 2053 Jun | 71.3 | 0.000495 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.3 | 0.00000596 | 0.0127 | 0.0172 | 0.00596 | 0.0179 | 0.0000131 | 11.8 | 0.00000614 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2053 Jul | 71.2 | 0.000525 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.3 | 0.00000597 | 0.0127 | 0.0171 | 0.00596 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0486 |
| 2053 Aug | 71.3 | 0.000527 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.3 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2053 Sep | 71.3 | 0.000528 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.3 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2053 Oct | 71.2 | 0.000529 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.3 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2053 Nov | 71.2 | 0.00053 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.2 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2053 Dec | 71.2 | 0.00053 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.2 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2054 Jan | 71.2 | 0.00053 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.2 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2054 Feb | 71.2 | 0.00053 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.2 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2054 Mar | 71.2 | 0.00053 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.2 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2054 Apr | 71.2 | 0.00053 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.2 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2054 May | 71.2 | 0.000533 | 0.139 | 0.000571 | 12.5 | 0.0575 | 16.2 | 0.00000597 | 0.0127 | 0.0171 | 0.00597 | 0.0179 | 0.0000131 | 11.8 | 0.00000613 | 0.000129 | 0.00021 | 0.000867 | 0.0487 |
| 2054 Jun | 70.7 | 0.00068 | 0.137 | 0.000569 | 12.4 | 0.0573 | 15.9 | 0.00000595 | 0.0127 | 0.0166 | 0.00595 | 0.0178 | 0.000013 | 11.6 | 0.00000603 | 0.000127 | 0.000209 | 0.00086 | 0.0484 |

**Appendix D12. WT North Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2054 Jul | 70.4 | 0.0007 | 0.136 | 0.000568 | 12.4 | 0.0571 | 15.8 | 0.00000594 | 0.0126 | 0.0165 | 0.00593 | 0.0177 | 0.000013 | 11.6 | 0.000006 | 0.000126 | 0.000209 | 0.000857 | 0.0483 |
| 2054 Aug | 70.2 | 0.000703 | 0.135 | 0.000567 | 12.4 | 0.057 | 15.7 | 0.00000593 | 0.0126 | 0.0163 | 0.00593 | 0.0177 | 0.0000129 | 11.5 | 0.00000597 | 0.000126 | 0.000209 | 0.000854 | 0.0482 |
| 2054 Sep | 70 | 0.000707 | 0.135 | 0.000566 | 12.4 | 0.0569 | 15.6 | 0.00000593 | 0.0126 | 0.0162 | 0.00592 | 0.0177 | 0.0000129 | 11.5 | 0.00000594 | 0.000125 | 0.000208 | 0.000851 | 0.0482 |
| 2054 Oct | 69.8 | 0.000715 | 0.134 | 0.000565 | 12.4 | 0.0568 | 15.5 | 0.00000592 | 0.0125 | 0.0161 | 0.00591 | 0.0176 | 0.0000129 | 11.5 | 0.00000591 | 0.000124 | 0.000208 | 0.000849 | 0.0481 |
| 2054 Nov | 69.8 | 0.000723 | 0.134 | 0.000565 | 12.3 | 0.0567 | 15.4 | 0.00000591 | 0.0125 | 0.016 | 0.0059 | 0.0176 | 0.0000129 | 11.5 | 0.0000059 | 0.000124 | 0.000208 | 0.000848 | 0.048 |
| 2054 Dec | 69.8 | 0.000724 | 0.134 | 0.000565 | 12.3 | 0.0567 | 15.4 | 0.00000591 | 0.0125 | 0.016 | 0.0059 | 0.0176 | 0.0000129 | 11.5 | 0.0000059 | 0.000124 | 0.000208 | 0.000848 | 0.048 |
| 2055 Jan | 69.8 | 0.000724 | 0.134 | 0.000565 | 12.3 | 0.0567 | 15.4 | 0.00000591 | 0.0125 | 0.016 | 0.0059 | 0.0176 | 0.0000129 | 11.5 | 0.0000059 | 0.000124 | 0.000208 | 0.000848 | 0.048 |
| 2055 Feb | 69.8 | 0.000724 | 0.134 | 0.000565 | 12.3 | 0.0567 | 15.4 | 0.00000591 | 0.0125 | 0.016 | 0.0059 | 0.0176 | 0.0000129 | 11.5 | 0.0000059 | 0.000124 | 0.000208 | 0.000848 | 0.048 |
| 2055 Mar | 69.8 | 0.000724 | 0.134 | 0.000565 | 12.3 | 0.0567 | 15.4 | 0.00000591 | 0.0125 | 0.016 | 0.0059 | 0.0176 | 0.0000129 | 11.5 | 0.0000059 | 0.000124 | 0.000208 | 0.000848 | 0.048 |
| 2055 Apr | 69.8 | 0.000724 | 0.134 | 0.000565 | 12.3 | 0.0567 | 15.4 | 0.00000591 | 0.0125 | 0.016 | 0.0059 | 0.0176 | 0.0000129 | 11.5 | 0.0000059 | 0.000124 | 0.000208 | 0.000848 | 0.048 |
| 2055 May | 69.8 | 0.000724 | 0.134 | 0.000565 | 12.3 | 0.0567 | 15.4 | 0.00000592 | 0.0125 | 0.016 | 0.00591 | 0.0176 | 0.0000129 | 11.5 | 0.0000059 | 0.000124 | 0.000208 | 0.000848 | 0.0481 |
| 2055 Jun | 69.3 | 0.000813 | 0.133 | 0.000563 | 12.3 | 0.0565 | 15.2 | 0.0000059 | 0.0125 | 0.0156 | 0.00588 | 0.0175 | 0.0000128 | 11.4 | 0.00000583 | 0.000123 | 0.000207 | 0.000842 | 0.0478 |
| 2055 Jul | 69 | 0.000856 | 0.132 | 0.000562 | 12.3 | 0.0564 | 15 | 0.00000589 | 0.0124 | 0.0155 | 0.00587 | 0.0175 | 0.0000128 | 11.3 | 0.00000579 | 0.000122 | 0.000207 | 0.000838 | 0.0477 |
| 2055 Aug | 69 | 0.000856 | 0.132 | 0.000561 | 12.3 | 0.0564 | 15 | 0.00000589 | 0.0124 | 0.0154 | 0.00587 | 0.0175 | 0.0000128 | 11.3 | 0.00000578 | 0.000122 | 0.000207 | 0.000838 | 0.0477 |
| 2055 Sep | 68.8 | 0.000859 | 0.131 | 0.000561 | 12.3 | 0.0563 | 14.9 | 0.00000588 | 0.0124 | 0.0153 | 0.00587 | 0.0175 | 0.0000128 | 11.3 | 0.00000576 | 0.000122 | 0.000207 | 0.000836 | 0.0476 |
| 2055 Oct | 68.8 | 0.00086 | 0.131 | 0.00056 | 12.3 | 0.0562 | 14.9 | 0.00000588 | 0.0124 | 0.0153 | 0.00586 | 0.0174 | 0.0000127 | 11.2 | 0.00000575 | 0.000121 | 0.000207 | 0.000835 | 0.0476 |
| 2055 Nov | 68.8 | 0.000861 | 0.131 | 0.00056 | 12.3 | 0.0563 | 14.9 | 0.00000588 | 0.0124 | 0.0153 | 0.00586 | 0.0174 | 0.0000127 | 11.2 | 0.00000575 | 0.000121 | 0.000207 | 0.000835 | 0.0476 |
| 2055 Dec | 68.8 | 0.000861 | 0.131 | 0.00056 | 12.3 | 0.0563 | 14.9 | 0.00000588 | 0.0124 | 0.0153 | 0.00586 | 0.0174 | 0.0000127 | 11.2 | 0.00000575 | 0.000121 | 0.000207 | 0.000835 | 0.0476 |
| 2056 Jan | 68.8 | 0.000861 | 0.131 | 0.00056 | 12.3 | 0.0563 | 14.9 | 0.00000588 | 0.0124 | 0.0153 | 0.00586 | 0.0174 | 0.0000127 | 11.2 | 0.00000574 | 0.000121 | 0.000207 | 0.000835 | 0.0476 |
| 2056 Feb | 68.8 | 0.000861 | 0.131 | 0.00056 | 12.3 | 0.0563 | 14.9 | 0.00000588 | 0.0124 | 0.0153 | 0.00586 | 0.0174 | 0.0000127 | 11.2 | 0.00000574 | 0.000121 | 0.000207 | 0.000835 | 0.0476 |
| 2056 Mar | 68.8 | 0.000861 | 0.131 | 0.00056 | 12.3 | 0.0563 | 14.9 | 0.00000588 | 0.0124 | 0.0153 | 0.00586 | 0.0174 | 0.0000127 | 11.2 | 0.00000574 | 0.000121 | 0.000207 | 0.000835 | 0.0476 |
| 2056 Apr | 68.8 | 0.000861 | 0.131 | 0.00056 | 12.3 | 0.0563 | 14.9 | 0.00000588 | 0.0124 | 0.0153 | 0.00586 | 0.0174 | 0.0000127 | 11.2 | 0.00000575 | 0.000121 | 0.000207 | 0.000835 | 0.0476 |
| 2056 May | 68.7 | 0.000857 | 0.131 | 0.00056 | 12.2 | 0.0562 | 14.8 | 0.00000588 | 0.0124 | 0.0152 | 0.00586 | 0.0174 | 0.0000127 | 11.2 | 0.00000573 | 0.000121 | 0.000207 | 0.000834 | 0.0475 |
| 2056 Jun | 68 | 0.000153 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.5 | 0.00000585 | 0.0123 | 0.0147 | 0.00583 | 0.0173 | 0.0000126 | 11.1 | 0.00000563 | 0.000119 | 0.000206 | 0.000825 | 0.0472 |
| 2056 Jul | 68 | 0.000169 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.5 | 0.00000585 | 0.0123 | 0.0147 | 0.00583 | 0.0173 | 0.0000126 | 11.1 | 0.00000562 | 0.000119 | 0.000206 | 0.000825 | 0.0472 |
| 2056 Aug | 68 | 0.00017 | 0.129 | 0.000557 | 12.2 | 0.0559 | 14.5 | 0.00000586 | 0.0123 | 0.0147 | 0.00584 | 0.0173 | 0.0000127 | 11.1 | 0.00000563 | 0.000119 | 0.000206 | 0.000825 | 0.0473 |
| 2056 Sep | 68 | 0.000173 | 0.129 | 0.000558 | 12.2 | 0.0559 | 14.5 | 0.00000586 | 0.0123 | 0.0147 | 0.00584 | 0.0173 | 0.0000127 | 11.1 | 0.00000563 | 0.000119 | 0.000206 | 0.000825 | 0.0473 |
| 2056 Oct | 67.9 | 0.000181 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.4 | 0.00000585 | 0.0123 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11.1 | 0.00000561 | 0.000119 | 0.000206 | 0.000824 | 0.0472 |
| 2056 Nov | 67.9 | 0.000184 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.4 | 0.00000585 | 0.0123 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11 | 0.00000561 | 0.000119 | 0.000206 | 0.000824 | 0.0472 |
| 2056 Dec | 67.9 | 0.000184 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.4 | 0.00000585 | 0.0123 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11 | 0.00000561 | 0.000119 | 0.000206 | 0.000824 | 0.0472 |
| 2057 Jan | 67.9 | 0.000185 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.4 | 0.00000585 | 0.0123 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11 | 0.00000561 | 0.000119 | 0.000206 | 0.000824 | 0.0472 |
| 2057 Feb | 67.9 | 0.000185 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.4 | 0.00000585 | 0.0123 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11 | 0.00000561 | 0.000119 | 0.000206 | 0.000824 | 0.0472 |
| 2057 Mar | 67.9 | 0.000185 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.4 | 0.00000585 | 0.0123 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11 | 0.00000561 | 0.000119 | 0.000206 | 0.000824 | 0.0472 |
| 2057 Apr | 67.9 | 0.000185 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.4 | 0.00000585 | 0.0123 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11.1 | 0.00000561 | 0.000119 | 0.000206 | 0.000824 | 0.0472 |
| 2057 May | 67.8 | 0.000211 | 0.129 | 0.000557 | 12.2 | 0.0558 | 14.4 | 0.00000585 | 0.0123 | 0.0146 | 0.00583 | 0.0173 | 0.0000126 | 11 | 0.0000056 | 0.000119 | 0.000206 | 0.000823 | 0.0472 |
| 2057 Jun | 67.4 | 0.000396 | 0.127 | 0.000555 | 12.1 | 0.0556 | 14.1 | 0.00000583 | 0.0123 | 0.0143 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000554 | 0.000117 | 0.000205 | 0.000818 | 0.047 |
| 2057 Jul | 67.4 | 0.000406 | 0.127 | 0.000555 | 12.1 | 0.0556 | 14.1 | 0.00000584 | 0.0123 | 0.0143 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000554 | 0.000117 | 0.000205 | 0.000818 | 0.047 |
| 2057 Aug | 67.5 | 0.000407 | 0.127 | 0.000555 | 12.1 | 0.0556 | 14.1 | 0.00000584 | 0.0123 | 0.0143 | 0.00582 | 0.0172 | 0.0000126 | 11 | 0.00000554 | 0.000117 | 0.000205 | 0.000819 | 0.047 |
| 2057 Sep | 67.4 | 0.000413 | 0.127 | 0.000555 | 12.1 | 0.0556 | 14.1 | 0.00000584 | 0.0123 | 0.0142 | 0.00582 | 0.0172 | 0.0000126 | 10.9 | 0.00000553 | 0.000117 | 0.000205 | 0.000818 | 0.047 |
| 2057 Oct | 67.3 | 0.000419 | 0.127 | 0.000555 | 12.1 | 0.0555 | 14 | 0.00000583 | 0.0123 | 0.0141 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000551 | 0.000117 | 0.000205 | 0.000816 | 0.047 |
| 2057 Nov | 67.3 | 0.00042 | 0.127 | 0.000555 | 12.1 | 0.0555 | 14 | 0.00000583 | 0.0123 | 0.0141 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000551 | 0.000117 | 0.000205 | 0.000816 | 0.047 |
| 2057 Dec | 67.3 | 0.00042 | 0.127 | 0.000555 | 12.1 | 0.0555 | 14 | 0.00000583 | 0.0123 | 0.0141 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000551 | 0.000117 | 0.000205 | 0.000816 | 0.047 |
| 2058 Jan | 67.3 | 0.00042 | 0.127 | 0.000555 | 12.1 | 0.0555 | 14 | 0.00000583 | 0.0123 | 0.0141 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000551 | 0.000117 | 0.000205 | 0.000816 | 0.047 |
| 2058 Feb | 67.3 | 0.00042 | 0.127 | 0.000555 | 12.1 | 0.0555 | 14 | 0.00000583 | 0.0123 | 0.0141 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000551 | 0.000117 | 0.000205 | 0.000816 | 0.047 |
| 2058 Mar | 67.3 | 0.00042 | 0.127 | 0.000555 | 12.1 | 0.0555 | 14 | 0.00000583 | 0.0123 | 0.0141 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000551 | 0.000117 | 0.000205 | 0.000816 | 0.047 |
| 2058 Apr | 67.3 | 0.00042 | 0.127 | 0.000555 | 12.1 | 0.0555 | 14 | 0.00000583 | 0.0123 | 0.0141 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.00000551 | 0.000117 | 0.000205 | 0.000816 | 0.047 |
| 2058 May | 67.2 | 0.000443 | 0.126 | 0.000554 | 12.1 | 0.0556 | 14 | 0.00000584 | 0.0123 | 0.0141 | 0.00581 | 0.0172 | 0.0000126 | 10.9 | 0.0000055 | 0.000117 | 0.000205 | 0.000816 | 0.047 |
| 2058 Jun | 66.6 | 0.0007 | 0.124 | 0.000552 | 12.1 | 0.0553 | 13.7 | 0.00000581 | 0.0123 | 0.0137 | 0.00579 | 0.0171 | 0.0000125 | 10.8 | 0.00000542 | 0.000115 | 0.000204 | 0.000809 | 0.0467 |
| 2058 Jul | 66.7 | 0.000719 | 0.124 | 0.000552 | 12.1 | 0.0553 | 13.7 | 0.00000582 | 0.0123 | 0.0137 | 0.00579 | 0.0171 | 0.0000125 | 10.8 | 0.00000542 | 0.000115 | 0.000204 | 0.00081 | 0.0467 |
| 2058 Aug | 66.7 | 0.00072 | 0.124 | 0.000552 | 12.1 | 0.0554 | 13.7 | 0.00000582 | 0.0123 | 0.0137 | 0.0058 | 0.0171 | 0.0000125 | 10.8 | 0.00000542 | 0.000115 | 0.000204 | 0.00081 | 0.0467 |
| 2058 Sep | 66.6 | 0.000726 | 0.124 | 0.000552 | 12.1 | 0.0553 | 13.7 | 0.00000582 | 0.0123 | 0.0136 | 0.00579 | 0.0171 | 0.0000125 | 10.8 | 0.00000541 | 0.000115 | 0.000204 | 0.000809 | 0.0467 |
| 2058 Oct | 66.5 | 0.000732 | 0.124 | 0.000551 | 12 | 0.0552 | 13.6 | 0.00000581 | 0.0123 | 0.0135 | 0.00578 | 0.0171 | 0.0000125 | 10.7 | 0.00000539 | 0.000115 | 0.000204 | 0.000808 | 0.0467 |
| 2058 Nov | 66.5 | 0.000733 | 0.124 | 0.000551 | 12 | 0.0552 | 13.6 | 0.00000581 | 0.0123 | 0.0135 | 0.00578 | 0.0171 | 0.0000125 | 10.7 | 0.00000539 | 0.000115 | 0.000204 | 0.000807 | 0.0466 |
| 2058 Dec | 66.5 | 0.000733 | 0.124 | 0.000551 | 12 | 0.0552 | 13.6 | 0.00000581 | 0.0123 | 0.0135 | 0.00578 | 0.0171 | 0.0000125 | 10.7 | 0.00000539 | 0.000115 | 0.000204 | 0.000807 | 0.0466 |
| 2059 Jan | 66.5 | 0.000733 | 0.124 | 0.000551 | 12 | 0.0552 | 13.6 | 0.00000581 | 0.0123 | 0.0135 | 0.00578 | 0.0171 | 0.0000125 | 10.7 | 0.00000539 | 0.000115 | 0.000204 | 0.000807 | 0.0466 |
| 2059 Feb | 66.5 | 0.000733 | 0.124 | 0.000551 | 12 | 0.0552 | 13.6 | 0.00000581 | 0.0123 | 0.0135 | 0.00578 | 0.0171 | 0.0000125 | 10.7 | 0.00000539 | 0.000115 | 0.000204 | 0.000807 | 0.0466 |
| 2059 Mar | 66.5 | 0.000733 | 0.124 | 0.000551 | 12 | 0.0552 | 13.6 | 0.00000581 | 0.0123 | 0.0135 | 0.00578 | 0.0171 | 0.0000125 | 10.7 | 0.00000539 | 0.000115 | 0.000204 | 0.000807 | 0.0466 |
| 2059 Apr | 66.5 | 0.000733 | 0.124 | 0.000551 | 12 | 0.0552 | 13.6 | 0.00000581 | 0.0123 | 0.0135 | 0.00578 | 0.0171 | 0.0000125 | 10.7 | 0.00000539 | 0.000115 | 0.000204 | 0.000807 | 0.0467 |
| 2059 May | 66.4 | 0.000748 | 0.123 | 0.000551 | 12 | 0.0552 | 13.6 | 0.00000581 | 0.0123 | 0.0135 | 0.00578 | 0.0171 | 0.0000125 | 10.7 | 0.00000538 | 0.000115 | 0.000204 | 0.000807 | 0.0466 |
| 2059 Jun | 66.1 | 0.000877 | 0.122 | 0.00055 | 12 | 0.055 | 13.4 | 0.0000058 | 0.0122 | 0.0133 | 0.00577 | 0.017 | 0.0000124 | 10.7 | 0.00000533 | 0.000114 | 0.000203 | 0.000803 | 0.0465 |
| 2059 Jul | 66.2 | 0.000883 | 0.122 | 0.00055 | 12 | 0.0551 | 13.4 | 0.00000581 | 0.0122 | 0.0133 | 0.00578 | 0.017 | 0.0000124 | 10.7 | 0.00000534 | 0.000114 | 0.000204 | 0.000804 | 0.0465 |
| 2059 Aug | 66.2 | 0.000884 | 0.122 | 0.000551 | 12 | 0.0551 | 13.4 | 0.00000581 | 0.0122 | 0.0133 | 0.00578 | 0.017 | 0.0000124 | 10.7 | 0.00000534 | 0.000114 | 0.000204 | 0.000804 | 0.0466 |
| 2059 Sep | 66.1 | 0.000887 | 0.122 | 0.00055 | 12 | 0.0551 | 13.4 | 0.00000581 | 0.0122 | 0.0132 | 0.00578 | 0.017 | 0.0000124 | 10.7 | 0.00000533 | 0.000114 | 0.000204 | 0.000804 | 0.0465 |
| 2059 Oct | 66 | 0.000896 | 0.122 | 0.00055 | 12 | 0.055 | 13.3 | 0.0000058 | 0.0122 | 0.0131 | 0.00577 | 0.017 | 0.0000124 | 10.6 | 0.00000531 | 0.000113 | 0.000203 | 0.000801 | 0.0465 |
| 2059 Nov | 66 | 0.000899 | 0.122 | 0.00055 | 12 | 0.055 | 13.3 | 0.0000058 | 0.0122 | 0.0131 | 0.00577 | 0.017 | 0.0000124 | 10.6 | 0.00000531 | 0.000113 | 0.000203 | 0.000801 | 0.0465 |

**Appendix D12. WT North Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2059 Dec | 66 | 0.000899 | 0.122 | 0.000549 | 12 | 0.055 | 13.3 | 0.0000058 | 0.0122 | 0.0131 | 0.00577 | 0.017 | 0.0000124 | 10.6 | 0.00000531 | 0.000113 | 0.000203 | 0.000801 | 0.0465 |
| 2060 Jan | 66 | 0.000899 | 0.122 | 0.000549 | 12 | 0.055 | 13.3 | 0.0000058 | 0.0122 | 0.0131 | 0.00577 | 0.017 | 0.0000124 | 10.6 | 0.00000531 | 0.000113 | 0.000203 | 0.000801 | 0.0465 |
| 2060 Feb | 66 | 0.000899 | 0.122 | 0.000549 | 12 | 0.055 | 13.3 | 0.0000058 | 0.0122 | 0.0131 | 0.00577 | 0.017 | 0.0000124 | 10.6 | 0.00000531 | 0.000113 | 0.000203 | 0.000801 | 0.0465 |
| 2060 Mar | 66 | 0.000899 | 0.122 | 0.000549 | 12 | 0.055 | 13.3 | 0.0000058 | 0.0122 | 0.0131 | 0.00577 | 0.017 | 0.0000124 | 10.6 | 0.00000531 | 0.000113 | 0.000203 | 0.000801 | 0.0465 |
| 2060 Apr | 66 | 0.000899 | 0.122 | 0.00055 | 12 | 0.055 | 13.3 | 0.0000058 | 0.0122 | 0.0131 | 0.00577 | 0.017 | 0.0000124 | 10.6 | 0.00000531 | 0.000113 | 0.000203 | 0.000801 | 0.0465 |
| 2060 May | 65.7 | 0.000976 | 0.121 | 0.000549 | 12 | 0.0549 | 13.1 | 0.0000058 | 0.0122 | 0.0129 | 0.00576 | 0.0169 | 0.0000124 | 10.6 | 0.00000527 | 0.000113 | 0.000203 | 0.000799 | 0.0464 |
| 2060 Jun | 65.5 | 0.000167 | 0.121 | 0.000548 | 12 | 0.0547 | 13 | 0.00000579 | 0.0122 | 0.0127 | 0.00575 | 0.0169 | 0.0000123 | 10.5 | 0.00000523 | 0.000112 | 0.000203 | 0.000795 | 0.0463 |
| 2060 Jul | 65.5 | 0.000171 | 0.121 | 0.000548 | 12 | 0.0548 | 13 | 0.00000579 | 0.0122 | 0.0128 | 0.00576 | 0.0169 | 0.0000123 | 10.5 | 0.00000524 | 0.000112 | 0.000203 | 0.000796 | 0.0463 |
| 2060 Aug | 65.5 | 0.000176 | 0.121 | 0.000548 | 12 | 0.0548 | 13 | 0.00000579 | 0.0122 | 0.0127 | 0.00575 | 0.0169 | 0.0000123 | 10.5 | 0.00000523 | 0.000112 | 0.000203 | 0.000795 | 0.0463 |
| 2060 Sep | 65.2 | 0.000191 | 0.12 | 0.000547 | 11.9 | 0.0546 | 12.9 | 0.00000578 | 0.0121 | 0.0126 | 0.00574 | 0.0169 | 0.0000123 | 10.5 | 0.0000052 | 0.000111 | 0.000202 | 0.000793 | 0.0462 |
| 2060 Oct | 65.1 | 0.0002 | 0.12 | 0.000546 | 11.9 | 0.0545 | 12.8 | 0.00000577 | 0.0121 | 0.0125 | 0.00574 | 0.0168 | 0.0000123 | 10.4 | 0.00000518 | 0.000111 | 0.000202 | 0.000791 | 0.0462 |
| 2060 Nov | 65.1 | 0.000202 | 0.12 | 0.000546 | 11.9 | 0.0545 | 12.8 | 0.00000577 | 0.0121 | 0.0125 | 0.00574 | 0.0168 | 0.0000123 | 10.4 | 0.00000518 | 0.000111 | 0.000202 | 0.000791 | 0.0462 |
| 2060 Dec | 65.1 | 0.000202 | 0.12 | 0.000546 | 11.9 | 0.0545 | 12.8 | 0.00000577 | 0.0121 | 0.0125 | 0.00574 | 0.0168 | 0.0000123 | 10.4 | 0.00000518 | 0.000111 | 0.000202 | 0.000791 | 0.0462 |
| 2061 Jan | 65.1 | 0.000202 | 0.12 | 0.000546 | 11.9 | 0.0545 | 12.8 | 0.00000577 | 0.0121 | 0.0125 | 0.00574 | 0.0168 | 0.0000123 | 10.4 | 0.00000518 | 0.000111 | 0.000202 | 0.000791 | 0.0462 |
| 2061 Feb | 65.1 | 0.000202 | 0.12 | 0.000546 | 11.9 | 0.0545 | 12.8 | 0.00000577 | 0.0121 | 0.0125 | 0.00574 | 0.0168 | 0.0000123 | 10.4 | 0.00000518 | 0.000111 | 0.000202 | 0.000791 | 0.0462 |
| 2061 Mar | 65.1 | 0.000202 | 0.12 | 0.000546 | 11.9 | 0.0545 | 12.8 | 0.00000577 | 0.0121 | 0.0125 | 0.00574 | 0.0168 | 0.0000123 | 10.4 | 0.00000518 | 0.000111 | 0.000202 | 0.000791 | 0.0462 |
| 2061 Apr | 65.1 | 0.000202 | 0.12 | 0.000546 | 11.9 | 0.0545 | 12.8 | 0.00000577 | 0.0121 | 0.0125 | 0.00574 | 0.0168 | 0.0000123 | 10.4 | 0.00000518 | 0.000111 | 0.000202 | 0.000791 | 0.0462 |
| 2061 May | 65.1 | 0.000225 | 0.12 | 0.000546 | 11.9 | 0.0545 | 12.8 | 0.00000577 | 0.0121 | 0.0124 | 0.00574 | 0.0168 | 0.0000123 | 10.4 | 0.00000517 | 0.000111 | 0.000202 | 0.000791 | 0.0461 |
| 2061 Jun | 64.4 | 0.000569 | 0.118 | 0.000543 | 11.8 | 0.0541 | 12.4 | 0.00000574 | 0.012 | 0.012 | 0.0057 | 0.0167 | 0.0000122 | 10.3 | 0.00000507 | 0.000109 | 0.000201 | 0.000782 | 0.0458 |
| 2061 Jul | 64.3 | 0.000601 | 0.117 | 0.000542 | 11.8 | 0.0541 | 12.4 | 0.00000574 | 0.012 | 0.0119 | 0.0057 | 0.0167 | 0.0000122 | 10.3 | 0.00000506 | 0.000108 | 0.000201 | 0.00078 | 0.0458 |
| 2061 Aug | 64.3 | 0.000603 | 0.117 | 0.000543 | 11.8 | 0.0541 | 12.4 | 0.00000574 | 0.012 | 0.0119 | 0.0057 | 0.0167 | 0.0000122 | 10.3 | 0.00000506 | 0.000108 | 0.000201 | 0.000781 | 0.0458 |
| 2061 Sep | 64.3 | 0.000605 | 0.117 | 0.000542 | 11.8 | 0.0541 | 12.4 | 0.00000574 | 0.012 | 0.0119 | 0.0057 | 0.0167 | 0.0000122 | 10.3 | 0.00000506 | 0.000108 | 0.000201 | 0.00078 | 0.0458 |
| 2061 Oct | 64.2 | 0.000614 | 0.117 | 0.000542 | 11.8 | 0.054 | 12.3 | 0.00000574 | 0.012 | 0.0119 | 0.0057 | 0.0166 | 0.0000122 | 10.2 | 0.00000504 | 0.000108 | 0.000201 | 0.000779 | 0.0457 |
| 2061 Nov | 64.1 | 0.000617 | 0.117 | 0.000542 | 11.8 | 0.054 | 12.3 | 0.00000574 | 0.012 | 0.0118 | 0.0057 | 0.0166 | 0.0000122 | 10.2 | 0.00000504 | 0.000108 | 0.000201 | 0.000779 | 0.0457 |
| 2061 Dec | 64.1 | 0.000617 | 0.117 | 0.000542 | 11.8 | 0.054 | 12.3 | 0.00000574 | 0.012 | 0.0118 | 0.0057 | 0.0166 | 0.0000122 | 10.2 | 0.00000504 | 0.000108 | 0.000201 | 0.000779 | 0.0457 |
| 2062 Jan | 64.1 | 0.000617 | 0.117 | 0.000542 | 11.8 | 0.054 | 12.3 | 0.00000574 | 0.012 | 0.0118 | 0.0057 | 0.0166 | 0.0000122 | 10.2 | 0.00000504 | 0.000108 | 0.000201 | 0.000779 | 0.0457 |
| 2062 Feb | 64.1 | 0.000617 | 0.117 | 0.000542 | 11.8 | 0.054 | 12.3 | 0.00000574 | 0.012 | 0.0118 | 0.0057 | 0.0166 | 0.0000122 | 10.2 | 0.00000504 | 0.000108 | 0.000201 | 0.000779 | 0.0457 |
| 2062 Mar | 64.1 | 0.000618 | 0.117 | 0.000542 | 11.8 | 0.054 | 12.3 | 0.00000574 | 0.012 | 0.0118 | 0.0057 | 0.0166 | 0.0000122 | 10.2 | 0.00000504 | 0.000108 | 0.000201 | 0.000779 | 0.0457 |
| 2062 Apr | 64.1 | 0.000618 | 0.117 | 0.000542 | 11.8 | 0.054 | 12.3 | 0.00000574 | 0.012 | 0.0118 | 0.0057 | 0.0166 | 0.0000122 | 10.2 | 0.00000504 | 0.000108 | 0.000201 | 0.000779 | 0.0457 |
| 2062 May | 64.2 | 0.000618 | 0.117 | 0.000542 | 11.8 | 0.054 | 12.3 | 0.00000574 | 0.012 | 0.0118 | 0.0057 | 0.0166 | 0.0000122 | 10.2 | 0.00000504 | 0.000108 | 0.000201 | 0.000779 | 0.0457 |
| 2062 Jun | 63.7 | 0.000739 | 0.115 | 0.00054 | 11.8 | 0.0538 | 12.1 | 0.00000572 | 0.012 | 0.0116 | 0.00568 | 0.0166 | 0.0000121 | 10.2 | 0.00000499 | 0.000107 | 0.0002 | 0.000774 | 0.0455 |
| 2062 Jul | 63.4 | 0.000827 | 0.114 | 0.000538 | 11.7 | 0.0536 | 12 | 0.00000571 | 0.012 | 0.0114 | 0.00566 | 0.0165 | 0.0000121 | 10.1 | 0.00000494 | 0.000106 | 0.000199 | 0.00077 | 0.0454 |
| 2062 Aug | 63.4 | 0.000827 | 0.114 | 0.000538 | 11.7 | 0.0536 | 12 | 0.00000571 | 0.012 | 0.0114 | 0.00567 | 0.0165 | 0.0000121 | 10.1 | 0.00000494 | 0.000106 | 0.0002 | 0.00077 | 0.0454 |
| 2062 Sep | 63.3 | 0.000832 | 0.114 | 0.000538 | 11.7 | 0.0536 | 11.9 | 0.0000057 | 0.012 | 0.0113 | 0.00566 | 0.0165 | 0.000012 | 10.1 | 0.00000493 | 0.000106 | 0.000199 | 0.000769 | 0.0453 |
| 2062 Oct | 63 | 0.000858 | 0.113 | 0.000536 | 11.7 | 0.0534 | 11.8 | 0.00000569 | 0.0119 | 0.0111 | 0.00564 | 0.0164 | 0.000012 | 10 | 0.00000489 | 0.000105 | 0.000199 | 0.000765 | 0.0452 |
| 2062 Nov | 63 | 0.000866 | 0.113 | 0.000536 | 11.7 | 0.0533 | 11.8 | 0.00000569 | 0.0119 | 0.0111 | 0.00564 | 0.0164 | 0.000012 | 10 | 0.00000489 | 0.000105 | 0.000199 | 0.000765 | 0.0452 |
| 2062 Dec | 63 | 0.000866 | 0.113 | 0.000536 | 11.7 | 0.0533 | 11.8 | 0.00000569 | 0.0119 | 0.0111 | 0.00564 | 0.0164 | 0.000012 | 10 | 0.00000489 | 0.000105 | 0.000199 | 0.000765 | 0.0452 |
| 2063 Jan | 63 | 0.000867 | 0.113 | 0.000536 | 11.7 | 0.0533 | 11.8 | 0.00000569 | 0.0119 | 0.0111 | 0.00564 | 0.0164 | 0.000012 | 10 | 0.00000489 | 0.000105 | 0.000199 | 0.000765 | 0.0452 |
| 2063 Feb | 63 | 0.000867 | 0.113 | 0.000536 | 11.7 | 0.0533 | 11.8 | 0.00000569 | 0.0119 | 0.0111 | 0.00564 | 0.0164 | 0.000012 | 10 | 0.00000489 | 0.000105 | 0.000199 | 0.000765 | 0.0452 |
| 2063 Mar | 63 | 0.000867 | 0.113 | 0.000536 | 11.7 | 0.0533 | 11.8 | 0.00000569 | 0.0119 | 0.0111 | 0.00564 | 0.0164 | 0.000012 | 10 | 0.00000489 | 0.000105 | 0.000199 | 0.000765 | 0.0452 |
| 2063 Apr | 63 | 0.000867 | 0.113 | 0.000536 | 11.7 | 0.0533 | 11.8 | 0.00000569 | 0.0119 | 0.0111 | 0.00564 | 0.0164 | 0.000012 | 10 | 0.00000489 | 0.000105 | 0.000199 | 0.000765 | 0.0452 |
| 2063 May | 63 | 0.000874 | 0.113 | 0.000536 | 11.7 | 0.0534 | 11.8 | 0.00000569 | 0.0119 | 0.0111 | 0.00564 | 0.0164 | 0.000012 | 10 | 0.00000489 | 0.000105 | 0.000199 | 0.000765 | 0.0452 |
| 2063 Jun | 62.3 | 0.000356 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0107 | 0.00561 | 0.0163 | 0.0000119 | 9.87 | 0.0000048 | 0.000103 | 0.000197 | 0.000756 | 0.0448 |
| 2063 Jul | 62.2 | 0.00036 | 0.112 | 0.000532 | 11.6 | 0.0529 | 11.4 | 0.00000565 | 0.0118 | 0.0106 | 0.0056 | 0.0163 | 0.0000119 | 9.85 | 0.00000478 | 0.000103 | 0.000197 | 0.000755 | 0.0448 |
| 2063 Aug | 62.3 | 0.000361 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0448 |
| 2063 Sep | 62.3 | 0.000362 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0107 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0449 |
| 2063 Oct | 62.3 | 0.000363 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0448 |
| 2063 Nov | 62.3 | 0.000363 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0448 |
| 2063 Dec | 62.3 | 0.000363 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0448 |
| 2064 Jan | 62.3 | 0.000363 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0448 |
| 2064 Feb | 62.3 | 0.000363 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0448 |
| 2064 Mar | 62.3 | 0.000363 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0448 |
| 2064 Apr | 62.3 | 0.000364 | 0.112 | 0.000533 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.86 | 0.00000479 | 0.000103 | 0.000198 | 0.000756 | 0.0448 |
| 2064 May | 62.2 | 0.000409 | 0.111 | 0.000532 | 11.6 | 0.053 | 11.4 | 0.00000566 | 0.0118 | 0.0106 | 0.00561 | 0.0163 | 0.0000119 | 9.84 | 0.00000477 | 0.000103 | 0.000197 | 0.000755 | 0.0448 |
| 2064 Jun | 61.9 | 0.0006 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000564 | 0.0118 | 0.0104 | 0.00559 | 0.0162 | 0.0000118 | 9.78 | 0.00000473 | 0.000102 | 0.000197 | 0.000752 | 0.0446 |
| 2064 Jul | 61.9 | 0.000605 | 0.11 | 0.000531 | 11.6 | 0.0529 | 11.2 | 0.00000565 | 0.0118 | 0.0104 | 0.0056 | 0.0162 | 0.0000119 | 9.78 | 0.00000474 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2064 Aug | 61.9 | 0.000606 | 0.11 | 0.000531 | 11.6 | 0.0529 | 11.2 | 0.00000565 | 0.0118 | 0.0104 | 0.0056 | 0.0162 | 0.0000119 | 9.78 | 0.00000474 | 0.000102 | 0.000197 | 0.000753 | 0.0447 |
| 2064 Sep | 61.9 | 0.000612 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000565 | 0.0118 | 0.0103 | 0.0056 | 0.0162 | 0.0000119 | 9.77 | 0.00000473 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2064 Oct | 61.8 | 0.000614 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000565 | 0.0118 | 0.0103 | 0.0056 | 0.0162 | 0.0000118 | 9.77 | 0.00000472 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2064 Nov | 61.8 | 0.000614 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000565 | 0.0118 | 0.0103 | 0.0056 | 0.0162 | 0.0000119 | 9.77 | 0.00000472 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2064 Dec | 61.8 | 0.000614 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000565 | 0.0118 | 0.0103 | 0.0056 | 0.0162 | 0.0000119 | 9.77 | 0.00000472 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2065 Jan | 61.8 | 0.000614 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000565 | 0.0118 | 0.0103 | 0.0056 | 0.0162 | 0.0000119 | 9.77 | 0.00000472 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2065 Feb | 61.8 | 0.000614 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000565 | 0.0118 | 0.0103 | 0.0056 | 0.0162 | 0.0000119 | 9.77 | 0.00000472 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2065 Mar | 61.8 | 0.000614 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000565 | 0.0118 | 0.0103 | 0.0056 | 0.0162 | 0.0000119 | 9.77 | 0.00000472 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2065 Apr | 61.8 | 0.000614 | 0.11 | 0.000531 | 11.6 | 0.0528 | 11.2 | 0.00000565 | 0.0118 | 0.0103 | 0.0056 | 0.0162 | 0.0000119 | 9.77 | 0.00000472 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |

**Appendix D12. WT North Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 May | 61.8 | 0.000621 | 0.11 | 0.000531 | 11.6 | 0.0529 | 11.2 | 0.00000565 | 0.0119 | 0.0103 | 0.0056 | 0.0162 | 0.0000119 | 9.76 | 0.00000472 | 0.000102 | 0.000197 | 0.000752 | 0.0447 |
| 2065 Jun | 61.4 | 0.000811 | 0.109 | 0.000529 | 11.5 | 0.0526 | 11 | 0.00000563 | 0.0118 | 0.01 | 0.00558 | 0.0162 | 0.0000118 | 9.68 | 0.00000466 | 0.000101 | 0.000196 | 0.000747 | 0.0445 |
| 2065 Jul | 61.4 | 0.000836 | 0.108 | 0.000529 | 11.5 | 0.0526 | 10.9 | 0.00000564 | 0.0118 | 0.01 | 0.00558 | 0.0162 | 0.0000118 | 9.68 | 0.00000466 | 0.000101 | 0.000196 | 0.000746 | 0.0445 |
| 2065 Aug | 61.5 | 0.000838 | 0.109 | 0.00053 | 11.5 | 0.0527 | 10.9 | 0.00000564 | 0.0118 | 0.01 | 0.00559 | 0.0162 | 0.0000118 | 9.69 | 0.00000466 | 0.000101 | 0.000197 | 0.000747 | 0.0445 |
| 2065 Sep | 61.5 | 0.000841 | 0.108 | 0.000529 | 11.5 | 0.0527 | 10.9 | 0.00000564 | 0.0118 | 0.01 | 0.00559 | 0.0162 | 0.0000118 | 9.68 | 0.00000466 | 0.000101 | 0.000197 | 0.000747 | 0.0445 |
| 2065 Oct | 61.3 | 0.000854 | 0.108 | 0.000529 | 11.5 | 0.0526 | 10.9 | 0.00000563 | 0.0118 | 0.00993 | 0.00558 | 0.0161 | 0.0000118 | 9.66 | 0.00000464 | 0.000101 | 0.000196 | 0.000746 | 0.0444 |
| 2065 Nov | 61.3 | 0.000861 | 0.108 | 0.000529 | 11.5 | 0.0526 | 10.9 | 0.00000563 | 0.0118 | 0.00991 | 0.00558 | 0.0161 | 0.0000118 | 9.65 | 0.00000464 | 0.0001 | 0.000196 | 0.000745 | 0.0444 |
| 2065 Dec | 61.3 | 0.000862 | 0.108 | 0.000528 | 11.5 | 0.0526 | 10.9 | 0.00000563 | 0.0118 | 0.00991 | 0.00558 | 0.0161 | 0.0000118 | 9.65 | 0.00000464 | 0.0001 | 0.000196 | 0.000745 | 0.0444 |
| 2066 Jan | 61.3 | 0.000862 | 0.108 | 0.000528 | 11.5 | 0.0526 | 10.9 | 0.00000563 | 0.0118 | 0.00991 | 0.00558 | 0.0161 | 0.0000118 | 9.65 | 0.00000464 | 0.0001 | 0.000196 | 0.000745 | 0.0444 |
| 2066 Feb | 61.3 | 0.000862 | 0.108 | 0.000528 | 11.5 | 0.0526 | 10.9 | 0.00000563 | 0.0118 | 0.00991 | 0.00558 | 0.0161 | 0.0000118 | 9.65 | 0.00000464 | 0.000101 | 0.000196 | 0.000745 | 0.0444 |
| 2066 Mar | 61.3 | 0.000862 | 0.108 | 0.000528 | 11.5 | 0.0526 | 10.9 | 0.00000563 | 0.0118 | 0.00991 | 0.00558 | 0.0161 | 0.0000118 | 9.65 | 0.00000464 | 0.000101 | 0.000196 | 0.000745 | 0.0444 |
| 2066 Apr | 61.3 | 0.000862 | 0.108 | 0.000528 | 11.5 | 0.0526 | 10.9 | 0.00000563 | 0.0118 | 0.00991 | 0.00558 | 0.0161 | 0.0000118 | 9.65 | 0.00000464 | 0.000101 | 0.000196 | 0.000746 | 0.0444 |
| 2066 May | 61.3 | 0.000875 | 0.108 | 0.000528 | 11.5 | 0.0526 | 10.8 | 0.00000563 | 0.0118 | 0.0099 | 0.00558 | 0.0161 | 0.0000118 | 9.65 | 0.00000464 | 0.000101 | 0.000196 | 0.000746 | 0.0444 |
| 2066 Jun | 60.9 | 0.000147 | 0.108 | 0.000527 | 11.5 | 0.0524 | 10.7 | 0.00000562 | 0.0118 | 0.00966 | 0.00556 | 0.0161 | 0.0000117 | 9.57 | 0.00000459 | 0.0000996 | 0.000196 | 0.000741 | 0.0443 |
| 2066 Jul | 61 | 0.000162 | 0.108 | 0.000527 | 11.5 | 0.0525 | 10.7 | 0.00000563 | 0.0118 | 0.00967 | 0.00557 | 0.0161 | 0.0000117 | 9.59 | 0.00000459 | 0.0000997 | 0.000196 | 0.000742 | 0.0443 |
| 2066 Aug | 61 | 0.000164 | 0.108 | 0.000528 | 11.5 | 0.0525 | 10.7 | 0.00000563 | 0.0118 | 0.00968 | 0.00557 | 0.0161 | 0.0000118 | 9.59 | 0.0000046 | 0.0000997 | 0.000196 | 0.000742 | 0.0444 |
| 2066 Sep | 61 | 0.00017 | 0.108 | 0.000528 | 11.5 | 0.0525 | 10.7 | 0.00000563 | 0.0118 | 0.00967 | 0.00557 | 0.0161 | 0.0000118 | 9.59 | 0.00000459 | 0.0000997 | 0.000196 | 0.000742 | 0.0443 |
| 2066 Oct | 60.9 | 0.000181 | 0.107 | 0.000527 | 11.5 | 0.0525 | 10.6 | 0.00000563 | 0.0118 | 0.00961 | 0.00557 | 0.0161 | 0.0000117 | 9.57 | 0.00000458 | 0.0000995 | 0.000196 | 0.000742 | 0.0443 |
| 2066 Nov | 60.9 | 0.000187 | 0.107 | 0.000527 | 11.5 | 0.0525 | 10.6 | 0.00000563 | 0.0118 | 0.00959 | 0.00557 | 0.0161 | 0.0000117 | 9.56 | 0.00000458 | 0.0000994 | 0.000196 | 0.000741 | 0.0443 |
| 2066 Dec | 60.9 | 0.000188 | 0.107 | 0.000527 | 11.5 | 0.0525 | 10.6 | 0.00000563 | 0.0118 | 0.00959 | 0.00557 | 0.0161 | 0.0000117 | 9.56 | 0.00000458 | 0.0000994 | 0.000196 | 0.000741 | 0.0443 |
| 2067 Jan | 60.9 | 0.000188 | 0.107 | 0.000527 | 11.5 | 0.0525 | 10.6 | 0.00000563 | 0.0118 | 0.00959 | 0.00557 | 0.0161 | 0.0000117 | 9.56 | 0.00000458 | 0.0000994 | 0.000196 | 0.000741 | 0.0443 |
| 2067 Feb | 60.9 | 0.000188 | 0.107 | 0.000527 | 11.5 | 0.0525 | 10.6 | 0.00000563 | 0.0118 | 0.00959 | 0.00557 | 0.0161 | 0.0000117 | 9.56 | 0.00000458 | 0.0000994 | 0.000196 | 0.000741 | 0.0443 |
| 2067 Mar | 60.9 | 0.000188 | 0.107 | 0.000527 | 11.5 | 0.0525 | 10.6 | 0.00000563 | 0.0118 | 0.00959 | 0.00557 | 0.0161 | 0.0000117 | 9.56 | 0.00000458 | 0.0000994 | 0.000196 | 0.000741 | 0.0443 |
| 2067 Apr | 60.9 | 0.000188 | 0.107 | 0.000527 | 11.5 | 0.0525 | 10.6 | 0.00000563 | 0.0118 | 0.00959 | 0.00557 | 0.0161 | 0.0000117 | 9.56 | 0.00000458 | 0.0000995 | 0.000196 | 0.000742 | 0.0443 |
| 2067 May | 60.9 | 0.000212 | 0.107 | 0.000527 | 11.5 | 0.0525 | 10.6 | 0.00000563 | 0.0118 | 0.00955 | 0.00557 | 0.0161 | 0.0000117 | 9.56 | 0.00000458 | 0.0000994 | 0.000196 | 0.000742 | 0.0443 |
| 2067 Jun | 60.6 | 0.000426 | 0.106 | 0.000526 | 11.4 | 0.0523 | 10.5 | 0.00000562 | 0.0118 | 0.00937 | 0.00556 | 0.016 | 0.0000117 | 9.5 | 0.00000454 | 0.0000987 | 0.000196 | 0.000738 | 0.0442 |
| 2067 Jul | 60.7 | 0.000437 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.5 | 0.00000562 | 0.0118 | 0.00938 | 0.00556 | 0.0161 | 0.0000117 | 9.51 | 0.00000454 | 0.0000987 | 0.000196 | 0.000739 | 0.0442 |
| 2067 Aug | 60.6 | 0.000441 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00934 | 0.00556 | 0.0161 | 0.0000117 | 9.5 | 0.00000453 | 0.0000986 | 0.000196 | 0.000738 | 0.0442 |
| 2067 Sep | 60.6 | 0.000443 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00933 | 0.00556 | 0.0161 | 0.0000117 | 9.5 | 0.00000453 | 0.0000985 | 0.000196 | 0.000738 | 0.0442 |
| 2067 Oct | 60.6 | 0.000446 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00931 | 0.00556 | 0.016 | 0.0000117 | 9.49 | 0.00000453 | 0.0000985 | 0.000196 | 0.000738 | 0.0442 |
| 2067 Nov | 60.6 | 0.000447 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00931 | 0.00556 | 0.016 | 0.0000117 | 9.49 | 0.00000453 | 0.0000985 | 0.000196 | 0.000738 | 0.0442 |
| 2067 Dec | 60.6 | 0.000448 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00931 | 0.00556 | 0.016 | 0.0000117 | 9.49 | 0.00000453 | 0.0000985 | 0.000196 | 0.000738 | 0.0442 |
| 2068 Jan | 60.6 | 0.000448 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00931 | 0.00556 | 0.016 | 0.0000117 | 9.49 | 0.00000453 | 0.0000985 | 0.000196 | 0.000738 | 0.0442 |
| 2068 Feb | 60.6 | 0.000448 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00931 | 0.00556 | 0.016 | 0.0000117 | 9.49 | 0.00000453 | 0.0000985 | 0.000196 | 0.000738 | 0.0442 |
| 2068 Mar | 60.6 | 0.000448 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00931 | 0.00556 | 0.016 | 0.0000117 | 9.49 | 0.00000453 | 0.0000985 | 0.000196 | 0.000738 | 0.0442 |
| 2068 Apr | 60.6 | 0.000448 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00931 | 0.00556 | 0.0161 | 0.0000117 | 9.49 | 0.00000453 | 0.0000985 | 0.000196 | 0.000738 | 0.0442 |
| 2068 May | 60.6 | 0.000496 | 0.106 | 0.000526 | 11.5 | 0.0524 | 10.4 | 0.00000562 | 0.0118 | 0.00926 | 0.00556 | 0.016 | 0.0000117 | 9.48 | 0.00000452 | 0.0000984 | 0.000196 | 0.000738 | 0.0442 |
| 2068 Jun | 60.2 | 0.000817 | 0.104 | 0.000524 | 11.4 | 0.0521 | 10.2 | 0.0000056 | 0.0117 | 0.00899 | 0.00554 | 0.016 | 0.0000116 | 9.4 | 0.00000446 | 0.0000972 | 0.000195 | 0.000732 | 0.044 |
| 2068 Jul | 60.2 | 0.000831 | 0.104 | 0.000524 | 11.4 | 0.0521 | 10.2 | 0.00000561 | 0.0118 | 0.009 | 0.00555 | 0.016 | 0.0000116 | 9.4 | 0.00000446 | 0.0000973 | 0.000195 | 0.000732 | 0.0441 |
| 2068 Aug | 60.3 | 0.000832 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000561 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000733 | 0.0441 |
| 2068 Sep | 60.3 | 0.000834 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000561 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000973 | 0.000195 | 0.000733 | 0.0441 |
| 2068 Oct | 60.3 | 0.000835 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000562 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000733 | 0.0441 |
| 2068 Nov | 60.3 | 0.000835 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000562 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000734 | 0.0441 |
| 2068 Dec | 60.3 | 0.000835 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000562 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000734 | 0.0441 |
| 2069 Jan | 60.3 | 0.000835 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000562 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000734 | 0.0441 |
| 2069 Feb | 60.3 | 0.000835 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000562 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000734 | 0.0441 |
| 2069 Mar | 60.3 | 0.000835 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000562 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000734 | 0.0441 |
| 2069 Apr | 60.3 | 0.000835 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.2 | 0.00000562 | 0.0118 | 0.00901 | 0.00555 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000734 | 0.0441 |
| 2069 May | 60.3 | 0.000836 | 0.104 | 0.000525 | 11.4 | 0.0523 | 10.2 | 0.00000562 | 0.0118 | 0.00901 | 0.00556 | 0.016 | 0.0000117 | 9.41 | 0.00000447 | 0.0000974 | 0.000195 | 0.000734 | 0.0441 |
| 2069 Jun | 60.1 | 0.000887 | 0.104 | 0.000525 | 11.4 | 0.0522 | 10.1 | 0.00000562 | 0.0118 | 0.0089 | 0.00555 | 0.016 | 0.0000117 | 9.39 | 0.00000445 | 0.0000971 | 0.000195 | 0.000732 | 0.0441 |
| 2069 Jul | 60.2 | 0.000896 | 0.104 | 0.000525 | 11.4 | 0.0523 | 10.1 | 0.00000562 | 0.0118 | 0.0089 | 0.00556 | 0.016 | 0.0000117 | 9.39 | 0.00000445 | 0.0000971 | 0.000196 | 0.000733 | 0.0441 |
| 2069 Aug | 60.2 | 0.000897 | 0.104 | 0.000526 | 11.4 | 0.0523 | 10.1 | 0.00000563 | 0.0118 | 0.0089 | 0.00556 | 0.016 | 0.0000117 | 9.4 | 0.00000445 | 0.0000971 | 0.000196 | 0.000734 | 0.0441 |
| 2069 Sep | 60.2 | 0.000899 | 0.104 | 0.000525 | 11.4 | 0.0523 | 10.1 | 0.00000562 | 0.0118 | 0.00886 | 0.00556 | 0.016 | 0.0000117 | 9.38 | 0.00000444 | 0.0000969 | 0.000196 | 0.000733 | 0.0441 |
| 2069 Oct | 60.2 | 0.0009 | 0.104 | 0.000525 | 11.4 | 0.0523 | 10.1 | 0.00000562 | 0.0118 | 0.00885 | 0.00556 | 0.016 | 0.0000117 | 9.38 | 0.00000444 | 0.0000969 | 0.000196 | 0.000733 | 0.0441 |
| 2069 Nov | 60.2 | 0.0009 | 0.104 | 0.000525 | 11.4 | 0.0523 | 10.1 | 0.00000562 | 0.0118 | 0.00884 | 0.00556 | 0.016 | 0.0000117 | 9.38 | 0.00000444 | 0.0000969 | 0.000196 | 0.000733 | 0.0441 |
| 2069 Dec | 60.2 | 0.0009 | 0.104 | 0.000525 | 11.4 | 0.0523 | 10.1 | 0.00000562 | 0.0118 | 0.00884 | 0.00556 | 0.016 | 0.0000117 | 9.38 | 0.00000444 | 0.0000969 | 0.000196 | 0.000733 | 0.0441 |

**Appendix D12. WT North Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Active Closure (Sep., 2044 to Jun., 2046): Min | 0.00000424 | 2.03 | 0.00216 | 2.92 | 0.04 | 0.00149 | 1.33 | 0.00973 | 0.00488 | 0.0000496 | 0.000244 | 0.00012 | 0.0689 | 0.00000635 | 0.000236 | 0.000452 | 0.00186 | 0.000637 |
| Active Closure (Sep., 2044 to Jun., 2046): Average | 0.00000426 | 2.04 | 0.00217 | 2.96 | 0.0404 | 0.00151 | 1.34 | 0.00997 | 0.0049 | 0.0000499 | 0.000246 | 0.000122 | 0.0694 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000658 |
| Active Closure (Sep., 2044 to Jun., 2046): Max | 0.00000428 | 2.04 | 0.00217 | 2.98 | 0.0408 | 0.00153 | 1.35 | 0.0102 | 0.00491 | 0.0000501 | 0.000248 | 0.000124 | 0.0697 | 0.00000637 | 0.000238 | 0.000455 | 0.00187 | 0.000674 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000381 | 1.73 | 0.00189 | 2.05 | 0.0284 | 0.00073 | 1.15 | 0.0041 | 0.00438 | 0.0000463 | 0.000145 | 0.0000634 | 0.0591 | 0.00000588 | 0.000172 | 0.000356 | 0.00178 | 0.000168 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000399 | 1.85 | 0.00199 | 2.39 | 0.0328 | 0.00102 | 1.23 | 0.00628 | 0.0046 | 0.0000474 | 0.000183 | 0.0000854 | 0.063 | 0.00000608 | 0.000197 | 0.000392 | 0.00182 | 0.00035 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.00000428 | 2.03 | 0.00215 | 2.91 | 0.0397 | 0.00147 | 1.33 | 0.00962 | 0.00488 | 0.0000494 | 0.000242 | 0.000119 | 0.0688 | 0.00000636 | 0.000236 | 0.00045 | 0.00187 | 0.000627 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Sep 2044-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2044 Sep | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0408 | 0.00153 | 1.35 | 0.0102 | 0.00491 | 0.0000498 | 0.000248 | 0.000124 | 0.0697 | 0.00000635 | 0.000237 | 0.000455 | 0.00187 | 0.000674 |
| 2044 Oct | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0407 | 0.00153 | 1.34 | 0.0101 | 0.00491 | 0.00005 | 0.000247 | 0.000124 | 0.0696 | 0.00000635 | 0.000236 | 0.000454 | 0.00186 | 0.000671 |
| 2044 Nov | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0407 | 0.00153 | 1.34 | 0.0101 | 0.0049 | 0.0000501 | 0.000247 | 0.000124 | 0.0696 | 0.00000635 | 0.000237 | 0.000454 | 0.00186 | 0.000671 |
| 2044 Dec | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0407 | 0.00153 | 1.34 | 0.0101 | 0.0049 | 0.0000501 | 0.000247 | 0.000124 | 0.0696 | 0.00000635 | 0.000236 | 0.000454 | 0.00186 | 0.00067 |
| 2045 Jan | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0407 | 0.00153 | 1.34 | 0.0101 | 0.0049 | 0.0000501 | 0.000247 | 0.000123 | 0.0696 | 0.00000635 | 0.000236 | 0.000454 | 0.00186 | 0.00067 |
| 2045 Feb | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0407 | 0.00153 | 1.34 | 0.0101 | 0.0049 | 0.0000501 | 0.000247 | 0.000123 | 0.0696 | 0.00000635 | 0.000236 | 0.000454 | 0.00186 | 0.00067 |
| 2045 Mar | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0407 | 0.00153 | 1.34 | 0.0101 | 0.0049 | 0.0000501 | 0.000247 | 0.000123 | 0.0696 | 0.00000635 | 0.000236 | 0.000454 | 0.00186 | 0.00067 |
| 2045 Apr | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0407 | 0.00153 | 1.34 | 0.0101 | 0.0049 | 0.0000501 | 0.000247 | 0.000123 | 0.0696 | 0.00000635 | 0.000236 | 0.000454 | 0.00186 | 0.00067 |
| 2045 May | 0.00000424 | 2.04 | 0.00217 | 2.98 | 0.0407 | 0.00153 | 1.34 | 0.0101 | 0.00491 | 0.0000501 | 0.000247 | 0.000123 | 0.0696 | 0.00000635 | 0.000236 | 0.000454 | 0.00186 | 0.000669 |
| 2045 Jun | 0.00000427 | 2.04 | 0.00216 | 2.96 | 0.0405 | 0.00152 | 1.34 | 0.01 | 0.00489 | 0.00005 | 0.000247 | 0.000123 | 0.0693 | 0.00000636 | 0.000238 | 0.000454 | 0.00187 | 0.000661 |
| 2045 Jul | 0.00000427 | 2.04 | 0.00216 | 2.95 | 0.0403 | 0.0015 | 1.34 | 0.0099 | 0.00489 | 0.0000498 | 0.000245 | 0.000122 | 0.0692 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000651 |
| 2045 Aug | 0.00000427 | 2.04 | 0.00216 | 2.95 | 0.0403 | 0.0015 | 1.34 | 0.00988 | 0.0049 | 0.0000498 | 0.000245 | 0.000122 | 0.0693 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.00065 |
| 2045 Sep | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000498 | 0.000245 | 0.000122 | 0.0693 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2045 Oct | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000498 | 0.000245 | 0.000121 | 0.0693 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2045 Nov | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000498 | 0.000245 | 0.000121 | 0.0693 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2045 Dec | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000498 | 0.000245 | 0.000121 | 0.0693 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2046 Jan | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000498 | 0.000245 | 0.000121 | 0.0693 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2046 Feb | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000498 | 0.000245 | 0.000121 | 0.0693 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2046 Mar | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000498 | 0.000245 | 0.000121 | 0.0693 | 0.00000636 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2046 Apr | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000498 | 0.000245 | 0.000121 | 0.0693 | 0.00000637 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2046 May | 0.00000427 | 2.04 | 0.00216 | 2.94 | 0.0403 | 0.0015 | 1.34 | 0.00987 | 0.0049 | 0.0000499 | 0.000245 | 0.000122 | 0.0693 | 0.00000637 | 0.000237 | 0.000453 | 0.00187 | 0.000649 |
| 2046 Jun | 0.00000428 | 2.03 | 0.00216 | 2.92 | 0.04 | 0.00149 | 1.33 | 0.00973 | 0.00488 | 0.0000496 | 0.000244 | 0.00012 | 0.0689 | 0.00000636 | 0.000237 | 0.000452 | 0.00187 | 0.000637 |
| 2046 Jul | 0.00000428 | 2.03 | 0.00215 | 2.91 | 0.0397 | 0.00147 | 1.33 | 0.00962 | 0.00487 | 0.0000494 | 0.000242 | 0.000119 | 0.0687 | 0.00000636 | 0.000236 | 0.00045 | 0.00187 | 0.000627 |
| 2046 Aug | 0.00000428 | 2.03 | 0.00215 | 2.9 | 0.0397 | 0.00147 | 1.33 | 0.00961 | 0.00488 | 0.0000494 | 0.000242 | 0.000119 | 0.0688 | 0.00000636 | 0.000236 | 0.00045 | 0.00187 | 0.000626 |
| 2046 Sep | 0.00000427 | 2.02 | 0.00215 | 2.9 | 0.0396 | 0.00146 | 1.33 | 0.00955 | 0.00487 | 0.0000493 | 0.000241 | 0.000119 | 0.0686 | 0.00000635 | 0.000235 | 0.000449 | 0.00187 | 0.000622 |
| 2046 Oct | 0.00000427 | 2.02 | 0.00215 | 2.89 | 0.0395 | 0.00146 | 1.33 | 0.00951 | 0.00486 | 0.0000493 | 0.00024 | 0.000118 | 0.0686 | 0.00000635 | 0.000234 | 0.000448 | 0.00187 | 0.000618 |
| 2046 Nov | 0.00000427 | 2.02 | 0.00215 | 2.89 | 0.0395 | 0.00146 | 1.33 | 0.0095 | 0.00487 | 0.0000493 | 0.00024 | 0.000118 | 0.0686 | 0.00000635 | 0.000234 | 0.000448 | 0.00187 | 0.000618 |
| 2046 Dec | 0.00000427 | 2.02 | 0.00215 | 2.89 | 0.0395 | 0.00146 | 1.33 | 0.0095 | 0.00487 | 0.0000493 | 0.00024 | 0.000118 | 0.0686 | 0.00000635 | 0.000234 | 0.000448 | 0.00187 | 0.000618 |
| 2047 Jan | 0.00000427 | 2.02 | 0.00215 | 2.89 | 0.0395 | 0.00146 | 1.33 | 0.0095 | 0.00487 | 0.0000493 | 0.00024 | 0.000118 | 0.0686 | 0.00000635 | 0.000234 | 0.000448 | 0.00187 | 0.000618 |
| 2047 Feb | 0.00000427 | 2.02 | 0.00215 | 2.89 | 0.0395 | 0.00146 | 1.33 | 0.0095 | 0.00487 | 0.0000493 | 0.00024 | 0.000118 | 0.0686 | 0.00000635 | 0.000234 | 0.000448 | 0.00187 | 0.000618 |
| 2047 Mar | 0.00000427 | 2.02 | 0.00215 | 2.89 | 0.0395 | 0.00146 | 1.33 | 0.0095 | 0.00487 | 0.0000493 | 0.00024 | 0.000118 | 0.0686 | 0.00000635 | 0.000234 | 0.000448 | 0.00187 | 0.000618 |
| 2047 Apr | 0.00000427 | 2.02 | 0.00215 | 2.89 | 0.0395 | 0.00146 | 1.33 | 0.0095 | 0.00487 | 0.0000493 | 0.00024 | 0.000118 | 0.0686 | 0.00000635 | 0.000234 | 0.000448 | 0.00187 | 0.000618 |
| 2047 May | 0.00000427 | 2.02 | 0.00214 | 2.88 | 0.0394 | 0.00145 | 1.33 | 0.00947 | 0.00486 | 0.0000492 | 0.000239 | 0.000118 | 0.0685 | 0.00000635 | 0.000234 | 0.000448 | 0.00187 | 0.000615 |
| 2047 Jun | 0.00000424 | 2.01 | 0.00213 | 2.85 | 0.039 | 0.00142 | 1.32 | 0.00924 | 0.00484 | 0.0000488 | 0.000235 | 0.000115 | 0.0681 | 0.00000632 | 0.000231 | 0.000443 | 0.00186 | 0.000596 |
| 2047 Jul | 0.00000425 | 2.01 | 0.00213 | 2.85 | 0.039 | 0.00142 | 1.32 | 0.00924 | 0.00485 | 0.0000488 | 0.000235 | 0.000115 | 0.0682 | 0.00000633 | 0.000231 | 0.000444 | 0.00187 | 0.000596 |
| 2047 Aug | 0.00000425 | 2.01 | 0.00214 | 2.85 | 0.039 | 0.00142 | 1.32 | 0.00924 | 0.00485 | 0.0000488 | 0.000235 | 0.000115 | 0.0682 | 0.00000633 | 0.000231 | 0.000444 | 0.00187 | 0.000596 |
| 2047 Sep | 0.00000425 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00142 | 1.32 | 0.00921 | 0.00485 | 0.0000488 | 0.000235 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000593 |
| 2047 Oct | 0.00000424 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00141 | 1.32 | 0.00919 | 0.00484 | 0.0000488 | 0.000234 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000591 |
| 2047 Nov | 0.00000424 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00141 | 1.32 | 0.00919 | 0.00484 | 0.0000488 | 0.000234 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000591 |
| 2047 Dec | 0.00000424 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00141 | 1.32 | 0.00918 | 0.00484 | 0.0000488 | 0.000234 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000591 |
| 2048 Jan | 0.00000424 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00141 | 1.32 | 0.00918 | 0.00484 | 0.0000488 | 0.000234 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000591 |
| 2048 Feb | 0.00000424 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00141 | 1.32 | 0.00918 | 0.00484 | 0.0000488 | 0.000234 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000591 |
| 2048 Mar | 0.00000424 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00141 | 1.32 | 0.00918 | 0.00484 | 0.0000488 | 0.000234 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000591 |
| 2048 Apr | 0.00000424 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00141 | 1.32 | 0.00919 | 0.00484 | 0.0000488 | 0.000234 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000591 |
| 2048 May | 0.00000425 | 2.01 | 0.00213 | 2.84 | 0.0389 | 0.00141 | 1.32 | 0.00919 | 0.00485 | 0.0000488 | 0.000234 | 0.000115 | 0.0681 | 0.00000633 | 0.000231 | 0.000443 | 0.00187 | 0.000591 |
| 2048 Jun | 0.00000423 | 1.99 | 0.00212 | 2.8 | 0.0384 | 0.00138 | 1.31 | 0.00894 | 0.00483 | 0.0000483 | 0.00023 | 0.000112 | 0.0677 | 0.00000631 | 0.000228 | 0.000439 | 0.00186 | 0.000571 |
| 2048 Jul | 0.00000421 | 1.98 | 0.00211 | 2.78 | 0.038 | 0.00136 | 1.31 | 0.00877 | 0.00481 | 0.000048 | 0.000227 | 0.000111 | 0.0674 | 0.00000629 | 0.000226 | 0.000436 | 0.00186 | 0.000558 |
| 2048 Aug | 0.00000421 | 1.99 | 0.00211 | 2.78 | 0.038 | 0.00136 | 1.31 | 0.00877 | 0.00482 | 0.000048 | 0.000227 | 0.000111 | 0.0674 | 0.00000629 | 0.000226 | 0.000436 | 0.00186 | 0.000557 |
| 2048 Sep | 0.00000421 | 1.99 | 0.00212 | 2.78 | 0.038 | 0.00136 | 1.31 | 0.00877 | 0.00482 | 0.000048 | 0.000227 | 0.000111 | 0.0675 | 0.0000063 | 0.000226 | 0.000436 | 0.00186 | 0.000557 |
| 2048 Oct | 0.0000042 | 1.98 | 0.00211 | 2.77 | 0.0379 | 0.00135 | 1.3 | 0.00873 | 0.00481 | 0.0000483 | 0.000226 | 0.00011 | 0.0674 | 0.00000629 | 0.000225 | 0.000435 | 0.00186 | 0.000554 |
| 2048 Nov | 0.0000042 | 1.98 | 0.00211 | 2.77 | 0.0379 | 0.00135 | 1.3 | 0.00871 | 0.00481 | 0.0000485 | 0.000226 | 0.00011 | 0.0673 | 0.00000629 | 0.000225 | 0.000435 | 0.00186 | 0.000552 |
| 2048 Dec | 0.0000042 | 1.98 | 0.00211 | 2.77 | 0.0379 | 0.00135 | 1.3 | 0.00871 | 0.00481 | 0.0000485 | 0.000226 | 0.00011 | 0.0673 | 0.00000629 | 0.000225 | 0.000435 | 0.00186 | 0.000552 |
| 2049 Jan | 0.0000042 | 1.98 | 0.00211 | 2.77 | 0.0379 | 0.00135 | 1.3 | 0.00871 | 0.00481 | 0.0000485 | 0.000226 | 0.00011 | 0.0673 | 0.00000629 | 0.000225 | 0.000435 | 0.00186 | 0.000552 |

**Appendix D12. WT North Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Feb | 0.0000042 | 1.98 | 0.00211 | 2.77 | 0.0379 | 0.00135 | 1.3 | 0.00871 | 0.00481 | 0.0000485 | 0.000226 | 0.00011 | 0.0673 | 0.00000629 | 0.000225 | 0.000435 | 0.00186 | 0.000552 |
| 2049 Mar | 0.0000042 | 1.98 | 0.00211 | 2.77 | 0.0379 | 0.00135 | 1.3 | 0.00871 | 0.00481 | 0.0000485 | 0.000226 | 0.00011 | 0.0673 | 0.00000629 | 0.000225 | 0.000435 | 0.00186 | 0.000552 |
| 2049 Apr | 0.0000042 | 1.98 | 0.00211 | 2.77 | 0.0379 | 0.00135 | 1.3 | 0.00871 | 0.00481 | 0.0000485 | 0.000226 | 0.00011 | 0.0673 | 0.00000629 | 0.000225 | 0.000435 | 0.00186 | 0.000552 |
| 2049 May | 0.0000042 | 1.98 | 0.00211 | 2.77 | 0.0379 | 0.00135 | 1.3 | 0.00871 | 0.00481 | 0.0000485 | 0.000226 | 0.00011 | 0.0674 | 0.00000629 | 0.000225 | 0.000435 | 0.00186 | 0.000552 |
| 2049 Jun | 0.00000419 | 1.97 | 0.0021 | 2.73 | 0.0375 | 0.00132 | 1.3 | 0.00848 | 0.00479 | 0.0000481 | 0.000222 | 0.000108 | 0.0669 | 0.00000627 | 0.000223 | 0.000431 | 0.00185 | 0.000534 |
| 2049 Jul | 0.00000417 | 1.96 | 0.00209 | 2.71 | 0.0372 | 0.0013 | 1.29 | 0.00836 | 0.00478 | 0.0000479 | 0.00022 | 0.000106 | 0.0667 | 0.00000625 | 0.000221 | 0.000428 | 0.00185 | 0.000523 |
| 2049 Aug | 0.00000417 | 1.96 | 0.00209 | 2.71 | 0.0372 | 0.0013 | 1.29 | 0.00835 | 0.00478 | 0.0000479 | 0.000219 | 0.000106 | 0.0667 | 0.00000626 | 0.000221 | 0.000428 | 0.00185 | 0.000522 |
| 2049 Sep | 0.00000417 | 1.96 | 0.00209 | 2.71 | 0.0371 | 0.00129 | 1.29 | 0.0083 | 0.00478 | 0.0000478 | 0.000219 | 0.000106 | 0.0666 | 0.00000625 | 0.000221 | 0.000428 | 0.00185 | 0.000519 |
| 2049 Oct | 0.00000416 | 1.96 | 0.00209 | 2.7 | 0.037 | 0.00129 | 1.29 | 0.00828 | 0.00477 | 0.0000479 | 0.000218 | 0.000106 | 0.0666 | 0.00000625 | 0.00022 | 0.000427 | 0.00185 | 0.000517 |
| 2049 Nov | 0.00000416 | 1.96 | 0.00209 | 2.7 | 0.037 | 0.00129 | 1.29 | 0.00827 | 0.00477 | 0.000048 | 0.000218 | 0.000106 | 0.0666 | 0.00000625 | 0.00022 | 0.000427 | 0.00185 | 0.000516 |
| 2049 Dec | 0.00000416 | 1.96 | 0.00209 | 2.7 | 0.037 | 0.00129 | 1.29 | 0.00827 | 0.00477 | 0.000048 | 0.000218 | 0.000106 | 0.0666 | 0.00000625 | 0.00022 | 0.000427 | 0.00185 | 0.000516 |
| 2050 Jan | 0.00000416 | 1.96 | 0.00209 | 2.7 | 0.037 | 0.00129 | 1.29 | 0.00827 | 0.00477 | 0.000048 | 0.000218 | 0.000106 | 0.0666 | 0.00000625 | 0.00022 | 0.000427 | 0.00185 | 0.000516 |
| 2050 Feb | 0.00000416 | 1.96 | 0.00209 | 2.7 | 0.037 | 0.00129 | 1.29 | 0.00827 | 0.00477 | 0.000048 | 0.000218 | 0.000106 | 0.0666 | 0.00000625 | 0.00022 | 0.000427 | 0.00185 | 0.000516 |
| 2050 Mar | 0.00000416 | 1.96 | 0.00209 | 2.7 | 0.037 | 0.00129 | 1.29 | 0.00827 | 0.00477 | 0.000048 | 0.000218 | 0.000106 | 0.0666 | 0.00000625 | 0.00022 | 0.000427 | 0.00185 | 0.000516 |
| 2050 Apr | 0.00000416 | 1.96 | 0.00209 | 2.7 | 0.037 | 0.00129 | 1.29 | 0.00827 | 0.00477 | 0.000048 | 0.000218 | 0.000106 | 0.0666 | 0.00000625 | 0.00022 | 0.000427 | 0.00185 | 0.000516 |
| 2050 May | 0.00000417 | 1.96 | 0.00209 | 2.7 | 0.037 | 0.00129 | 1.29 | 0.00827 | 0.00478 | 0.000048 | 0.000218 | 0.000106 | 0.0666 | 0.00000625 | 0.00022 | 0.000427 | 0.00185 | 0.000516 |
| 2050 Jun | 0.00000415 | 1.95 | 0.00208 | 2.68 | 0.0367 | 0.00127 | 1.29 | 0.00815 | 0.00476 | 0.0000478 | 0.000216 | 0.000104 | 0.0663 | 0.00000624 | 0.000219 | 0.000425 | 0.00185 | 0.000506 |
| 2050 Jul | 0.00000414 | 1.95 | 0.00208 | 2.67 | 0.0365 | 0.00126 | 1.28 | 0.00804 | 0.00476 | 0.0000476 | 0.000214 | 0.000103 | 0.0661 | 0.00000622 | 0.000217 | 0.000423 | 0.00184 | 0.000497 |
| 2050 Aug | 0.00000414 | 1.95 | 0.00208 | 2.67 | 0.0365 | 0.00126 | 1.28 | 0.00803 | 0.00476 | 0.0000477 | 0.000214 | 0.000103 | 0.0662 | 0.00000623 | 0.000217 | 0.000423 | 0.00184 | 0.000496 |
| 2050 Sep | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00126 | 1.28 | 0.00802 | 0.00476 | 0.0000476 | 0.000213 | 0.000103 | 0.0661 | 0.00000623 | 0.000217 | 0.000423 | 0.00184 | 0.000495 |
| 2050 Oct | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00125 | 1.28 | 0.00801 | 0.00476 | 0.0000477 | 0.000213 | 0.000103 | 0.0661 | 0.00000623 | 0.000217 | 0.000422 | 0.00184 | 0.000494 |
| 2050 Nov | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00125 | 1.28 | 0.00801 | 0.00476 | 0.0000477 | 0.000213 | 0.000103 | 0.0661 | 0.00000623 | 0.000217 | 0.000422 | 0.00184 | 0.000494 |
| 2050 Dec | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00125 | 1.28 | 0.00801 | 0.00476 | 0.0000477 | 0.000213 | 0.000103 | 0.0661 | 0.00000623 | 0.000217 | 0.000422 | 0.00184 | 0.000494 |
| 2051 Jan | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00125 | 1.28 | 0.00801 | 0.00476 | 0.0000477 | 0.000213 | 0.000103 | 0.0661 | 0.00000623 | 0.000217 | 0.000422 | 0.00184 | 0.000494 |
| 2051 Feb | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00125 | 1.28 | 0.00801 | 0.00476 | 0.0000477 | 0.000213 | 0.000103 | 0.0661 | 0.00000623 | 0.000217 | 0.000422 | 0.00184 | 0.000494 |
| 2051 Mar | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00125 | 1.28 | 0.00801 | 0.00476 | 0.0000477 | 0.000213 | 0.000103 | 0.0661 | 0.00000623 | 0.000217 | 0.000422 | 0.00184 | 0.000494 |
| 2051 Apr | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00125 | 1.28 | 0.00801 | 0.00476 | 0.0000477 | 0.000213 | 0.000103 | 0.0661 | 0.00000623 | 0.000217 | 0.000423 | 0.00184 | 0.000494 |
| 2051 May | 0.00000414 | 1.95 | 0.00208 | 2.66 | 0.0364 | 0.00125 | 1.28 | 0.00801 | 0.00476 | 0.0000477 | 0.000213 | 0.000103 | 0.0662 | 0.00000623 | 0.000217 | 0.000423 | 0.00185 | 0.000494 |
| 2051 Jun | 0.00000413 | 1.93 | 0.00206 | 2.63 | 0.036 | 0.00122 | 1.28 | 0.00777 | 0.00473 | 0.0000473 | 0.00021 | 0.000101 | 0.0657 | 0.00000621 | 0.000215 | 0.000419 | 0.00184 | 0.000475 |
| 2051 Jul | 0.00000412 | 1.93 | 0.00206 | 2.62 | 0.0358 | 0.00121 | 1.27 | 0.00771 | 0.00473 | 0.0000472 | 0.000208 | 0.0000999 | 0.0656 | 0.0000062 | 0.000214 | 0.000417 | 0.00184 | 0.00047 |
| 2051 Aug | 0.00000412 | 1.93 | 0.00206 | 2.62 | 0.0358 | 0.00121 | 1.27 | 0.00767 | 0.00473 | 0.0000472 | 0.000208 | 0.0000997 | 0.0656 | 0.0000062 | 0.000214 | 0.000417 | 0.00184 | 0.000468 |
| 2051 Sep | 0.00000412 | 1.93 | 0.00206 | 2.61 | 0.0358 | 0.00121 | 1.27 | 0.00767 | 0.00473 | 0.0000472 | 0.000208 | 0.0000995 | 0.0656 | 0.0000062 | 0.000213 | 0.000417 | 0.00184 | 0.000466 |
| 2051 Oct | 0.00000411 | 1.93 | 0.00206 | 2.61 | 0.0357 | 0.0012 | 1.27 | 0.00764 | 0.00473 | 0.0000473 | 0.000207 | 0.0000992 | 0.0655 | 0.0000062 | 0.000213 | 0.000416 | 0.00184 | 0.000463 |
| 2051 Nov | 0.00000411 | 1.93 | 0.00206 | 2.6 | 0.0357 | 0.0012 | 1.27 | 0.00763 | 0.00473 | 0.0000474 | 0.000207 | 0.000099 | 0.0655 | 0.0000062 | 0.000213 | 0.000416 | 0.00184 | 0.000462 |
| 2051 Dec | 0.00000411 | 1.93 | 0.00206 | 2.6 | 0.0356 | 0.0012 | 1.27 | 0.00763 | 0.00473 | 0.0000474 | 0.000207 | 0.000099 | 0.0655 | 0.00000619 | 0.000213 | 0.000416 | 0.00184 | 0.000462 |
| 2052 Jan | 0.00000411 | 1.93 | 0.00206 | 2.6 | 0.0356 | 0.0012 | 1.27 | 0.00763 | 0.00473 | 0.0000474 | 0.000207 | 0.000099 | 0.0655 | 0.00000619 | 0.000213 | 0.000416 | 0.00184 | 0.000462 |
| 2052 Feb | 0.00000411 | 1.93 | 0.00206 | 2.6 | 0.0356 | 0.0012 | 1.27 | 0.00763 | 0.00473 | 0.0000474 | 0.000207 | 0.000099 | 0.0655 | 0.00000619 | 0.000213 | 0.000416 | 0.00184 | 0.000462 |
| 2052 Mar | 0.00000411 | 1.93 | 0.00206 | 2.6 | 0.0356 | 0.0012 | 1.27 | 0.00763 | 0.00473 | 0.0000474 | 0.000207 | 0.000099 | 0.0655 | 0.00000619 | 0.000213 | 0.000416 | 0.00184 | 0.000462 |
| 2052 Apr | 0.00000411 | 1.93 | 0.00206 | 2.6 | 0.0356 | 0.0012 | 1.27 | 0.00763 | 0.00473 | 0.0000474 | 0.000207 | 0.000099 | 0.0655 | 0.0000062 | 0.000213 | 0.000416 | 0.00184 | 0.000462 |
| 2052 May | 0.00000411 | 1.93 | 0.00206 | 2.6 | 0.0357 | 0.0012 | 1.27 | 0.00763 | 0.00473 | 0.0000475 | 0.000207 | 0.000099 | 0.0655 | 0.0000062 | 0.000213 | 0.000416 | 0.00184 | 0.000462 |
| 2052 Jun | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0354 | 0.00118 | 1.27 | 0.00749 | 0.00471 | 0.0000473 | 0.000204 | 0.0000976 | 0.0652 | 0.00000618 | 0.000211 | 0.000414 | 0.00184 | 0.000451 |
| 2052 Jul | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00747 | 0.00472 | 0.0000472 | 0.000204 | 0.0000974 | 0.0652 | 0.00000618 | 0.000211 | 0.000413 | 0.00184 | 0.000449 |
| 2052 Aug | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00746 | 0.00472 | 0.0000473 | 0.000204 | 0.0000974 | 0.0653 | 0.00000619 | 0.000211 | 0.000413 | 0.00184 | 0.000448 |
| 2052 Sep | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00745 | 0.00472 | 0.0000472 | 0.000204 | 0.0000973 | 0.0652 | 0.00000619 | 0.000211 | 0.000413 | 0.00184 | 0.000447 |
| 2052 Oct | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00745 | 0.00472 | 0.0000473 | 0.000203 | 0.0000972 | 0.0652 | 0.00000619 | 0.000211 | 0.000413 | 0.00184 | 0.000447 |
| 2052 Nov | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00744 | 0.00472 | 0.0000473 | 0.000203 | 0.0000972 | 0.0652 | 0.00000619 | 0.00021 | 0.000413 | 0.00184 | 0.000447 |
| 2052 Dec | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00744 | 0.00472 | 0.0000473 | 0.000203 | 0.0000972 | 0.0652 | 0.00000619 | 0.00021 | 0.000413 | 0.00184 | 0.000447 |
| 2053 Jan | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00744 | 0.00472 | 0.0000473 | 0.000203 | 0.0000972 | 0.0652 | 0.00000619 | 0.00021 | 0.000413 | 0.00184 | 0.000447 |
| 2053 Feb | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00744 | 0.00472 | 0.0000473 | 0.000203 | 0.0000972 | 0.0652 | 0.00000619 | 0.000211 | 0.000413 | 0.00184 | 0.000447 |
| 2053 Mar | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00744 | 0.00472 | 0.0000473 | 0.000203 | 0.0000972 | 0.0652 | 0.00000619 | 0.000211 | 0.000413 | 0.00184 | 0.000447 |
| 2053 Apr | 0.0000041 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00745 | 0.00472 | 0.0000473 | 0.000203 | 0.0000972 | 0.0652 | 0.00000619 | 0.000211 | 0.000413 | 0.00184 | 0.000447 |
| 2053 May | 0.00000411 | 1.92 | 0.00205 | 2.58 | 0.0353 | 0.00118 | 1.27 | 0.00743 | 0.00472 | 0.0000473 | 0.000204 | 0.0000971 | 0.0652 | 0.00000619 | 0.000211 | 0.000413 | 0.00184 | 0.000445 |
| 2053 Jun | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0349 | 0.00115 | 1.26 | 0.00724 | 0.0047 | 0.000047 | 0.0002 | 0.0000952 | 0.0649 | 0.00000617 | 0.000209 | 0.00041 | 0.00183 | 0.00043 |
| 2053 Jul | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.00722 | 0.0047 | 0.000047 | 0.0002 | 0.0000949 | 0.0649 | 0.00000617 | 0.000208 | 0.00041 | 0.00183 | 0.000428 |
| 2053 Aug | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0349 | 0.00115 | 1.26 | 0.00722 | 0.00471 | 0.000047 | 0.0002 | 0.0000949 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000427 |
| 2053 Sep | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.00721 | 0.00471 | 0.000047 | 0.0002 | 0.0000949 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000427 |
| 2053 Oct | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.00721 | 0.00471 | 0.000047 | 0.0002 | 0.0000948 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000426 |
| 2053 Nov | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.0072 | 0.00471 | 0.0000471 | 0.000199 | 0.0000948 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000426 |
| 2053 Dec | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.0072 | 0.00471 | 0.0000471 | 0.000199 | 0.0000948 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000426 |
| 2054 Jan | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.0072 | 0.00471 | 0.0000471 | 0.000199 | 0.0000948 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000426 |
| 2054 Feb | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.0072 | 0.00471 | 0.0000471 | 0.0002 | 0.0000948 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000426 |
| 2054 Mar | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.0072 | 0.00471 | 0.0000471 | 0.0002 | 0.0000948 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000426 |
| 2054 Apr | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.0072 | 0.00471 | 0.0000471 | 0.0002 | 0.0000948 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000426 |
| 2054 May | 0.00000409 | 1.91 | 0.00204 | 2.55 | 0.0348 | 0.00115 | 1.26 | 0.0072 | 0.00471 | 0.0000471 | 0.0002 | 0.0000948 | 0.0649 | 0.00000618 | 0.000208 | 0.00041 | 0.00184 | 0.000426 |
| 2054 Jun | 0.00000407 | 1.9 | 0.00204 | 2.52 | 0.0345 | 0.00112 | 1.26 | 0.00704 | 0.0047 | 0.0000468 | 0.000196 | 0.0000931 | 0.0647 | 0.00000616 | 0.000206 | 0.000407 | 0.00183 | 0.000413 |

**Appendix D12. WT North Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2054 Jul | 0.00000406 | 1.9 | 0.00203 | 2.51 | 0.0343 | 0.00112 | 1.26 | 0.00697 | 0.00469 | 0.0000467 | 0.000195 | 0.0000924 | 0.0645 | 0.00000615 | 0.000205 | 0.000405 | 0.00183 | 0.000407 |
| 2054 Aug | 0.00000406 | 1.89 | 0.00203 | 2.5 | 0.0342 | 0.00111 | 1.25 | 0.00692 | 0.00468 | 0.0000465 | 0.000194 | 0.0000918 | 0.0644 | 0.00000615 | 0.000205 | 0.000404 | 0.00183 | 0.000402 |
| 2054 Sep | 0.00000405 | 1.89 | 0.00203 | 2.49 | 0.0341 | 0.0011 | 1.25 | 0.00687 | 0.00468 | 0.0000465 | 0.000193 | 0.0000913 | 0.0643 | 0.00000614 | 0.000204 | 0.000403 | 0.00183 | 0.000399 |
| 2054 Oct | 0.00000404 | 1.89 | 0.00202 | 2.48 | 0.034 | 0.00109 | 1.25 | 0.00682 | 0.00467 | 0.0000468 | 0.000192 | 0.0000908 | 0.0642 | 0.00000613 | 0.000203 | 0.000402 | 0.00183 | 0.000395 |
| 2054 Nov | 0.00000404 | 1.89 | 0.00202 | 2.48 | 0.0339 | 0.00109 | 1.25 | 0.0068 | 0.00467 | 0.000047 | 0.000192 | 0.0000906 | 0.0642 | 0.00000613 | 0.000203 | 0.000402 | 0.00183 | 0.000393 |
| 2054 Dec | 0.00000404 | 1.89 | 0.00202 | 2.48 | 0.0339 | 0.00109 | 1.25 | 0.0068 | 0.00467 | 0.000047 | 0.000192 | 0.0000905 | 0.0642 | 0.00000613 | 0.000203 | 0.000402 | 0.00183 | 0.000393 |
| 2055 Jan | 0.00000404 | 1.89 | 0.00202 | 2.48 | 0.0339 | 0.00109 | 1.25 | 0.0068 | 0.00467 | 0.000047 | 0.000192 | 0.0000905 | 0.0642 | 0.00000613 | 0.000203 | 0.000402 | 0.00183 | 0.000393 |
| 2055 Feb | 0.00000404 | 1.89 | 0.00202 | 2.48 | 0.0339 | 0.00109 | 1.25 | 0.0068 | 0.00467 | 0.000047 | 0.000192 | 0.0000905 | 0.0642 | 0.00000613 | 0.000203 | 0.000402 | 0.00183 | 0.000393 |
| 2055 Mar | 0.00000404 | 1.89 | 0.00202 | 2.48 | 0.0339 | 0.00109 | 1.25 | 0.0068 | 0.00467 | 0.000047 | 0.000192 | 0.0000905 | 0.0642 | 0.00000613 | 0.000203 | 0.000402 | 0.00183 | 0.000393 |
| 2055 Apr | 0.00000404 | 1.89 | 0.00202 | 2.48 | 0.0339 | 0.00109 | 1.25 | 0.0068 | 0.00467 | 0.000047 | 0.000192 | 0.0000905 | 0.0642 | 0.00000613 | 0.000203 | 0.000402 | 0.00183 | 0.000393 |
| 2055 May | 0.00000404 | 1.89 | 0.00202 | 2.48 | 0.0339 | 0.00109 | 1.25 | 0.0068 | 0.00467 | 0.000047 | 0.000192 | 0.0000906 | 0.0642 | 0.00000613 | 0.000203 | 0.000402 | 0.00183 | 0.000393 |
| 2055 Jun | 0.00000403 | 1.88 | 0.00201 | 2.46 | 0.0337 | 0.00107 | 1.24 | 0.00667 | 0.00466 | 0.0000468 | 0.000189 | 0.0000892 | 0.0639 | 0.00000611 | 0.000201 | 0.000399 | 0.00182 | 0.000383 |
| 2055 Jul | 0.00000402 | 1.87 | 0.00201 | 2.45 | 0.0335 | 0.00106 | 1.24 | 0.0066 | 0.00465 | 0.0000467 | 0.000188 | 0.0000885 | 0.0638 | 0.00000611 | 0.0002 | 0.000398 | 0.00182 | 0.000377 |
| 2055 Aug | 0.00000402 | 1.87 | 0.00201 | 2.45 | 0.0335 | 0.00106 | 1.24 | 0.00658 | 0.00465 | 0.0000467 | 0.000188 | 0.0000883 | 0.0638 | 0.00000611 | 0.0002 | 0.000398 | 0.00182 | 0.000375 |
| 2055 Sep | 0.00000401 | 1.87 | 0.00201 | 2.44 | 0.0334 | 0.00106 | 1.24 | 0.00654 | 0.00464 | 0.0000467 | 0.000187 | 0.0000879 | 0.0637 | 0.0000061 | 0.000199 | 0.000397 | 0.00182 | 0.000372 |
| 2055 Oct | 0.00000401 | 1.87 | 0.00201 | 2.44 | 0.0333 | 0.00105 | 1.24 | 0.00653 | 0.00464 | 0.0000466 | 0.000187 | 0.0000877 | 0.0636 | 0.0000061 | 0.000199 | 0.000396 | 0.00182 | 0.000371 |
| 2055 Nov | 0.00000401 | 1.87 | 0.00201 | 2.44 | 0.0333 | 0.00105 | 1.24 | 0.00652 | 0.00464 | 0.0000466 | 0.000187 | 0.0000877 | 0.0636 | 0.0000061 | 0.000199 | 0.000396 | 0.00182 | 0.00037 |
| 2055 Dec | 0.00000401 | 1.87 | 0.00201 | 2.44 | 0.0333 | 0.00105 | 1.24 | 0.00652 | 0.00464 | 0.0000466 | 0.000187 | 0.0000877 | 0.0636 | 0.0000061 | 0.000199 | 0.000397 | 0.00182 | 0.00037 |
| 2056 Jan | 0.00000401 | 1.87 | 0.00201 | 2.44 | 0.0333 | 0.00105 | 1.24 | 0.00652 | 0.00464 | 0.0000466 | 0.000187 | 0.0000877 | 0.0636 | 0.0000061 | 0.000199 | 0.000396 | 0.00182 | 0.00037 |
| 2056 Feb | 0.00000401 | 1.87 | 0.00201 | 2.44 | 0.0333 | 0.00105 | 1.24 | 0.00652 | 0.00464 | 0.0000466 | 0.000187 | 0.0000877 | 0.0636 | 0.0000061 | 0.000199 | 0.000397 | 0.00182 | 0.00037 |
| 2056 Mar | 0.00000401 | 1.87 | 0.00201 | 2.44 | 0.0333 | 0.00105 | 1.24 | 0.00652 | 0.00464 | 0.0000466 | 0.000187 | 0.0000877 | 0.0636 | 0.0000061 | 0.000199 | 0.000397 | 0.00182 | 0.00037 |
| 2056 Apr | 0.00000401 | 1.87 | 0.00201 | 2.44 | 0.0333 | 0.00105 | 1.24 | 0.00652 | 0.00464 | 0.0000466 | 0.000187 | 0.0000877 | 0.0636 | 0.0000061 | 0.000199 | 0.000397 | 0.00182 | 0.00037 |
| 2056 May | 0.00000401 | 1.87 | 0.002 | 2.43 | 0.0333 | 0.00105 | 1.24 | 0.0065 | 0.00464 | 0.0000466 | 0.000186 | 0.0000875 | 0.0636 | 0.0000061 | 0.000199 | 0.000396 | 0.00182 | 0.000368 |
| 2056 Jun | 0.00000398 | 1.86 | 0.00199 | 2.4 | 0.0329 | 0.00103 | 1.23 | 0.00632 | 0.00462 | 0.0000463 | 0.000183 | 0.0000856 | 0.0632 | 0.00000607 | 0.000196 | 0.000392 | 0.00181 | 0.000354 |
| 2056 Jul | 0.00000398 | 1.86 | 0.00199 | 2.4 | 0.0329 | 0.00102 | 1.23 | 0.00631 | 0.00462 | 0.0000464 | 0.000183 | 0.0000855 | 0.0632 | 0.00000607 | 0.000196 | 0.000392 | 0.00181 | 0.000353 |
| 2056 Aug | 0.00000399 | 1.86 | 0.00199 | 2.4 | 0.0329 | 0.00103 | 1.23 | 0.00631 | 0.00462 | 0.0000464 | 0.000183 | 0.0000855 | 0.0633 | 0.00000608 | 0.000196 | 0.000393 | 0.00181 | 0.000353 |
| 2056 Sep | 0.00000399 | 1.86 | 0.002 | 2.41 | 0.0329 | 0.00103 | 1.23 | 0.00631 | 0.00462 | 0.0000464 | 0.000183 | 0.0000855 | 0.0633 | 0.00000608 | 0.000196 | 0.000393 | 0.00181 | 0.000353 |
| 2056 Oct | 0.00000399 | 1.86 | 0.00199 | 2.4 | 0.0328 | 0.00102 | 1.23 | 0.00628 | 0.00462 | 0.0000467 | 0.000182 | 0.0000853 | 0.0632 | 0.00000608 | 0.000196 | 0.000392 | 0.00181 | 0.000351 |
| 2056 Nov | 0.00000398 | 1.86 | 0.00199 | 2.4 | 0.0328 | 0.00102 | 1.23 | 0.00628 | 0.00462 | 0.0000467 | 0.000182 | 0.0000852 | 0.0632 | 0.00000607 | 0.000196 | 0.000392 | 0.00181 | 0.00035 |
| 2056 Dec | 0.00000398 | 1.86 | 0.00199 | 2.4 | 0.0328 | 0.00102 | 1.23 | 0.00628 | 0.00462 | 0.0000467 | 0.000182 | 0.0000852 | 0.0632 | 0.00000607 | 0.000196 | 0.000392 | 0.00181 | 0.00035 |
| 2057 Jan | 0.00000398 | 1.86 | 0.00199 | 2.4 | 0.0328 | 0.00102 | 1.23 | 0.00628 | 0.00462 | 0.0000467 | 0.000182 | 0.0000852 | 0.0632 | 0.00000607 | 0.000196 | 0.000392 | 0.00181 | 0.00035 |
| 2057 Feb | 0.00000398 | 1.86 | 0.00199 | 2.4 | 0.0328 | 0.00102 | 1.23 | 0.00628 | 0.00462 | 0.0000467 | 0.000182 | 0.0000852 | 0.0632 | 0.00000607 | 0.000196 | 0.000392 | 0.00181 | 0.00035 |
| 2057 Mar | 0.00000398 | 1.86 | 0.00199 | 2.4 | 0.0328 | 0.00102 | 1.23 | 0.00628 | 0.00462 | 0.0000467 | 0.000182 | 0.0000852 | 0.0632 | 0.00000607 | 0.000196 | 0.000392 | 0.00181 | 0.00035 |
| 2057 Apr | 0.00000398 | 1.86 | 0.00199 | 2.4 | 0.0328 | 0.00102 | 1.23 | 0.00628 | 0.00462 | 0.0000467 | 0.000182 | 0.0000852 | 0.0632 | 0.00000608 | 0.000196 | 0.000392 | 0.00181 | 0.00035 |
| 2057 May | 0.00000399 | 1.85 | 0.00199 | 2.4 | 0.0328 | 0.00102 | 1.23 | 0.00626 | 0.00462 | 0.0000467 | 0.000182 | 0.000085 | 0.0632 | 0.00000608 | 0.000196 | 0.000392 | 0.00181 | 0.000349 |
| 2057 Jun | 0.00000397 | 1.85 | 0.00199 | 2.38 | 0.0325 | 0.001 | 1.23 | 0.00615 | 0.0046 | 0.0000466 | 0.00018 | 0.0000839 | 0.0629 | 0.00000606 | 0.000194 | 0.00039 | 0.00181 | 0.00034 |
| 2057 Jul | 0.00000397 | 1.85 | 0.00199 | 2.38 | 0.0325 | 0.001 | 1.23 | 0.00614 | 0.0046 | 0.0000466 | 0.00018 | 0.0000838 | 0.0629 | 0.00000606 | 0.000194 | 0.00039 | 0.00181 | 0.000339 |
| 2057 Aug | 0.00000397 | 1.85 | 0.00199 | 2.38 | 0.0325 | 0.001 | 1.23 | 0.00614 | 0.00461 | 0.0000466 | 0.00018 | 0.0000838 | 0.063 | 0.00000607 | 0.000194 | 0.00039 | 0.00181 | 0.000338 |
| 2057 Sep | 0.00000397 | 1.85 | 0.00199 | 2.38 | 0.0325 | 0.001 | 1.23 | 0.00612 | 0.00461 | 0.0000466 | 0.000179 | 0.0000836 | 0.0629 | 0.00000607 | 0.000194 | 0.00039 | 0.00181 | 0.000337 |
| 2057 Oct | 0.00000397 | 1.85 | 0.00199 | 2.37 | 0.0324 | 0.000996 | 1.23 | 0.0061 | 0.0046 | 0.0000467 | 0.000179 | 0.0000833 | 0.0629 | 0.00000606 | 0.000194 | 0.000389 | 0.00181 | 0.000335 |
| 2057 Nov | 0.00000397 | 1.85 | 0.00199 | 2.37 | 0.0324 | 0.000996 | 1.23 | 0.00609 | 0.0046 | 0.0000467 | 0.000179 | 0.0000833 | 0.0629 | 0.00000606 | 0.000194 | 0.000389 | 0.00181 | 0.000334 |
| 2057 Dec | 0.00000397 | 1.85 | 0.00199 | 2.37 | 0.0324 | 0.000996 | 1.23 | 0.00609 | 0.0046 | 0.0000467 | 0.000179 | 0.0000833 | 0.0629 | 0.00000606 | 0.000194 | 0.000389 | 0.00181 | 0.000334 |
| 2058 Jan | 0.00000397 | 1.85 | 0.00199 | 2.37 | 0.0324 | 0.000996 | 1.23 | 0.00609 | 0.0046 | 0.0000467 | 0.000179 | 0.0000833 | 0.0629 | 0.00000606 | 0.000194 | 0.000389 | 0.00181 | 0.000334 |
| 2058 Feb | 0.00000397 | 1.85 | 0.00199 | 2.37 | 0.0324 | 0.000996 | 1.23 | 0.00609 | 0.0046 | 0.0000467 | 0.000179 | 0.0000833 | 0.0629 | 0.00000606 | 0.000194 | 0.000389 | 0.00181 | 0.000334 |
| 2058 Mar | 0.00000397 | 1.85 | 0.00199 | 2.37 | 0.0324 | 0.000996 | 1.23 | 0.00609 | 0.0046 | 0.0000467 | 0.000179 | 0.0000833 | 0.0629 | 0.00000606 | 0.000194 | 0.000389 | 0.00181 | 0.000334 |
| 2058 Apr | 0.00000397 | 1.85 | 0.00199 | 2.37 | 0.0324 | 0.000996 | 1.23 | 0.00609 | 0.0046 | 0.0000467 | 0.000179 | 0.0000833 | 0.0629 | 0.00000606 | 0.000194 | 0.000389 | 0.00181 | 0.000334 |
| 2058 May | 0.00000397 | 1.85 | 0.00199 | 2.37 | 0.0324 | 0.000994 | 1.22 | 0.00608 | 0.0046 | 0.0000467 | 0.000179 | 0.0000832 | 0.0629 | 0.00000607 | 0.000194 | 0.000389 | 0.00181 | 0.000333 |
| 2058 Jun | 0.00000397 | 1.84 | 0.00198 | 2.34 | 0.0321 | 0.000974 | 1.22 | 0.00592 | 0.00458 | 0.0000465 | 0.000176 | 0.0000817 | 0.0625 | 0.00000605 | 0.000193 | 0.000387 | 0.00181 | 0.000321 |
| 2058 Jul | 0.00000397 | 1.84 | 0.00198 | 2.34 | 0.0321 | 0.000973 | 1.22 | 0.00592 | 0.00459 | 0.0000465 | 0.000176 | 0.0000817 | 0.0626 | 0.00000605 | 0.000193 | 0.000387 | 0.00181 | 0.00032 |
| 2058 Aug | 0.00000397 | 1.84 | 0.00198 | 2.35 | 0.0321 | 0.000974 | 1.22 | 0.00592 | 0.00459 | 0.0000466 | 0.000176 | 0.0000817 | 0.0626 | 0.00000606 | 0.000193 | 0.000387 | 0.00181 | 0.00032 |
| 2058 Sep | 0.00000397 | 1.84 | 0.00198 | 2.34 | 0.0321 | 0.000971 | 1.22 | 0.0059 | 0.00458 | 0.0000465 | 0.000176 | 0.0000815 | 0.0625 | 0.00000606 | 0.000193 | 0.000387 | 0.00181 | 0.000318 |
| 2058 Oct | 0.00000397 | 1.84 | 0.00198 | 2.34 | 0.032 | 0.000966 | 1.22 | 0.00587 | 0.00458 | 0.0000466 | 0.000175 | 0.0000812 | 0.0625 | 0.00000605 | 0.000192 | 0.000386 | 0.00181 | 0.000315 |
| 2058 Nov | 0.00000396 | 1.84 | 0.00198 | 2.33 | 0.032 | 0.000966 | 1.22 | 0.00586 | 0.00458 | 0.0000466 | 0.000175 | 0.0000811 | 0.0625 | 0.00000605 | 0.000192 | 0.000386 | 0.00181 | 0.000315 |
| 2058 Dec | 0.00000396 | 1.84 | 0.00198 | 2.33 | 0.032 | 0.000965 | 1.22 | 0.00586 | 0.00458 | 0.0000466 | 0.000175 | 0.0000811 | 0.0625 | 0.00000605 | 0.000192 | 0.000386 | 0.00181 | 0.000315 |
| 2059 Jan | 0.00000396 | 1.84 | 0.00198 | 2.33 | 0.032 | 0.000965 | 1.22 | 0.00586 | 0.00458 | 0.0000466 | 0.000175 | 0.0000811 | 0.0625 | 0.00000605 | 0.000192 | 0.000386 | 0.00181 | 0.000315 |
| 2059 Feb | 0.00000396 | 1.84 | 0.00198 | 2.33 | 0.032 | 0.000965 | 1.22 | 0.00586 | 0.00458 | 0.0000466 | 0.000175 | 0.0000811 | 0.0625 | 0.00000605 | 0.000192 | 0.000386 | 0.00181 | 0.000315 |
| 2059 Mar | 0.00000396 | 1.84 | 0.00198 | 2.33 | 0.032 | 0.000965 | 1.22 | 0.00586 | 0.00458 | 0.0000466 | 0.000175 | 0.0000811 | 0.0625 | 0.00000605 | 0.000192 | 0.000386 | 0.00181 | 0.000315 |
| 2059 Apr | 0.00000396 | 1.84 | 0.00198 | 2.33 | 0.032 | 0.000965 | 1.22 | 0.00586 | 0.00458 | 0.0000466 | 0.000175 | 0.0000811 | 0.0625 | 0.00000605 | 0.000192 | 0.000386 | 0.00181 | 0.000315 |
| 2059 May | 0.00000396 | 1.83 | 0.00198 | 2.33 | 0.032 | 0.000964 | 1.22 | 0.00585 | 0.00458 | 0.0000466 | 0.000175 | 0.000081 | 0.0625 | 0.00000605 | 0.000192 | 0.000386 | 0.00181 | 0.000314 |
| 2059 Jun | 0.00000395 | 1.83 | 0.00197 | 2.32 | 0.0318 | 0.000953 | 1.21 | 0.00576 | 0.00457 | 0.0000465 | 0.000174 | 0.0000801 | 0.0623 | 0.00000604 | 0.000191 | 0.000384 | 0.00181 | 0.000307 |
| 2059 Jul | 0.00000396 | 1.83 | 0.00197 | 2.32 | 0.0318 | 0.000953 | 1.22 | 0.00577 | 0.00457 | 0.0000465 | 0.000174 | 0.0000801 | 0.0623 | 0.00000605 | 0.000191 | 0.000384 | 0.00181 | 0.000307 |
| 2059 Aug | 0.00000396 | 1.83 | 0.00197 | 2.32 | 0.0318 | 0.000953 | 1.22 | 0.00577 | 0.00458 | 0.0000466 | 0.000174 | 0.0000802 | 0.0624 | 0.00000605 | 0.000191 | 0.000385 | 0.00181 | 0.000307 |
| 2059 Sep | 0.00000396 | 1.83 | 0.00197 | 2.32 | 0.0318 | 0.000951 | 1.22 | 0.00575 | 0.00457 | 0.0000466 | 0.000174 | 0.00008 | 0.0623 | 0.00000605 | 0.000191 | 0.000384 | 0.00181 | 0.000305 |
| 2059 Oct | 0.00000395 | 1.83 | 0.00197 | 2.31 | 0.0317 | 0.000945 | 1.21 | 0.00571 | 0.00457 | 0.0000469 | 0.000173 | 0.0000796 | 0.0623 | 0.00000604 | 0.00019 | 0.000383 | 0.00181 | 0.000302 |
| 2059 Nov | 0.00000395 | 1.83 | 0.00197 | 2.31 | 0.0317 | 0.000945 | 1.21 | 0.0057 | 0.00457 | 0.0000469 | 0.000173 | 0.0000795 | 0.0623 | 0.00000604 | 0.00019 | 0.000383 | 0.00181 | 0.000301 |

**Appendix D12. WT North Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2059 Dec | 0.00000395 | 1.83 | 0.00197 | 2.31 | 0.0317 | 0.000944 | 1.21 | 0.0057 | 0.00457 | 0.0000469 | 0.000173 | 0.0000795 | 0.0623 | 0.00000604 | 0.00019 | 0.000383 | 0.00181 | 0.000301 |
| 2060 Jan | 0.00000395 | 1.83 | 0.00197 | 2.31 | 0.0317 | 0.000944 | 1.21 | 0.0057 | 0.00457 | 0.0000469 | 0.000173 | 0.0000795 | 0.0623 | 0.00000604 | 0.00019 | 0.000383 | 0.00181 | 0.000301 |
| 2060 Feb | 0.00000395 | 1.83 | 0.00197 | 2.31 | 0.0317 | 0.000944 | 1.21 | 0.0057 | 0.00457 | 0.0000469 | 0.000173 | 0.0000795 | 0.0623 | 0.00000604 | 0.00019 | 0.000383 | 0.00181 | 0.000301 |
| 2060 Mar | 0.00000395 | 1.83 | 0.00197 | 2.31 | 0.0317 | 0.000944 | 1.21 | 0.0057 | 0.00457 | 0.0000469 | 0.000173 | 0.0000795 | 0.0623 | 0.00000604 | 0.00019 | 0.000383 | 0.00181 | 0.000301 |
| 2060 Apr | 0.00000395 | 1.83 | 0.00197 | 2.31 | 0.0317 | 0.000944 | 1.21 | 0.0057 | 0.00457 | 0.0000469 | 0.000173 | 0.0000795 | 0.0623 | 0.00000604 | 0.00019 | 0.000383 | 0.00181 | 0.000301 |
| 2060 May | 0.00000395 | 1.82 | 0.00197 | 2.3 | 0.0316 | 0.000936 | 1.21 | 0.00564 | 0.00456 | 0.0000468 | 0.000171 | 0.0000789 | 0.0622 | 0.00000604 | 0.000189 | 0.000382 | 0.00181 | 0.000297 |
| 2060 Jun | 0.00000394 | 1.82 | 0.00196 | 2.29 | 0.0314 | 0.000927 | 1.21 | 0.00557 | 0.00455 | 0.0000468 | 0.00017 | 0.0000781 | 0.062 | 0.00000603 | 0.000188 | 0.000381 | 0.00181 | 0.000291 |
| 2060 Jul | 0.00000394 | 1.82 | 0.00197 | 2.29 | 0.0314 | 0.000928 | 1.21 | 0.00558 | 0.00456 | 0.0000468 | 0.00017 | 0.0000782 | 0.0621 | 0.00000603 | 0.000189 | 0.000381 | 0.00181 | 0.000291 |
| 2060 Aug | 0.00000394 | 1.82 | 0.00196 | 2.29 | 0.0314 | 0.000925 | 1.21 | 0.00556 | 0.00455 | 0.0000468 | 0.00017 | 0.000078 | 0.062 | 0.00000603 | 0.000188 | 0.000381 | 0.00181 | 0.000289 |
| 2060 Sep | 0.00000393 | 1.81 | 0.00196 | 2.28 | 0.0313 | 0.000918 | 1.21 | 0.0055 | 0.00454 | 0.0000467 | 0.000169 | 0.0000774 | 0.0619 | 0.00000602 | 0.000188 | 0.00038 | 0.00181 | 0.000285 |
| 2060 Oct | 0.00000393 | 1.81 | 0.00196 | 2.27 | 0.0312 | 0.000914 | 1.2 | 0.00547 | 0.00454 | 0.0000468 | 0.000168 | 0.0000771 | 0.0618 | 0.00000602 | 0.000187 | 0.000379 | 0.0018 | 0.000282 |
| 2060 Nov | 0.00000393 | 1.81 | 0.00196 | 2.27 | 0.0312 | 0.000913 | 1.2 | 0.00547 | 0.00454 | 0.0000468 | 0.000168 | 0.0000771 | 0.0618 | 0.00000602 | 0.000187 | 0.000379 | 0.0018 | 0.000282 |
| 2060 Dec | 0.00000392 | 1.81 | 0.00196 | 2.27 | 0.0312 | 0.000913 | 1.2 | 0.00547 | 0.00454 | 0.0000468 | 0.000168 | 0.0000771 | 0.0618 | 0.00000602 | 0.000187 | 0.000379 | 0.0018 | 0.000282 |
| 2061 Jan | 0.00000392 | 1.81 | 0.00196 | 2.27 | 0.0312 | 0.000913 | 1.2 | 0.00547 | 0.00454 | 0.0000468 | 0.000168 | 0.0000771 | 0.0618 | 0.00000602 | 0.000187 | 0.000379 | 0.0018 | 0.000282 |
| 2061 Feb | 0.00000392 | 1.81 | 0.00196 | 2.27 | 0.0312 | 0.000913 | 1.2 | 0.00547 | 0.00454 | 0.0000468 | 0.000168 | 0.0000771 | 0.0618 | 0.00000602 | 0.000187 | 0.000379 | 0.0018 | 0.000282 |
| 2061 Mar | 0.00000392 | 1.81 | 0.00196 | 2.27 | 0.0312 | 0.000913 | 1.2 | 0.00547 | 0.00454 | 0.0000468 | 0.000168 | 0.0000771 | 0.0618 | 0.00000602 | 0.000187 | 0.000379 | 0.0018 | 0.000282 |
| 2061 Apr | 0.00000393 | 1.81 | 0.00196 | 2.27 | 0.0312 | 0.000913 | 1.2 | 0.00547 | 0.00454 | 0.0000468 | 0.000168 | 0.0000771 | 0.0618 | 0.00000602 | 0.000187 | 0.000379 | 0.0018 | 0.000282 |
| 2061 May | 0.00000393 | 1.81 | 0.00196 | 2.27 | 0.0312 | 0.000911 | 1.2 | 0.00546 | 0.00454 | 0.0000468 | 0.000168 | 0.000077 | 0.0618 | 0.00000602 | 0.000187 | 0.000379 | 0.00181 | 0.000281 |
| 2061 Jun | 0.0000039 | 1.8 | 0.00195 | 2.24 | 0.0308 | 0.000889 | 1.2 | 0.00529 | 0.00451 | 0.0000465 | 0.000165 | 0.0000752 | 0.0614 | 0.00000599 | 0.000185 | 0.000375 | 0.0018 | 0.000269 |
| 2061 Jul | 0.0000039 | 1.8 | 0.00195 | 2.24 | 0.0307 | 0.000885 | 1.2 | 0.00527 | 0.00451 | 0.0000465 | 0.000164 | 0.000075 | 0.0613 | 0.00000599 | 0.000184 | 0.000375 | 0.0018 | 0.000266 |
| 2061 Aug | 0.0000039 | 1.8 | 0.00195 | 2.24 | 0.0307 | 0.000885 | 1.2 | 0.00527 | 0.00451 | 0.0000465 | 0.000164 | 0.000075 | 0.0613 | 0.00000599 | 0.000184 | 0.000375 | 0.0018 | 0.000266 |
| 2061 Sep | 0.0000039 | 1.8 | 0.00195 | 2.24 | 0.0307 | 0.000884 | 1.2 | 0.00526 | 0.00451 | 0.0000465 | 0.000164 | 0.0000749 | 0.0613 | 0.00000599 | 0.000184 | 0.000375 | 0.0018 | 0.000265 |
| 2061 Oct | 0.00000389 | 1.79 | 0.00194 | 2.23 | 0.0307 | 0.000881 | 1.19 | 0.00524 | 0.0045 | 0.0000468 | 0.000164 | 0.0000746 | 0.0612 | 0.00000599 | 0.000184 | 0.000374 | 0.0018 | 0.000263 |
| 2061 Nov | 0.00000389 | 1.79 | 0.00194 | 2.23 | 0.0306 | 0.00088 | 1.19 | 0.00523 | 0.0045 | 0.0000469 | 0.000163 | 0.0000746 | 0.0612 | 0.00000598 | 0.000184 | 0.000374 | 0.0018 | 0.000263 |
| 2061 Dec | 0.00000389 | 1.79 | 0.00194 | 2.23 | 0.0306 | 0.00088 | 1.19 | 0.00523 | 0.0045 | 0.0000469 | 0.000163 | 0.0000745 | 0.0612 | 0.00000598 | 0.000184 | 0.000374 | 0.0018 | 0.000263 |
| 2062 Jan | 0.00000389 | 1.79 | 0.00194 | 2.23 | 0.0306 | 0.00088 | 1.19 | 0.00523 | 0.0045 | 0.0000469 | 0.000163 | 0.0000745 | 0.0612 | 0.00000598 | 0.000184 | 0.000374 | 0.0018 | 0.000263 |
| 2062 Feb | 0.00000389 | 1.79 | 0.00194 | 2.23 | 0.0306 | 0.00088 | 1.19 | 0.00523 | 0.0045 | 0.0000469 | 0.000163 | 0.0000745 | 0.0612 | 0.00000598 | 0.000184 | 0.000374 | 0.0018 | 0.000263 |
| 2062 Mar | 0.00000389 | 1.79 | 0.00194 | 2.23 | 0.0306 | 0.00088 | 1.19 | 0.00523 | 0.0045 | 0.0000469 | 0.000163 | 0.0000745 | 0.0612 | 0.00000598 | 0.000184 | 0.000374 | 0.0018 | 0.000263 |
| 2062 Apr | 0.00000389 | 1.79 | 0.00194 | 2.23 | 0.0306 | 0.00088 | 1.19 | 0.00523 | 0.0045 | 0.0000469 | 0.000163 | 0.0000745 | 0.0612 | 0.00000598 | 0.000184 | 0.000374 | 0.0018 | 0.000263 |
| 2062 May | 0.00000389 | 1.79 | 0.00194 | 2.23 | 0.0306 | 0.00088 | 1.19 | 0.00523 | 0.0045 | 0.0000469 | 0.000163 | 0.0000746 | 0.0613 | 0.00000599 | 0.000184 | 0.000374 | 0.0018 | 0.000263 |
| 2062 Jun | 0.00000389 | 1.79 | 0.00194 | 2.21 | 0.0305 | 0.000867 | 1.19 | 0.00513 | 0.00449 | 0.0000467 | 0.000162 | 0.0000736 | 0.061 | 0.00000598 | 0.000183 | 0.000372 | 0.00179 | 0.000255 |
| 2062 Jul | 0.00000388 | 1.78 | 0.00193 | 2.2 | 0.0303 | 0.000857 | 1.19 | 0.00506 | 0.00448 | 0.0000466 | 0.000161 | 0.0000729 | 0.0608 | 0.00000596 | 0.000182 | 0.000371 | 0.00179 | 0.000249 |
| 2062 Aug | 0.00000388 | 1.78 | 0.00193 | 2.2 | 0.0303 | 0.000856 | 1.19 | 0.00505 | 0.00448 | 0.0000466 | 0.000161 | 0.0000728 | 0.0608 | 0.00000596 | 0.000182 | 0.000371 | 0.00179 | 0.000248 |
| 2062 Sep | 0.00000388 | 1.78 | 0.00193 | 2.19 | 0.0302 | 0.000852 | 1.18 | 0.00502 | 0.00447 | 0.0000466 | 0.00016 | 0.0000725 | 0.0607 | 0.00000596 | 0.000182 | 0.00037 | 0.00179 | 0.000246 |
| 2062 Oct | 0.00000386 | 1.77 | 0.00192 | 2.18 | 0.03 | 0.000844 | 1.18 | 0.00496 | 0.00446 | 0.000047 | 0.000159 | 0.0000719 | 0.0605 | 0.00000594 | 0.00018 | 0.000369 | 0.00179 | 0.000242 |
| 2062 Nov | 0.00000386 | 1.77 | 0.00192 | 2.18 | 0.03 | 0.000843 | 1.18 | 0.00496 | 0.00446 | 0.0000471 | 0.000159 | 0.0000718 | 0.0605 | 0.00000594 | 0.00018 | 0.000368 | 0.00179 | 0.000241 |
| 2062 Dec | 0.00000386 | 1.77 | 0.00192 | 2.18 | 0.03 | 0.000843 | 1.18 | 0.00496 | 0.00446 | 0.0000471 | 0.000159 | 0.0000718 | 0.0605 | 0.00000594 | 0.00018 | 0.000368 | 0.00179 | 0.000241 |
| 2063 Jan | 0.00000386 | 1.77 | 0.00192 | 2.18 | 0.03 | 0.000843 | 1.18 | 0.00496 | 0.00446 | 0.0000471 | 0.000159 | 0.0000718 | 0.0605 | 0.00000594 | 0.00018 | 0.000368 | 0.00179 | 0.000241 |
| 2063 Feb | 0.00000386 | 1.77 | 0.00192 | 2.18 | 0.03 | 0.000843 | 1.18 | 0.00496 | 0.00446 | 0.0000471 | 0.000159 | 0.0000718 | 0.0605 | 0.00000594 | 0.00018 | 0.000368 | 0.00179 | 0.000241 |
| 2063 Mar | 0.00000386 | 1.77 | 0.00192 | 2.18 | 0.03 | 0.000843 | 1.18 | 0.00496 | 0.00446 | 0.0000471 | 0.000159 | 0.0000718 | 0.0605 | 0.00000594 | 0.00018 | 0.000368 | 0.00179 | 0.000241 |
| 2063 Apr | 0.00000386 | 1.77 | 0.00192 | 2.18 | 0.03 | 0.000843 | 1.18 | 0.00496 | 0.00446 | 0.0000471 | 0.000159 | 0.0000718 | 0.0605 | 0.00000594 | 0.00018 | 0.000368 | 0.00179 | 0.000241 |
| 2063 May | 0.00000386 | 1.77 | 0.00192 | 2.18 | 0.03 | 0.000843 | 1.18 | 0.00495 | 0.00446 | 0.0000471 | 0.000159 | 0.0000718 | 0.0605 | 0.00000594 | 0.00018 | 0.000368 | 0.00179 | 0.000241 |
| 2063 Jun | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0297 | 0.000821 | 1.17 | 0.0048 | 0.00443 | 0.0000469 | 0.000156 | 0.0000702 | 0.0601 | 0.00000591 | 0.000178 | 0.000365 | 0.00178 | 0.00023 |
| 2063 Jul | 0.00000383 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00443 | 0.0000469 | 0.000155 | 0.0000699 | 0.0601 | 0.00000591 | 0.000178 | 0.000364 | 0.00178 | 0.000227 |
| 2063 Aug | 0.00000383 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.0000469 | 0.000155 | 0.0000699 | 0.0601 | 0.00000591 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2063 Sep | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.000047 | 0.000155 | 0.0000699 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2063 Oct | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.0000471 | 0.000155 | 0.0000699 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2063 Nov | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.0000471 | 0.000155 | 0.0000699 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2063 Dec | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.0000471 | 0.000155 | 0.0000699 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2064 Jan | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.0000471 | 0.000155 | 0.0000699 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2064 Feb | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.0000471 | 0.000155 | 0.0000699 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2064 Mar | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.0000471 | 0.000155 | 0.0000699 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2064 Apr | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000818 | 1.17 | 0.00478 | 0.00444 | 0.0000471 | 0.000155 | 0.0000699 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000227 |
| 2064 May | 0.00000384 | 1.76 | 0.00191 | 2.15 | 0.0296 | 0.000815 | 1.17 | 0.00475 | 0.00443 | 0.0000471 | 0.000155 | 0.0000697 | 0.0601 | 0.00000592 | 0.000178 | 0.000365 | 0.00178 | 0.000225 |
| 2064 Jun | 0.00000384 | 1.75 | 0.00191 | 2.13 | 0.0294 | 0.000805 | 1.17 | 0.00468 | 0.00442 | 0.000047 | 0.000154 | 0.000069 | 0.0599 | 0.00000591 | 0.000177 | 0.000363 | 0.00178 | 0.000219 |
| 2064 Jul | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000806 | 1.17 | 0.00468 | 0.00442 | 0.000047 | 0.000154 | 0.0000691 | 0.0599 | 0.00000591 | 0.000178 | 0.000364 | 0.00178 | 0.000219 |
| 2064 Aug | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000805 | 1.17 | 0.00468 | 0.00442 | 0.0000471 | 0.000154 | 0.000069 | 0.0599 | 0.00000592 | 0.000178 | 0.000364 | 0.00178 | 0.000218 |
| 2064 Sep | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000803 | 1.17 | 0.00466 | 0.00442 | 0.000047 | 0.000154 | 0.0000689 | 0.0599 | 0.00000591 | 0.000177 | 0.000363 | 0.00178 | 0.000217 |
| 2064 Oct | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000802 | 1.17 | 0.00465 | 0.00442 | 0.000047 | 0.000154 | 0.0000688 | 0.0599 | 0.00000591 | 0.000177 | 0.000363 | 0.00178 | 0.000216 |
| 2064 Nov | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000802 | 1.17 | 0.00465 | 0.00442 | 0.0000471 | 0.000154 | 0.0000688 | 0.0599 | 0.00000591 | 0.000177 | 0.000363 | 0.00178 | 0.000216 |
| 2064 Dec | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000802 | 1.17 | 0.00465 | 0.00442 | 0.0000471 | 0.000154 | 0.0000688 | 0.0599 | 0.00000591 | 0.000177 | 0.000363 | 0.00178 | 0.000216 |
| 2065 Jan | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000802 | 1.17 | 0.00465 | 0.00442 | 0.0000471 | 0.000154 | 0.0000688 | 0.0599 | 0.00000591 | 0.000177 | 0.000363 | 0.00178 | 0.000216 |
| 2065 Feb | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000802 | 1.17 | 0.00465 | 0.00442 | 0.0000471 | 0.000154 | 0.0000688 | 0.0599 | 0.00000591 | 0.000177 | 0.000363 | 0.00178 | 0.000216 |
| 2065 Mar | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000803 | 1.17 | 0.00465 | 0.00442 | 0.0000471 | 0.000154 | 0.0000688 | 0.0599 | 0.00000592 | 0.000177 | 0.000363 | 0.00178 | 0.000216 |
| 2065 Apr | 0.00000384 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000803 | 1.17 | 0.00465 | 0.00442 | 0.0000471 | 0.000154 | 0.0000688 | 0.0599 | 0.00000592 | 0.000177 | 0.000363 | 0.00178 | 0.000216 |

**Appendix D12. WT North Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 May | 0.00000385 | 1.76 | 0.00191 | 2.13 | 0.0294 | 0.000802 | 1.17 | 0.00465 | 0.00442 | 0.0000471 | 0.000154 | 0.0000688 | 0.0599 | 0.00000592 | 0.000178 | 0.000364 | 0.00178 | 0.000215 |
| 2065 Jun | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0292 | 0.000788 | 1.16 | 0.00455 | 0.00441 | 0.0000469 | 0.000152 | 0.0000677 | 0.0597 | 0.0000059 | 0.000176 | 0.000361 | 0.00178 | 0.000208 |
| 2065 Jul | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0292 | 0.000787 | 1.17 | 0.00454 | 0.00441 | 0.0000469 | 0.000152 | 0.0000676 | 0.0597 | 0.0000059 | 0.000176 | 0.000361 | 0.00178 | 0.000207 |
| 2065 Aug | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0292 | 0.000787 | 1.17 | 0.00454 | 0.00442 | 0.0000469 | 0.000152 | 0.0000677 | 0.0597 | 0.00000591 | 0.000176 | 0.000361 | 0.00178 | 0.000207 |
| 2065 Sep | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0292 | 0.000787 | 1.17 | 0.00454 | 0.00441 | 0.0000469 | 0.000152 | 0.0000676 | 0.0597 | 0.00000591 | 0.000176 | 0.000361 | 0.00178 | 0.000206 |
| 2065 Oct | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0291 | 0.000783 | 1.16 | 0.00451 | 0.00441 | 0.0000473 | 0.000151 | 0.0000673 | 0.0596 | 0.0000059 | 0.000176 | 0.000361 | 0.00178 | 0.000204 |
| 2065 Nov | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0291 | 0.000782 | 1.16 | 0.0045 | 0.00441 | 0.0000474 | 0.000151 | 0.0000672 | 0.0596 | 0.0000059 | 0.000175 | 0.000361 | 0.00178 | 0.000203 |
| 2065 Dec | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0291 | 0.000782 | 1.16 | 0.0045 | 0.00441 | 0.0000474 | 0.000151 | 0.0000672 | 0.0596 | 0.0000059 | 0.000175 | 0.000361 | 0.00178 | 0.000203 |
| 2066 Jan | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0291 | 0.000782 | 1.16 | 0.0045 | 0.00441 | 0.0000474 | 0.000151 | 0.0000672 | 0.0596 | 0.0000059 | 0.000176 | 0.000361 | 0.00178 | 0.000203 |
| 2066 Feb | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0291 | 0.000782 | 1.16 | 0.0045 | 0.00441 | 0.0000474 | 0.000151 | 0.0000672 | 0.0596 | 0.0000059 | 0.000176 | 0.000361 | 0.00178 | 0.000203 |
| 2066 Mar | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0291 | 0.000782 | 1.16 | 0.0045 | 0.00441 | 0.0000474 | 0.000151 | 0.0000672 | 0.0596 | 0.0000059 | 0.000176 | 0.000361 | 0.00178 | 0.000203 |
| 2066 Apr | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0291 | 0.000782 | 1.16 | 0.0045 | 0.00441 | 0.0000474 | 0.000151 | 0.0000673 | 0.0596 | 0.0000059 | 0.000176 | 0.000361 | 0.00178 | 0.000203 |
| 2066 May | 0.00000383 | 1.75 | 0.0019 | 2.11 | 0.0291 | 0.000782 | 1.16 | 0.0045 | 0.00441 | 0.0000474 | 0.000151 | 0.0000672 | 0.0596 | 0.0000059 | 0.000176 | 0.000361 | 0.00178 | 0.000203 |
| 2066 Jun | 0.00000382 | 1.74 | 0.00189 | 2.09 | 0.0289 | 0.00077 | 1.16 | 0.00441 | 0.0044 | 0.0000473 | 0.00015 | 0.0000663 | 0.0594 | 0.00000589 | 0.000175 | 0.000359 | 0.00178 | 0.000196 |
| 2066 Jul | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000771 | 1.16 | 0.00441 | 0.0044 | 0.0000473 | 0.00015 | 0.0000664 | 0.0595 | 0.0000059 | 0.000175 | 0.00036 | 0.00178 | 0.000196 |
| 2066 Aug | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000771 | 1.16 | 0.00441 | 0.0044 | 0.0000474 | 0.00015 | 0.0000664 | 0.0595 | 0.0000059 | 0.000175 | 0.00036 | 0.00178 | 0.000195 |
| 2066 Sep | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.00077 | 1.16 | 0.00441 | 0.0044 | 0.0000474 | 0.00015 | 0.0000664 | 0.0595 | 0.0000059 | 0.000175 | 0.00036 | 0.00178 | 0.000195 |
| 2066 Oct | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000768 | 1.16 | 0.00439 | 0.0044 | 0.0000475 | 0.000149 | 0.0000662 | 0.0595 | 0.0000059 | 0.000175 | 0.000359 | 0.00178 | 0.000193 |
| 2066 Nov | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000766 | 1.16 | 0.00438 | 0.0044 | 0.0000477 | 0.000149 | 0.0000661 | 0.0595 | 0.0000059 | 0.000175 | 0.000359 | 0.00178 | 0.000193 |
| 2066 Dec | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000766 | 1.16 | 0.00438 | 0.0044 | 0.0000477 | 0.000149 | 0.0000661 | 0.0595 | 0.0000059 | 0.000175 | 0.000359 | 0.00178 | 0.000193 |
| 2067 Jan | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000766 | 1.16 | 0.00438 | 0.0044 | 0.0000477 | 0.000149 | 0.0000661 | 0.0595 | 0.0000059 | 0.000175 | 0.000359 | 0.00178 | 0.000193 |
| 2067 Feb | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000766 | 1.16 | 0.00438 | 0.0044 | 0.0000477 | 0.000149 | 0.0000661 | 0.0595 | 0.0000059 | 0.000175 | 0.000359 | 0.00178 | 0.000193 |
| 2067 Mar | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000767 | 1.16 | 0.00438 | 0.0044 | 0.0000477 | 0.000149 | 0.0000661 | 0.0595 | 0.0000059 | 0.000175 | 0.000359 | 0.00178 | 0.000193 |
| 2067 Apr | 0.00000383 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000767 | 1.16 | 0.00438 | 0.0044 | 0.0000477 | 0.000149 | 0.0000661 | 0.0595 | 0.0000059 | 0.000175 | 0.000359 | 0.00178 | 0.000193 |
| 2067 May | 0.00000384 | 1.74 | 0.0019 | 2.09 | 0.0289 | 0.000766 | 1.16 | 0.00437 | 0.0044 | 0.0000477 | 0.000149 | 0.0000661 | 0.0594 | 0.00000591 | 0.000175 | 0.00036 | 0.00178 | 0.000192 |
| 2067 Jun | 0.00000382 | 1.74 | 0.00189 | 2.08 | 0.0287 | 0.000756 | 1.16 | 0.0043 | 0.00439 | 0.0000476 | 0.000148 | 0.0000654 | 0.0593 | 0.00000589 | 0.000174 | 0.000358 | 0.00178 | 0.000187 |
| 2067 Jul | 0.00000383 | 1.74 | 0.0019 | 2.08 | 0.0288 | 0.000757 | 1.16 | 0.00431 | 0.0044 | 0.0000477 | 0.000148 | 0.0000654 | 0.0594 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000186 |
| 2067 Aug | 0.00000383 | 1.74 | 0.00189 | 2.08 | 0.0287 | 0.000754 | 1.16 | 0.00429 | 0.00439 | 0.0000477 | 0.000148 | 0.0000652 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000185 |
| 2067 Sep | 0.00000383 | 1.74 | 0.0019 | 2.08 | 0.0287 | 0.000754 | 1.16 | 0.00428 | 0.0044 | 0.0000477 | 0.000148 | 0.0000652 | 0.0594 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000184 |
| 2067 Oct | 0.00000383 | 1.74 | 0.00189 | 2.07 | 0.0287 | 0.000753 | 1.16 | 0.00428 | 0.00439 | 0.0000478 | 0.000148 | 0.0000651 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000183 |
| 2067 Nov | 0.00000383 | 1.74 | 0.00189 | 2.07 | 0.0287 | 0.000753 | 1.16 | 0.00427 | 0.00439 | 0.0000479 | 0.000148 | 0.0000651 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000183 |
| 2067 Dec | 0.00000383 | 1.74 | 0.00189 | 2.07 | 0.0287 | 0.000753 | 1.16 | 0.00427 | 0.00439 | 0.0000479 | 0.000148 | 0.0000651 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000183 |
| 2068 Jan | 0.00000383 | 1.74 | 0.00189 | 2.07 | 0.0287 | 0.000753 | 1.16 | 0.00427 | 0.00439 | 0.0000479 | 0.000148 | 0.0000651 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000183 |
| 2068 Feb | 0.00000383 | 1.74 | 0.00189 | 2.07 | 0.0287 | 0.000753 | 1.16 | 0.00427 | 0.00439 | 0.0000479 | 0.000148 | 0.0000651 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000183 |
| 2068 Mar | 0.00000383 | 1.74 | 0.00189 | 2.07 | 0.0287 | 0.000753 | 1.16 | 0.00427 | 0.00439 | 0.0000479 | 0.000148 | 0.0000651 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000183 |
| 2068 Apr | 0.00000383 | 1.74 | 0.0019 | 2.07 | 0.0287 | 0.000753 | 1.16 | 0.00428 | 0.00439 | 0.0000479 | 0.000148 | 0.0000651 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000183 |
| 2068 May | 0.00000383 | 1.74 | 0.00189 | 2.07 | 0.0287 | 0.000751 | 1.16 | 0.00426 | 0.00439 | 0.0000479 | 0.000148 | 0.000065 | 0.0593 | 0.0000059 | 0.000174 | 0.000358 | 0.00178 | 0.000182 |
| 2068 Jun | 0.00000381 | 1.73 | 0.00189 | 2.05 | 0.0285 | 0.000737 | 1.15 | 0.00416 | 0.00438 | 0.0000477 | 0.000145 | 0.0000639 | 0.0591 | 0.00000588 | 0.000172 | 0.000356 | 0.00178 | 0.000175 |
| 2068 Jul | 0.00000381 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000737 | 1.15 | 0.00416 | 0.00438 | 0.0000478 | 0.000145 | 0.0000639 | 0.0591 | 0.00000589 | 0.000173 | 0.000356 | 0.00178 | 0.000174 |
| 2068 Aug | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00417 | 0.00439 | 0.0000478 | 0.000146 | 0.000064 | 0.0592 | 0.00000589 | 0.000173 | 0.000356 | 0.00178 | 0.000174 |
| 2068 Sep | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00416 | 0.00438 | 0.0000478 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000356 | 0.00178 | 0.000174 |
| 2068 Oct | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00416 | 0.00439 | 0.0000478 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000356 | 0.00178 | 0.000174 |
| 2068 Nov | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00416 | 0.00439 | 0.0000479 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000356 | 0.00178 | 0.000174 |
| 2068 Dec | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00416 | 0.00439 | 0.0000479 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000356 | 0.00178 | 0.000174 |
| 2069 Jan | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00416 | 0.00439 | 0.0000479 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000356 | 0.00178 | 0.000174 |
| 2069 Feb | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00416 | 0.00439 | 0.0000479 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000356 | 0.00178 | 0.000174 |
| 2069 Mar | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00416 | 0.00439 | 0.0000479 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000357 | 0.00178 | 0.000174 |
| 2069 Apr | 0.00000382 | 1.73 | 0.00189 | 2.06 | 0.0285 | 0.000738 | 1.16 | 0.00416 | 0.00439 | 0.0000479 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000357 | 0.00178 | 0.000174 |
| 2069 May | 0.00000383 | 1.74 | 0.00189 | 2.06 | 0.0285 | 0.000739 | 1.16 | 0.00416 | 0.00439 | 0.0000479 | 0.000146 | 0.000064 | 0.0592 | 0.0000059 | 0.000173 | 0.000357 | 0.00178 | 0.000174 |
| 2069 Jun | 0.00000382 | 1.73 | 0.00189 | 2.05 | 0.0284 | 0.000733 | 1.16 | 0.00412 | 0.00438 | 0.0000478 | 0.000145 | 0.0000636 | 0.0591 | 0.0000059 | 0.000173 | 0.000356 | 0.00178 | 0.00017 |
| 2069 Jul | 0.00000383 | 1.74 | 0.00189 | 2.05 | 0.0285 | 0.000733 | 1.16 | 0.00412 | 0.00439 | 0.0000479 | 0.000145 | 0.0000636 | 0.0592 | 0.00000591 | 0.000173 | 0.000356 | 0.00179 | 0.00017 |
| 2069 Aug | 0.00000383 | 1.74 | 0.00189 | 2.05 | 0.0285 | 0.000733 | 1.16 | 0.00412 | 0.00439 | 0.0000479 | 0.000145 | 0.0000637 | 0.0592 | 0.00000591 | 0.000173 | 0.000357 | 0.00179 | 0.00017 |
| 2069 Sep | 0.00000383 | 1.74 | 0.00189 | 2.05 | 0.0284 | 0.000731 | 1.16 | 0.00411 | 0.00439 | 0.0000478 | 0.000145 | 0.0000635 | 0.0592 | 0.00000591 | 0.000173 | 0.000356 | 0.00179 | 0.000168 |
| 2069 Oct | 0.00000383 | 1.74 | 0.00189 | 2.05 | 0.0284 | 0.00073 | 1.16 | 0.0041 | 0.00439 | 0.0000478 | 0.000145 | 0.0000634 | 0.0592 | 0.00000591 | 0.000173 | 0.000356 | 0.00179 | 0.000168 |
| 2069 Nov | 0.00000383 | 1.74 | 0.00189 | 2.05 | 0.0284 | 0.00073 | 1.16 | 0.0041 | 0.00439 | 0.0000479 | 0.000145 | 0.0000634 | 0.0592 | 0.00000591 | 0.000173 | 0.000356 | 0.00179 | 0.000168 |
| 2069 Dec | 0.00000383 | 1.74 | 0.00189 | 2.05 | 0.0284 | 0.00073 | 1.16 | 0.0041 | 0.00439 | 0.0000479 | 0.000145 | 0.0000634 | 0.0592 | 0.00000591 | 0.000173 | 0.000356 | 0.00179 | 0.000168 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 97.1 | 0.000421 | 0.445 | 0.000231 | 21.7 | 0.0667 | 15.6 | 0.0000078 | 0.00991 | 0.00175 | 0.0109 | 0.0262 | 0.0000324 | 16.8 | 0.00000554 | 0.00047 | 0.000373 | 0.000846 | 0.103 |
| Operation (Jan., 2024 to Jun., 2028): Average | 105 | 0.0278 | 0.638 | 0.00149 | 23.3 | 0.0714 | 17.7 | 0.00000867 | 0.0103 | 0.00218 | 0.0128 | 0.0286 | 0.0000405 | 18.4 | 0.00000609 | 0.000967 | 0.000419 | 0.000902 | 0.109 |
| Operation (Jan., 2024 to Jun., 2028): Max | 109 | 0.0993 | 0.823 | 0.00279 | 24.4 | 0.0759 | 20.2 | 0.00000929 | 0.0105 | 0.00253 | 0.0145 | 0.0303 | 0.0000481 | 19.7 | 0.00000688 | 0.00165 | 0.000465 | 0.000933 | 0.117 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 55 | 0.00019 | 0.0926 | 0.000509 | 11.8 | 0.0414 | 4.43 | 0.00000509 | 0.00692 | 0.000559 | 0.00511 | 0.014 | 0.0000103 | 7.9 | 0.00000261 | 0.0000616 | 0.000205 | 0.000497 | 0.0461 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 65.4 | 0.00192 | 0.161 | 0.000551 | 14.2 | 0.0471 | 6.48 | 0.00000563 | 0.00799 | 0.00079 | 0.00614 | 0.0167 | 0.000014 | 9.85 | 0.0000032 | 0.000125 | 0.000248 | 0.000586 | 0.0598 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 98.5 | 0.00691 | 0.459 | 0.000723 | 22 | 0.0683 | 16.6 | 0.00000797 | 0.0102 | 0.0018 | 0.0111 | 0.0266 | 0.0000327 | 17.3 | 0.00000587 | 0.000453 | 0.000377 | 0.000863 | 0.105 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 52.1 | 0.000351 | 0.0839 | 0.00049 | 11.1 | 0.0394 | 4.18 | 0.0000049 | 0.00667 | 0.000524 | 0.0049 | 0.0132 | 0.00000979 | 7.45 | 0.00000257 | 0.0000571 | 0.000193 | 0.000476 | 0.0435 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 55.2 | 0.00181 | 0.0932 | 0.000511 | 11.8 | 0.0416 | 4.41 | 0.00000511 | 0.00699 | 0.000555 | 0.00512 | 0.014 | 0.0000102 | 7.89 | 0.00000265 | 0.0000599 | 0.000205 | 0.0005 | 0.0462 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 57.6 | 0.00855 | 0.0999 | 0.000528 | 12.4 | 0.0433 | 4.57 | 0.00000528 | 0.00742 | 0.000578 | 0.00528 | 0.0146 | 0.0000106 | 8.23 | 0.00000275 | 0.0000621 | 0.000215 | 0.000525 | 0.049 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 108 | 0.0871 | 0.823 | 0.00206 | 23.7 | 0.0697 | 16.3 | 0.00000897 | 0.0104 | 0.00253 | 0.0141 | 0.0287 | 0.0000466 | 18.3 | 0.00000561 | 0.00165 | 0.000465 | 0.00091 | 0.104 |
| 2024 Feb | 109 | 0.0907 | 0.815 | 0.00216 | 23.8 | 0.0704 | 16.8 | 0.00000904 | 0.0104 | 0.00253 | 0.0142 | 0.029 | 0.0000471 | 18.5 | 0.00000573 | 0.00163 | 0.000464 | 0.000913 | 0.105 |
| 2024 Mar | 109 | 0.0941 | 0.806 | 0.00224 | 24 | 0.0711 | 17.2 | 0.00000912 | 0.0103 | 0.00252 | 0.0143 | 0.0292 | 0.0000476 | 18.7 | 0.00000585 | 0.00161 | 0.000464 | 0.000916 | 0.107 |
| 2024 Apr | 109 | 0.0973 | 0.798 | 0.00232 | 24.1 | 0.0718 | 17.6 | 0.00000919 | 0.0103 | 0.00251 | 0.0145 | 0.0295 | 0.0000481 | 18.9 | 0.00000596 | 0.00159 | 0.000464 | 0.000919 | 0.108 |
| 2024 May | 109 | 0.0993 | 0.777 | 0.00232 | 24.1 | 0.0721 | 17.7 | 0.00000919 | 0.0102 | 0.00247 | 0.0144 | 0.0296 | 0.0000479 | 18.9 | 0.000006 | 0.00154 | 0.000461 | 0.000919 | 0.109 |
| 2024 Jun | 106 | 0.0793 | 0.734 | 0.000231 | 23.5 | 0.07 | 16.6 | 0.00000884 | 0.0102 | 0.00232 | 0.0136 | 0.0286 | 0.0000447 | 18.2 | 0.00000571 | 0.00141 | 0.000447 | 0.000898 | 0.106 |
| 2024 Jul | 107 | 0.0494 | 0.762 | 0.000239 | 23.7 | 0.0705 | 16.6 | 0.00000888 | 0.0104 | 0.00232 | 0.0137 | 0.0288 | 0.0000446 | 18.3 | 0.00000573 | 0.00141 | 0.000451 | 0.000905 | 0.107 |
| 2024 Aug | 108 | 0.0192 | 0.791 | 0.000246 | 23.8 | 0.071 | 16.6 | 0.00000892 | 0.0105 | 0.00233 | 0.0137 | 0.0289 | 0.0000446 | 18.4 | 0.00000574 | 0.0014 | 0.000453 | 0.000912 | 0.108 |
| 2024 Sep | 106 | 0.000831 | 0.777 | 0.000255 | 23.4 | 0.0695 | 16 | 0.0000087 | 0.0104 | 0.00225 | 0.0132 | 0.0283 | 0.0000428 | 18 | 0.00000557 | 0.00134 | 0.000444 | 0.000896 | 0.106 |
| 2024 Oct | 106 | 0.00263 | 0.774 | 0.000392 | 23.4 | 0.0696 | 16.1 | 0.0000087 | 0.0104 | 0.00226 | 0.0132 | 0.0283 | 0.0000427 | 18 | 0.00000559 | 0.00132 | 0.000443 | 0.000897 | 0.106 |
| 2024 Nov | 106 | 0.0118 | 0.774 | 0.000963 | 23.5 | 0.0703 | 16.7 | 0.00000878 | 0.0104 | 0.00235 | 0.0133 | 0.0285 | 0.000043 | 18.2 | 0.00000576 | 0.00131 | 0.000442 | 0.000906 | 0.106 |
| 2024 Dec | 107 | 0.0186 | 0.77 | 0.00128 | 23.6 | 0.0711 | 17.2 | 0.00000887 | 0.0104 | 0.00239 | 0.0135 | 0.0288 | 0.0000435 | 18.5 | 0.00000591 | 0.00129 | 0.000442 | 0.000912 | 0.108 |
| 2025 Jan | 107 | 0.0237 | 0.764 | 0.00145 | 23.7 | 0.0718 | 17.6 | 0.00000895 | 0.0104 | 0.00239 | 0.0136 | 0.0291 | 0.0000441 | 18.7 | 0.00000604 | 0.00128 | 0.000442 | 0.000916 | 0.109 |
| 2025 Feb | 108 | 0.028 | 0.757 | 0.00156 | 23.9 | 0.0725 | 18 | 0.00000903 | 0.0103 | 0.00239 | 0.0138 | 0.0294 | 0.0000446 | 18.9 | 0.00000614 | 0.00127 | 0.000442 | 0.00092 | 0.11 |
| 2025 Mar | 108 | 0.0322 | 0.749 | 0.00165 | 24 | 0.0732 | 18.4 | 0.0000091 | 0.0103 | 0.00239 | 0.0139 | 0.0296 | 0.0000451 | 19.1 | 0.00000625 | 0.00125 | 0.000442 | 0.000922 | 0.111 |
| 2025 Apr | 108 | 0.0364 | 0.742 | 0.00174 | 24.1 | 0.0739 | 18.8 | 0.00000918 | 0.0102 | 0.00238 | 0.0141 | 0.0299 | 0.0000457 | 19.3 | 0.00000636 | 0.00124 | 0.000442 | 0.000926 | 0.113 |
| 2025 May | 109 | 0.0404 | 0.738 | 0.00183 | 24.4 | 0.0748 | 19.2 | 0.00000929 | 0.0102 | 0.00238 | 0.0143 | 0.0303 | 0.0000464 | 19.5 | 0.00000648 | 0.00123 | 0.000444 | 0.000933 | 0.114 |
| 2025 Jun | 106 | 0.0275 | 0.696 | 0.000814 | 23.7 | 0.0725 | 18 | 0.00000893 | 0.0102 | 0.00224 | 0.0135 | 0.0292 | 0.0000433 | 18.8 | 0.00000615 | 0.00113 | 0.000432 | 0.00091 | 0.111 |
| 2025 Jul | 106 | 0.00353 | 0.695 | 0.000807 | 23.7 | 0.0721 | 17.5 | 0.00000882 | 0.0104 | 0.00218 | 0.0131 | 0.029 | 0.0000418 | 18.6 | 0.00000601 | 0.00108 | 0.000431 | 0.00091 | 0.111 |
| 2025 Aug | 107 | 0.000421 | 0.699 | 0.000814 | 23.9 | 0.0727 | 17.5 | 0.00000888 | 0.0105 | 0.00219 | 0.0132 | 0.0292 | 0.0000419 | 18.7 | 0.00000604 | 0.00108 | 0.000435 | 0.000919 | 0.112 |
| 2025 Sep | 105 | 0.000451 | 0.664 | 0.000789 | 23.3 | 0.0707 | 16.7 | 0.00000859 | 0.0104 | 0.00209 | 0.0126 | 0.0283 | 0.0000398 | 18.1 | 0.00000579 | 0.00101 | 0.000424 | 0.000897 | 0.109 |
| 2025 Oct | 104 | 0.00351 | 0.649 | 0.000974 | 23.1 | 0.07 | 16.4 | 0.00000848 | 0.0104 | 0.00208 | 0.0124 | 0.028 | 0.0000389 | 17.9 | 0.00000573 | 0.000982 | 0.00042 | 0.000891 | 0.108 |
| 2025 Nov | 105 | 0.0152 | 0.655 | 0.00183 | 23.2 | 0.0708 | 17.1 | 0.00000855 | 0.0104 | 0.00222 | 0.0125 | 0.0283 | 0.0000393 | 18.2 | 0.00000594 | 0.000972 | 0.000419 | 0.000902 | 0.108 |
| 2025 Dec | 105 | 0.0229 | 0.654 | 0.00226 | 23.3 | 0.0716 | 17.7 | 0.00000863 | 0.0104 | 0.00227 | 0.0127 | 0.0286 | 0.0000398 | 18.5 | 0.0000061 | 0.000963 | 0.000419 | 0.000909 | 0.109 |
| 2026 Jan | 106 | 0.0285 | 0.65 | 0.00246 | 23.5 | 0.0723 | 18.2 | 0.00000872 | 0.0103 | 0.00229 | 0.0128 | 0.0289 | 0.0000405 | 18.7 | 0.00000623 | 0.000955 | 0.000419 | 0.000913 | 0.111 |
| 2026 Feb | 106 | 0.0329 | 0.644 | 0.00257 | 23.6 | 0.073 | 18.6 | 0.0000088 | 0.0103 | 0.00229 | 0.013 | 0.0291 | 0.000041 | 18.9 | 0.00000634 | 0.000947 | 0.00042 | 0.000916 | 0.112 |
| 2026 Mar | 106 | 0.0371 | 0.639 | 0.00265 | 23.7 | 0.0736 | 18.9 | 0.00000888 | 0.0102 | 0.00228 | 0.0132 | 0.0294 | 0.0000416 | 19.1 | 0.00000644 | 0.000939 | 0.00042 | 0.000919 | 0.113 |
| 2026 Apr | 107 | 0.0411 | 0.633 | 0.00272 | 23.9 | 0.0743 | 19.3 | 0.00000896 | 0.0102 | 0.00228 | 0.0133 | 0.0297 | 0.0000423 | 19.3 | 0.00000655 | 0.000931 | 0.000421 | 0.000923 | 0.114 |
| 2026 May | 108 | 0.0449 | 0.629 | 0.00279 | 24.1 | 0.0751 | 19.7 | 0.00000905 | 0.0102 | 0.00228 | 0.0135 | 0.03 | 0.0000429 | 19.5 | 0.00000665 | 0.000925 | 0.000422 | 0.000928 | 0.116 |
| 2026 Jun | 103 | 0.0309 | 0.578 | 0.000665 | 23.1 | 0.0716 | 17.9 | 0.00000854 | 0.0101 | 0.00209 | 0.0124 | 0.0285 | 0.0000388 | 18.4 | 0.00000614 | 0.000818 | 0.000406 | 0.000894 | 0.111 |
| 2026 Jul | 104 | 0.00477 | 0.599 | 0.000635 | 23.2 | 0.0718 | 17.7 | 0.00000854 | 0.0103 | 0.00208 | 0.0124 | 0.0285 | 0.0000385 | 18.4 | 0.00000611 | 0.000807 | 0.000409 | 0.000899 | 0.111 |
| 2026 Aug | 104 | 0.000439 | 0.601 | 0.000638 | 23.3 | 0.072 | 17.6 | 0.00000855 | 0.0104 | 0.00207 | 0.0124 | 0.0286 | 0.0000383 | 18.4 | 0.0000061 | 0.0008 | 0.00041 | 0.000903 | 0.111 |
| 2026 Sep | 104 | 0.000524 | 0.597 | 0.000638 | 23.3 | 0.0719 | 17.5 | 0.00000854 | 0.0104 | 0.00206 | 0.0123 | 0.0285 | 0.0000381 | 18.4 | 0.00000608 | 0.000794 | 0.00041 | 0.000903 | 0.111 |
| 2026 Oct | 105 | 0.00166 | 0.598 | 0.000736 | 23.3 | 0.0721 | 17.6 | 0.00000856 | 0.0104 | 0.00208 | 0.0123 | 0.0286 | 0.0000382 | 18.4 | 0.00000611 | 0.000792 | 0.000411 | 0.000905 | 0.111 |
| 2026 Nov | 105 | 0.00859 | 0.601 | 0.00116 | 23.5 | 0.0727 | 18.2 | 0.00000864 | 0.0104 | 0.00216 | 0.0125 | 0.0288 | 0.0000387 | 18.7 | 0.00000628 | 0.000787 | 0.000412 | 0.000913 | 0.112 |
| 2026 Dec | 106 | 0.0137 | 0.6 | 0.0014 | 23.6 | 0.0733 | 18.6 | 0.00000872 | 0.0104 | 0.00219 | 0.0127 | 0.029 | 0.0000393 | 18.9 | 0.0000064 | 0.000781 | 0.000412 | 0.000917 | 0.113 |
| 2027 Jan | 106 | 0.018 | 0.596 | 0.00154 | 23.7 | 0.0738 | 19 | 0.0000088 | 0.0103 | 0.00219 | 0.0129 | 0.0293 | 0.0000399 | 19 | 0.00000651 | 0.000775 | 0.000413 | 0.00092 | 0.114 |
| 2027 Feb | 106 | 0.0216 | 0.592 | 0.00163 | 23.8 | 0.0743 | 19.3 | 0.00000887 | 0.0103 | 0.00219 | 0.013 | 0.0295 | 0.0000405 | 19.2 | 0.00000661 | 0.00077 | 0.000413 | 0.000923 | 0.114 |
| 2027 Mar | 107 | 0.025 | 0.588 | 0.00172 | 23.9 | 0.0748 | 19.6 | 0.00000894 | 0.0102 | 0.00218 | 0.0132 | 0.0297 | 0.0000411 | 19.4 | 0.0000067 | 0.000764 | 0.000414 | 0.000926 | 0.115 |
| 2027 Apr | 107 | 0.0285 | 0.584 | 0.0018 | 24 | 0.0753 | 20 | 0.00000903 | 0.0102 | 0.00218 | 0.0134 | 0.0299 | 0.0000417 | 19.5 | 0.0000068 | 0.000759 | 0.000415 | 0.000929 | 0.116 |
| 2027 May | 107 | 0.0321 | 0.578 | 0.00187 | 24.2 | 0.0759 | 20.2 | 0.0000091 | 0.0102 | 0.00217 | 0.0135 | 0.0301 | 0.0000422 | 19.7 | 0.00000688 | 0.000752 | 0.000416 | 0.000933 | 0.117 |
| 2027 Jun | 101 | 0.021 | 0.508 | 0.000784 | 22.6 | 0.0702 | 17.5 | 0.00000832 | 0.01 | 0.00192 | 0.012 | 0.0277 | 0.0000366 | 18 | 0.00000609 | 0.000631 | 0.000392 | 0.000877 | 0.109 |
| 2027 Jul | 99.4 | 0.00151 | 0.502 | 0.000765 | 22.3 | 0.0688 | 16.7 | 0.0000081 | 0.0101 | 0.00184 | 0.0115 | 0.0271 | 0.0000347 | 17.5 | 0.00000585 | 0.000591 | 0.000387 | 0.000865 | 0.107 |
| 2027 Aug | 100 | 0.000456 | 0.502 | 0.000769 | 22.4 | 0.0692 | 16.6 | 0.00000813 | 0.0102 | 0.00184 | 0.0115 | 0.0272 | 0.0000347 | 17.6 | 0.00000585 | 0.000588 | 0.000389 | 0.000871 | 0.107 |
| 2027 Sep | 98.4 | 0.000593 | 0.484 | 0.000752 | 22 | 0.0678 | 16 | 0.00000794 | 0.0101 | 0.00178 | 0.0112 | 0.0266 | 0.0000334 | 17.1 | 0.00000567 | 0.000562 | 0.000383 | 0.000856 | 0.105 |
| 2027 Oct | 97.1 | 0.00225 | 0.47 | 0.000853 | 21.7 | 0.0667 | 15.6 | 0.0000078 | 0.0101 | 0.00175 | 0.0109 | 0.0262 | 0.0000324 | 16.8 | 0.00000554 | 0.00054 | 0.000378 | 0.000846 | 0.103 |
| 2027 Nov | 98.1 | 0.0127 | 0.481 | 0.00169 | 21.8 | 0.0675 | 16.3 | 0.00000789 | 0.0101 | 0.00189 | 0.011 | 0.0264 | 0.0000328 | 17.1 | 0.00000575 | 0.000539 | 0.000378 | 0.000857 | 0.104 |
| 2027 Dec | 98.8 | 0.0201 | 0.485 | 0.00217 | 22 | 0.0682 | 16.9 | 0.00000798 | 0.0101 | 0.00196 | 0.0112 | 0.0267 | 0.0000335 | 17.4 | 0.00000592 | 0.000537 | 0.000379 | 0.000865 | 0.105 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 99.3 | 0.0251 | 0.485 | 0.00239 | 22.1 | 0.0688 | 17.3 | 0.00000807 | 0.0101 | 0.00198 | 0.0114 | 0.0269 | 0.0000341 | 17.6 | 0.00000605 | 0.000534 | 0.00038 | 0.00087 | 0.106 |
| 2028 Feb | 99.7 | 0.0291 | 0.483 | 0.00251 | 22.2 | 0.0694 | 17.7 | 0.00000816 | 0.01 | 0.00199 | 0.0116 | 0.0272 | 0.0000348 | 17.8 | 0.00000616 | 0.000532 | 0.000381 | 0.000874 | 0.106 |
| 2028 Mar | 100 | 0.0325 | 0.48 | 0.0026 | 22.3 | 0.07 | 18.1 | 0.00000824 | 0.01 | 0.00199 | 0.0118 | 0.0274 | 0.0000355 | 18 | 0.00000626 | 0.00053 | 0.000382 | 0.000877 | 0.107 |
| 2028 Apr | 100 | 0.036 | 0.478 | 0.00267 | 22.5 | 0.0706 | 18.4 | 0.00000833 | 0.00996 | 0.00199 | 0.0119 | 0.0276 | 0.0000361 | 18.2 | 0.00000636 | 0.000528 | 0.000383 | 0.000881 | 0.108 |
| 2028 May | 101 | 0.039 | 0.477 | 0.00271 | 22.7 | 0.0712 | 18.8 | 0.00000843 | 0.00995 | 0.00199 | 0.0121 | 0.0279 | 0.0000368 | 18.4 | 0.00000646 | 0.000527 | 0.000385 | 0.000886 | 0.109 |
| 2028 Jun | 97.6 | 0.0253 | 0.445 | 0.000722 | 21.8 | 0.0681 | 17 | 0.00000799 | 0.00991 | 0.00183 | 0.0113 | 0.0266 | 0.0000335 | 17.4 | 0.00000597 | 0.00047 | 0.000373 | 0.000856 | 0.105 |
| 2028 Jul | 97.4 | 0.00237 | 0.455 | 0.000716 | 21.8 | 0.0676 | 16.5 | 0.0000079 | 0.01 | 0.00179 | 0.011 | 0.0264 | 0.0000326 | 17.2 | 0.00000584 | 0.000452 | 0.000373 | 0.000854 | 0.104 |
| 2028 Aug | 98.5 | 0.000434 | 0.459 | 0.000723 | 22 | 0.0683 | 16.6 | 0.00000797 | 0.0102 | 0.0018 | 0.0111 | 0.0266 | 0.0000327 | 17.3 | 0.00000587 | 0.000453 | 0.000377 | 0.000863 | 0.105 |
| 2028 Sep | 98.1 | 0.000624 | 0.452 | 0.000719 | 21.9 | 0.0679 | 16.3 | 0.00000791 | 0.0102 | 0.00178 | 0.011 | 0.0264 | 0.0000322 | 17.2 | 0.0000058 | 0.000444 | 0.000376 | 0.00086 | 0.105 |
| 2028 Oct | 96.4 | 0.00203 | 0.434 | 0.000704 | 21.5 | 0.0665 | 15.7 | 0.00000772 | 0.0101 | 0.00172 | 0.0106 | 0.0259 | 0.0000309 | 16.8 | 0.0000056 | 0.000423 | 0.000371 | 0.000846 | 0.103 |
| 2028 Nov | 96.3 | 0.0025 | 0.431 | 0.000702 | 21.5 | 0.0663 | 15.6 | 0.00000769 | 0.0101 | 0.00171 | 0.0105 | 0.0258 | 0.0000307 | 16.7 | 0.00000557 | 0.000419 | 0.00037 | 0.000845 | 0.102 |
| 2028 Dec | 96.3 | 0.00251 | 0.431 | 0.000702 | 21.5 | 0.0663 | 15.6 | 0.00000769 | 0.0101 | 0.00171 | 0.0105 | 0.0258 | 0.0000307 | 16.7 | 0.00000557 | 0.000419 | 0.00037 | 0.000845 | 0.102 |
| 2029 Jan | 96.3 | 0.00252 | 0.431 | 0.000702 | 21.5 | 0.0663 | 15.6 | 0.00000769 | 0.0101 | 0.00171 | 0.0105 | 0.0258 | 0.0000307 | 16.7 | 0.00000557 | 0.000419 | 0.00037 | 0.000845 | 0.102 |
| 2029 Feb | 96.3 | 0.00252 | 0.431 | 0.000702 | 21.5 | 0.0663 | 15.6 | 0.00000769 | 0.0101 | 0.00171 | 0.0105 | 0.0258 | 0.0000307 | 16.7 | 0.00000557 | 0.000419 | 0.00037 | 0.000845 | 0.102 |
| 2029 Mar | 96.3 | 0.00252 | 0.431 | 0.000702 | 21.5 | 0.0663 | 15.6 | 0.00000769 | 0.0101 | 0.00171 | 0.0105 | 0.0258 | 0.0000307 | 16.7 | 0.00000557 | 0.000419 | 0.00037 | 0.000845 | 0.102 |
| 2029 Apr | 96.3 | 0.00252 | 0.431 | 0.000702 | 21.5 | 0.0663 | 15.6 | 0.00000769 | 0.0101 | 0.00171 | 0.0105 | 0.0258 | 0.0000307 | 16.7 | 0.00000557 | 0.000419 | 0.00037 | 0.000845 | 0.102 |
| 2029 May | 96.5 | 0.00254 | 0.431 | 0.000703 | 21.5 | 0.0664 | 15.6 | 0.00000771 | 0.0101 | 0.00172 | 0.0106 | 0.0258 | 0.0000308 | 16.7 | 0.00000558 | 0.00042 | 0.000371 | 0.000846 | 0.103 |
| 2029 Jun | 93.5 | 0.00189 | 0.396 | 0.000677 | 20.8 | 0.0639 | 14.2 | 0.00000737 | 0.0101 | 0.00159 | 0.00987 | 0.0247 | 0.0000282 | 15.9 | 0.0000052 | 0.000376 | 0.00036 | 0.00082 | 0.0985 |
| 2029 Jul | 89.7 | 0.000538 | 0.353 | 0.000648 | 19.9 | 0.0609 | 12.6 | 0.00000696 | 0.00995 | 0.00144 | 0.00904 | 0.0234 | 0.0000251 | 14.9 | 0.00000474 | 0.000322 | 0.000347 | 0.000788 | 0.0933 |
| 2029 Aug | 89.5 | 0.000647 | 0.346 | 0.000646 | 19.9 | 0.0607 | 12.3 | 0.00000693 | 0.00998 | 0.00142 | 0.00893 | 0.0233 | 0.0000246 | 14.8 | 0.00000468 | 0.000313 | 0.000346 | 0.000786 | 0.0927 |
| 2029 Sep | 88.7 | 0.0006 | 0.337 | 0.00064 | 19.7 | 0.06 | 12 | 0.00000685 | 0.00996 | 0.00139 | 0.00875 | 0.023 | 0.0000239 | 14.6 | 0.00000458 | 0.000302 | 0.000343 | 0.000779 | 0.0916 |
| 2029 Oct | 88.3 | 0.000492 | 0.333 | 0.000639 | 19.6 | 0.0598 | 11.9 | 0.00000683 | 0.00993 | 0.00138 | 0.0087 | 0.0229 | 0.0000237 | 14.5 | 0.00000456 | 0.000298 | 0.000342 | 0.000776 | 0.091 |
| 2029 Nov | 88.3 | 0.000566 | 0.333 | 0.000639 | 19.6 | 0.0598 | 11.9 | 0.00000683 | 0.00993 | 0.00138 | 0.0087 | 0.0229 | 0.0000237 | 14.5 | 0.00000456 | 0.000298 | 0.000342 | 0.000776 | 0.091 |
| 2029 Dec | 88.3 | 0.000579 | 0.333 | 0.000639 | 19.6 | 0.0598 | 11.9 | 0.00000683 | 0.00993 | 0.00138 | 0.0087 | 0.0229 | 0.0000237 | 14.5 | 0.00000456 | 0.000298 | 0.000342 | 0.000776 | 0.091 |
| 2030 Jan | 88.3 | 0.000586 | 0.333 | 0.000639 | 19.6 | 0.0598 | 11.9 | 0.00000683 | 0.00993 | 0.00138 | 0.0087 | 0.0229 | 0.0000237 | 14.5 | 0.00000456 | 0.000298 | 0.000342 | 0.000776 | 0.091 |
| 2030 Feb | 88.3 | 0.000589 | 0.333 | 0.000639 | 19.6 | 0.0598 | 11.9 | 0.00000683 | 0.00993 | 0.00138 | 0.0087 | 0.0229 | 0.0000237 | 14.5 | 0.00000456 | 0.000298 | 0.000342 | 0.000776 | 0.091 |
| 2030 Mar | 88.3 | 0.000591 | 0.333 | 0.000639 | 19.6 | 0.0598 | 11.9 | 0.00000683 | 0.00993 | 0.00138 | 0.0087 | 0.0229 | 0.0000237 | 14.5 | 0.00000456 | 0.000298 | 0.000342 | 0.000776 | 0.091 |
| 2030 Apr | 88.3 | 0.000592 | 0.333 | 0.000639 | 19.6 | 0.0598 | 11.9 | 0.00000683 | 0.00993 | 0.00138 | 0.0087 | 0.0229 | 0.0000237 | 14.5 | 0.00000456 | 0.000298 | 0.000342 | 0.000776 | 0.091 |
| 2030 May | 88.3 | 0.000592 | 0.333 | 0.000639 | 19.6 | 0.0598 | 11.9 | 0.00000683 | 0.00993 | 0.00138 | 0.0087 | 0.0229 | 0.0000237 | 14.5 | 0.00000456 | 0.000298 | 0.000342 | 0.000776 | 0.091 |
| 2030 Jun | 84.4 | 0.00109 | 0.297 | 0.000613 | 18.7 | 0.0571 | 10.6 | 0.0000065 | 0.00969 | 0.00125 | 0.00805 | 0.0217 | 0.0000213 | 13.6 | 0.0000042 | 0.000257 | 0.000327 | 0.000742 | 0.0859 |
| 2030 Jul | 82.5 | 0.000596 | 0.281 | 0.000605 | 18.2 | 0.056 | 10.1 | 0.00000638 | 0.00954 | 0.0012 | 0.00779 | 0.0211 | 0.0000203 | 13.2 | 0.00000406 | 0.000239 | 0.000319 | 0.000726 | 0.0831 |
| 2030 Aug | 81.9 | 0.000582 | 0.274 | 0.000603 | 18.1 | 0.0556 | 9.85 | 0.00000635 | 0.0095 | 0.00118 | 0.0077 | 0.0209 | 0.0000199 | 13 | 0.000004 | 0.000232 | 0.000317 | 0.000721 | 0.0821 |
| 2030 Sep | 81.6 | 0.00044 | 0.271 | 0.000603 | 18 | 0.0555 | 9.75 | 0.00000634 | 0.00949 | 0.00117 | 0.00766 | 0.0209 | 0.0000198 | 12.9 | 0.00000398 | 0.000228 | 0.000316 | 0.000719 | 0.0817 |
| 2030 Oct | 80.7 | 0.0023 | 0.263 | 0.000598 | 17.8 | 0.055 | 9.55 | 0.00000628 | 0.00941 | 0.00114 | 0.00755 | 0.0206 | 0.0000194 | 12.8 | 0.00000392 | 0.000222 | 0.000312 | 0.000711 | 0.0806 |
| 2030 Nov | 79.9 | 0.00362 | 0.257 | 0.000595 | 17.6 | 0.0545 | 9.41 | 0.00000624 | 0.00932 | 0.00113 | 0.00748 | 0.0204 | 0.0000191 | 12.6 | 0.00000389 | 0.000218 | 0.000309 | 0.000704 | 0.0795 |
| 2030 Dec | 79.8 | 0.00364 | 0.257 | 0.000595 | 17.6 | 0.0545 | 9.41 | 0.00000624 | 0.00931 | 0.00113 | 0.00748 | 0.0204 | 0.0000191 | 12.6 | 0.00000389 | 0.000218 | 0.000308 | 0.000703 | 0.0794 |
| 2031 Jan | 79.8 | 0.00365 | 0.257 | 0.000595 | 17.6 | 0.0545 | 9.41 | 0.00000624 | 0.00931 | 0.00113 | 0.00748 | 0.0204 | 0.0000191 | 12.6 | 0.00000389 | 0.000218 | 0.000308 | 0.000703 | 0.0794 |
| 2031 Feb | 79.8 | 0.00366 | 0.257 | 0.000595 | 17.6 | 0.0545 | 9.41 | 0.00000624 | 0.00931 | 0.00113 | 0.00748 | 0.0204 | 0.0000191 | 12.6 | 0.00000389 | 0.000218 | 0.000308 | 0.000703 | 0.0794 |
| 2031 Mar | 79.8 | 0.00366 | 0.257 | 0.000595 | 17.6 | 0.0545 | 9.41 | 0.00000624 | 0.00931 | 0.00113 | 0.00748 | 0.0204 | 0.0000191 | 12.6 | 0.00000389 | 0.000218 | 0.000308 | 0.000703 | 0.0794 |
| 2031 Apr | 79.8 | 0.00366 | 0.257 | 0.000595 | 17.6 | 0.0545 | 9.42 | 0.00000625 | 0.00932 | 0.00113 | 0.00749 | 0.0204 | 0.0000192 | 12.6 | 0.0000039 | 0.000218 | 0.000309 | 0.000704 | 0.0795 |
| 2031 May | 80 | 0.00465 | 0.255 | 0.000596 | 17.6 | 0.0546 | 9.37 | 0.00000625 | 0.00936 | 0.00112 | 0.00747 | 0.0204 | 0.0000191 | 12.6 | 0.00000389 | 0.000216 | 0.000309 | 0.000705 | 0.0795 |
| 2031 Jun | 76.9 | 0.00244 | 0.234 | 0.000581 | 16.9 | 0.0527 | 8.62 | 0.00000606 | 0.00911 | 0.00105 | 0.0071 | 0.0195 | 0.0000177 | 12 | 0.0000037 | 0.000193 | 0.000297 | 0.000679 | 0.0755 |
| 2031 Jul | 77.5 | 0.000545 | 0.237 | 0.000588 | 17 | 0.0533 | 8.66 | 0.00000613 | 0.00919 | 0.00105 | 0.00716 | 0.0197 | 0.0000178 | 12.1 | 0.00000373 | 0.000193 | 0.000299 | 0.000685 | 0.0759 |
| 2031 Aug | 77.9 | 0.000597 | 0.236 | 0.00059 | 17.1 | 0.0534 | 8.61 | 0.00000614 | 0.00926 | 0.00105 | 0.00715 | 0.0198 | 0.0000177 | 12.1 | 0.00000372 | 0.00019 | 0.000301 | 0.000689 | 0.0762 |
| 2031 Sep | 76.3 | 0.000514 | 0.226 | 0.000581 | 16.8 | 0.0524 | 8.27 | 0.00000603 | 0.00913 | 0.00101 | 0.00696 | 0.0193 | 0.0000171 | 11.8 | 0.00000362 | 0.00018 | 0.000295 | 0.000675 | 0.0744 |
| 2031 Oct | 75 | 0.00236 | 0.217 | 0.000576 | 16.5 | 0.0517 | 8.07 | 0.00000597 | 0.009 | 0.000988 | 0.00686 | 0.019 | 0.0000167 | 11.6 | 0.00000358 | 0.000174 | 0.000289 | 0.000665 | 0.0727 |
| 2031 Nov | 74.5 | 0.00287 | 0.215 | 0.000576 | 16.4 | 0.0515 | 8.04 | 0.00000596 | 0.00894 | 0.000982 | 0.00685 | 0.0189 | 0.0000167 | 11.5 | 0.00000357 | 0.000174 | 0.000287 | 0.000661 | 0.0722 |
| 2031 Dec | 74.5 | 0.00289 | 0.215 | 0.000576 | 16.3 | 0.0515 | 8.04 | 0.00000596 | 0.00894 | 0.000981 | 0.00685 | 0.0189 | 0.0000167 | 11.5 | 0.00000357 | 0.000174 | 0.000287 | 0.000661 | 0.0721 |
| 2032 Jan | 74.5 | 0.00289 | 0.215 | 0.000576 | 16.3 | 0.0515 | 8.04 | 0.00000596 | 0.00893 | 0.000981 | 0.00685 | 0.0189 | 0.0000167 | 11.5 | 0.00000357 | 0.000174 | 0.000287 | 0.000661 | 0.0721 |
| 2032 Feb | 74.5 | 0.0029 | 0.215 | 0.000576 | 16.3 | 0.0515 | 8.04 | 0.00000596 | 0.00893 | 0.000981 | 0.00685 | 0.0189 | 0.0000167 | 11.5 | 0.00000357 | 0.000174 | 0.000287 | 0.000661 | 0.0721 |
| 2032 Mar | 74.5 | 0.0029 | 0.215 | 0.000576 | 16.3 | 0.0515 | 8.04 | 0.00000596 | 0.00893 | 0.000981 | 0.00685 | 0.0189 | 0.0000167 | 11.5 | 0.00000357 | 0.000174 | 0.000287 | 0.000661 | 0.0721 |
| 2032 Apr | 74.5 | 0.0029 | 0.215 | 0.000576 | 16.3 | 0.0515 | 8.04 | 0.00000597 | 0.00894 | 0.000981 | 0.00685 | 0.0189 | 0.0000167 | 11.5 | 0.00000357 | 0.000174 | 0.000287 | 0.000661 | 0.0721 |
| 2032 May | 74.7 | 0.00288 | 0.215 | 0.000577 | 16.4 | 0.0517 | 8.06 | 0.00000598 | 0.00896 | 0.000983 | 0.00687 | 0.019 | 0.0000167 | 11.5 | 0.00000358 | 0.000174 | 0.000288 | 0.000662 | 0.0723 |
| 2032 Jun | 72 | 0.00144 | 0.199 | 0.000564 | 15.8 | 0.0501 | 7.47 | 0.00000581 | 0.00872 | 0.00092 | 0.00656 | 0.0182 | 0.0000156 | 11 | 0.00000343 | 0.000156 | 0.000277 | 0.00064 | 0.0688 |
| 2032 Jul | 70 | 0.000489 | 0.188 | 0.000556 | 15.3 | 0.049 | 7.15 | 0.00000572 | 0.00849 | 0.00088 | 0.0064 | 0.0177 | 0.0000151 | 10.6 | 0.00000335 | 0.000146 | 0.000268 | 0.000623 | 0.0662 |
| 2032 Aug | 70 | 0.000416 | 0.187 | 0.000558 | 15.3 | 0.0491 | 7.11 | 0.00000573 | 0.00851 | 0.000876 | 0.00639 | 0.0177 | 0.000015 | 10.6 | 0.00000335 | 0.000144 | 0.000268 | 0.000623 | 0.066 |
| 2032 Sep | 69.9 | 0.00046 | 0.185 | 0.000558 | 15.3 | 0.0491 | 7.06 | 0.00000573 | 0.00851 | 0.000872 | 0.00638 | 0.0177 | 0.0000149 | 10.6 | 0.00000334 | 0.000143 | 0.000268 | 0.000623 | 0.0658 |
| 2032 Oct | 69.8 | 0.00102 | 0.184 | 0.000558 | 15.2 | 0.049 | 7.03 | 0.00000573 | 0.00849 | 0.000868 | 0.00637 | 0.0177 | 0.0000149 | 10.6 | 0.00000333 | 0.000142 | 0.000267 | 0.000621 | 0.0656 |
| 2032 Nov | 69.7 | 0.00123 | 0.183 | 0.000558 | 15.2 | 0.049 | 7.03 | 0.00000573 | 0.00848 | 0.000867 | 0.00637 | 0.0177 | 0.0000149 | 10.6 | 0.00000333 | 0.000142 | 0.000267 | 0.000621 | 0.0655 |
| 2032 Dec | 69.7 | 0.00125 | 0.183 | 0.000558 | 15.2 | 0.049 | 7.03 | 0.00000573 | 0.00848 | 0.000867 | 0.00637 | 0.0176 | 0.0000149 | 10.6 | 0.00000333 | 0.000142 | 0.000267 | 0.000621 | 0.0655 |
| 2033 Jan | 69.7 | 0.00126 | 0.183 | 0.000558 | 15.2 | 0.049 | 7.03 | 0.00000573 | 0.00848 | 0.000867 | 0.00637 | 0.0176 | 0.0000149 | 10.6 | 0.00000333 | 0.000142 | 0.000267 | 0.000621 | 0.0655 |
| 2033 Feb | 69.7 | 0.00126 | 0.183 | 0.000558 | 15.2 | 0.049 | 7.03 | 0.00000573 | 0.00848 | 0.000867 | 0.00637 | 0.0176 | 0.0000149 | 10.6 | 0.00000333 | 0.000142 | 0.000267 | 0.000621 | 0.0655 |
| 2033 Mar | 69.7 | 0.00126 | 0.183 | 0.000558 | 15.2 | 0.049 | 7.03 | 0.00000573 | 0.00848 | 0.000867 | 0.00637 | 0.0176 | 0.0000149 | 10.6 | 0.00000333 | 0.000142 | 0.000267 | 0.000621 | 0.0655 |
| 2033 Apr | 69.7 | 0.00126 | 0.183 | 0.000559 | 15.2 | 0.0491 | 7.03 | 0.00000574 | 0.00849 | 0.000868 | 0.00637 | 0.0177 | 0.0000149 | 10.6 | 0.00000334 | 0.000142 | 0.000267 | 0.000621 | 0.0656 |
| 2033 May | 69.4 | 0.005 | 0.176 | 0.000556 | 15.2 | 0.0488 | 6.89 | 0.0000057 | 0.00848 | 0.000854 | 0.0063 | 0.0175 | 0.0000146 | 10.5 | 0.0000033 | 0.000137 | 0.000266 | 0.000618 | 0.0651 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 66.4 | 0.00321 | 0.162 | 0.000543 | 14.5 | 0.0471 | 6.43 | 0.00000555 | 0.00816 | 0.000799 | 0.00605 | 0.0168 | 0.0000138 | 9.96 | 0.00000316 | 0.000124 | 0.000254 | 0.000593 | 0.0614 |
| 2033 Jul | 66.6 | 0.000295 | 0.164 | 0.000547 | 14.5 | 0.0473 | 6.43 | 0.00000558 | 0.00818 | 0.000798 | 0.00607 | 0.0168 | 0.0000138 | 9.98 | 0.00000318 | 0.000123 | 0.000254 | 0.000595 | 0.0614 |
| 2033 Aug | 67.2 | 0.000519 | 0.165 | 0.000551 | 14.6 | 0.0477 | 6.45 | 0.00000562 | 0.00827 | 0.000802 | 0.00611 | 0.017 | 0.0000138 | 10.1 | 0.00000319 | 0.000123 | 0.000256 | 0.000601 | 0.062 |
| 2033 Sep | 66.7 | 0.000602 | 0.162 | 0.000547 | 14.5 | 0.0473 | 6.32 | 0.00000558 | 0.00823 | 0.00079 | 0.00603 | 0.0168 | 0.0000136 | 9.96 | 0.00000315 | 0.000119 | 0.000255 | 0.000596 | 0.0615 |
| 2033 Oct | 65.8 | 0.00381 | 0.154 | 0.000543 | 14.3 | 0.0468 | 6.2 | 0.00000553 | 0.00814 | 0.000775 | 0.00596 | 0.0166 | 0.0000134 | 9.8 | 0.00000312 | 0.000116 | 0.000251 | 0.000589 | 0.0604 |
| 2033 Nov | 65.1 | 0.00504 | 0.15 | 0.000542 | 14.1 | 0.0465 | 6.15 | 0.00000552 | 0.00806 | 0.000765 | 0.00594 | 0.0165 | 0.0000133 | 9.7 | 0.00000311 | 0.000114 | 0.000248 | 0.000584 | 0.0596 |
| 2033 Dec | 65 | 0.00506 | 0.15 | 0.000542 | 14.1 | 0.0465 | 6.14 | 0.00000552 | 0.00804 | 0.000764 | 0.00594 | 0.0164 | 0.0000133 | 9.69 | 0.00000311 | 0.000114 | 0.000248 | 0.000583 | 0.0594 |
| 2034 Jan | 65 | 0.00507 | 0.15 | 0.000542 | 14.1 | 0.0465 | 6.14 | 0.00000552 | 0.00804 | 0.000764 | 0.00594 | 0.0164 | 0.0000133 | 9.69 | 0.00000311 | 0.000114 | 0.000247 | 0.000583 | 0.0594 |
| 2034 Feb | 65 | 0.00507 | 0.15 | 0.000542 | 14.1 | 0.0465 | 6.14 | 0.00000552 | 0.00804 | 0.000764 | 0.00594 | 0.0164 | 0.0000133 | 9.69 | 0.00000311 | 0.000114 | 0.000247 | 0.000583 | 0.0594 |
| 2034 Mar | 65 | 0.00507 | 0.15 | 0.000542 | 14.1 | 0.0465 | 6.14 | 0.00000552 | 0.00804 | 0.000764 | 0.00594 | 0.0164 | 0.0000133 | 9.69 | 0.00000311 | 0.000114 | 0.000247 | 0.000583 | 0.0594 |
| 2034 Apr | 65 | 0.00508 | 0.15 | 0.000542 | 14.1 | 0.0465 | 6.15 | 0.00000552 | 0.00805 | 0.000765 | 0.00594 | 0.0165 | 0.0000133 | 9.69 | 0.00000312 | 0.000114 | 0.000248 | 0.000583 | 0.0595 |
| 2034 May | 65.3 | 0.00597 | 0.149 | 0.000543 | 14.2 | 0.0466 | 6.14 | 0.00000553 | 0.00809 | 0.000766 | 0.00595 | 0.0165 | 0.0000133 | 9.72 | 0.00000312 | 0.000114 | 0.000249 | 0.000585 | 0.0597 |
| 2034 Jun | 63.5 | 0.0034 | 0.142 | 0.000535 | 13.8 | 0.0456 | 5.84 | 0.00000543 | 0.00793 | 0.000731 | 0.00578 | 0.016 | 0.0000127 | 9.4 | 0.00000304 | 0.000105 | 0.000242 | 0.000571 | 0.0576 |
| 2034 Jul | 63.6 | 0.000698 | 0.145 | 0.000539 | 13.8 | 0.0458 | 5.85 | 0.00000547 | 0.00795 | 0.000731 | 0.00582 | 0.0161 | 0.0000128 | 9.42 | 0.00000307 | 0.000105 | 0.000242 | 0.000573 | 0.0575 |
| 2034 Aug | 64.5 | 0.000409 | 0.146 | 0.000546 | 14 | 0.0464 | 5.91 | 0.00000554 | 0.00806 | 0.000739 | 0.00588 | 0.0163 | 0.0000129 | 9.54 | 0.0000031 | 0.000106 | 0.000245 | 0.00058 | 0.0583 |
| 2034 Sep | 64.6 | 0.000669 | 0.146 | 0.000544 | 14 | 0.0463 | 5.87 | 0.00000552 | 0.00809 | 0.000738 | 0.00585 | 0.0163 | 0.0000128 | 9.54 | 0.00000308 | 0.000104 | 0.000246 | 0.000581 | 0.0585 |
| 2034 Oct | 64 | 0.00306 | 0.141 | 0.00054 | 13.9 | 0.0459 | 5.77 | 0.00000547 | 0.00803 | 0.000727 | 0.00579 | 0.0161 | 0.0000127 | 9.44 | 0.00000305 | 0.000102 | 0.000244 | 0.000576 | 0.0579 |
| 2034 Nov | 63.7 | 0.00339 | 0.14 | 0.00054 | 13.8 | 0.0458 | 5.76 | 0.00000547 | 0.00799 | 0.000724 | 0.00579 | 0.0161 | 0.0000126 | 9.4 | 0.00000305 | 0.000101 | 0.000242 | 0.000574 | 0.0575 |
| 2034 Dec | 63.7 | 0.00341 | 0.139 | 0.00054 | 13.8 | 0.0458 | 5.76 | 0.00000547 | 0.00799 | 0.000724 | 0.00579 | 0.0161 | 0.0000126 | 9.39 | 0.00000305 | 0.000101 | 0.000242 | 0.000574 | 0.0575 |
| 2035 Jan | 63.7 | 0.00342 | 0.139 | 0.00054 | 13.8 | 0.0458 | 5.76 | 0.00000547 | 0.00799 | 0.000723 | 0.00579 | 0.0161 | 0.0000126 | 9.39 | 0.00000305 | 0.000101 | 0.000242 | 0.000574 | 0.0575 |
| 2035 Feb | 63.7 | 0.00342 | 0.139 | 0.00054 | 13.8 | 0.0458 | 5.76 | 0.00000547 | 0.00799 | 0.000723 | 0.00579 | 0.0161 | 0.0000126 | 9.39 | 0.00000305 | 0.000101 | 0.000242 | 0.000574 | 0.0575 |
| 2035 Mar | 63.7 | 0.00343 | 0.139 | 0.00054 | 13.8 | 0.0458 | 5.76 | 0.00000547 | 0.00799 | 0.000723 | 0.00579 | 0.0161 | 0.0000126 | 9.39 | 0.00000305 | 0.000101 | 0.000242 | 0.000574 | 0.0575 |
| 2035 Apr | 63.7 | 0.00343 | 0.139 | 0.00054 | 13.8 | 0.0459 | 5.77 | 0.00000548 | 0.00799 | 0.000724 | 0.00579 | 0.0161 | 0.0000127 | 9.4 | 0.00000305 | 0.000102 | 0.000242 | 0.000574 | 0.0575 |
| 2035 May | 64 | 0.00353 | 0.14 | 0.000542 | 13.8 | 0.0461 | 5.79 | 0.0000055 | 0.00803 | 0.000727 | 0.00582 | 0.0161 | 0.0000127 | 9.44 | 0.00000307 | 0.000102 | 0.000243 | 0.000577 | 0.0578 |
| 2035 Jun | 62.3 | 0.00287 | 0.133 | 0.000532 | 13.5 | 0.045 | 5.52 | 0.00000538 | 0.00785 | 0.000696 | 0.00565 | 0.0157 | 0.0000122 | 9.15 | 0.00000298 | 0.0000943 | 0.000237 | 0.000562 | 0.0559 |
| 2035 Jul | 62.3 | 0.000532 | 0.133 | 0.000536 | 13.4 | 0.0452 | 5.52 | 0.00000542 | 0.00783 | 0.000693 | 0.00568 | 0.0157 | 0.0000122 | 9.13 | 0.000003 | 0.0000936 | 0.000236 | 0.000562 | 0.0555 |
| 2035 Aug | 62.9 | 0.000412 | 0.134 | 0.00054 | 13.6 | 0.0456 | 5.54 | 0.00000546 | 0.00792 | 0.000698 | 0.00571 | 0.0159 | 0.0000123 | 9.22 | 0.00000302 | 0.0000936 | 0.000238 | 0.000568 | 0.0561 |
| 2035 Sep | 62.6 | 0.000574 | 0.132 | 0.000536 | 13.5 | 0.0452 | 5.45 | 0.00000541 | 0.00789 | 0.00069 | 0.00565 | 0.0157 | 0.0000121 | 9.15 | 0.00000298 | 0.0000912 | 0.000237 | 0.000564 | 0.0558 |
| 2035 Oct | 61.6 | 0.00242 | 0.127 | 0.000532 | 13.3 | 0.0447 | 5.38 | 0.00000538 | 0.00777 | 0.000678 | 0.0056 | 0.0155 | 0.000012 | 9 | 0.00000296 | 0.0000894 | 0.000233 | 0.000556 | 0.0547 |
| 2035 Nov | 61 | 0.0035 | 0.125 | 0.000531 | 13.2 | 0.0445 | 5.35 | 0.00000537 | 0.0077 | 0.000671 | 0.00559 | 0.0154 | 0.0000119 | 8.92 | 0.00000295 | 0.0000888 | 0.000231 | 0.000552 | 0.054 |
| 2035 Dec | 60.9 | 0.00353 | 0.124 | 0.000531 | 13.1 | 0.0445 | 5.35 | 0.00000537 | 0.00768 | 0.00067 | 0.00559 | 0.0154 | 0.0000119 | 8.91 | 0.00000295 | 0.0000888 | 0.00023 | 0.000551 | 0.0539 |
| 2036 Jan | 60.9 | 0.00354 | 0.124 | 0.000531 | 13.1 | 0.0445 | 5.34 | 0.00000537 | 0.00768 | 0.00067 | 0.00559 | 0.0154 | 0.0000119 | 8.91 | 0.00000295 | 0.0000888 | 0.00023 | 0.000551 | 0.0539 |
| 2036 Feb | 60.9 | 0.00354 | 0.124 | 0.000531 | 13.1 | 0.0445 | 5.34 | 0.00000537 | 0.00768 | 0.00067 | 0.00559 | 0.0154 | 0.0000119 | 8.91 | 0.00000295 | 0.0000888 | 0.00023 | 0.000551 | 0.0538 |
| 2036 Mar | 60.9 | 0.00354 | 0.124 | 0.000531 | 13.1 | 0.0445 | 5.34 | 0.00000537 | 0.00768 | 0.00067 | 0.00559 | 0.0154 | 0.0000119 | 8.91 | 0.00000295 | 0.0000888 | 0.00023 | 0.000551 | 0.0538 |
| 2036 Apr | 61 | 0.00355 | 0.124 | 0.000532 | 13.1 | 0.0445 | 5.35 | 0.00000537 | 0.00769 | 0.000671 | 0.00559 | 0.0154 | 0.0000119 | 8.92 | 0.00000296 | 0.0000888 | 0.00023 | 0.000551 | 0.0539 |
| 2036 May | 61.3 | 0.00354 | 0.125 | 0.000534 | 13.2 | 0.0447 | 5.37 | 0.00000539 | 0.00772 | 0.000674 | 0.00562 | 0.0155 | 0.000012 | 8.96 | 0.00000297 | 0.0000892 | 0.000231 | 0.000554 | 0.0541 |
| 2036 Jun | 60.8 | 0.00143 | 0.124 | 0.000528 | 13.1 | 0.0443 | 5.24 | 0.00000533 | 0.00768 | 0.000661 | 0.00552 | 0.0153 | 0.0000117 | 8.85 | 0.00000292 | 0.0000851 | 0.00023 | 0.000549 | 0.0536 |
| 2036 Jul | 60.2 | 0.000444 | 0.122 | 0.000528 | 13 | 0.0441 | 5.18 | 0.00000532 | 0.00759 | 0.000651 | 0.0055 | 0.0152 | 0.0000116 | 8.76 | 0.00000291 | 0.0000833 | 0.000227 | 0.000544 | 0.0527 |
| 2036 Aug | 60.7 | 0.000522 | 0.122 | 0.000533 | 13.1 | 0.0445 | 5.21 | 0.00000537 | 0.00766 | 0.000656 | 0.00555 | 0.0153 | 0.0000117 | 8.84 | 0.00000293 | 0.0000836 | 0.000229 | 0.000549 | 0.0532 |
| 2036 Sep | 61 | 0.000614 | 0.123 | 0.000533 | 13.1 | 0.0446 | 5.21 | 0.00000537 | 0.0077 | 0.000658 | 0.00554 | 0.0154 | 0.0000117 | 8.86 | 0.00000293 | 0.0000832 | 0.00023 | 0.000551 | 0.0535 |
| 2036 Oct | 60.5 | 0.00329 | 0.118 | 0.00053 | 13 | 0.0443 | 5.16 | 0.00000534 | 0.00765 | 0.000652 | 0.00551 | 0.0153 | 0.0000116 | 8.8 | 0.00000291 | 0.0000819 | 0.000228 | 0.000547 | 0.053 |
| 2036 Nov | 60.2 | 0.00364 | 0.117 | 0.00053 | 13 | 0.0442 | 5.15 | 0.00000534 | 0.0076 | 0.000648 | 0.0055 | 0.0152 | 0.0000116 | 8.75 | 0.00000291 | 0.0000817 | 0.000227 | 0.000544 | 0.0526 |
| 2036 Dec | 60.1 | 0.00366 | 0.117 | 0.00053 | 13 | 0.0442 | 5.14 | 0.00000534 | 0.00759 | 0.000647 | 0.0055 | 0.0152 | 0.0000116 | 8.75 | 0.00000291 | 0.0000817 | 0.000227 | 0.000544 | 0.0525 |
| 2037 Jan | 60.1 | 0.00367 | 0.117 | 0.00053 | 13 | 0.0442 | 5.14 | 0.00000534 | 0.00759 | 0.000647 | 0.0055 | 0.0152 | 0.0000116 | 8.75 | 0.00000291 | 0.0000817 | 0.000227 | 0.000544 | 0.0525 |
| 2037 Feb | 60.1 | 0.00367 | 0.117 | 0.00053 | 13 | 0.0442 | 5.14 | 0.00000534 | 0.00759 | 0.000647 | 0.0055 | 0.0152 | 0.0000116 | 8.75 | 0.00000291 | 0.0000817 | 0.000227 | 0.000544 | 0.0525 |
| 2037 Mar | 60.1 | 0.00367 | 0.117 | 0.00053 | 13 | 0.0442 | 5.14 | 0.00000534 | 0.00759 | 0.000647 | 0.0055 | 0.0152 | 0.0000116 | 8.75 | 0.00000291 | 0.0000817 | 0.000227 | 0.000544 | 0.0525 |
| 2037 Apr | 60.2 | 0.00368 | 0.117 | 0.00053 | 13 | 0.0442 | 5.15 | 0.00000534 | 0.0076 | 0.000648 | 0.00551 | 0.0152 | 0.0000116 | 8.75 | 0.00000291 | 0.0000818 | 0.000227 | 0.000544 | 0.0525 |
| 2037 May | 60.3 | 0.00691 | 0.114 | 0.00053 | 13 | 0.0442 | 5.12 | 0.00000533 | 0.00763 | 0.000647 | 0.00549 | 0.0152 | 0.0000115 | 8.76 | 0.0000029 | 0.0000809 | 0.000228 | 0.000546 | 0.0528 |
| 2037 Jun | 57.9 | 0.00451 | 0.109 | 0.000517 | 12.4 | 0.0428 | 4.9 | 0.0000052 | 0.00732 | 0.000616 | 0.00532 | 0.0146 | 0.0000111 | 8.4 | 0.00000281 | 0.000076 | 0.000218 | 0.000525 | 0.0501 |
| 2037 Jul | 57.9 | 0.00053 | 0.112 | 0.000519 | 12.4 | 0.0429 | 4.91 | 0.00000522 | 0.00732 | 0.000615 | 0.00534 | 0.0147 | 0.0000111 | 8.4 | 0.00000282 | 0.0000757 | 0.000217 | 0.000525 | 0.05 |
| 2037 Aug | 58.5 | 0.000507 | 0.113 | 0.000523 | 12.6 | 0.0433 | 4.94 | 0.00000526 | 0.00739 | 0.00062 | 0.00539 | 0.0148 | 0.0000112 | 8.47 | 0.00000285 | 0.0000761 | 0.00022 | 0.00053 | 0.0505 |
| 2037 Sep | 59 | 0.000603 | 0.114 | 0.000526 | 12.7 | 0.0436 | 4.97 | 0.00000529 | 0.00746 | 0.000625 | 0.00542 | 0.0149 | 0.0000112 | 8.54 | 0.00000286 | 0.0000764 | 0.000222 | 0.000534 | 0.051 |
| 2037 Oct | 59.2 | 0.00153 | 0.113 | 0.000526 | 12.7 | 0.0436 | 4.96 | 0.00000529 | 0.00749 | 0.000626 | 0.00541 | 0.0149 | 0.0000112 | 8.56 | 0.00000285 | 0.000076 | 0.000222 | 0.000536 | 0.0513 |
| 2037 Nov | 59.1 | 0.00201 | 0.112 | 0.000526 | 12.7 | 0.0436 | 4.95 | 0.00000528 | 0.00748 | 0.000625 | 0.0054 | 0.0149 | 0.0000112 | 8.55 | 0.00000285 | 0.0000758 | 0.000222 | 0.000535 | 0.0511 |
| 2037 Dec | 59.1 | 0.00204 | 0.112 | 0.000526 | 12.7 | 0.0436 | 4.95 | 0.00000528 | 0.00747 | 0.000624 | 0.0054 | 0.0149 | 0.0000112 | 8.54 | 0.00000285 | 0.0000758 | 0.000222 | 0.000535 | 0.0511 |
| 2038 Jan | 59.1 | 0.00205 | 0.112 | 0.000526 | 12.7 | 0.0436 | 4.95 | 0.00000528 | 0.00747 | 0.000624 | 0.0054 | 0.0149 | 0.0000112 | 8.54 | 0.00000285 | 0.0000758 | 0.000222 | 0.000535 | 0.0511 |
| 2038 Feb | 59.1 | 0.00205 | 0.112 | 0.000526 | 12.7 | 0.0436 | 4.95 | 0.00000528 | 0.00747 | 0.000624 | 0.0054 | 0.0149 | 0.0000112 | 8.54 | 0.00000285 | 0.0000758 | 0.000222 | 0.000535 | 0.0511 |
| 2038 Mar | 59.1 | 0.00205 | 0.112 | 0.000526 | 12.7 | 0.0436 | 4.95 | 0.00000528 | 0.00747 | 0.000624 | 0.0054 | 0.0149 | 0.0000112 | 8.54 | 0.00000285 | 0.0000758 | 0.000222 | 0.000535 | 0.0511 |
| 2038 Apr | 59.1 | 0.00206 | 0.112 | 0.000526 | 12.7 | 0.0436 | 4.95 | 0.00000528 | 0.00747 | 0.000624 | 0.0054 | 0.0149 | 0.0000112 | 8.54 | 0.00000285 | 0.0000758 | 0.000222 | 0.000535 | 0.0511 |
| 2038 May | 59.1 | 0.00404 | 0.11 | 0.000524 | 12.7 | 0.0435 | 4.93 | 0.00000527 | 0.00748 | 0.000623 | 0.00538 | 0.0149 | 0.0000112 | 8.54 | 0.00000284 | 0.0000753 | 0.000222 | 0.000535 | 0.0512 |
| 2038 Jun | 57.8 | 0.00292 | 0.107 | 0.000517 | 12.4 | 0.0427 | 4.8 | 0.00000519 | 0.00732 | 0.000606 | 0.00529 | 0.0146 | 0.0000109 | 8.34 | 0.00000279 | 0.0000724 | 0.000217 | 0.000524 | 0.0498 |
| 2038 Jul | 58.6 | 0.00047 | 0.111 | 0.000525 | 12.5 | 0.0433 | 4.87 | 0.00000528 | 0.00742 | 0.000613 | 0.00537 | 0.0148 | 0.0000111 | 8.45 | 0.00000283 | 0.0000732 | 0.000219 | 0.000531 | 0.0504 |
| 2038 Aug | 59.5 | 0.000507 | 0.113 | 0.000531 | 12.8 | 0.0439 | 4.93 | 0.00000533 | 0.00755 | 0.000623 | 0.00543 | 0.015 | 0.0000112 | 8.58 | 0.00000286 | 0.0000739 | 0.000223 | 0.000539 | 0.0513 |
| 2038 Sep | 59.9 | 0.000578 | 0.113 | 0.000531 | 12.8 | 0.044 | 4.93 | 0.00000534 | 0.00759 | 0.000626 | 0.00543 | 0.0151 | 0.0000112 | 8.62 | 0.00000285 | 0.0000737 | 0.000225 | 0.000542 | 0.0518 |
| 2038 Oct | 59.7 | 0.00176 | 0.112 | 0.000529 | 12.8 | 0.0438 | 4.89 | 0.00000531 | 0.00758 | 0.000623 | 0.0054 | 0.015 | 0.0000111 | 8.6 | 0.00000283 | 0.0000729 | 0.000224 | 0.000541 | 0.0517 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 59.5 | 0.00188 | 0.111 | 0.000529 | 12.8 | 0.0438 | 4.89 | 0.00000531 | 0.00756 | 0.000621 | 0.0054 | 0.015 | 0.0000111 | 8.57 | 0.00000284 | 0.0000729 | 0.000224 | 0.000539 | 0.0515 |
| 2038 Dec | 59.5 | 0.0019 | 0.111 | 0.000529 | 12.8 | 0.0438 | 4.89 | 0.00000531 | 0.00756 | 0.000621 | 0.0054 | 0.015 | 0.0000111 | 8.57 | 0.00000284 | 0.0000729 | 0.000223 | 0.000539 | 0.0515 |
| 2039 Jan | 59.5 | 0.0019 | 0.111 | 0.000529 | 12.8 | 0.0438 | 4.89 | 0.00000531 | 0.00756 | 0.000621 | 0.0054 | 0.015 | 0.0000111 | 8.57 | 0.00000284 | 0.0000729 | 0.000223 | 0.000539 | 0.0515 |
| 2039 Feb | 59.5 | 0.00191 | 0.111 | 0.000529 | 12.8 | 0.0438 | 4.89 | 0.00000531 | 0.00756 | 0.000621 | 0.0054 | 0.015 | 0.0000111 | 8.57 | 0.00000284 | 0.0000729 | 0.000223 | 0.000539 | 0.0515 |
| 2039 Mar | 59.5 | 0.00191 | 0.111 | 0.000529 | 12.8 | 0.0438 | 4.89 | 0.00000531 | 0.00756 | 0.000621 | 0.0054 | 0.015 | 0.0000111 | 8.57 | 0.00000284 | 0.0000729 | 0.000223 | 0.000539 | 0.0515 |
| 2039 Apr | 59.5 | 0.00191 | 0.111 | 0.000529 | 12.8 | 0.0438 | 4.89 | 0.00000531 | 0.00756 | 0.000621 | 0.0054 | 0.015 | 0.0000111 | 8.57 | 0.00000284 | 0.0000729 | 0.000223 | 0.000539 | 0.0515 |
| 2039 May | 59.5 | 0.00191 | 0.111 | 0.000529 | 12.8 | 0.0438 | 4.89 | 0.00000531 | 0.00756 | 0.000621 | 0.0054 | 0.015 | 0.0000111 | 8.57 | 0.00000284 | 0.0000729 | 0.000223 | 0.000539 | 0.0515 |
| 2039 Jun | 58.7 | 0.00182 | 0.109 | 0.000522 | 12.6 | 0.0432 | 4.79 | 0.00000524 | 0.00744 | 0.00061 | 0.00532 | 0.0148 | 0.0000109 | 8.44 | 0.00000278 | 0.0000707 | 0.00022 | 0.000531 | 0.0506 |
| 2039 Jul | 58.3 | 0.000543 | 0.108 | 0.000522 | 12.5 | 0.0431 | 4.77 | 0.00000524 | 0.00737 | 0.000604 | 0.00531 | 0.0147 | 0.0000109 | 8.39 | 0.00000278 | 0.0000698 | 0.000218 | 0.000528 | 0.05 |
| 2039 Aug | 58.6 | 0.000622 | 0.108 | 0.000527 | 12.6 | 0.0435 | 4.8 | 0.00000529 | 0.00741 | 0.000607 | 0.00536 | 0.0148 | 0.0000109 | 8.43 | 0.0000028 | 0.0000702 | 0.000219 | 0.000531 | 0.0502 |
| 2039 Sep | 59.1 | 0.000513 | 0.109 | 0.000528 | 12.6 | 0.0436 | 4.81 | 0.0000053 | 0.00747 | 0.000611 | 0.00537 | 0.0149 | 0.000011 | 8.49 | 0.0000028 | 0.0000702 | 0.000221 | 0.000534 | 0.0506 |
| 2039 Oct | 59 | 0.000474 | 0.109 | 0.000528 | 12.6 | 0.0436 | 4.81 | 0.0000053 | 0.00746 | 0.000609 | 0.00536 | 0.0149 | 0.000011 | 8.47 | 0.0000028 | 0.00007 | 0.000221 | 0.000533 | 0.0505 |
| 2039 Nov | 58.9 | 0.000509 | 0.109 | 0.000528 | 12.6 | 0.0436 | 4.81 | 0.0000053 | 0.00745 | 0.000609 | 0.00537 | 0.0149 | 0.000011 | 8.47 | 0.0000028 | 0.00007 | 0.000221 | 0.000533 | 0.0505 |
| 2039 Dec | 58.9 | 0.00052 | 0.109 | 0.000528 | 12.6 | 0.0436 | 4.81 | 0.0000053 | 0.00745 | 0.000609 | 0.00537 | 0.0149 | 0.000011 | 8.47 | 0.0000028 | 0.00007 | 0.000221 | 0.000533 | 0.0505 |
| 2040 Jan | 58.9 | 0.000526 | 0.109 | 0.000528 | 12.6 | 0.0436 | 4.81 | 0.0000053 | 0.00745 | 0.000609 | 0.00537 | 0.0149 | 0.000011 | 8.47 | 0.0000028 | 0.00007 | 0.000221 | 0.000533 | 0.0505 |
| 2040 Feb | 58.9 | 0.000529 | 0.109 | 0.000528 | 12.6 | 0.0436 | 4.81 | 0.0000053 | 0.00745 | 0.000609 | 0.00537 | 0.0149 | 0.000011 | 8.47 | 0.0000028 | 0.00007 | 0.000221 | 0.000533 | 0.0505 |
| 2040 Mar | 58.9 | 0.000531 | 0.109 | 0.000528 | 12.6 | 0.0436 | 4.81 | 0.0000053 | 0.00745 | 0.000609 | 0.00537 | 0.0149 | 0.000011 | 8.47 | 0.0000028 | 0.00007 | 0.000221 | 0.000533 | 0.0505 |
| 2040 Apr | 58.9 | 0.000532 | 0.109 | 0.000528 | 12.6 | 0.0436 | 4.81 | 0.0000053 | 0.00745 | 0.000609 | 0.00537 | 0.0149 | 0.000011 | 8.47 | 0.0000028 | 0.00007 | 0.000221 | 0.000533 | 0.0505 |
| 2040 May | 59 | 0.00151 | 0.108 | 0.000528 | 12.6 | 0.0436 | 4.8 | 0.00000529 | 0.00747 | 0.00061 | 0.00536 | 0.0149 | 0.0000109 | 8.48 | 0.0000028 | 0.0000699 | 0.000221 | 0.000534 | 0.0506 |
| 2040 Jun | 57.9 | 0.00232 | 0.104 | 0.000521 | 12.4 | 0.0429 | 4.7 | 0.00000522 | 0.00731 | 0.000595 | 0.00528 | 0.0146 | 0.0000107 | 8.31 | 0.00000274 | 0.0000678 | 0.000216 | 0.000523 | 0.0494 |
| 2040 Jul | 58 | 0.000531 | 0.105 | 0.000524 | 12.4 | 0.0431 | 4.72 | 0.00000525 | 0.00732 | 0.000596 | 0.00531 | 0.0147 | 0.0000108 | 8.32 | 0.00000276 | 0.000068 | 0.000217 | 0.000525 | 0.0494 |
| 2040 Aug | 58.5 | 0.000697 | 0.106 | 0.000527 | 12.5 | 0.0434 | 4.75 | 0.00000529 | 0.0074 | 0.000601 | 0.00534 | 0.0148 | 0.0000109 | 8.4 | 0.00000277 | 0.0000682 | 0.000219 | 0.000529 | 0.0499 |
| 2040 Sep | 58.6 | 0.000383 | 0.107 | 0.000527 | 12.5 | 0.0434 | 4.74 | 0.00000528 | 0.0074 | 0.000601 | 0.00533 | 0.0148 | 0.0000108 | 8.4 | 0.00000276 | 0.0000679 | 0.000219 | 0.000529 | 0.05 |
| 2040 Oct | 58.4 | 0.00019 | 0.106 | 0.000528 | 12.5 | 0.0434 | 4.74 | 0.00000529 | 0.00739 | 0.0006 | 0.00534 | 0.0148 | 0.0000109 | 8.39 | 0.00000277 | 0.000068 | 0.000218 | 0.000529 | 0.0498 |
| 2040 Nov | 58.5 | 0.000212 | 0.106 | 0.000528 | 12.5 | 0.0434 | 4.74 | 0.0000053 | 0.00739 | 0.0006 | 0.00535 | 0.0148 | 0.0000109 | 8.39 | 0.00000277 | 0.000068 | 0.000219 | 0.000529 | 0.0498 |
| 2040 Dec | 58.5 | 0.00022 | 0.106 | 0.000528 | 12.5 | 0.0434 | 4.74 | 0.0000053 | 0.00739 | 0.0006 | 0.00535 | 0.0148 | 0.0000109 | 8.39 | 0.00000277 | 0.000068 | 0.000219 | 0.000529 | 0.0498 |
| 2041 Jan | 58.5 | 0.000225 | 0.106 | 0.000528 | 12.5 | 0.0434 | 4.74 | 0.0000053 | 0.00739 | 0.0006 | 0.00535 | 0.0148 | 0.0000109 | 8.39 | 0.00000277 | 0.000068 | 0.000219 | 0.000529 | 0.0498 |
| 2041 Feb | 58.5 | 0.000228 | 0.106 | 0.000528 | 12.5 | 0.0434 | 4.74 | 0.0000053 | 0.00739 | 0.0006 | 0.00535 | 0.0148 | 0.0000109 | 8.39 | 0.00000277 | 0.000068 | 0.000219 | 0.000529 | 0.0498 |
| 2041 Mar | 58.5 | 0.000229 | 0.106 | 0.000528 | 12.5 | 0.0434 | 4.74 | 0.0000053 | 0.00739 | 0.0006 | 0.00535 | 0.0148 | 0.0000109 | 8.39 | 0.00000277 | 0.000068 | 0.000219 | 0.000529 | 0.0498 |
| 2041 Apr | 58.5 | 0.00023 | 0.106 | 0.000528 | 12.5 | 0.0434 | 4.74 | 0.0000053 | 0.00739 | 0.0006 | 0.00535 | 0.0148 | 0.0000109 | 8.39 | 0.00000277 | 0.000068 | 0.000219 | 0.000529 | 0.0498 |
| 2041 May | 58.6 | 0.00051 | 0.106 | 0.000528 | 12.5 | 0.0434 | 4.75 | 0.0000053 | 0.0074 | 0.000601 | 0.00535 | 0.0148 | 0.0000109 | 8.4 | 0.00000277 | 0.000068 | 0.000219 | 0.00053 | 0.0499 |
| 2041 Jun | 58.4 | 0.00133 | 0.105 | 0.000525 | 12.5 | 0.0432 | 4.7 | 0.00000526 | 0.00738 | 0.000598 | 0.0053 | 0.0147 | 0.0000108 | 8.37 | 0.00000274 | 0.0000671 | 0.000218 | 0.000527 | 0.0498 |
| 2041 Jul | 57.8 | 0.00042 | 0.104 | 0.000523 | 12.4 | 0.043 | 4.67 | 0.00000524 | 0.00728 | 0.000591 | 0.00529 | 0.0146 | 0.0000107 | 8.28 | 0.00000273 | 0.0000664 | 0.000216 | 0.000522 | 0.049 |
| 2041 Aug | 57.9 | 0.000525 | 0.104 | 0.000524 | 12.4 | 0.0431 | 4.67 | 0.00000525 | 0.0073 | 0.000592 | 0.00529 | 0.0147 | 0.0000107 | 8.3 | 0.00000273 | 0.0000662 | 0.000216 | 0.000523 | 0.0492 |
| 2041 Sep | 57.8 | 0.000651 | 0.103 | 0.000525 | 12.4 | 0.0431 | 4.67 | 0.00000526 | 0.00728 | 0.00059 | 0.0053 | 0.0146 | 0.0000107 | 8.29 | 0.00000273 | 0.0000662 | 0.000216 | 0.000522 | 0.049 |
| 2041 Oct | 57.3 | 0.00152 | 0.101 | 0.000523 | 12.3 | 0.0428 | 4.64 | 0.00000524 | 0.00722 | 0.000585 | 0.00528 | 0.0145 | 0.0000107 | 8.22 | 0.00000272 | 0.0000658 | 0.000214 | 0.000518 | 0.0485 |
| 2041 Nov | 57.2 | 0.00162 | 0.101 | 0.000523 | 12.2 | 0.0428 | 4.64 | 0.00000524 | 0.0072 | 0.000584 | 0.00528 | 0.0145 | 0.0000107 | 8.2 | 0.00000272 | 0.0000657 | 0.000213 | 0.000517 | 0.0483 |
| 2041 Dec | 57.2 | 0.00164 | 0.101 | 0.000523 | 12.2 | 0.0428 | 4.64 | 0.00000524 | 0.0072 | 0.000584 | 0.00528 | 0.0145 | 0.0000107 | 8.2 | 0.00000272 | 0.0000657 | 0.000213 | 0.000517 | 0.0483 |
| 2042 Jan | 57.2 | 0.00165 | 0.101 | 0.000523 | 12.2 | 0.0428 | 4.64 | 0.00000524 | 0.0072 | 0.000584 | 0.00528 | 0.0145 | 0.0000107 | 8.2 | 0.00000272 | 0.0000657 | 0.000213 | 0.000517 | 0.0483 |
| 2042 Feb | 57.2 | 0.00165 | 0.101 | 0.000523 | 12.2 | 0.0428 | 4.64 | 0.00000524 | 0.0072 | 0.000584 | 0.00528 | 0.0145 | 0.0000107 | 8.2 | 0.00000272 | 0.0000657 | 0.000213 | 0.000517 | 0.0483 |
| 2042 Mar | 57.2 | 0.00165 | 0.101 | 0.000523 | 12.2 | 0.0428 | 4.64 | 0.00000524 | 0.0072 | 0.000584 | 0.00528 | 0.0145 | 0.0000107 | 8.2 | 0.00000272 | 0.0000657 | 0.000213 | 0.000517 | 0.0483 |
| 2042 Apr | 57.2 | 0.00166 | 0.101 | 0.000523 | 12.2 | 0.0428 | 4.64 | 0.00000524 | 0.0072 | 0.000584 | 0.00528 | 0.0145 | 0.0000107 | 8.2 | 0.00000272 | 0.0000657 | 0.000213 | 0.000517 | 0.0483 |
| 2042 May | 57.3 | 0.00202 | 0.101 | 0.000524 | 12.3 | 0.0428 | 4.65 | 0.00000524 | 0.00722 | 0.000585 | 0.00528 | 0.0145 | 0.0000107 | 8.22 | 0.00000272 | 0.0000658 | 0.000214 | 0.000518 | 0.0485 |
| 2042 Jun | 57.2 | 0.00181 | 0.101 | 0.00052 | 12.3 | 0.0426 | 4.61 | 0.0000052 | 0.00721 | 0.000583 | 0.00524 | 0.0145 | 0.0000106 | 8.2 | 0.00000269 | 0.0000649 | 0.000214 | 0.000516 | 0.0485 |
| 2042 Jul | 56.8 | 0.000563 | 0.101 | 0.000518 | 12.2 | 0.0425 | 4.58 | 0.00000519 | 0.00714 | 0.000578 | 0.00522 | 0.0144 | 0.0000105 | 8.15 | 0.00000267 | 0.0000644 | 0.000212 | 0.000513 | 0.048 |
| 2042 Aug | 56.6 | 0.000562 | 0.0999 | 0.000518 | 12.1 | 0.0424 | 4.57 | 0.00000518 | 0.00711 | 0.000576 | 0.00521 | 0.0144 | 0.0000105 | 8.12 | 0.00000267 | 0.0000641 | 0.000211 | 0.000511 | 0.0477 |
| 2042 Sep | 56.3 | 0.000619 | 0.0992 | 0.000517 | 12.1 | 0.0423 | 4.55 | 0.00000518 | 0.00708 | 0.000573 | 0.0052 | 0.0143 | 0.0000105 | 8.08 | 0.00000266 | 0.0000638 | 0.00021 | 0.000509 | 0.0475 |
| 2042 Oct | 55.3 | 0.00364 | 0.0939 | 0.000512 | 11.9 | 0.0417 | 4.49 | 0.00000513 | 0.00697 | 0.000563 | 0.00515 | 0.0141 | 0.0000104 | 7.94 | 0.00000263 | 0.0000629 | 0.000207 | 0.0005 | 0.0465 |
| 2042 Nov | 55 | 0.00387 | 0.0927 | 0.000512 | 11.8 | 0.0416 | 4.48 | 0.00000513 | 0.00693 | 0.00056 | 0.00515 | 0.014 | 0.0000104 | 7.9 | 0.00000264 | 0.0000628 | 0.000205 | 0.000498 | 0.0461 |
| 2042 Dec | 55 | 0.00389 | 0.0926 | 0.000512 | 11.8 | 0.0416 | 4.48 | 0.00000513 | 0.00692 | 0.000559 | 0.00515 | 0.014 | 0.0000104 | 7.9 | 0.00000264 | 0.0000628 | 0.000205 | 0.000497 | 0.0461 |
| 2043 Jan | 55 | 0.00389 | 0.0926 | 0.000512 | 11.8 | 0.0416 | 4.48 | 0.00000513 | 0.00692 | 0.000559 | 0.00515 | 0.014 | 0.0000104 | 7.9 | 0.00000264 | 0.0000628 | 0.000205 | 0.000497 | 0.0461 |
| 2043 Feb | 55 | 0.0039 | 0.0926 | 0.000512 | 11.8 | 0.0416 | 4.48 | 0.00000513 | 0.00692 | 0.000559 | 0.00515 | 0.014 | 0.0000104 | 7.9 | 0.00000264 | 0.0000628 | 0.000205 | 0.000497 | 0.0461 |
| 2043 Mar | 55 | 0.0039 | 0.0926 | 0.000512 | 11.8 | 0.0416 | 4.48 | 0.00000513 | 0.00692 | 0.000559 | 0.00515 | 0.014 | 0.0000104 | 7.9 | 0.00000264 | 0.0000628 | 0.000205 | 0.000497 | 0.0461 |
| 2043 Apr | 55 | 0.0039 | 0.0927 | 0.000513 | 11.8 | 0.0416 | 4.48 | 0.00000513 | 0.00693 | 0.00056 | 0.00516 | 0.014 | 0.0000104 | 7.9 | 0.00000264 | 0.0000629 | 0.000205 | 0.000498 | 0.0461 |
| 2043 May | 55.4 | 0.00478 | 0.0927 | 0.000514 | 11.9 | 0.0418 | 4.5 | 0.00000515 | 0.00698 | 0.000564 | 0.00518 | 0.0141 | 0.0000104 | 7.96 | 0.00000265 | 0.0000631 | 0.000207 | 0.000501 | 0.0465 |
| 2043 Jun | 55.1 | 0.00388 | 0.0933 | 0.000509 | 11.8 | 0.0414 | 4.44 | 0.00000509 | 0.00699 | 0.00056 | 0.00512 | 0.014 | 0.0000103 | 7.91 | 0.00000262 | 0.0000621 | 0.000206 | 0.000499 | 0.0466 |
| 2043 Jul | 55.6 | 0.000649 | 0.097 | 0.000515 | 11.9 | 0.0418 | 4.49 | 0.00000515 | 0.00704 | 0.000564 | 0.00518 | 0.0141 | 0.0000104 | 7.97 | 0.00000265 | 0.0000627 | 0.000208 | 0.000503 | 0.0468 |
| 2043 Aug | 56.4 | 0.000653 | 0.099 | 0.000516 | 12.1 | 0.0421 | 4.51 | 0.00000517 | 0.00716 | 0.000572 | 0.00519 | 0.0143 | 0.0000105 | 8.08 | 0.00000266 | 0.000063 | 0.000211 | 0.00051 | 0.0478 |
| 2043 Sep | 56 | 0.000588 | 0.0983 | 0.000515 | 12 | 0.0419 | 4.49 | 0.00000515 | 0.00712 | 0.000569 | 0.00517 | 0.0142 | 0.0000104 | 8.03 | 0.00000265 | 0.0000626 | 0.00021 | 0.000507 | 0.0475 |
| 2043 Oct | 55.7 | 0.000783 | 0.0972 | 0.000515 | 11.9 | 0.0418 | 4.48 | 0.00000515 | 0.00708 | 0.000565 | 0.00517 | 0.0141 | 0.0000104 | 7.99 | 0.00000265 | 0.0000625 | 0.000208 | 0.000505 | 0.0471 |
| 2043 Nov | 55.7 | 0.000823 | 0.097 | 0.000515 | 11.9 | 0.0418 | 4.48 | 0.00000516 | 0.00708 | 0.000565 | 0.00518 | 0.0141 | 0.0000104 | 7.98 | 0.00000265 | 0.0000625 | 0.000208 | 0.000505 | 0.047 |
| 2043 Dec | 55.7 | 0.000836 | 0.097 | 0.000515 | 11.9 | 0.0418 | 4.48 | 0.00000516 | 0.00708 | 0.000565 | 0.00518 | 0.0141 | 0.0000104 | 7.98 | 0.00000265 | 0.0000625 | 0.000208 | 0.000505 | 0.047 |
| 2044 Jan | 55.7 | 0.000842 | 0.097 | 0.000515 | 11.9 | 0.0418 | 4.48 | 0.00000516 | 0.00708 | 0.000565 | 0.00518 | 0.0141 | 0.0000104 | 7.98 | 0.00000265 | 0.0000625 | 0.000208 | 0.000505 | 0.047 |
| 2044 Feb | 55.7 | 0.000845 | 0.097 | 0.000515 | 11.9 | 0.0418 | 4.48 | 0.00000516 | 0.00708 | 0.000565 | 0.00518 | 0.0141 | 0.0000104 | 7.98 | 0.00000265 | 0.0000625 | 0.000208 | 0.000505 | 0.047 |
| 2044 Mar | 55.7 | 0.000847 | 0.097 | 0.000515 | 11.9 | 0.0418 | 4.48 | 0.00000516 | 0.00708 | 0.000565 | 0.00518 | 0.0141 | 0.0000104 | 7.98 | 0.00000265 | 0.0000625 | 0.000208 | 0.000505 | 0.047 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 55.7 | 0.000848 | 0.097 | 0.000515 | 11.9 | 0.0418 | 4.48 | 0.00000516 | 0.00708 | 0.000565 | 0.00518 | 0.0141 | 0.0000104 | 7.98 | 0.00000265 | 0.0000625 | 0.000208 | 0.000505 | 0.047 |
| 2044 May | 55.8 | 0.000978 | 0.097 | 0.000516 | 11.9 | 0.0419 | 4.48 | 0.00000516 | 0.00709 | 0.000566 | 0.00518 | 0.0142 | 0.0000104 | 7.99 | 0.00000265 | 0.0000626 | 0.000208 | 0.000505 | 0.0471 |
| 2044 Jun | 55.5 | 0.00173 | 0.096 | 0.000509 | 11.9 | 0.0414 | 4.43 | 0.0000051 | 0.00706 | 0.000562 | 0.00511 | 0.014 | 0.0000103 | 7.94 | 0.00000261 | 0.0000616 | 0.000207 | 0.000502 | 0.0471 |
| 2044 Jul | 55.7 | 0.000486 | 0.0971 | 0.000514 | 11.9 | 0.0417 | 4.46 | 0.00000514 | 0.00708 | 0.000564 | 0.00516 | 0.0141 | 0.0000104 | 7.97 | 0.00000264 | 0.000062 | 0.000208 | 0.000504 | 0.0471 |
| 2044 Aug | 56.5 | 0.000543 | 0.0987 | 0.000519 | 12.1 | 0.0423 | 4.51 | 0.0000052 | 0.00719 | 0.000572 | 0.00521 | 0.0143 | 0.0000105 | 8.09 | 0.00000266 | 0.0000627 | 0.000211 | 0.000512 | 0.0479 |
| 2044 Sep | 56.7 | 0.000792 | 0.0992 | 0.000517 | 12.1 | 0.0422 | 4.5 | 0.00000517 | 0.00722 | 0.000574 | 0.00519 | 0.0143 | 0.0000104 | 8.1 | 0.00000265 | 0.0000624 | 0.000212 | 0.000513 | 0.0482 |
| 2044 Oct | 56.1 | 0.0031 | 0.0956 | 0.000515 | 12 | 0.0419 | 4.47 | 0.00000515 | 0.00715 | 0.000568 | 0.00517 | 0.0142 | 0.0000104 | 8.03 | 0.00000264 | 0.000062 | 0.00021 | 0.000508 | 0.0477 |
| 2044 Nov | 55.8 | 0.00381 | 0.094 | 0.000515 | 11.9 | 0.0418 | 4.46 | 0.00000515 | 0.00711 | 0.000565 | 0.00517 | 0.0141 | 0.0000104 | 7.99 | 0.00000264 | 0.0000619 | 0.000208 | 0.000506 | 0.0473 |
| 2044 Dec | 55.7 | 0.00383 | 0.0938 | 0.000515 | 11.9 | 0.0418 | 4.46 | 0.00000515 | 0.0071 | 0.000564 | 0.00517 | 0.0141 | 0.0000104 | 7.98 | 0.00000264 | 0.0000619 | 0.000208 | 0.000505 | 0.0472 |
| 2045 Jan | 55.7 | 0.00384 | 0.0938 | 0.000515 | 11.9 | 0.0418 | 4.46 | 0.00000515 | 0.0071 | 0.000564 | 0.00517 | 0.0141 | 0.0000104 | 7.98 | 0.00000264 | 0.0000619 | 0.000208 | 0.000505 | 0.0472 |
| 2045 Feb | 55.7 | 0.00385 | 0.0938 | 0.000515 | 11.9 | 0.0418 | 4.46 | 0.00000515 | 0.0071 | 0.000564 | 0.00517 | 0.0141 | 0.0000104 | 7.98 | 0.00000264 | 0.0000619 | 0.000208 | 0.000505 | 0.0472 |
| 2045 Mar | 55.7 | 0.00385 | 0.0938 | 0.000515 | 11.9 | 0.0418 | 4.46 | 0.00000515 | 0.0071 | 0.000564 | 0.00517 | 0.0141 | 0.0000104 | 7.98 | 0.00000264 | 0.0000619 | 0.000208 | 0.000505 | 0.0472 |
| 2045 Apr | 55.8 | 0.00385 | 0.0938 | 0.000515 | 11.9 | 0.0418 | 4.46 | 0.00000515 | 0.0071 | 0.000565 | 0.00517 | 0.0141 | 0.0000104 | 7.99 | 0.00000264 | 0.0000619 | 0.000208 | 0.000505 | 0.0472 |
| 2045 May | 55.9 | 0.00386 | 0.0941 | 0.000516 | 12 | 0.0419 | 4.47 | 0.00000517 | 0.00712 | 0.000566 | 0.00518 | 0.0142 | 0.0000104 | 8.01 | 0.00000265 | 0.0000621 | 0.000209 | 0.000507 | 0.0473 |
| 2045 Jun | 56.2 | 0.00148 | 0.0974 | 0.000515 | 12.1 | 0.042 | 4.47 | 0.00000515 | 0.00717 | 0.000569 | 0.00516 | 0.0142 | 0.0000104 | 8.05 | 0.00000264 | 0.0000619 | 0.000211 | 0.000509 | 0.0478 |
| 2045 Jul | 56.6 | 0.000437 | 0.0988 | 0.00052 | 12.1 | 0.0424 | 4.51 | 0.00000521 | 0.00721 | 0.000573 | 0.00522 | 0.0143 | 0.0000105 | 8.11 | 0.00000267 | 0.0000624 | 0.000212 | 0.000513 | 0.048 |
| 2045 Aug | 57.3 | 0.000677 | 0.0997 | 0.000525 | 12.3 | 0.0428 | 4.55 | 0.00000525 | 0.00729 | 0.000579 | 0.00527 | 0.0145 | 0.0000106 | 8.2 | 0.0000027 | 0.000063 | 0.000214 | 0.000518 | 0.0486 |
| 2045 Sep | 57.6 | 0.000445 | 0.101 | 0.000525 | 12.4 | 0.0429 | 4.56 | 0.00000525 | 0.00734 | 0.000583 | 0.00527 | 0.0146 | 0.0000106 | 8.24 | 0.0000027 | 0.000063 | 0.000216 | 0.000521 | 0.049 |
| 2045 Oct | 57.6 | 0.000323 | 0.101 | 0.000526 | 12.4 | 0.0429 | 4.57 | 0.00000526 | 0.00734 | 0.000583 | 0.00527 | 0.0146 | 0.0000106 | 8.24 | 0.0000027 | 0.0000631 | 0.000216 | 0.000521 | 0.049 |
| 2045 Nov | 57.6 | 0.000344 | 0.101 | 0.000526 | 12.4 | 0.043 | 4.57 | 0.00000526 | 0.00734 | 0.000583 | 0.00528 | 0.0146 | 0.0000106 | 8.25 | 0.0000027 | 0.0000631 | 0.000216 | 0.000521 | 0.049 |
| 2045 Dec | 57.6 | 0.000353 | 0.101 | 0.000526 | 12.4 | 0.043 | 4.57 | 0.00000526 | 0.00734 | 0.000583 | 0.00528 | 0.0146 | 0.0000106 | 8.25 | 0.0000027 | 0.0000631 | 0.000216 | 0.000521 | 0.049 |
| 2046 Jan | 57.6 | 0.000358 | 0.101 | 0.000526 | 12.4 | 0.043 | 4.57 | 0.00000526 | 0.00734 | 0.000583 | 0.00528 | 0.0146 | 0.0000106 | 8.25 | 0.0000027 | 0.0000631 | 0.000216 | 0.000521 | 0.049 |
| 2046 Feb | 57.6 | 0.000361 | 0.101 | 0.000526 | 12.4 | 0.043 | 4.57 | 0.00000526 | 0.00734 | 0.000583 | 0.00528 | 0.0146 | 0.0000106 | 8.25 | 0.0000027 | 0.0000631 | 0.000216 | 0.000521 | 0.049 |
| 2046 Mar | 57.6 | 0.000363 | 0.101 | 0.000526 | 12.4 | 0.043 | 4.57 | 0.00000526 | 0.00734 | 0.000583 | 0.00528 | 0.0146 | 0.0000106 | 8.25 | 0.0000027 | 0.0000631 | 0.000216 | 0.000521 | 0.049 |
| 2046 Apr | 57.6 | 0.000363 | 0.101 | 0.000526 | 12.4 | 0.043 | 4.57 | 0.00000526 | 0.00734 | 0.000583 | 0.00528 | 0.0146 | 0.0000106 | 8.25 | 0.0000027 | 0.0000631 | 0.000216 | 0.000521 | 0.049 |
| 2046 May | 57.6 | 0.000364 | 0.101 | 0.000526 | 12.4 | 0.043 | 4.57 | 0.00000526 | 0.00734 | 0.000583 | 0.00528 | 0.0146 | 0.0000106 | 8.25 | 0.0000027 | 0.0000631 | 0.000216 | 0.000521 | 0.049 |
| 2046 Jun | 57 | 0.00265 | 0.0976 | 0.000517 | 12.2 | 0.0424 | 4.51 | 0.00000518 | 0.00723 | 0.000576 | 0.00519 | 0.0144 | 0.0000104 | 8.16 | 0.00000265 | 0.000062 | 0.000214 | 0.000515 | 0.0484 |
| 2046 Jul | 56.4 | 0.000428 | 0.0979 | 0.000517 | 12.1 | 0.0423 | 4.49 | 0.00000517 | 0.00711 | 0.00057 | 0.00518 | 0.0143 | 0.0000104 | 8.08 | 0.00000265 | 0.0000616 | 0.000211 | 0.000509 | 0.0475 |
| 2046 Aug | 56.9 | 0.000601 | 0.0987 | 0.00052 | 12.2 | 0.0426 | 4.53 | 0.00000521 | 0.00717 | 0.000575 | 0.00522 | 0.0144 | 0.0000105 | 8.15 | 0.00000267 | 0.0000621 | 0.000213 | 0.000513 | 0.048 |
| 2046 Sep | 56.8 | 0.000624 | 0.0985 | 0.000518 | 12.2 | 0.0425 | 4.51 | 0.00000518 | 0.00715 | 0.000573 | 0.00519 | 0.0144 | 0.0000104 | 8.13 | 0.00000265 | 0.0000618 | 0.000212 | 0.000512 | 0.0479 |
| 2046 Oct | 56.3 | 0.00135 | 0.0964 | 0.000516 | 12.1 | 0.0423 | 4.49 | 0.00000517 | 0.00707 | 0.000568 | 0.00518 | 0.0143 | 0.0000104 | 8.06 | 0.00000265 | 0.0000615 | 0.00021 | 0.000507 | 0.0473 |
| 2046 Nov | 56.1 | 0.00144 | 0.0959 | 0.000517 | 12.1 | 0.0422 | 4.49 | 0.00000517 | 0.00705 | 0.000567 | 0.00518 | 0.0143 | 0.0000104 | 8.04 | 0.00000265 | 0.0000614 | 0.000209 | 0.000506 | 0.0471 |
| 2046 Dec | 56.1 | 0.00145 | 0.0958 | 0.000517 | 12.1 | 0.0422 | 4.49 | 0.00000517 | 0.00705 | 0.000566 | 0.00518 | 0.0143 | 0.0000104 | 8.04 | 0.00000265 | 0.0000614 | 0.000209 | 0.000506 | 0.047 |
| 2047 Jan | 56.1 | 0.00146 | 0.0958 | 0.000517 | 12.1 | 0.0422 | 4.49 | 0.00000517 | 0.00705 | 0.000566 | 0.00518 | 0.0143 | 0.0000104 | 8.04 | 0.00000265 | 0.0000614 | 0.000209 | 0.000506 | 0.047 |
| 2047 Feb | 56.1 | 0.00146 | 0.0958 | 0.000517 | 12.1 | 0.0422 | 4.49 | 0.00000517 | 0.00705 | 0.000566 | 0.00518 | 0.0143 | 0.0000104 | 8.04 | 0.00000265 | 0.0000614 | 0.000209 | 0.000506 | 0.047 |
| 2047 Mar | 56.1 | 0.00147 | 0.0959 | 0.000517 | 12.1 | 0.0422 | 4.49 | 0.00000517 | 0.00705 | 0.000567 | 0.00518 | 0.0143 | 0.0000104 | 8.04 | 0.00000265 | 0.0000614 | 0.000209 | 0.000506 | 0.047 |
| 2047 Apr | 56.1 | 0.00147 | 0.0959 | 0.000517 | 12.1 | 0.0422 | 4.49 | 0.00000517 | 0.00706 | 0.000567 | 0.00518 | 0.0143 | 0.0000104 | 8.04 | 0.00000265 | 0.0000615 | 0.000209 | 0.000506 | 0.0471 |
| 2047 May | 56.3 | 0.00324 | 0.0945 | 0.000517 | 12.1 | 0.0423 | 4.49 | 0.00000517 | 0.00708 | 0.000568 | 0.00518 | 0.0143 | 0.0000104 | 8.06 | 0.00000265 | 0.0000615 | 0.00021 | 0.000507 | 0.0472 |
| 2047 Jun | 55.4 | 0.00296 | 0.0929 | 0.000512 | 11.9 | 0.0417 | 4.44 | 0.00000512 | 0.00696 | 0.000559 | 0.00513 | 0.0141 | 0.0000103 | 7.94 | 0.00000262 | 0.0000607 | 0.000206 | 0.0005 | 0.0464 |
| 2047 Jul | 56.2 | 0.000401 | 0.0969 | 0.000519 | 12.1 | 0.0423 | 4.5 | 0.00000519 | 0.00706 | 0.000567 | 0.0052 | 0.0143 | 0.0000104 | 8.05 | 0.00000265 | 0.0000615 | 0.000209 | 0.000507 | 0.0471 |
| 2047 Aug | 56.9 | 0.00049 | 0.0982 | 0.000524 | 12.2 | 0.0428 | 4.54 | 0.00000524 | 0.00715 | 0.000574 | 0.00525 | 0.0145 | 0.0000105 | 8.15 | 0.00000268 | 0.0000621 | 0.000212 | 0.000513 | 0.0477 |
| 2047 Sep | 57.1 | 0.000549 | 0.0988 | 0.000522 | 12.3 | 0.0427 | 4.54 | 0.00000522 | 0.00719 | 0.000576 | 0.00523 | 0.0145 | 0.0000105 | 8.17 | 0.00000267 | 0.000062 | 0.000213 | 0.000515 | 0.0481 |
| 2047 Oct | 56.9 | 0.000964 | 0.0978 | 0.000522 | 12.2 | 0.0427 | 4.53 | 0.00000522 | 0.00716 | 0.000573 | 0.00523 | 0.0144 | 0.0000105 | 8.14 | 0.00000267 | 0.0000619 | 0.000212 | 0.000513 | 0.0478 |
| 2047 Nov | 56.8 | 0.0011 | 0.0975 | 0.000522 | 12.2 | 0.0426 | 4.53 | 0.00000522 | 0.00715 | 0.000573 | 0.00523 | 0.0144 | 0.0000105 | 8.13 | 0.00000267 | 0.0000619 | 0.000212 | 0.000512 | 0.0477 |
| 2047 Dec | 56.8 | 0.00111 | 0.0975 | 0.000522 | 12.2 | 0.0426 | 4.53 | 0.00000522 | 0.00715 | 0.000573 | 0.00523 | 0.0144 | 0.0000105 | 8.13 | 0.00000267 | 0.0000619 | 0.000212 | 0.000512 | 0.0477 |
| 2048 Jan | 56.8 | 0.00112 | 0.0975 | 0.000522 | 12.2 | 0.0426 | 4.53 | 0.00000522 | 0.00715 | 0.000573 | 0.00523 | 0.0144 | 0.0000105 | 8.13 | 0.00000267 | 0.0000619 | 0.000212 | 0.000512 | 0.0477 |
| 2048 Feb | 56.8 | 0.00112 | 0.0975 | 0.000522 | 12.2 | 0.0426 | 4.53 | 0.00000522 | 0.00715 | 0.000573 | 0.00523 | 0.0144 | 0.0000105 | 8.13 | 0.00000267 | 0.0000619 | 0.000212 | 0.000512 | 0.0477 |
| 2048 Mar | 56.8 | 0.00113 | 0.0975 | 0.000522 | 12.2 | 0.0426 | 4.53 | 0.00000522 | 0.00715 | 0.000573 | 0.00523 | 0.0144 | 0.0000105 | 8.13 | 0.00000267 | 0.0000619 | 0.000212 | 0.000512 | 0.0477 |
| 2048 Apr | 56.8 | 0.00113 | 0.0975 | 0.000522 | 12.2 | 0.0427 | 4.53 | 0.00000523 | 0.00715 | 0.000573 | 0.00523 | 0.0144 | 0.0000105 | 8.14 | 0.00000267 | 0.0000619 | 0.000212 | 0.000513 | 0.0477 |
| 2048 May | 57 | 0.0011 | 0.0978 | 0.000524 | 12.2 | 0.0428 | 4.55 | 0.00000524 | 0.00717 | 0.000575 | 0.00525 | 0.0145 | 0.0000105 | 8.16 | 0.00000268 | 0.0000621 | 0.000212 | 0.000514 | 0.0479 |
| 2048 Jun | 55.8 | 0.00293 | 0.0937 | 0.000514 | 12 | 0.042 | 4.46 | 0.00000514 | 0.007 | 0.000563 | 0.00515 | 0.0142 | 0.0000103 | 7.99 | 0.00000262 | 0.0000608 | 0.000208 | 0.000503 | 0.0467 |
| 2048 Jul | 54.9 | 0.000494 | 0.0938 | 0.000511 | 11.8 | 0.0416 | 4.43 | 0.00000511 | 0.00684 | 0.000553 | 0.00512 | 0.014 | 0.0000103 | 7.87 | 0.00000261 | 0.0000602 | 0.000204 | 0.000495 | 0.0456 |
| 2048 Aug | 55.5 | 0.000382 | 0.0949 | 0.000516 | 11.9 | 0.0421 | 4.47 | 0.00000516 | 0.00692 | 0.000559 | 0.00517 | 0.0142 | 0.0000104 | 7.96 | 0.00000263 | 0.0000608 | 0.000206 | 0.0005 | 0.0461 |
| 2048 Sep | 55.9 | 0.000413 | 0.0957 | 0.000518 | 12 | 0.0423 | 4.49 | 0.00000518 | 0.00696 | 0.000563 | 0.00519 | 0.0143 | 0.0000104 | 8.01 | 0.00000264 | 0.0000611 | 0.000207 | 0.000503 | 0.0464 |
| 2048 Oct | 55.9 | 0.00237 | 0.094 | 0.000516 | 12 | 0.0421 | 4.48 | 0.00000516 | 0.00697 | 0.000563 | 0.00516 | 0.0142 | 0.0000103 | 8 | 0.00000263 | 0.0000608 | 0.000208 | 0.000503 | 0.0466 |
| 2048 Nov | 55.6 | 0.00344 | 0.0922 | 0.000515 | 11.9 | 0.0421 | 4.47 | 0.00000515 | 0.00693 | 0.00056 | 0.00516 | 0.0142 | 0.0000103 | 7.97 | 0.00000263 | 0.0000607 | 0.000207 | 0.000501 | 0.0462 |
| 2048 Dec | 55.6 | 0.00347 | 0.0919 | 0.000515 | 11.9 | 0.042 | 4.47 | 0.00000515 | 0.00692 | 0.000559 | 0.00516 | 0.0142 | 0.0000103 | 7.96 | 0.00000263 | 0.0000607 | 0.000206 | 0.0005 | 0.0461 |
| 2049 Jan | 55.5 | 0.00348 | 0.0919 | 0.000515 | 11.9 | 0.042 | 4.47 | 0.00000515 | 0.00692 | 0.000559 | 0.00516 | 0.0142 | 0.0000103 | 7.96 | 0.00000263 | 0.0000607 | 0.000206 | 0.0005 | 0.0461 |
| 2049 Feb | 55.5 | 0.00348 | 0.0919 | 0.000515 | 11.9 | 0.042 | 4.47 | 0.00000515 | 0.00692 | 0.000559 | 0.00516 | 0.0142 | 0.0000103 | 7.96 | 0.00000263 | 0.0000607 | 0.000206 | 0.0005 | 0.0461 |
| 2049 Mar | 55.5 | 0.00348 | 0.0919 | 0.000515 | 11.9 | 0.042 | 4.47 | 0.00000515 | 0.00692 | 0.000559 | 0.00516 | 0.0142 | 0.0000103 | 7.96 | 0.00000263 | 0.0000607 | 0.000206 | 0.0005 | 0.0461 |
| 2049 Apr | 55.6 | 0.00349 | 0.092 | 0.000516 | 11.9 | 0.0421 | 4.47 | 0.00000516 | 0.00692 | 0.000559 | 0.00516 | 0.0142 | 0.0000103 | 7.96 | 0.00000263 | 0.0000607 | 0.000206 | 0.0005 | 0.0461 |
| 2049 May | 55.8 | 0.00352 | 0.0923 | 0.000517 | 12 | 0.0422 | 4.49 | 0.00000517 | 0.00695 | 0.000561 | 0.00518 | 0.0142 | 0.0000104 | 7.99 | 0.00000264 | 0.0000609 | 0.000207 | 0.000502 | 0.0463 |
| 2049 Jun | 55.2 | 0.00266 | 0.0923 | 0.00051 | 11.9 | 0.0418 | 4.43 | 0.0000051 | 0.00687 | 0.000556 | 0.0051 | 0.0141 | 0.0000102 | 7.91 | 0.00000262 | 0.00006 | 0.000205 | 0.000497 | 0.0458 |
| 2049 Jul | 54.5 | 0.000519 | 0.0924 | 0.000506 | 11.7 | 0.0414 | 4.4 | 0.00000506 | 0.00674 | 0.000548 | 0.00507 | 0.0139 | 0.0000101 | 7.81 | 0.00000261 | 0.0000594 | 0.000202 | 0.00049 | 0.0449 |
| 2049 Aug | 55 | 0.00053 | 0.0934 | 0.00051 | 11.8 | 0.0418 | 4.44 | 0.0000051 | 0.0068 | 0.000553 | 0.00511 | 0.0141 | 0.0000102 | 7.89 | 0.00000263 | 0.0000599 | 0.000204 | 0.000495 | 0.0453 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 55.1 | 0.000577 | 0.0937 | 0.000509 | 11.8 | 0.0418 | 4.43 | 0.00000509 | 0.00682 | 0.000554 | 0.0051 | 0.0141 | 0.0000102 | 7.9 | 0.00000262 | 0.0000598 | 0.000205 | 0.000495 | 0.0455 |
| 2049 Oct | 54.9 | 0.00128 | 0.0925 | 0.000508 | 11.8 | 0.0417 | 4.42 | 0.00000509 | 0.00679 | 0.000552 | 0.00509 | 0.014 | 0.0000102 | 7.87 | 0.00000262 | 0.0000597 | 0.000204 | 0.000493 | 0.0453 |
| 2049 Nov | 54.7 | 0.00153 | 0.0918 | 0.000509 | 11.8 | 0.0416 | 4.42 | 0.00000509 | 0.00677 | 0.000551 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000262 | 0.0000596 | 0.000203 | 0.000492 | 0.0451 |
| 2049 Dec | 54.7 | 0.00155 | 0.0917 | 0.000509 | 11.8 | 0.0416 | 4.42 | 0.00000509 | 0.00677 | 0.00055 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000262 | 0.0000596 | 0.000203 | 0.000492 | 0.0451 |
| 2050 Jan | 54.7 | 0.00155 | 0.0917 | 0.000509 | 11.8 | 0.0416 | 4.42 | 0.00000509 | 0.00677 | 0.00055 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000262 | 0.0000596 | 0.000203 | 0.000492 | 0.0451 |
| 2050 Feb | 54.7 | 0.00156 | 0.0917 | 0.000509 | 11.8 | 0.0416 | 4.42 | 0.00000509 | 0.00677 | 0.00055 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000262 | 0.0000596 | 0.000203 | 0.000492 | 0.0451 |
| 2050 Mar | 54.7 | 0.00156 | 0.0917 | 0.000509 | 11.8 | 0.0416 | 4.42 | 0.00000509 | 0.00677 | 0.00055 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000262 | 0.0000596 | 0.000203 | 0.000492 | 0.0451 |
| 2050 Apr | 54.8 | 0.00156 | 0.0918 | 0.000509 | 11.8 | 0.0417 | 4.42 | 0.00000509 | 0.00677 | 0.000551 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000262 | 0.0000597 | 0.000203 | 0.000492 | 0.0451 |
| 2050 May | 54.9 | 0.00158 | 0.092 | 0.00051 | 11.8 | 0.0418 | 4.44 | 0.0000051 | 0.00679 | 0.000552 | 0.00511 | 0.014 | 0.0000102 | 7.87 | 0.00000263 | 0.0000598 | 0.000204 | 0.000494 | 0.0452 |
| 2050 Jun | 55.1 | 0.00142 | 0.093 | 0.000507 | 11.9 | 0.0417 | 4.42 | 0.00000507 | 0.00682 | 0.000554 | 0.00508 | 0.0141 | 0.0000102 | 7.89 | 0.00000262 | 0.0000596 | 0.000205 | 0.000495 | 0.0456 |
| 2050 Jul | 55 | 0.000473 | 0.0935 | 0.000507 | 11.8 | 0.0417 | 4.42 | 0.00000507 | 0.00679 | 0.000552 | 0.00507 | 0.014 | 0.0000102 | 7.88 | 0.00000262 | 0.0000595 | 0.000205 | 0.000493 | 0.0454 |
| 2050 Aug | 55.4 | 0.000351 | 0.0943 | 0.000511 | 11.9 | 0.042 | 4.46 | 0.00000511 | 0.00685 | 0.000557 | 0.00512 | 0.0142 | 0.0000102 | 7.94 | 0.00000264 | 0.00006 | 0.000206 | 0.000498 | 0.0457 |
| 2050 Sep | 55.7 | 0.000475 | 0.095 | 0.000512 | 12 | 0.0421 | 4.46 | 0.00000512 | 0.00689 | 0.00056 | 0.00512 | 0.0142 | 0.0000102 | 7.98 | 0.00000264 | 0.0000601 | 0.000208 | 0.0005 | 0.0461 |
| 2050 Oct | 55.7 | 0.00055 | 0.0948 | 0.000513 | 12 | 0.0422 | 4.47 | 0.00000513 | 0.00689 | 0.00056 | 0.00513 | 0.0142 | 0.0000103 | 7.98 | 0.00000265 | 0.0000601 | 0.000207 | 0.0005 | 0.046 |
| 2050 Nov | 55.7 | 0.000571 | 0.0948 | 0.000513 | 12 | 0.0422 | 4.47 | 0.00000513 | 0.00689 | 0.00056 | 0.00513 | 0.0142 | 0.0000103 | 7.99 | 0.00000265 | 0.0000602 | 0.000207 | 0.0005 | 0.046 |
| 2050 Dec | 55.7 | 0.000579 | 0.0948 | 0.000513 | 12 | 0.0422 | 4.47 | 0.00000513 | 0.00689 | 0.00056 | 0.00513 | 0.0142 | 0.0000103 | 7.99 | 0.00000265 | 0.0000602 | 0.000207 | 0.0005 | 0.046 |
| 2051 Jan | 55.7 | 0.000583 | 0.0947 | 0.000513 | 12 | 0.0422 | 4.47 | 0.00000513 | 0.00689 | 0.00056 | 0.00513 | 0.0142 | 0.0000103 | 7.99 | 0.00000265 | 0.0000602 | 0.000207 | 0.0005 | 0.046 |
| 2051 Feb | 55.7 | 0.000585 | 0.0947 | 0.000513 | 12 | 0.0422 | 4.47 | 0.00000513 | 0.00689 | 0.00056 | 0.00513 | 0.0142 | 0.0000103 | 7.99 | 0.00000265 | 0.0000602 | 0.000207 | 0.0005 | 0.046 |
| 2051 Mar | 55.7 | 0.000587 | 0.0948 | 0.000513 | 12 | 0.0422 | 4.47 | 0.00000513 | 0.00689 | 0.00056 | 0.00513 | 0.0142 | 0.0000103 | 7.99 | 0.00000265 | 0.0000602 | 0.000208 | 0.0005 | 0.046 |
| 2051 Apr | 55.8 | 0.000588 | 0.0948 | 0.000513 | 12 | 0.0422 | 4.48 | 0.00000513 | 0.00689 | 0.00056 | 0.00514 | 0.0142 | 0.0000103 | 7.99 | 0.00000265 | 0.0000602 | 0.000208 | 0.0005 | 0.0461 |
| 2051 May | 56 | 0.00101 | 0.095 | 0.000515 | 12.1 | 0.0424 | 4.49 | 0.00000515 | 0.00693 | 0.000563 | 0.00515 | 0.0143 | 0.0000103 | 8.03 | 0.00000266 | 0.0000604 | 0.000209 | 0.000503 | 0.0463 |
| 2051 Jun | 55.1 | 0.00271 | 0.0917 | 0.000506 | 11.9 | 0.0416 | 4.41 | 0.00000506 | 0.00681 | 0.000554 | 0.00506 | 0.0141 | 0.0000101 | 7.89 | 0.0000026 | 0.0000593 | 0.000205 | 0.000494 | 0.0456 |
| 2051 Jul | 55 | 0.000618 | 0.0932 | 0.000508 | 11.8 | 0.0418 | 4.43 | 0.00000508 | 0.00678 | 0.000552 | 0.00508 | 0.0141 | 0.0000102 | 7.88 | 0.00000261 | 0.0000595 | 0.000204 | 0.000493 | 0.0453 |
| 2051 Aug | 55.6 | 0.000533 | 0.0947 | 0.00051 | 12 | 0.0421 | 4.45 | 0.0000051 | 0.00687 | 0.000559 | 0.00511 | 0.0142 | 0.0000102 | 7.97 | 0.00000263 | 0.0000598 | 0.000207 | 0.000499 | 0.046 |
| 2051 Sep | 55.7 | 0.000624 | 0.0948 | 0.000511 | 12 | 0.0421 | 4.46 | 0.00000511 | 0.00688 | 0.00056 | 0.00511 | 0.0142 | 0.0000102 | 7.98 | 0.00000263 | 0.0000599 | 0.000208 | 0.0005 | 0.0461 |
| 2051 Oct | 55.6 | 0.00199 | 0.0933 | 0.00051 | 12 | 0.042 | 4.45 | 0.0000051 | 0.00687 | 0.000559 | 0.0051 | 0.0142 | 0.0000102 | 7.96 | 0.00000262 | 0.0000598 | 0.000207 | 0.000498 | 0.046 |
| 2051 Nov | 55.3 | 0.00268 | 0.0918 | 0.00051 | 11.9 | 0.0419 | 4.44 | 0.0000051 | 0.00683 | 0.000556 | 0.0051 | 0.0141 | 0.0000102 | 7.92 | 0.00000262 | 0.0000597 | 0.000206 | 0.000496 | 0.0456 |
| 2051 Dec | 55.2 | 0.0027 | 0.0916 | 0.00051 | 11.9 | 0.0419 | 4.44 | 0.0000051 | 0.00682 | 0.000555 | 0.0051 | 0.0141 | 0.0000102 | 7.92 | 0.00000262 | 0.0000597 | 0.000206 | 0.000496 | 0.0456 |
| 2052 Jan | 55.2 | 0.00271 | 0.0916 | 0.00051 | 11.9 | 0.0419 | 4.44 | 0.0000051 | 0.00682 | 0.000555 | 0.0051 | 0.0141 | 0.0000102 | 7.92 | 0.00000262 | 0.0000597 | 0.000206 | 0.000496 | 0.0456 |
| 2052 Feb | 55.2 | 0.00271 | 0.0916 | 0.00051 | 11.9 | 0.0419 | 4.44 | 0.0000051 | 0.00682 | 0.000555 | 0.0051 | 0.0141 | 0.0000102 | 7.92 | 0.00000262 | 0.0000597 | 0.000206 | 0.000496 | 0.0456 |
| 2052 Mar | 55.3 | 0.00272 | 0.0916 | 0.00051 | 11.9 | 0.0419 | 4.44 | 0.0000051 | 0.00682 | 0.000555 | 0.0051 | 0.0141 | 0.0000102 | 7.92 | 0.00000262 | 0.0000597 | 0.000206 | 0.000496 | 0.0456 |
| 2052 Apr | 55.3 | 0.00272 | 0.0917 | 0.00051 | 11.9 | 0.0419 | 4.44 | 0.0000051 | 0.00682 | 0.000555 | 0.0051 | 0.0141 | 0.0000102 | 7.92 | 0.00000262 | 0.0000597 | 0.000206 | 0.000496 | 0.0456 |
| 2052 May | 55.5 | 0.00319 | 0.0918 | 0.000511 | 12 | 0.0421 | 4.45 | 0.00000511 | 0.00686 | 0.000558 | 0.00511 | 0.0142 | 0.0000102 | 7.96 | 0.00000263 | 0.0000599 | 0.000207 | 0.000498 | 0.0459 |
| 2052 Jun | 55.6 | 0.00166 | 0.0938 | 0.000508 | 12 | 0.0419 | 4.43 | 0.00000508 | 0.00689 | 0.000558 | 0.00508 | 0.0142 | 0.0000102 | 7.96 | 0.00000262 | 0.0000596 | 0.000207 | 0.000499 | 0.0461 |
| 2052 Jul | 55.9 | 0.000542 | 0.0953 | 0.000514 | 12 | 0.0423 | 4.48 | 0.00000514 | 0.00693 | 0.000562 | 0.00514 | 0.0143 | 0.0000103 | 8.01 | 0.00000265 | 0.0000602 | 0.000208 | 0.000502 | 0.0463 |
| 2052 Aug | 56.6 | 0.000588 | 0.0966 | 0.000517 | 12.2 | 0.0426 | 4.51 | 0.00000517 | 0.00701 | 0.000568 | 0.00517 | 0.0144 | 0.0000103 | 8.1 | 0.00000266 | 0.0000606 | 0.000211 | 0.000508 | 0.047 |
| 2052 Sep | 56.8 | 0.000484 | 0.0973 | 0.000518 | 12.2 | 0.0427 | 4.52 | 0.00000518 | 0.00705 | 0.000571 | 0.00518 | 0.0145 | 0.0000104 | 8.13 | 0.00000267 | 0.0000608 | 0.000212 | 0.00051 | 0.0473 |
| 2052 Oct | 56.8 | 0.000745 | 0.0969 | 0.000518 | 12.2 | 0.0427 | 4.52 | 0.00000518 | 0.00704 | 0.00057 | 0.00518 | 0.0144 | 0.0000104 | 8.12 | 0.00000267 | 0.0000608 | 0.000212 | 0.000509 | 0.0472 |
| 2052 Nov | 56.7 | 0.000792 | 0.0968 | 0.000518 | 12.2 | 0.0427 | 4.52 | 0.00000518 | 0.00704 | 0.00057 | 0.00518 | 0.0144 | 0.0000104 | 8.12 | 0.00000267 | 0.0000608 | 0.000212 | 0.000509 | 0.0472 |
| 2052 Dec | 56.7 | 0.000803 | 0.0968 | 0.000518 | 12.2 | 0.0427 | 4.52 | 0.00000518 | 0.00704 | 0.00057 | 0.00518 | 0.0144 | 0.0000104 | 8.12 | 0.00000267 | 0.0000608 | 0.000212 | 0.000509 | 0.0472 |
| 2053 Jan | 56.7 | 0.000809 | 0.0968 | 0.000518 | 12.2 | 0.0427 | 4.52 | 0.00000518 | 0.00704 | 0.00057 | 0.00518 | 0.0144 | 0.0000104 | 8.12 | 0.00000267 | 0.0000608 | 0.000212 | 0.000509 | 0.0472 |
| 2053 Feb | 56.7 | 0.000812 | 0.0968 | 0.000518 | 12.2 | 0.0427 | 4.52 | 0.00000518 | 0.00704 | 0.00057 | 0.00518 | 0.0144 | 0.0000104 | 8.12 | 0.00000267 | 0.0000608 | 0.000212 | 0.000509 | 0.0472 |
| 2053 Mar | 56.8 | 0.000814 | 0.0968 | 0.000518 | 12.2 | 0.0427 | 4.52 | 0.00000518 | 0.00704 | 0.00057 | 0.00518 | 0.0144 | 0.0000104 | 8.12 | 0.00000267 | 0.0000608 | 0.000212 | 0.000509 | 0.0472 |
| 2053 Apr | 56.8 | 0.000815 | 0.0969 | 0.000518 | 12.2 | 0.0428 | 4.52 | 0.00000518 | 0.00705 | 0.000571 | 0.00519 | 0.0145 | 0.0000104 | 8.13 | 0.00000267 | 0.0000608 | 0.000212 | 0.00051 | 0.0472 |
| 2053 May | 57.2 | 0.00252 | 0.0962 | 0.000519 | 12.3 | 0.0429 | 4.54 | 0.00000519 | 0.00711 | 0.000575 | 0.0052 | 0.0145 | 0.0000104 | 8.19 | 0.00000268 | 0.000061 | 0.000214 | 0.000513 | 0.0477 |
| 2053 Jun | 55.9 | 0.00282 | 0.0932 | 0.000511 | 12 | 0.0421 | 4.45 | 0.00000511 | 0.00694 | 0.000561 | 0.00511 | 0.0142 | 0.0000102 | 8 | 0.00000263 | 0.0000599 | 0.000208 | 0.000502 | 0.0464 |
| 2053 Jul | 56.1 | 0.000376 | 0.0955 | 0.000516 | 12 | 0.0424 | 4.49 | 0.00000516 | 0.00694 | 0.000563 | 0.00516 | 0.0143 | 0.0000103 | 8.03 | 0.00000266 | 0.0000604 | 0.000208 | 0.000503 | 0.0464 |
| 2053 Aug | 56.8 | 0.000664 | 0.0969 | 0.00052 | 12.2 | 0.0429 | 4.54 | 0.00000521 | 0.00705 | 0.000571 | 0.00521 | 0.0145 | 0.0000104 | 8.14 | 0.00000268 | 0.000061 | 0.000212 | 0.00051 | 0.0472 |
| 2053 Sep | 57.2 | 0.000413 | 0.0979 | 0.000522 | 12.3 | 0.043 | 4.55 | 0.00000522 | 0.00709 | 0.000574 | 0.00522 | 0.0145 | 0.0000105 | 8.18 | 0.00000269 | 0.0000612 | 0.000213 | 0.000513 | 0.0475 |
| 2053 Oct | 57.2 | 0.000999 | 0.0975 | 0.000522 | 12.3 | 0.0431 | 4.56 | 0.00000522 | 0.00711 | 0.000575 | 0.00523 | 0.0146 | 0.0000105 | 8.19 | 0.00000269 | 0.0000613 | 0.000213 | 0.000514 | 0.0476 |
| 2053 Nov | 57.3 | 0.00128 | 0.0972 | 0.000522 | 12.3 | 0.0431 | 4.56 | 0.00000522 | 0.00711 | 0.000575 | 0.00523 | 0.0146 | 0.0000105 | 8.19 | 0.00000269 | 0.0000613 | 0.000213 | 0.000514 | 0.0476 |
| 2053 Dec | 57.2 | 0.0013 | 0.0972 | 0.000522 | 12.3 | 0.0431 | 4.56 | 0.00000522 | 0.0071 | 0.000575 | 0.00523 | 0.0146 | 0.0000105 | 8.19 | 0.00000269 | 0.0000613 | 0.000213 | 0.000514 | 0.0476 |
| 2054 Jan | 57.2 | 0.00131 | 0.0972 | 0.000522 | 12.3 | 0.0431 | 4.56 | 0.00000522 | 0.0071 | 0.000575 | 0.00523 | 0.0146 | 0.0000105 | 8.19 | 0.00000269 | 0.0000613 | 0.000213 | 0.000514 | 0.0476 |
| 2054 Feb | 57.2 | 0.00132 | 0.0971 | 0.000522 | 12.3 | 0.0431 | 4.56 | 0.00000522 | 0.0071 | 0.000575 | 0.00523 | 0.0146 | 0.0000105 | 8.19 | 0.00000269 | 0.0000613 | 0.000213 | 0.000514 | 0.0476 |
| 2054 Mar | 57.2 | 0.00132 | 0.0971 | 0.000522 | 12.3 | 0.0431 | 4.56 | 0.00000522 | 0.0071 | 0.000575 | 0.00523 | 0.0146 | 0.0000105 | 8.19 | 0.00000269 | 0.0000613 | 0.000213 | 0.000514 | 0.0476 |
| 2054 Apr | 57.3 | 0.00132 | 0.0972 | 0.000523 | 12.3 | 0.0431 | 4.56 | 0.00000523 | 0.00711 | 0.000575 | 0.00523 | 0.0146 | 0.0000105 | 8.19 | 0.00000269 | 0.0000613 | 0.000213 | 0.000514 | 0.0476 |
| 2054 May | 57.5 | 0.00173 | 0.0974 | 0.000524 | 12.4 | 0.0433 | 4.57 | 0.00000524 | 0.00715 | 0.000578 | 0.00524 | 0.0146 | 0.0000105 | 8.23 | 0.0000027 | 0.0000615 | 0.000215 | 0.000516 | 0.0479 |
| 2054 Jun | 56.5 | 0.0023 | 0.0949 | 0.000516 | 12.1 | 0.0425 | 4.49 | 0.00000516 | 0.00701 | 0.000567 | 0.00516 | 0.0144 | 0.0000103 | 8.08 | 0.00000265 | 0.0000604 | 0.00021 | 0.000507 | 0.047 |
| 2054 Jul | 55.9 | 0.000506 | 0.0953 | 0.000513 | 12 | 0.0422 | 4.47 | 0.00000513 | 0.00693 | 0.000561 | 0.00513 | 0.0142 | 0.0000103 | 8 | 0.00000264 | 0.0000601 | 0.000208 | 0.000502 | 0.0463 |
| 2054 Aug | 55.7 | 0.000715 | 0.0947 | 0.000511 | 11.9 | 0.042 | 4.45 | 0.00000511 | 0.0069 | 0.000559 | 0.00512 | 0.0142 | 0.0000102 | 7.96 | 0.00000262 | 0.0000598 | 0.000207 | 0.0005 | 0.0461 |
| 2054 Sep | 55.2 | 0.000461 | 0.094 | 0.00051 | 11.9 | 0.0418 | 4.43 | 0.0000051 | 0.00686 | 0.000554 | 0.0051 | 0.0141 | 0.0000102 | 7.91 | 0.00000262 | 0.0000596 | 0.000205 | 0.000497 | 0.0457 |
| 2054 Oct | 54.8 | 0.00254 | 0.0911 | 0.000507 | 11.8 | 0.0415 | 4.39 | 0.00000507 | 0.00682 | 0.00055 | 0.00507 | 0.014 | 0.0000101 | 7.84 | 0.0000026 | 0.0000592 | 0.000204 | 0.000493 | 0.0454 |
| 2054 Nov | 54.3 | 0.00372 | 0.0888 | 0.000506 | 11.7 | 0.0413 | 4.37 | 0.00000506 | 0.00677 | 0.000546 | 0.00506 | 0.0139 | 0.0000101 | 7.78 | 0.0000026 | 0.000059 | 0.000202 | 0.00049 | 0.0449 |
| 2054 Dec | 54.2 | 0.00375 | 0.0885 | 0.000506 | 11.6 | 0.0413 | 4.37 | 0.00000506 | 0.00676 | 0.000545 | 0.00506 | 0.0139 | 0.0000101 | 7.77 | 0.0000026 | 0.000059 | 0.000201 | 0.000489 | 0.0448 |
| 2055 Jan | 54.2 | 0.00375 | 0.0885 | 0.000506 | 11.6 | 0.0413 | 4.37 | 0.00000506 | 0.00676 | 0.000545 | 0.00506 | 0.0139 | 0.0000101 | 7.77 | 0.0000026 | 0.000059 | 0.000201 | 0.000489 | 0.0448 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 54.2 | 0.00376 | 0.0885 | 0.000506 | 11.6 | 0.0413 | 4.37 | 0.00000506 | 0.00676 | 0.000545 | 0.00506 | 0.0139 | 0.0000101 | 7.77 | 0.0000026 | 0.000059 | 0.000201 | 0.000489 | 0.0448 |
| 2055 Mar | 54.2 | 0.00376 | 0.0885 | 0.000506 | 11.6 | 0.0413 | 4.37 | 0.00000506 | 0.00676 | 0.000545 | 0.00506 | 0.0139 | 0.0000101 | 7.77 | 0.0000026 | 0.000059 | 0.000201 | 0.000489 | 0.0448 |
| 2055 Apr | 54.3 | 0.00376 | 0.0885 | 0.000506 | 11.6 | 0.0413 | 4.37 | 0.00000506 | 0.00676 | 0.000545 | 0.00507 | 0.0139 | 0.0000101 | 7.77 | 0.00000261 | 0.000059 | 0.000201 | 0.000489 | 0.0448 |
| 2055 May | 54.4 | 0.00377 | 0.0887 | 0.000508 | 11.7 | 0.0414 | 4.38 | 0.00000508 | 0.00678 | 0.000546 | 0.00508 | 0.0139 | 0.0000102 | 7.79 | 0.00000261 | 0.0000592 | 0.000202 | 0.00049 | 0.0449 |
| 2055 Jun | 54.4 | 0.00197 | 0.091 | 0.000504 | 11.7 | 0.0412 | 4.35 | 0.00000504 | 0.00681 | 0.000547 | 0.00504 | 0.0139 | 0.0000101 | 7.79 | 0.0000026 | 0.0000588 | 0.000202 | 0.000491 | 0.0452 |
| 2055 Jul | 54.4 | 0.000615 | 0.0923 | 0.000505 | 11.7 | 0.0413 | 4.36 | 0.00000505 | 0.00682 | 0.000547 | 0.00505 | 0.0139 | 0.0000101 | 7.8 | 0.00000262 | 0.000059 | 0.000203 | 0.000491 | 0.0452 |
| 2055 Aug | 54.9 | 0.000538 | 0.0933 | 0.000507 | 11.8 | 0.0415 | 4.39 | 0.00000507 | 0.00688 | 0.000551 | 0.00507 | 0.014 | 0.0000101 | 7.86 | 0.00000263 | 0.0000593 | 0.000204 | 0.000495 | 0.0456 |
| 2055 Sep | 54.8 | 0.000463 | 0.0933 | 0.000506 | 11.8 | 0.0414 | 4.37 | 0.00000506 | 0.00688 | 0.000551 | 0.00506 | 0.0139 | 0.0000101 | 7.84 | 0.00000262 | 0.0000591 | 0.000204 | 0.000494 | 0.0456 |
| 2055 Oct | 54.4 | 0.000612 | 0.0923 | 0.000505 | 11.7 | 0.0413 | 4.36 | 0.00000505 | 0.00684 | 0.000547 | 0.00505 | 0.0139 | 0.0000101 | 7.8 | 0.00000262 | 0.000059 | 0.000203 | 0.000492 | 0.0452 |
| 2055 Nov | 54.4 | 0.000843 | 0.0918 | 0.000505 | 11.7 | 0.0412 | 4.36 | 0.00000505 | 0.00683 | 0.000547 | 0.00505 | 0.0139 | 0.0000101 | 7.79 | 0.00000262 | 0.000059 | 0.000202 | 0.000491 | 0.0451 |
| 2055 Dec | 54.3 | 0.000948 | 0.0917 | 0.000505 | 11.7 | 0.0412 | 4.36 | 0.00000505 | 0.00682 | 0.000546 | 0.00505 | 0.0139 | 0.0000101 | 7.79 | 0.00000262 | 0.0000589 | 0.000202 | 0.000491 | 0.0451 |
| 2056 Jan | 54.3 | 0.000964 | 0.0916 | 0.000505 | 11.7 | 0.0412 | 4.36 | 0.00000505 | 0.00682 | 0.000546 | 0.00505 | 0.0139 | 0.0000101 | 7.78 | 0.00000262 | 0.0000589 | 0.000202 | 0.000491 | 0.0451 |
| 2056 Feb | 54.3 | 0.000971 | 0.0916 | 0.000505 | 11.7 | 0.0412 | 4.36 | 0.00000505 | 0.00682 | 0.000546 | 0.00505 | 0.0139 | 0.0000101 | 7.78 | 0.00000262 | 0.0000589 | 0.000202 | 0.000491 | 0.0451 |
| 2056 Mar | 54.3 | 0.000975 | 0.0916 | 0.000505 | 11.7 | 0.0412 | 4.36 | 0.00000505 | 0.00682 | 0.000546 | 0.00505 | 0.0139 | 0.0000101 | 7.78 | 0.00000262 | 0.0000589 | 0.000202 | 0.000491 | 0.0451 |
| 2056 Apr | 54.3 | 0.000978 | 0.0917 | 0.000505 | 11.7 | 0.0412 | 4.36 | 0.00000505 | 0.00682 | 0.000546 | 0.00506 | 0.0139 | 0.0000101 | 7.79 | 0.00000262 | 0.000059 | 0.000202 | 0.000491 | 0.0451 |
| 2056 May | 54.7 | 0.00306 | 0.0905 | 0.000506 | 11.8 | 0.0414 | 4.37 | 0.00000506 | 0.00688 | 0.00055 | 0.00507 | 0.0139 | 0.0000101 | 7.84 | 0.00000263 | 0.0000592 | 0.000204 | 0.000494 | 0.0455 |
| 2056 Jun | 53.7 | 0.00308 | 0.0887 | 0.000499 | 11.5 | 0.0406 | 4.3 | 0.00000499 | 0.00678 | 0.00054 | 0.00499 | 0.0137 | 0.00000999 | 7.69 | 0.00000259 | 0.0000583 | 0.0002 | 0.000486 | 0.0448 |
| 2056 Jul | 54 | 0.00058 | 0.0917 | 0.000504 | 11.6 | 0.0409 | 4.33 | 0.00000504 | 0.00682 | 0.000543 | 0.00504 | 0.0138 | 0.0000101 | 7.74 | 0.00000261 | 0.0000588 | 0.000201 | 0.000489 | 0.045 |
| 2056 Aug | 54.7 | 0.000643 | 0.0929 | 0.000509 | 11.7 | 0.0414 | 4.38 | 0.00000509 | 0.00691 | 0.00055 | 0.00509 | 0.0139 | 0.0000102 | 7.83 | 0.00000264 | 0.0000594 | 0.000204 | 0.000495 | 0.0456 |
| 2056 Sep | 55.2 | 0.000537 | 0.0941 | 0.000511 | 11.8 | 0.0416 | 4.4 | 0.00000511 | 0.00697 | 0.000555 | 0.00511 | 0.014 | 0.0000102 | 7.9 | 0.00000264 | 0.0000597 | 0.000206 | 0.000499 | 0.0461 |
| 2056 Oct | 55.2 | 0.00203 | 0.0929 | 0.000509 | 11.8 | 0.0415 | 4.39 | 0.00000509 | 0.00698 | 0.000555 | 0.00509 | 0.014 | 0.0000102 | 7.89 | 0.00000263 | 0.0000595 | 0.000206 | 0.000499 | 0.0463 |
| 2056 Nov | 54.9 | 0.00246 | 0.0918 | 0.000509 | 11.8 | 0.0414 | 4.38 | 0.00000509 | 0.00695 | 0.000552 | 0.00509 | 0.014 | 0.0000102 | 7.86 | 0.00000263 | 0.0000594 | 0.000205 | 0.000497 | 0.0459 |
| 2056 Dec | 54.9 | 0.00248 | 0.0917 | 0.000509 | 11.8 | 0.0414 | 4.38 | 0.00000509 | 0.00694 | 0.000552 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000263 | 0.0000594 | 0.000205 | 0.000497 | 0.0459 |
| 2057 Jan | 54.9 | 0.00248 | 0.0917 | 0.000509 | 11.8 | 0.0414 | 4.38 | 0.00000509 | 0.00694 | 0.000552 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000263 | 0.0000594 | 0.000205 | 0.000497 | 0.0459 |
| 2057 Feb | 54.9 | 0.00249 | 0.0917 | 0.000509 | 11.8 | 0.0414 | 4.38 | 0.00000509 | 0.00694 | 0.000552 | 0.00509 | 0.014 | 0.0000102 | 7.85 | 0.00000263 | 0.0000594 | 0.000205 | 0.000497 | 0.0459 |
| 2057 Mar | 54.9 | 0.00249 | 0.0917 | 0.000509 | 11.8 | 0.0414 | 4.38 | 0.00000509 | 0.00694 | 0.000552 | 0.00509 | 0.014 | 0.0000102 | 7.86 | 0.00000263 | 0.0000594 | 0.000205 | 0.000497 | 0.0459 |
| 2057 Apr | 54.9 | 0.00249 | 0.0917 | 0.000509 | 11.8 | 0.0414 | 4.38 | 0.00000509 | 0.00695 | 0.000552 | 0.00509 | 0.014 | 0.0000102 | 7.86 | 0.00000263 | 0.0000595 | 0.000205 | 0.000497 | 0.0459 |
| 2057 May | 55.3 | 0.00457 | 0.0907 | 0.00051 | 11.9 | 0.0416 | 4.4 | 0.0000051 | 0.00701 | 0.000556 | 0.0051 | 0.014 | 0.0000102 | 7.91 | 0.00000264 | 0.0000597 | 0.000206 | 0.000501 | 0.0464 |
| 2057 Jun | 54.8 | 0.00268 | 0.0917 | 0.000506 | 11.7 | 0.0412 | 4.36 | 0.00000506 | 0.00695 | 0.000551 | 0.00506 | 0.0139 | 0.0000101 | 7.83 | 0.00000262 | 0.0000592 | 0.000204 | 0.000497 | 0.046 |
| 2057 Jul | 55.2 | 0.00058 | 0.0945 | 0.00051 | 11.8 | 0.0415 | 4.39 | 0.0000051 | 0.00701 | 0.000555 | 0.0051 | 0.014 | 0.0000102 | 7.89 | 0.00000265 | 0.0000597 | 0.000206 | 0.000501 | 0.0463 |
| 2057 Aug | 56 | 0.000462 | 0.096 | 0.000516 | 12 | 0.042 | 4.44 | 0.00000516 | 0.00711 | 0.000562 | 0.00516 | 0.0142 | 0.0000103 | 8 | 0.00000267 | 0.0000604 | 0.000209 | 0.000507 | 0.047 |
| 2057 Sep | 56.1 | 0.000566 | 0.0966 | 0.000515 | 12 | 0.042 | 4.44 | 0.00000515 | 0.00714 | 0.000564 | 0.00515 | 0.0142 | 0.0000103 | 8.02 | 0.00000267 | 0.0000603 | 0.00021 | 0.000509 | 0.0473 |
| 2057 Oct | 55.7 | 0.00157 | 0.0947 | 0.000513 | 11.9 | 0.0418 | 4.42 | 0.00000513 | 0.00709 | 0.00056 | 0.00513 | 0.0141 | 0.0000103 | 7.96 | 0.00000266 | 0.0000601 | 0.000208 | 0.000505 | 0.0469 |
| 2057 Nov | 55.5 | 0.00175 | 0.094 | 0.000513 | 11.9 | 0.0417 | 4.41 | 0.00000513 | 0.00706 | 0.000558 | 0.00513 | 0.0141 | 0.0000103 | 7.94 | 0.00000266 | 0.00006 | 0.000207 | 0.000504 | 0.0467 |
| 2057 Dec | 55.5 | 0.00176 | 0.0939 | 0.000513 | 11.9 | 0.0417 | 4.41 | 0.00000513 | 0.00706 | 0.000558 | 0.00513 | 0.0141 | 0.0000103 | 7.93 | 0.00000266 | 0.00006 | 0.000207 | 0.000504 | 0.0466 |
| 2058 Jan | 55.5 | 0.00177 | 0.0939 | 0.000513 | 11.9 | 0.0417 | 4.41 | 0.00000513 | 0.00706 | 0.000558 | 0.00513 | 0.0141 | 0.0000103 | 7.93 | 0.00000266 | 0.00006 | 0.000207 | 0.000504 | 0.0466 |
| 2058 Feb | 55.5 | 0.00177 | 0.0939 | 0.000513 | 11.9 | 0.0417 | 4.41 | 0.00000513 | 0.00706 | 0.000558 | 0.00513 | 0.0141 | 0.0000103 | 7.93 | 0.00000266 | 0.00006 | 0.000207 | 0.000504 | 0.0466 |
| 2058 Mar | 55.5 | 0.00177 | 0.0939 | 0.000513 | 11.9 | 0.0417 | 4.41 | 0.00000513 | 0.00706 | 0.000558 | 0.00513 | 0.0141 | 0.0000103 | 7.93 | 0.00000266 | 0.00006 | 0.000207 | 0.000504 | 0.0466 |
| 2058 Apr | 55.5 | 0.00177 | 0.0939 | 0.000513 | 11.9 | 0.0417 | 4.41 | 0.00000513 | 0.00706 | 0.000558 | 0.00513 | 0.0141 | 0.0000103 | 7.94 | 0.00000266 | 0.00006 | 0.000207 | 0.000504 | 0.0466 |
| 2058 May | 55.8 | 0.00355 | 0.0929 | 0.000514 | 11.9 | 0.0419 | 4.43 | 0.00000514 | 0.00711 | 0.000561 | 0.00514 | 0.0141 | 0.0000103 | 7.98 | 0.00000267 | 0.0000602 | 0.000208 | 0.000506 | 0.047 |
| 2058 Jun | 54.6 | 0.00347 | 0.0906 | 0.000506 | 11.6 | 0.041 | 4.34 | 0.00000506 | 0.00696 | 0.000548 | 0.00506 | 0.0138 | 0.0000101 | 7.79 | 0.00000263 | 0.0000592 | 0.000203 | 0.000496 | 0.0459 |
| 2058 Jul | 54.8 | 0.000523 | 0.0937 | 0.000512 | 11.7 | 0.0413 | 4.38 | 0.00000512 | 0.00699 | 0.000551 | 0.00512 | 0.0139 | 0.0000102 | 7.83 | 0.00000265 | 0.0000597 | 0.000204 | 0.000499 | 0.0459 |
| 2058 Aug | 55.6 | 0.000414 | 0.0952 | 0.000517 | 11.8 | 0.0418 | 4.43 | 0.00000517 | 0.00708 | 0.000558 | 0.00517 | 0.0141 | 0.0000103 | 7.94 | 0.00000268 | 0.0000604 | 0.000207 | 0.000505 | 0.0466 |
| 2058 Sep | 55.8 | 0.000622 | 0.0961 | 0.000514 | 11.9 | 0.0418 | 4.42 | 0.00000514 | 0.00713 | 0.000561 | 0.00514 | 0.0141 | 0.0000103 | 7.97 | 0.00000266 | 0.0000602 | 0.000208 | 0.000507 | 0.0471 |
| 2058 Oct | 55.4 | 0.00135 | 0.0943 | 0.000512 | 11.8 | 0.0415 | 4.4 | 0.00000512 | 0.00707 | 0.000556 | 0.00512 | 0.014 | 0.0000102 | 7.9 | 0.00000265 | 0.0000599 | 0.000206 | 0.000503 | 0.0467 |
| 2058 Nov | 55.1 | 0.00175 | 0.0932 | 0.000512 | 11.7 | 0.0414 | 4.39 | 0.00000512 | 0.00703 | 0.000553 | 0.00512 | 0.014 | 0.0000102 | 7.87 | 0.00000265 | 0.0000598 | 0.000205 | 0.000501 | 0.0463 |
| 2058 Dec | 55.1 | 0.00177 | 0.0931 | 0.000512 | 11.7 | 0.0414 | 4.39 | 0.00000512 | 0.00703 | 0.000553 | 0.00512 | 0.014 | 0.0000102 | 7.86 | 0.00000265 | 0.0000598 | 0.000205 | 0.000501 | 0.0463 |
| 2059 Jan | 55.1 | 0.00178 | 0.0931 | 0.000512 | 11.7 | 0.0414 | 4.39 | 0.00000512 | 0.00703 | 0.000553 | 0.00512 | 0.014 | 0.0000102 | 7.86 | 0.00000265 | 0.0000598 | 0.000205 | 0.000501 | 0.0463 |
| 2059 Feb | 55.1 | 0.00178 | 0.0931 | 0.000512 | 11.7 | 0.0414 | 4.39 | 0.00000512 | 0.00703 | 0.000553 | 0.00512 | 0.014 | 0.0000102 | 7.86 | 0.00000265 | 0.0000598 | 0.000205 | 0.000501 | 0.0463 |
| 2059 Mar | 55.1 | 0.00178 | 0.0931 | 0.000512 | 11.7 | 0.0414 | 4.39 | 0.00000512 | 0.00703 | 0.000553 | 0.00512 | 0.014 | 0.0000102 | 7.86 | 0.00000265 | 0.0000598 | 0.000205 | 0.000501 | 0.0463 |
| 2059 Apr | 55.1 | 0.00178 | 0.0931 | 0.000512 | 11.7 | 0.0414 | 4.39 | 0.00000512 | 0.00703 | 0.000553 | 0.00513 | 0.014 | 0.0000103 | 7.87 | 0.00000266 | 0.0000599 | 0.000205 | 0.000501 | 0.0463 |
| 2059 May | 55.4 | 0.00323 | 0.0925 | 0.000514 | 11.8 | 0.0416 | 4.4 | 0.00000514 | 0.00708 | 0.000557 | 0.00514 | 0.014 | 0.0000103 | 7.91 | 0.00000266 | 0.0000601 | 0.000206 | 0.000504 | 0.0467 |
| 2059 Jun | 55.1 | 0.00211 | 0.0932 | 0.00051 | 11.7 | 0.0413 | 4.38 | 0.0000051 | 0.00705 | 0.000553 | 0.00511 | 0.0139 | 0.0000102 | 7.86 | 0.00000264 | 0.0000597 | 0.000205 | 0.000502 | 0.0465 |
| 2059 Jul | 55.7 | 0.00065 | 0.0956 | 0.000517 | 11.9 | 0.0418 | 4.42 | 0.00000517 | 0.00712 | 0.000559 | 0.00517 | 0.0141 | 0.0000103 | 7.94 | 0.00000267 | 0.0000604 | 0.000207 | 0.000507 | 0.0469 |
| 2059 Aug | 56.3 | 0.000691 | 0.0969 | 0.000521 | 12 | 0.0422 | 4.47 | 0.00000521 | 0.00721 | 0.000566 | 0.00521 | 0.0142 | 0.0000104 | 8.04 | 0.0000027 | 0.000061 | 0.00021 | 0.000513 | 0.0476 |
| 2059 Sep | 56.5 | 0.000718 | 0.0976 | 0.00052 | 12 | 0.0422 | 4.46 | 0.0000052 | 0.00724 | 0.000568 | 0.0052 | 0.0143 | 0.0000104 | 8.06 | 0.00000269 | 0.0000609 | 0.000211 | 0.000514 | 0.0479 |
| 2059 Oct | 55.9 | 0.00263 | 0.0944 | 0.000516 | 11.9 | 0.0418 | 4.42 | 0.00000516 | 0.00717 | 0.000561 | 0.00516 | 0.0141 | 0.0000103 | 7.97 | 0.00000267 | 0.0000604 | 0.000208 | 0.000509 | 0.0473 |
| 2059 Nov | 55.6 | 0.00298 | 0.0932 | 0.000516 | 11.8 | 0.0417 | 4.42 | 0.00000516 | 0.00713 | 0.000558 | 0.00516 | 0.0141 | 0.0000103 | 7.93 | 0.00000268 | 0.0000604 | 0.000207 | 0.000507 | 0.0469 |
| 2059 Dec | 55.6 | 0.00299 | 0.0931 | 0.000516 | 11.8 | 0.0417 | 4.42 | 0.00000516 | 0.00713 | 0.000558 | 0.00516 | 0.014 | 0.0000103 | 7.93 | 0.00000268 | 0.0000604 | 0.000207 | 0.000506 | 0.0469 |
| 2060 Jan | 55.6 | 0.003 | 0.0931 | 0.000516 | 11.8 | 0.0417 | 4.42 | 0.00000516 | 0.00713 | 0.000558 | 0.00516 | 0.014 | 0.0000103 | 7.93 | 0.00000268 | 0.0000604 | 0.000207 | 0.000506 | 0.0469 |
| 2060 Feb | 55.6 | 0.003 | 0.0931 | 0.000516 | 11.8 | 0.0417 | 4.42 | 0.00000516 | 0.00713 | 0.000558 | 0.00516 | 0.014 | 0.0000103 | 7.93 | 0.00000268 | 0.0000604 | 0.000207 | 0.000506 | 0.0469 |
| 2060 Mar | 55.6 | 0.00301 | 0.0931 | 0.000516 | 11.8 | 0.0417 | 4.42 | 0.00000516 | 0.00713 | 0.000558 | 0.00516 | 0.014 | 0.0000103 | 7.93 | 0.00000268 | 0.0000604 | 0.000207 | 0.000506 | 0.0469 |
| 2060 Apr | 55.6 | 0.00301 | 0.0931 | 0.000517 | 11.8 | 0.0417 | 4.42 | 0.00000517 | 0.00713 | 0.000558 | 0.00517 | 0.0141 | 0.0000103 | 7.93 | 0.00000268 | 0.0000604 | 0.000207 | 0.000507 | 0.0469 |
| 2060 May | 55.7 | 0.00855 | 0.088 | 0.000515 | 11.8 | 0.0416 | 4.41 | 0.00000515 | 0.00715 | 0.000559 | 0.00515 | 0.014 | 0.0000103 | 7.94 | 0.00000267 | 0.0000603 | 0.000207 | 0.000507 | 0.0471 |
| 2060 Jun | 54.8 | 0.00286 | 0.0918 | 0.000511 | 11.6 | 0.0411 | 4.37 | 0.00000511 | 0.00705 | 0.00055 | 0.00511 | 0.0138 | 0.0000102 | 7.82 | 0.00000266 | 0.0000597 | 0.000203 | 0.000501 | 0.0462 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 55.5 | 0.000581 | 0.0953 | 0.000517 | 11.8 | 0.0416 | 4.42 | 0.00000517 | 0.00714 | 0.000557 | 0.00517 | 0.014 | 0.0000103 | 7.91 | 0.00000269 | 0.0000604 | 0.000206 | 0.000507 | 0.0468 |
| 2060 Aug | 55.9 | 0.000628 | 0.0965 | 0.000517 | 11.9 | 0.0417 | 4.42 | 0.00000517 | 0.0072 | 0.000561 | 0.00517 | 0.0141 | 0.0000103 | 7.96 | 0.00000269 | 0.0000605 | 0.000208 | 0.00051 | 0.0474 |
| 2060 Sep | 55.1 | 0.000587 | 0.095 | 0.000512 | 11.7 | 0.0412 | 4.37 | 0.00000512 | 0.00712 | 0.000553 | 0.00512 | 0.0139 | 0.0000102 | 7.86 | 0.00000266 | 0.0000599 | 0.000205 | 0.000504 | 0.0467 |
| 2060 Oct | 54.5 | 0.00144 | 0.0927 | 0.00051 | 11.6 | 0.0409 | 4.34 | 0.0000051 | 0.00705 | 0.000547 | 0.0051 | 0.0138 | 0.0000102 | 7.77 | 0.00000265 | 0.0000596 | 0.000202 | 0.000499 | 0.0461 |
| 2060 Nov | 54.2 | 0.00172 | 0.0917 | 0.00051 | 11.5 | 0.0408 | 4.33 | 0.0000051 | 0.00701 | 0.000544 | 0.0051 | 0.0137 | 0.0000102 | 7.74 | 0.00000265 | 0.0000595 | 0.000201 | 0.000497 | 0.0457 |
| 2060 Dec | 54.2 | 0.00174 | 0.0916 | 0.00051 | 11.5 | 0.0408 | 4.33 | 0.0000051 | 0.00701 | 0.000544 | 0.0051 | 0.0137 | 0.0000102 | 7.73 | 0.00000265 | 0.0000595 | 0.000201 | 0.000496 | 0.0457 |
| 2061 Jan | 54.2 | 0.00175 | 0.0916 | 0.00051 | 11.5 | 0.0408 | 4.33 | 0.0000051 | 0.00701 | 0.000544 | 0.0051 | 0.0137 | 0.0000102 | 7.73 | 0.00000265 | 0.0000595 | 0.000201 | 0.000496 | 0.0457 |
| 2061 Feb | 54.2 | 0.00175 | 0.0916 | 0.00051 | 11.5 | 0.0408 | 4.33 | 0.0000051 | 0.00701 | 0.000544 | 0.0051 | 0.0137 | 0.0000102 | 7.73 | 0.00000265 | 0.0000595 | 0.000201 | 0.000496 | 0.0457 |
| 2061 Mar | 54.2 | 0.00176 | 0.0916 | 0.00051 | 11.5 | 0.0408 | 4.33 | 0.0000051 | 0.00701 | 0.000544 | 0.0051 | 0.0137 | 0.0000102 | 7.73 | 0.00000266 | 0.0000595 | 0.000201 | 0.000496 | 0.0457 |
| 2061 Apr | 54.2 | 0.00176 | 0.0916 | 0.000511 | 11.5 | 0.0408 | 4.33 | 0.00000511 | 0.00701 | 0.000544 | 0.00511 | 0.0137 | 0.0000102 | 7.74 | 0.00000266 | 0.0000595 | 0.000201 | 0.000497 | 0.0457 |
| 2061 May | 54.7 | 0.00375 | 0.0908 | 0.000512 | 11.6 | 0.041 | 4.35 | 0.00000512 | 0.00708 | 0.000549 | 0.00512 | 0.0138 | 0.0000102 | 7.8 | 0.00000266 | 0.0000598 | 0.000203 | 0.000501 | 0.0463 |
| 2061 Jun | 52.9 | 0.00412 | 0.0871 | 0.0005 | 11.2 | 0.0399 | 4.23 | 0.000005 | 0.00688 | 0.000532 | 0.005 | 0.0134 | 0.00001 | 7.55 | 0.0000026 | 0.0000583 | 0.000196 | 0.000486 | 0.0447 |
| 2061 Jul | 53.2 | 0.000511 | 0.0911 | 0.000503 | 11.3 | 0.0401 | 4.26 | 0.00000503 | 0.00691 | 0.000534 | 0.00503 | 0.0134 | 0.0000101 | 7.59 | 0.00000261 | 0.0000586 | 0.000197 | 0.000488 | 0.0449 |
| 2061 Aug | 53.7 | 0.000484 | 0.0921 | 0.000507 | 11.4 | 0.0404 | 4.29 | 0.00000507 | 0.00697 | 0.000539 | 0.00507 | 0.0136 | 0.0000101 | 7.66 | 0.00000263 | 0.0000591 | 0.000199 | 0.000493 | 0.0454 |
| 2061 Sep | 54 | 0.000661 | 0.0926 | 0.000507 | 11.4 | 0.0405 | 4.3 | 0.00000507 | 0.00701 | 0.000542 | 0.00507 | 0.0136 | 0.0000101 | 7.7 | 0.00000263 | 0.0000592 | 0.0002 | 0.000495 | 0.0457 |
| 2061 Oct | 53.7 | 0.00262 | 0.0902 | 0.000505 | 11.4 | 0.0403 | 4.28 | 0.00000505 | 0.00698 | 0.00054 | 0.00505 | 0.0136 | 0.0000101 | 7.66 | 0.00000262 | 0.0000589 | 0.000199 | 0.000493 | 0.0455 |
| 2061 Nov | 53.5 | 0.00311 | 0.089 | 0.000505 | 11.3 | 0.0402 | 4.27 | 0.00000505 | 0.00694 | 0.000537 | 0.00505 | 0.0135 | 0.0000101 | 7.63 | 0.00000262 | 0.0000589 | 0.000198 | 0.000491 | 0.0452 |
| 2061 Dec | 53.4 | 0.00312 | 0.0889 | 0.000505 | 11.3 | 0.0402 | 4.27 | 0.00000505 | 0.00694 | 0.000537 | 0.00505 | 0.0135 | 0.0000101 | 7.62 | 0.00000262 | 0.0000589 | 0.000198 | 0.000491 | 0.0451 |
| 2062 Jan | 53.4 | 0.00313 | 0.0889 | 0.000505 | 11.3 | 0.0402 | 4.27 | 0.00000505 | 0.00694 | 0.000536 | 0.00505 | 0.0135 | 0.0000101 | 7.62 | 0.00000262 | 0.0000589 | 0.000198 | 0.00049 | 0.0451 |
| 2062 Feb | 53.4 | 0.00313 | 0.0889 | 0.000505 | 11.3 | 0.0402 | 4.27 | 0.00000505 | 0.00694 | 0.000536 | 0.00505 | 0.0135 | 0.0000101 | 7.62 | 0.00000262 | 0.0000589 | 0.000198 | 0.00049 | 0.0451 |
| 2062 Mar | 53.4 | 0.00314 | 0.0889 | 0.000505 | 11.3 | 0.0402 | 4.27 | 0.00000505 | 0.00694 | 0.000537 | 0.00505 | 0.0135 | 0.0000101 | 7.62 | 0.00000262 | 0.0000589 | 0.000198 | 0.000491 | 0.0451 |
| 2062 Apr | 53.4 | 0.00314 | 0.0889 | 0.000505 | 11.3 | 0.0402 | 4.28 | 0.00000505 | 0.00694 | 0.000537 | 0.00505 | 0.0135 | 0.0000101 | 7.63 | 0.00000263 | 0.0000589 | 0.000198 | 0.000491 | 0.0451 |
| 2062 May | 53.6 | 0.00315 | 0.0891 | 0.000506 | 11.3 | 0.0403 | 4.28 | 0.00000506 | 0.00696 | 0.000538 | 0.00506 | 0.0135 | 0.0000101 | 7.64 | 0.00000263 | 0.000059 | 0.000198 | 0.000492 | 0.0452 |
| 2062 Jun | 53.4 | 0.00269 | 0.0895 | 0.000501 | 11.3 | 0.0401 | 4.26 | 0.00000501 | 0.00691 | 0.000536 | 0.00501 | 0.0135 | 0.00001 | 7.62 | 0.00000261 | 0.0000585 | 0.000198 | 0.000489 | 0.0451 |
| 2062 Jul | 52.9 | 0.000538 | 0.0901 | 0.000499 | 11.2 | 0.0399 | 4.24 | 0.00000499 | 0.0068 | 0.000531 | 0.00499 | 0.0134 | 0.00000998 | 7.55 | 0.0000026 | 0.0000581 | 0.000196 | 0.000484 | 0.0444 |
| 2062 Aug | 53.5 | 0.00064 | 0.0914 | 0.000503 | 11.4 | 0.0403 | 4.28 | 0.00000503 | 0.00688 | 0.000537 | 0.00503 | 0.0135 | 0.0000101 | 7.64 | 0.00000261 | 0.0000586 | 0.000198 | 0.000489 | 0.045 |
| 2062 Sep | 53.5 | 0.000676 | 0.0916 | 0.000501 | 11.4 | 0.0403 | 4.27 | 0.00000501 | 0.00688 | 0.000538 | 0.00501 | 0.0135 | 0.00001 | 7.64 | 0.0000026 | 0.0000584 | 0.000199 | 0.000489 | 0.0451 |
| 2062 Oct | 52.5 | 0.00459 | 0.0856 | 0.000495 | 11.2 | 0.0397 | 4.21 | 0.00000495 | 0.00676 | 0.000528 | 0.00495 | 0.0133 | 0.00000989 | 7.51 | 0.00000257 | 0.0000576 | 0.000195 | 0.00048 | 0.0441 |
| 2062 Nov | 52.2 | 0.00516 | 0.084 | 0.000494 | 11.1 | 0.0396 | 4.2 | 0.00000494 | 0.00671 | 0.000524 | 0.00494 | 0.0132 | 0.00000989 | 7.46 | 0.00000258 | 0.0000575 | 0.000193 | 0.000477 | 0.0437 |
| 2062 Dec | 52.1 | 0.00518 | 0.0839 | 0.000495 | 11.1 | 0.0396 | 4.2 | 0.00000495 | 0.0067 | 0.000524 | 0.00495 | 0.0132 | 0.00000989 | 7.45 | 0.00000258 | 0.0000575 | 0.000193 | 0.000477 | 0.0436 |
| 2063 Jan | 52.1 | 0.00518 | 0.0839 | 0.000495 | 11.1 | 0.0396 | 4.2 | 0.00000495 | 0.0067 | 0.000524 | 0.00495 | 0.0132 | 0.00000989 | 7.45 | 0.00000258 | 0.0000575 | 0.000193 | 0.000477 | 0.0436 |
| 2063 Feb | 52.1 | 0.00519 | 0.0839 | 0.000495 | 11.1 | 0.0396 | 4.2 | 0.00000495 | 0.0067 | 0.000524 | 0.00495 | 0.0132 | 0.00000989 | 7.45 | 0.00000258 | 0.0000575 | 0.000193 | 0.000477 | 0.0436 |
| 2063 Mar | 52.1 | 0.00519 | 0.0839 | 0.000495 | 11.1 | 0.0396 | 4.2 | 0.00000495 | 0.0067 | 0.000524 | 0.00495 | 0.0132 | 0.00000989 | 7.45 | 0.00000258 | 0.0000575 | 0.000193 | 0.000477 | 0.0436 |
| 2063 Apr | 52.1 | 0.00519 | 0.0839 | 0.000495 | 11.1 | 0.0396 | 4.2 | 0.00000495 | 0.0067 | 0.000524 | 0.00495 | 0.0132 | 0.00000989 | 7.46 | 0.00000258 | 0.0000575 | 0.000193 | 0.000477 | 0.0436 |
| 2063 May | 52.5 | 0.00588 | 0.084 | 0.000496 | 11.2 | 0.0397 | 4.22 | 0.00000496 | 0.00675 | 0.000527 | 0.00496 | 0.0133 | 0.00000992 | 7.5 | 0.00000259 | 0.0000577 | 0.000195 | 0.00048 | 0.044 |
| 2063 Jun | 52.3 | 0.00564 | 0.0842 | 0.00049 | 11.1 | 0.0394 | 4.18 | 0.0000049 | 0.00672 | 0.000525 | 0.0049 | 0.0132 | 0.00000979 | 7.47 | 0.00000257 | 0.0000571 | 0.000194 | 0.000477 | 0.0439 |
| 2063 Jul | 52.1 | 0.000569 | 0.0885 | 0.000492 | 11.1 | 0.0395 | 4.19 | 0.00000492 | 0.00667 | 0.000524 | 0.00492 | 0.0132 | 0.00000984 | 7.45 | 0.00000258 | 0.0000572 | 0.000193 | 0.000476 | 0.0435 |
| 2063 Aug | 52.9 | 0.000427 | 0.0901 | 0.000498 | 11.3 | 0.0401 | 4.25 | 0.00000498 | 0.00678 | 0.000532 | 0.00498 | 0.0134 | 0.00000996 | 7.57 | 0.00000261 | 0.000058 | 0.000196 | 0.000483 | 0.0442 |
| 2063 Sep | 53.3 | 0.000405 | 0.0911 | 0.0005 | 11.4 | 0.0403 | 4.28 | 0.000005 | 0.00683 | 0.000536 | 0.005 | 0.0135 | 0.00001 | 7.63 | 0.00000263 | 0.0000583 | 0.000198 | 0.000487 | 0.0447 |
| 2063 Oct | 53.5 | 0.000895 | 0.091 | 0.000501 | 11.4 | 0.0404 | 4.28 | 0.00000501 | 0.00686 | 0.000538 | 0.00501 | 0.0136 | 0.00001 | 7.65 | 0.00000263 | 0.0000584 | 0.000199 | 0.000488 | 0.0449 |
| 2063 Nov | 53.5 | 0.000988 | 0.0909 | 0.000501 | 11.4 | 0.0404 | 4.28 | 0.00000501 | 0.00685 | 0.000538 | 0.00501 | 0.0136 | 0.00001 | 7.65 | 0.00000263 | 0.0000584 | 0.000199 | 0.000488 | 0.0449 |
| 2063 Dec | 53.5 | 0.001 | 0.0908 | 0.000501 | 11.4 | 0.0404 | 4.28 | 0.00000501 | 0.00685 | 0.000538 | 0.00501 | 0.0136 | 0.00001 | 7.65 | 0.00000263 | 0.0000584 | 0.000199 | 0.000488 | 0.0449 |
| 2064 Jan | 53.5 | 0.00101 | 0.0908 | 0.000501 | 11.4 | 0.0404 | 4.28 | 0.00000501 | 0.00685 | 0.000538 | 0.00501 | 0.0136 | 0.00001 | 7.65 | 0.00000263 | 0.0000584 | 0.000199 | 0.000488 | 0.0449 |
| 2064 Feb | 53.5 | 0.00101 | 0.0908 | 0.000501 | 11.4 | 0.0404 | 4.28 | 0.00000501 | 0.00685 | 0.000538 | 0.00501 | 0.0136 | 0.00001 | 7.65 | 0.00000263 | 0.0000584 | 0.000199 | 0.000488 | 0.0449 |
| 2064 Mar | 53.5 | 0.00101 | 0.0908 | 0.000501 | 11.4 | 0.0404 | 4.28 | 0.00000501 | 0.00685 | 0.000538 | 0.00501 | 0.0136 | 0.00001 | 7.65 | 0.00000263 | 0.0000584 | 0.000199 | 0.000488 | 0.0449 |
| 2064 Apr | 53.5 | 0.00101 | 0.0909 | 0.000501 | 11.4 | 0.0404 | 4.28 | 0.00000501 | 0.00686 | 0.000538 | 0.00501 | 0.0136 | 0.00001 | 7.65 | 0.00000263 | 0.0000584 | 0.000199 | 0.000488 | 0.0449 |
| 2064 May | 53.8 | 0.00387 | 0.0887 | 0.0005 | 11.5 | 0.0405 | 4.29 | 0.000005 | 0.00688 | 0.00054 | 0.005 | 0.0136 | 0.00001 | 7.68 | 0.00000262 | 0.0000584 | 0.0002 | 0.00049 | 0.0452 |
| 2064 Jun | 53.6 | 0.00237 | 0.0898 | 0.000498 | 11.4 | 0.0403 | 4.27 | 0.00000498 | 0.00684 | 0.000538 | 0.00498 | 0.0136 | 0.00000995 | 7.65 | 0.00000261 | 0.0000581 | 0.000199 | 0.000488 | 0.0449 |
| 2064 Jul | 54.3 | 0.000511 | 0.093 | 0.000504 | 11.6 | 0.0408 | 4.33 | 0.00000504 | 0.00693 | 0.000545 | 0.00504 | 0.0137 | 0.0000101 | 7.75 | 0.00000264 | 0.0000588 | 0.000202 | 0.000494 | 0.0456 |
| 2064 Aug | 54.9 | 0.000545 | 0.0944 | 0.000507 | 11.7 | 0.0412 | 4.36 | 0.00000507 | 0.00702 | 0.000552 | 0.00507 | 0.0139 | 0.0000101 | 7.84 | 0.00000265 | 0.0000593 | 0.000205 | 0.0005 | 0.0463 |
| 2064 Sep | 55 | 0.000522 | 0.0948 | 0.000506 | 11.7 | 0.0412 | 4.36 | 0.00000506 | 0.00703 | 0.000552 | 0.00506 | 0.0139 | 0.0000101 | 7.85 | 0.00000265 | 0.0000593 | 0.000205 | 0.0005 | 0.0464 |
| 2064 Oct | 54.8 | 0.000419 | 0.0942 | 0.000506 | 11.7 | 0.0411 | 4.35 | 0.00000506 | 0.007 | 0.00055 | 0.00506 | 0.0138 | 0.0000101 | 7.82 | 0.00000265 | 0.0000592 | 0.000204 | 0.000498 | 0.0461 |
| 2064 Nov | 54.7 | 0.000451 | 0.094 | 0.000507 | 11.7 | 0.0411 | 4.35 | 0.00000507 | 0.00699 | 0.00055 | 0.00507 | 0.0138 | 0.0000101 | 7.81 | 0.00000265 | 0.0000592 | 0.000204 | 0.000498 | 0.046 |
| 2064 Dec | 54.7 | 0.000461 | 0.094 | 0.000507 | 11.7 | 0.0411 | 4.35 | 0.00000507 | 0.00699 | 0.00055 | 0.00507 | 0.0138 | 0.0000101 | 7.81 | 0.00000265 | 0.0000592 | 0.000204 | 0.000498 | 0.046 |
| 2065 Jan | 54.7 | 0.000465 | 0.094 | 0.000507 | 11.7 | 0.0411 | 4.35 | 0.00000507 | 0.00699 | 0.00055 | 0.00507 | 0.0138 | 0.0000101 | 7.81 | 0.00000265 | 0.0000592 | 0.000204 | 0.000498 | 0.046 |
| 2065 Feb | 54.7 | 0.000467 | 0.094 | 0.000507 | 11.7 | 0.0411 | 4.35 | 0.00000507 | 0.00699 | 0.00055 | 0.00507 | 0.0138 | 0.0000101 | 7.81 | 0.00000265 | 0.0000592 | 0.000204 | 0.000498 | 0.046 |
| 2065 Mar | 54.7 | 0.000469 | 0.094 | 0.000507 | 11.7 | 0.0411 | 4.35 | 0.00000507 | 0.00699 | 0.00055 | 0.00507 | 0.0138 | 0.0000101 | 7.82 | 0.00000265 | 0.0000592 | 0.000204 | 0.000498 | 0.046 |
| 2065 Apr | 54.8 | 0.00047 | 0.0941 | 0.000507 | 11.7 | 0.0411 | 4.36 | 0.00000507 | 0.007 | 0.00055 | 0.00507 | 0.0139 | 0.0000101 | 7.82 | 0.00000265 | 0.0000593 | 0.000204 | 0.000499 | 0.0461 |
| 2065 May | 55.3 | 0.00217 | 0.0936 | 0.000508 | 11.8 | 0.0413 | 4.38 | 0.00000508 | 0.00707 | 0.000555 | 0.00508 | 0.014 | 0.0000102 | 7.89 | 0.00000266 | 0.0000595 | 0.000206 | 0.000503 | 0.0467 |
| 2065 Jun | 54.2 | 0.0028 | 0.0909 | 0.000501 | 11.6 | 0.0407 | 4.31 | 0.00000501 | 0.00692 | 0.000544 | 0.00501 | 0.0137 | 0.00001 | 7.74 | 0.00000261 | 0.0000586 | 0.000202 | 0.000493 | 0.0456 |
| 2065 Jul | 54.5 | 0.00043 | 0.0934 | 0.000506 | 11.6 | 0.041 | 4.35 | 0.00000506 | 0.00694 | 0.000547 | 0.00506 | 0.0138 | 0.0000101 | 7.78 | 0.00000263 | 0.0000591 | 0.000202 | 0.000496 | 0.0457 |
| 2065 Aug | 55.2 | 0.00049 | 0.0948 | 0.000511 | 11.8 | 0.0414 | 4.39 | 0.00000511 | 0.00703 | 0.000554 | 0.00511 | 0.014 | 0.0000102 | 7.88 | 0.00000266 | 0.0000597 | 0.000205 | 0.000502 | 0.0464 |
| 2065 Sep | 55.5 | 0.000681 | 0.0954 | 0.000511 | 11.8 | 0.0415 | 4.4 | 0.00000511 | 0.00707 | 0.000557 | 0.00511 | 0.014 | 0.0000102 | 7.92 | 0.00000265 | 0.0000598 | 0.000207 | 0.000504 | 0.0468 |
| 2065 Oct | 55 | 0.00348 | 0.0918 | 0.000507 | 11.7 | 0.0412 | 4.36 | 0.00000507 | 0.00701 | 0.000552 | 0.00507 | 0.0139 | 0.0000101 | 7.85 | 0.00000263 | 0.0000593 | 0.000205 | 0.0005 | 0.0464 |
| 2065 Nov | 54.6 | 0.00423 | 0.0899 | 0.000507 | 11.6 | 0.041 | 4.35 | 0.00000507 | 0.00695 | 0.000548 | 0.00507 | 0.0138 | 0.0000101 | 7.79 | 0.00000263 | 0.0000592 | 0.000203 | 0.000496 | 0.0458 |

**Appendix D13. WT South Basin**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 54.5 | 0.00425 | 0.0897 | 0.000507 | 11.6 | 0.041 | 4.35 | 0.00000507 | 0.00694 | 0.000547 | 0.00507 | 0.0138 | 0.0000101 | 7.78 | 0.00000263 | 0.0000592 | 0.000203 | 0.000496 | 0.0457 |
| 2066 Jan | 54.5 | 0.00426 | 0.0896 | 0.000507 | 11.6 | 0.041 | 4.35 | 0.00000507 | 0.00694 | 0.000547 | 0.00507 | 0.0138 | 0.0000101 | 7.78 | 0.00000263 | 0.0000592 | 0.000203 | 0.000496 | 0.0457 |
| 2066 Feb | 54.5 | 0.00427 | 0.0896 | 0.000507 | 11.6 | 0.041 | 4.35 | 0.00000507 | 0.00694 | 0.000547 | 0.00507 | 0.0138 | 0.0000101 | 7.78 | 0.00000263 | 0.0000592 | 0.000203 | 0.000496 | 0.0457 |
| 2066 Mar | 54.5 | 0.00427 | 0.0897 | 0.000507 | 11.6 | 0.041 | 4.35 | 0.00000507 | 0.00694 | 0.000547 | 0.00507 | 0.0138 | 0.0000101 | 7.79 | 0.00000263 | 0.0000592 | 0.000203 | 0.000496 | 0.0457 |
| 2066 Apr | 54.5 | 0.00427 | 0.0897 | 0.000507 | 11.6 | 0.041 | 4.35 | 0.00000507 | 0.00694 | 0.000547 | 0.00507 | 0.0138 | 0.0000101 | 7.79 | 0.00000264 | 0.0000592 | 0.000203 | 0.000496 | 0.0457 |
| 2066 May | 54.8 | 0.00517 | 0.0894 | 0.000508 | 11.7 | 0.0412 | 4.36 | 0.00000508 | 0.00698 | 0.00055 | 0.00508 | 0.0139 | 0.0000102 | 7.82 | 0.00000264 | 0.0000593 | 0.000204 | 0.000498 | 0.046 |
| 2066 Jun | 54.1 | 0.0037 | 0.0896 | 0.000502 | 11.5 | 0.0407 | 4.31 | 0.00000502 | 0.0069 | 0.000543 | 0.00502 | 0.0137 | 0.00001 | 7.72 | 0.00000262 | 0.0000587 | 0.000201 | 0.000493 | 0.0454 |
| 2066 Jul | 55.1 | 0.000697 | 0.0944 | 0.000512 | 11.7 | 0.0415 | 4.4 | 0.00000512 | 0.00703 | 0.000553 | 0.00512 | 0.014 | 0.0000102 | 7.87 | 0.00000267 | 0.0000598 | 0.000205 | 0.000502 | 0.0463 |
| 2066 Aug | 55.8 | 0.000477 | 0.0961 | 0.000515 | 11.9 | 0.0418 | 4.43 | 0.00000515 | 0.00712 | 0.00056 | 0.00515 | 0.0141 | 0.0000103 | 7.97 | 0.00000269 | 0.0000603 | 0.000208 | 0.000508 | 0.047 |
| 2066 Sep | 56.1 | 0.000704 | 0.0967 | 0.000515 | 12 | 0.0419 | 4.44 | 0.00000515 | 0.00717 | 0.000563 | 0.00515 | 0.0142 | 0.0000103 | 8 | 0.00000269 | 0.0000604 | 0.000209 | 0.00051 | 0.0474 |
| 2066 Oct | 55.9 | 0.00186 | 0.0952 | 0.000513 | 11.9 | 0.0417 | 4.42 | 0.00000513 | 0.00714 | 0.000561 | 0.00513 | 0.0141 | 0.0000103 | 7.97 | 0.00000268 | 0.0000601 | 0.000208 | 0.000508 | 0.0472 |
| 2066 Nov | 55.5 | 0.00289 | 0.0932 | 0.000513 | 11.8 | 0.0416 | 4.41 | 0.00000513 | 0.00709 | 0.000557 | 0.00513 | 0.014 | 0.0000103 | 7.92 | 0.00000268 | 0.00006 | 0.000207 | 0.000505 | 0.0468 |
| 2066 Dec | 55.4 | 0.00292 | 0.0929 | 0.000513 | 11.8 | 0.0416 | 4.4 | 0.00000513 | 0.00708 | 0.000556 | 0.00513 | 0.014 | 0.0000103 | 7.91 | 0.00000268 | 0.0000599 | 0.000206 | 0.000505 | 0.0466 |
| 2067 Jan | 55.4 | 0.00293 | 0.0929 | 0.000513 | 11.8 | 0.0416 | 4.4 | 0.00000513 | 0.00708 | 0.000556 | 0.00513 | 0.014 | 0.0000103 | 7.91 | 0.00000268 | 0.0000599 | 0.000206 | 0.000505 | 0.0466 |
| 2067 Feb | 55.4 | 0.00294 | 0.0929 | 0.000513 | 11.8 | 0.0416 | 4.4 | 0.00000513 | 0.00708 | 0.000556 | 0.00513 | 0.014 | 0.0000103 | 7.91 | 0.00000268 | 0.0000599 | 0.000206 | 0.000505 | 0.0466 |
| 2067 Mar | 55.4 | 0.00294 | 0.0929 | 0.000513 | 11.8 | 0.0416 | 4.41 | 0.00000513 | 0.00708 | 0.000556 | 0.00513 | 0.014 | 0.0000103 | 7.91 | 0.00000268 | 0.0000599 | 0.000206 | 0.000505 | 0.0466 |
| 2067 Apr | 55.4 | 0.00294 | 0.0929 | 0.000513 | 11.8 | 0.0416 | 4.41 | 0.00000513 | 0.00708 | 0.000556 | 0.00513 | 0.014 | 0.0000103 | 7.91 | 0.00000268 | 0.00006 | 0.000206 | 0.000505 | 0.0467 |
| 2067 May | 56 | 0.00524 | 0.0921 | 0.000514 | 11.9 | 0.0418 | 4.43 | 0.00000514 | 0.00717 | 0.000562 | 0.00514 | 0.0141 | 0.0000103 | 7.99 | 0.00000269 | 0.0000602 | 0.000209 | 0.00051 | 0.0474 |
| 2067 Jun | 54.9 | 0.00296 | 0.092 | 0.000508 | 11.7 | 0.0412 | 4.36 | 0.00000508 | 0.00703 | 0.000551 | 0.00508 | 0.0139 | 0.0000102 | 7.83 | 0.00000266 | 0.0000595 | 0.000204 | 0.000501 | 0.0463 |
| 2067 Jul | 55.7 | 0.00039 | 0.0958 | 0.000516 | 11.8 | 0.0417 | 4.43 | 0.00000516 | 0.00713 | 0.000558 | 0.00516 | 0.0141 | 0.0000103 | 7.94 | 0.0000027 | 0.0000603 | 0.000207 | 0.000508 | 0.0469 |
| 2067 Aug | 56 | 0.000529 | 0.0968 | 0.000516 | 11.9 | 0.0419 | 4.43 | 0.00000516 | 0.00719 | 0.000562 | 0.00516 | 0.0141 | 0.0000103 | 7.99 | 0.0000027 | 0.0000604 | 0.000209 | 0.000511 | 0.0474 |
| 2067 Sep | 56.2 | 0.000516 | 0.0969 | 0.000517 | 11.9 | 0.042 | 4.44 | 0.00000517 | 0.00721 | 0.000564 | 0.00517 | 0.0142 | 0.0000103 | 8.01 | 0.00000271 | 0.0000606 | 0.000209 | 0.000512 | 0.0475 |
| 2067 Oct | 55.9 | 0.00181 | 0.0951 | 0.000516 | 11.9 | 0.0418 | 4.43 | 0.00000516 | 0.00718 | 0.000561 | 0.00516 | 0.0141 | 0.0000103 | 7.97 | 0.0000027 | 0.0000604 | 0.000208 | 0.00051 | 0.0472 |
| 2067 Nov | 55.8 | 0.00205 | 0.0945 | 0.000516 | 11.9 | 0.0418 | 4.43 | 0.00000516 | 0.00716 | 0.00056 | 0.00516 | 0.0141 | 0.0000103 | 7.95 | 0.00000271 | 0.0000604 | 0.000208 | 0.000509 | 0.0471 |
| 2067 Dec | 55.8 | 0.00206 | 0.0944 | 0.000516 | 11.9 | 0.0418 | 4.43 | 0.00000516 | 0.00716 | 0.00056 | 0.00516 | 0.0141 | 0.0000103 | 7.95 | 0.00000271 | 0.0000604 | 0.000208 | 0.000509 | 0.047 |
| 2068 Jan | 55.8 | 0.00207 | 0.0944 | 0.000516 | 11.9 | 0.0418 | 4.43 | 0.00000516 | 0.00716 | 0.00056 | 0.00516 | 0.0141 | 0.0000103 | 7.95 | 0.00000271 | 0.0000604 | 0.000208 | 0.000509 | 0.047 |
| 2068 Feb | 55.8 | 0.00207 | 0.0944 | 0.000516 | 11.9 | 0.0418 | 4.43 | 0.00000516 | 0.00716 | 0.00056 | 0.00516 | 0.0141 | 0.0000103 | 7.95 | 0.00000271 | 0.0000604 | 0.000208 | 0.000509 | 0.047 |
| 2068 Mar | 55.8 | 0.00207 | 0.0944 | 0.000516 | 11.9 | 0.0418 | 4.43 | 0.00000516 | 0.00716 | 0.00056 | 0.00516 | 0.0141 | 0.0000103 | 7.95 | 0.00000271 | 0.0000604 | 0.000208 | 0.000509 | 0.0471 |
| 2068 Apr | 55.8 | 0.00208 | 0.0946 | 0.000517 | 11.9 | 0.0418 | 4.43 | 0.00000517 | 0.00717 | 0.00056 | 0.00517 | 0.0141 | 0.0000103 | 7.96 | 0.00000271 | 0.0000605 | 0.000208 | 0.000509 | 0.0471 |
| 2068 May | 56.1 | 0.00493 | 0.0924 | 0.000517 | 11.9 | 0.0419 | 4.44 | 0.00000517 | 0.00721 | 0.000563 | 0.00517 | 0.0141 | 0.0000103 | 7.99 | 0.00000271 | 0.0000605 | 0.000209 | 0.000512 | 0.0475 |
| 2068 Jun | 53.9 | 0.00355 | 0.0894 | 0.000505 | 11.4 | 0.0406 | 4.31 | 0.00000505 | 0.00695 | 0.000541 | 0.00505 | 0.0136 | 0.0000101 | 7.69 | 0.00000265 | 0.0000589 | 0.0002 | 0.000494 | 0.0454 |
| 2068 Jul | 54.5 | 0.00055 | 0.0931 | 0.000511 | 11.5 | 0.0411 | 4.36 | 0.00000511 | 0.00702 | 0.000547 | 0.00511 | 0.0138 | 0.0000102 | 7.77 | 0.00000268 | 0.0000596 | 0.000202 | 0.000499 | 0.0458 |
| 2068 Aug | 55.4 | 0.00047 | 0.0951 | 0.000518 | 11.7 | 0.0416 | 4.42 | 0.00000518 | 0.00714 | 0.000556 | 0.00518 | 0.014 | 0.0000104 | 7.9 | 0.00000271 | 0.0000604 | 0.000206 | 0.000507 | 0.0466 |
| 2068 Sep | 55.8 | 0.000432 | 0.0961 | 0.000518 | 11.8 | 0.0418 | 4.43 | 0.00000518 | 0.00719 | 0.00056 | 0.00518 | 0.0141 | 0.0000104 | 7.95 | 0.00000271 | 0.0000606 | 0.000208 | 0.00051 | 0.0471 |
| 2068 Oct | 55.8 | 0.00037 | 0.0961 | 0.000519 | 11.8 | 0.0418 | 4.43 | 0.00000519 | 0.00719 | 0.00056 | 0.00519 | 0.0141 | 0.0000104 | 7.95 | 0.00000272 | 0.0000606 | 0.000208 | 0.00051 | 0.0471 |
| 2068 Nov | 55.8 | 0.000388 | 0.0961 | 0.000519 | 11.8 | 0.0418 | 4.44 | 0.00000519 | 0.0072 | 0.00056 | 0.00519 | 0.0141 | 0.0000104 | 7.96 | 0.00000272 | 0.0000607 | 0.000208 | 0.00051 | 0.0471 |
| 2068 Dec | 55.8 | 0.000395 | 0.0961 | 0.000519 | 11.8 | 0.0418 | 4.44 | 0.00000519 | 0.0072 | 0.00056 | 0.00519 | 0.0141 | 0.0000104 | 7.96 | 0.00000272 | 0.0000607 | 0.000208 | 0.00051 | 0.0471 |
| 2069 Jan | 55.8 | 0.000399 | 0.0961 | 0.000519 | 11.8 | 0.0418 | 4.44 | 0.00000519 | 0.0072 | 0.00056 | 0.00519 | 0.0141 | 0.0000104 | 7.96 | 0.00000272 | 0.0000607 | 0.000208 | 0.00051 | 0.0471 |
| 2069 Feb | 55.8 | 0.000401 | 0.0961 | 0.000519 | 11.8 | 0.0418 | 4.44 | 0.00000519 | 0.0072 | 0.00056 | 0.00519 | 0.0141 | 0.0000104 | 7.96 | 0.00000272 | 0.0000607 | 0.000208 | 0.00051 | 0.0471 |
| 2069 Mar | 55.8 | 0.000402 | 0.0961 | 0.000519 | 11.8 | 0.0418 | 4.44 | 0.00000519 | 0.0072 | 0.00056 | 0.00519 | 0.0141 | 0.0000104 | 7.96 | 0.00000272 | 0.0000607 | 0.000208 | 0.00051 | 0.0471 |
| 2069 Apr | 55.8 | 0.000403 | 0.0962 | 0.000519 | 11.8 | 0.0418 | 4.44 | 0.00000519 | 0.0072 | 0.00056 | 0.00519 | 0.0141 | 0.0000104 | 7.96 | 0.00000272 | 0.0000607 | 0.000208 | 0.00051 | 0.0471 |
| 2069 May | 56.1 | 0.000694 | 0.0965 | 0.000521 | 11.9 | 0.042 | 4.46 | 0.00000521 | 0.00724 | 0.000563 | 0.00521 | 0.0142 | 0.0000104 | 8 | 0.00000273 | 0.0000609 | 0.000209 | 0.000513 | 0.0475 |
| 2069 Jun | 56.3 | 0.00116 | 0.0968 | 0.000518 | 12 | 0.0419 | 4.44 | 0.00000518 | 0.00725 | 0.000565 | 0.00518 | 0.0142 | 0.0000104 | 8.02 | 0.0000027 | 0.0000607 | 0.00021 | 0.000514 | 0.0478 |
| 2069 Jul | 56.8 | 0.000451 | 0.0982 | 0.000525 | 12.1 | 0.0425 | 4.5 | 0.00000525 | 0.00732 | 0.00057 | 0.00525 | 0.0143 | 0.0000105 | 8.1 | 0.00000274 | 0.0000615 | 0.000212 | 0.000519 | 0.0481 |
| 2069 Aug | 57.6 | 0.000593 | 0.0999 | 0.000528 | 12.2 | 0.0428 | 4.54 | 0.00000528 | 0.00742 | 0.000578 | 0.00528 | 0.0145 | 0.0000106 | 8.21 | 0.00000275 | 0.000062 | 0.000215 | 0.000525 | 0.049 |
| 2069 Sep | 57.3 | 0.000636 | 0.0993 | 0.000525 | 12.2 | 0.0426 | 4.51 | 0.00000525 | 0.00738 | 0.000575 | 0.00525 | 0.0144 | 0.0000105 | 8.16 | 0.00000273 | 0.0000616 | 0.000214 | 0.000522 | 0.0487 |
| 2069 Oct | 56.9 | 0.000873 | 0.098 | 0.000525 | 12.1 | 0.0424 | 4.5 | 0.00000525 | 0.00732 | 0.000571 | 0.00525 | 0.0143 | 0.0000105 | 8.11 | 0.00000273 | 0.0000615 | 0.000212 | 0.000519 | 0.0482 |
| 2069 Nov | 56.8 | 0.000957 | 0.0977 | 0.000525 | 12.1 | 0.0424 | 4.5 | 0.00000525 | 0.00732 | 0.00057 | 0.00525 | 0.0143 | 0.0000105 | 8.1 | 0.00000273 | 0.0000615 | 0.000212 | 0.000519 | 0.0481 |
| 2069 Dec | 56.8 | 0.000971 | 0.0977 | 0.000525 | 12.1 | 0.0424 | 4.5 | 0.00000525 | 0.00732 | 0.00057 | 0.00525 | 0.0143 | 0.0000105 | 8.1 | 0.00000273 | 0.0000615 | 0.000212 | 0.000518 | 0.0481 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000414 | 3.07 | 0.00357 | 3.23 | 0.0845 | 0.00151 | 2.28 | 0.00424 | 0.00744 | 0.0000664 | 0.000409 | 0.0000997 | 0.13 | 0.00000723 | 0.000378 | 0.000847 | 0.00219 | 0.000698 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000456 | 3.4 | 0.00386 | 3.59 | 0.0971 | 0.00199 | 2.63 | 0.00509 | 0.00773 | 0.0000745 | 0.000641 | 0.000158 | 0.144 | 0.0000102 | 0.000438 | 0.00105 | 0.00253 | 0.00321 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000489 | 3.64 | 0.00405 | 3.85 | 0.106 | 0.00249 | 2.92 | 0.00566 | 0.00801 | 0.0000846 | 0.000916 | 0.000207 | 0.154 | 0.0000014 | 0.000491 | 0.00122 | 0.00287 | 0.0049 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000255 | 1.56 | 0.00191 | 1.7 | 0.0249 | 0.000285 | 1.13 | 0.00142 | 0.00463 | 0.000035 | 0.0000531 | 0.0000265 | 0.0613 | 0.00000509 | 0.0000775 | 0.000257 | 0.00154 | 0.0000132 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000286 | 1.89 | 0.00235 | 2.01 | 0.0373 | 0.000502 | 1.36 | 0.00198 | 0.00547 | 0.000047 | 0.000108 | 0.0000493 | 0.0771 | 0.00000551 | 0.000134 | 0.000357 | 0.00168 | 0.000635 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.00000427 | 3.12 | 0.00362 | 3.31 | 0.0871 | 0.00149 | 2.3 | 0.0044 | 0.00771 | 0.0000697 | 0.000394 | 0.000169 | 0.131 | 0.00000725 | 0.000394 | 0.000864 | 0.00219 | 0.00391 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000245 | 1.47 | 0.00182 | 1.61 | 0.0232 | 0.000262 | 1.07 | 0.00133 | 0.00435 | 0.0000336 | 0.0000499 | 0.0000248 | 0.0578 | 0.0000049 | 0.0000715 | 0.000245 | 0.0015 | 1.11E-08 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000256 | 1.56 | 0.00193 | 1.7 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00465 | 0.0000415 | 0.000052 | 0.0000259 | 0.0614 | 0.00000511 | 0.0000761 | 0.000256 | 0.00156 | 0.00000189 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.00000264 | 1.62 | 0.00204 | 1.77 | 0.0264 | 0.000297 | 1.18 | 0.00148 | 0.00489 | 0.0000477 | 0.0000537 | 0.0000268 | 0.0644 | 0.00000528 | 0.0000805 | 0.000264 | 0.00161 | 0.000012 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000457 | 3.5 | 0.00402 | 3.62 | 0.0997 | 0.00246 | 2.85 | 0.00564 | 0.00744 | 0.0000706 | 0.000916 | 0.0000997 | 0.151 | 0.000014 | 0.000427 | 0.00118 | 0.00285 | 0.000698 |
| 2024 Feb | 0.00000462 | 3.53 | 0.00403 | 3.66 | 0.101 | 0.00247 | 2.87 | 0.00565 | 0.00746 | 0.0000724 | 0.000915 | 0.000108 | 0.152 | 0.0000139 | 0.000437 | 0.00119 | 0.00286 | 0.000993 |
| 2024 Mar | 0.00000468 | 3.56 | 0.00404 | 3.7 | 0.102 | 0.00248 | 2.89 | 0.00566 | 0.00749 | 0.0000741 | 0.000914 | 0.000116 | 0.153 | 0.0000138 | 0.000448 | 0.00121 | 0.00286 | 0.00128 |
| 2024 Apr | 0.00000473 | 3.59 | 0.00405 | 3.74 | 0.104 | 0.00249 | 2.92 | 0.00566 | 0.00752 | 0.0000758 | 0.000913 | 0.000124 | 0.154 | 0.0000137 | 0.000458 | 0.00122 | 0.00287 | 0.00156 |
| 2024 May | 0.00000474 | 3.59 | 0.00405 | 3.75 | 0.104 | 0.00246 | 2.91 | 0.0056 | 0.00755 | 0.0000764 | 0.000895 | 0.000129 | 0.154 | 0.0000134 | 0.000461 | 0.00122 | 0.00285 | 0.00178 |
| 2024 Jun | 0.00000455 | 3.46 | 0.00395 | 3.59 | 0.0986 | 0.00229 | 2.77 | 0.00528 | 0.0075 | 0.0000722 | 0.000822 | 0.000121 | 0.149 | 0.0000126 | 0.000433 | 0.00114 | 0.00273 | 0.00166 |
| 2024 Jul | 0.00000458 | 3.48 | 0.00399 | 3.61 | 0.0989 | 0.00229 | 2.78 | 0.00529 | 0.00759 | 0.0000723 | 0.000818 | 0.000121 | 0.149 | 0.0000127 | 0.000433 | 0.00113 | 0.00275 | 0.00166 |
| 2024 Aug | 0.00000459 | 3.5 | 0.00402 | 3.62 | 0.0991 | 0.00228 | 2.79 | 0.0053 | 0.00766 | 0.0000723 | 0.000815 | 0.00012 | 0.15 | 0.0000127 | 0.000432 | 0.00113 | 0.00276 | 0.00165 |
| 2024 Sep | 0.00000448 | 3.41 | 0.00395 | 3.53 | 0.0961 | 0.00219 | 2.71 | 0.00512 | 0.00758 | 0.0000699 | 0.000778 | 0.000116 | 0.147 | 0.0000123 | 0.000417 | 0.00109 | 0.00269 | 0.00157 |
| 2024 Oct | 0.00000448 | 3.41 | 0.00395 | 3.53 | 0.0961 | 0.00219 | 2.71 | 0.00515 | 0.00759 | 0.0000698 | 0.000774 | 0.000116 | 0.147 | 0.0000122 | 0.000416 | 0.00109 | 0.00268 | 0.00159 |
| 2024 Nov | 0.00000453 | 3.44 | 0.00395 | 3.58 | 0.0976 | 0.00221 | 2.73 | 0.00533 | 0.00761 | 0.0000711 | 0.000777 | 0.000124 | 0.147 | 0.0000121 | 0.000425 | 0.0011 | 0.00269 | 0.00181 |
| 2024 Dec | 0.00000459 | 3.47 | 0.00396 | 3.63 | 0.0992 | 0.00223 | 2.75 | 0.00542 | 0.00763 | 0.0000728 | 0.000781 | 0.000132 | 0.148 | 0.000012 | 0.000436 | 0.00111 | 0.00269 | 0.00208 |
| 2025 Jan | 0.00000465 | 3.5 | 0.00397 | 3.67 | 0.101 | 0.00225 | 2.77 | 0.00545 | 0.00765 | 0.0000745 | 0.000782 | 0.00014 | 0.149 | 0.000012 | 0.000446 | 0.00113 | 0.0027 | 0.00234 |
| 2025 Feb | 0.0000047 | 3.53 | 0.00398 | 3.71 | 0.102 | 0.00226 | 2.8 | 0.00547 | 0.00768 | 0.0000762 | 0.000783 | 0.000147 | 0.15 | 0.0000119 | 0.000456 | 0.00114 | 0.00271 | 0.00259 |
| 2025 Mar | 0.00000475 | 3.56 | 0.00399 | 3.75 | 0.103 | 0.00227 | 2.82 | 0.00548 | 0.0077 | 0.0000778 | 0.000784 | 0.000154 | 0.151 | 0.0000118 | 0.000465 | 0.00116 | 0.00272 | 0.00285 |
| 2025 Apr | 0.00000481 | 3.59 | 0.004 | 3.79 | 0.104 | 0.00228 | 2.84 | 0.00549 | 0.00773 | 0.0000795 | 0.000785 | 0.000161 | 0.152 | 0.0000117 | 0.000476 | 0.00118 | 0.00272 | 0.00311 |
| 2025 May | 0.00000488 | 3.64 | 0.00402 | 3.85 | 0.106 | 0.00231 | 2.88 | 0.00552 | 0.00779 | 0.0000814 | 0.000789 | 0.000169 | 0.153 | 0.0000117 | 0.000487 | 0.00119 | 0.00274 | 0.00336 |
| 2025 Jun | 0.00000468 | 3.5 | 0.00393 | 3.68 | 0.101 | 0.00215 | 2.75 | 0.0052 | 0.00771 | 0.0000767 | 0.000725 | 0.000157 | 0.148 | 0.0000111 | 0.000457 | 0.00111 | 0.00264 | 0.0031 |
| 2025 Jul | 0.00000461 | 3.47 | 0.00394 | 3.63 | 0.0986 | 0.00207 | 2.7 | 0.00508 | 0.00779 | 0.0000746 | 0.000693 | 0.000151 | 0.147 | 0.0000108 | 0.000442 | 0.00108 | 0.00261 | 0.00295 |
| 2025 Aug | 0.00000464 | 3.49 | 0.00398 | 3.65 | 0.0991 | 0.00208 | 2.72 | 0.0051 | 0.00789 | 0.0000748 | 0.000691 | 0.000151 | 0.148 | 0.0000109 | 0.000443 | 0.00108 | 0.00262 | 0.00294 |
| 2025 Sep | 0.00000448 | 3.38 | 0.00389 | 3.52 | 0.0951 | 0.00197 | 2.62 | 0.00488 | 0.00777 | 0.0000715 | 0.000651 | 0.000143 | 0.144 | 0.0000105 | 0.000422 | 0.00102 | 0.00254 | 0.00276 |
| 2025 Oct | 0.00000443 | 3.34 | 0.00385 | 3.48 | 0.0937 | 0.00193 | 2.58 | 0.00485 | 0.00773 | 0.0000702 | 0.000632 | 0.00014 | 0.142 | 0.0000103 | 0.000413 | 0.001 | 0.0025 | 0.0027 |
| 2025 Nov | 0.00000448 | 3.37 | 0.00386 | 3.54 | 0.0953 | 0.00197 | 2.6 | 0.00511 | 0.00774 | 0.0000715 | 0.000635 | 0.000147 | 0.142 | 0.0000102 | 0.000422 | 0.00101 | 0.00251 | 0.00289 |
| 2025 Dec | 0.00000454 | 3.4 | 0.00387 | 3.6 | 0.0969 | 0.002 | 2.62 | 0.00523 | 0.00776 | 0.0000732 | 0.000639 | 0.000155 | 0.143 | 0.0000102 | 0.000432 | 0.00103 | 0.00252 | 0.00312 |
| 2026 Jan | 0.0000046 | 3.43 | 0.00388 | 3.64 | 0.0984 | 0.00202 | 2.65 | 0.00528 | 0.00778 | 0.0000749 | 0.000642 | 0.000162 | 0.144 | 0.0000101 | 0.000442 | 0.00105 | 0.00253 | 0.00338 |
| 2026 Feb | 0.00000465 | 3.46 | 0.00389 | 3.68 | 0.0997 | 0.00203 | 2.68 | 0.0053 | 0.0078 | 0.0000765 | 0.000645 | 0.000169 | 0.145 | 0.0000101 | 0.000452 | 0.00106 | 0.00254 | 0.00361 |
| 2026 Mar | 0.0000047 | 3.49 | 0.0039 | 3.72 | 0.101 | 0.00205 | 2.7 | 0.00532 | 0.00783 | 0.0000782 | 0.000648 | 0.000176 | 0.146 | 0.00000999 | 0.000462 | 0.00108 | 0.00255 | 0.00385 |
| 2026 Apr | 0.00000476 | 3.52 | 0.00391 | 3.77 | 0.102 | 0.00207 | 2.73 | 0.00533 | 0.00785 | 0.0000799 | 0.000652 | 0.000183 | 0.147 | 0.00000994 | 0.000472 | 0.0011 | 0.00256 | 0.00409 |
| 2026 May | 0.00000481 | 3.56 | 0.00393 | 3.81 | 0.104 | 0.00208 | 2.76 | 0.00535 | 0.0079 | 0.0000815 | 0.000655 | 0.000189 | 0.149 | 0.0000099 | 0.000482 | 0.00111 | 0.00258 | 0.00431 |
| 2026 Jun | 0.00000452 | 3.37 | 0.0038 | 3.57 | 0.0962 | 0.00188 | 2.58 | 0.00492 | 0.00775 | 0.0000746 | 0.000581 | 0.00017 | 0.141 | 0.00000927 | 0.000438 | 0.00101 | 0.00244 | 0.00381 |
| 2026 Jul | 0.00000452 | 3.37 | 0.00383 | 3.57 | 0.0958 | 0.00187 | 2.57 | 0.0049 | 0.00783 | 0.0000741 | 0.000573 | 0.000168 | 0.142 | 0.00000926 | 0.000434 | 0.000998 | 0.00244 | 0.00375 |
| 2026 Aug | 0.00000452 | 3.38 | 0.00385 | 3.57 | 0.0957 | 0.00186 | 2.57 | 0.00489 | 0.00788 | 0.0000739 | 0.000568 | 0.000166 | 0.142 | 0.00000927 | 0.000432 | 0.000993 | 0.00245 | 0.00371 |
| 2026 Sep | 0.00000452 | 3.37 | 0.00385 | 3.56 | 0.0954 | 0.00185 | 2.57 | 0.00487 | 0.0079 | 0.0000735 | 0.000564 | 0.000165 | 0.142 | 0.00000925 | 0.00043 | 0.000988 | 0.00245 | 0.00368 |
| 2026 Oct | 0.00000453 | 3.38 | 0.00385 | 3.58 | 0.0956 | 0.00185 | 2.57 | 0.0049 | 0.00791 | 0.0000738 | 0.000564 | 0.000166 | 0.142 | 0.00000925 | 0.000432 | 0.00099 | 0.00245 | 0.0037 |
| 2026 Nov | 0.00000458 | 3.4 | 0.00386 | 3.62 | 0.0969 | 0.00188 | 2.6 | 0.00506 | 0.00792 | 0.0000752 | 0.000568 | 0.000173 | 0.143 | 0.00000922 | 0.00044 | 0.00101 | 0.00246 | 0.00387 |
| 2026 Dec | 0.00000464 | 3.43 | 0.00387 | 3.66 | 0.098 | 0.0019 | 2.62 | 0.00514 | 0.00793 | 0.0000768 | 0.000571 | 0.000179 | 0.144 | 0.00000917 | 0.000449 | 0.00102 | 0.00247 | 0.00404 |
| 2027 Jan | 0.00000469 | 3.45 | 0.00388 | 3.7 | 0.0991 | 0.00192 | 2.64 | 0.00517 | 0.00794 | 0.0000785 | 0.000574 | 0.000185 | 0.145 | 0.00000913 | 0.000458 | 0.00104 | 0.00248 | 0.00422 |
| 2027 Feb | 0.00000474 | 3.48 | 0.00389 | 3.73 | 0.1 | 0.00193 | 2.66 | 0.00519 | 0.00795 | 0.00008 | 0.000577 | 0.000191 | 0.146 | 0.00000908 | 0.000466 | 0.00106 | 0.00249 | 0.0044 |
| 2027 Mar | 0.00000479 | 3.5 | 0.00389 | 3.76 | 0.101 | 0.00194 | 2.68 | 0.0052 | 0.00796 | 0.0000816 | 0.00058 | 0.000196 | 0.146 | 0.00000904 | 0.000475 | 0.00108 | 0.0025 | 0.00457 |
| 2027 Apr | 0.00000484 | 3.53 | 0.00391 | 3.8 | 0.102 | 0.00196 | 2.7 | 0.00522 | 0.00798 | 0.0000832 | 0.000583 | 0.000202 | 0.147 | 0.000009 | 0.000484 | 0.00109 | 0.00251 | 0.00475 |
| 2027 May | 0.00000489 | 3.55 | 0.00392 | 3.83 | 0.103 | 0.00196 | 2.72 | 0.00523 | 0.00801 | 0.0000846 | 0.000584 | 0.000207 | 0.148 | 0.00000896 | 0.000491 | 0.00111 | 0.00253 | 0.0049 |
| 2027 Jun | 0.00000444 | 3.26 | 0.00371 | 3.47 | 0.0923 | 0.0017 | 2.46 | 0.00463 | 0.00771 | 0.0000741 | 0.000491 | 0.000176 | 0.137 | 0.00000819 | 0.000426 | 0.000959 | 0.00233 | 0.00408 |
| 2027 Jul | 0.00000432 | 3.18 | 0.00367 | 3.37 | 0.0889 | 0.00162 | 2.38 | 0.00445 | 0.00768 | 0.0000707 | 0.00046 | 0.000165 | 0.134 | 0.00000798 | 0.000405 | 0.00091 | 0.00227 | 0.0038 |
| 2027 Aug | 0.00000433 | 3.2 | 0.00369 | 3.38 | 0.089 | 0.00161 | 2.39 | 0.00445 | 0.00775 | 0.0000706 | 0.000458 | 0.000165 | 0.135 | 0.00000801 | 0.000404 | 0.000907 | 0.00228 | 0.00377 |
| 2027 Sep | 0.00000422 | 3.12 | 0.00364 | 3.29 | 0.0864 | 0.00155 | 2.33 | 0.00431 | 0.00767 | 0.0000682 | 0.000437 | 0.000157 | 0.132 | 0.00000783 | 0.000389 | 0.000873 | 0.00223 | 0.00358 |
| 2027 Oct | 0.00000414 | 3.07 | 0.00359 | 3.23 | 0.0845 | 0.00151 | 2.28 | 0.00424 | 0.00759 | 0.0000664 | 0.000421 | 0.000152 | 0.13 | 0.00000768 | 0.000378 | 0.000847 | 0.0022 | 0.00344 |
| 2027 Nov | 0.0000042 | 3.1 | 0.0036 | 3.29 | 0.0864 | 0.00155 | 2.3 | 0.0045 | 0.0076 | 0.0000676 | 0.000428 | 0.000159 | 0.131 | 0.00000768 | 0.000386 | 0.000862 | 0.00221 | 0.00358 |
| 2027 Dec | 0.00000427 | 3.13 | 0.00361 | 3.34 | 0.0883 | 0.00158 | 2.33 | 0.00466 | 0.00761 | 0.0000693 | 0.000434 | 0.000165 | 0.132 | 0.00000767 | 0.000396 | 0.00088 | 0.00222 | 0.00375 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000433 | 3.16 | 0.00362 | 3.38 | 0.0897 | 0.0016 | 2.35 | 0.00472 | 0.00762 | 0.000071 | 0.00044 | 0.000172 | 0.133 | 0.00000765 | 0.000406 | 0.0009 | 0.00224 | 0.00393 |
| 2028 Feb | 0.00000438 | 3.19 | 0.00363 | 3.42 | 0.091 | 0.00162 | 2.38 | 0.00476 | 0.00764 | 0.0000727 | 0.000445 | 0.000178 | 0.134 | 0.00000762 | 0.000415 | 0.000919 | 0.00225 | 0.00412 |
| 2028 Mar | 0.00000444 | 3.22 | 0.00364 | 3.46 | 0.0922 | 0.00164 | 2.4 | 0.00478 | 0.00765 | 0.0000743 | 0.000449 | 0.000184 | 0.135 | 0.0000076 | 0.000424 | 0.000937 | 0.00226 | 0.00429 |
| 2028 Apr | 0.00000449 | 3.25 | 0.00366 | 3.5 | 0.0935 | 0.00166 | 2.42 | 0.0048 | 0.00767 | 0.000076 | 0.000454 | 0.00019 | 0.136 | 0.00000758 | 0.000434 | 0.000956 | 0.00228 | 0.00448 |
| 2028 May | 0.00000456 | 3.28 | 0.00368 | 3.54 | 0.0948 | 0.00168 | 2.45 | 0.00483 | 0.00771 | 0.0000777 | 0.00046 | 0.000195 | 0.137 | 0.00000758 | 0.000443 | 0.000976 | 0.0023 | 0.00465 |
| 2028 Jun | 0.00000429 | 3.12 | 0.00357 | 3.33 | 0.0882 | 0.00153 | 2.31 | 0.00447 | 0.00757 | 0.0000712 | 0.000409 | 0.000175 | 0.131 | 0.00000723 | 0.000404 | 0.000887 | 0.00219 | 0.0041 |
| 2028 Jul | 0.00000424 | 3.09 | 0.00357 | 3.28 | 0.0866 | 0.00148 | 2.28 | 0.00437 | 0.00761 | 0.0000694 | 0.000394 | 0.000168 | 0.13 | 0.00000718 | 0.000392 | 0.000861 | 0.00217 | 0.00391 |
| 2028 Aug | 0.00000427 | 3.12 | 0.00362 | 3.31 | 0.0871 | 0.00149 | 2.3 | 0.0044 | 0.00771 | 0.0000697 | 0.000394 | 0.000169 | 0.131 | 0.00000725 | 0.000394 | 0.000864 | 0.00219 | 0.00391 |
| 2028 Sep | 0.00000423 | 3.09 | 0.00361 | 3.28 | 0.0862 | 0.00147 | 2.28 | 0.00435 | 0.0077 | 0.0000687 | 0.000386 | 0.000165 | 0.131 | 0.0000072 | 0.000388 | 0.00085 | 0.00218 | 0.00382 |
| 2028 Oct | 0.00000412 | 3.02 | 0.00355 | 3.19 | 0.0835 | 0.00141 | 2.22 | 0.0042 | 0.00762 | 0.0000661 | 0.000367 | 0.000157 | 0.128 | 0.00000705 | 0.000372 | 0.000815 | 0.00213 | 0.00361 |
| 2028 Nov | 0.00000411 | 3.02 | 0.00355 | 3.18 | 0.0832 | 0.0014 | 2.21 | 0.00418 | 0.00762 | 0.0000658 | 0.000364 | 0.000156 | 0.128 | 0.00000703 | 0.00037 | 0.000811 | 0.00213 | 0.00358 |
| 2028 Dec | 0.00000411 | 3.02 | 0.00355 | 3.18 | 0.0832 | 0.0014 | 2.21 | 0.00418 | 0.00762 | 0.0000657 | 0.000364 | 0.000156 | 0.128 | 0.00000703 | 0.00037 | 0.00081 | 0.00213 | 0.00357 |
| 2029 Jan | 0.00000411 | 3.02 | 0.00355 | 3.18 | 0.0832 | 0.0014 | 2.21 | 0.00418 | 0.00762 | 0.0000657 | 0.000364 | 0.000156 | 0.128 | 0.00000703 | 0.00037 | 0.00081 | 0.00213 | 0.00357 |
| 2029 Feb | 0.00000411 | 3.02 | 0.00355 | 3.18 | 0.0832 | 0.0014 | 2.21 | 0.00418 | 0.00761 | 0.0000657 | 0.000364 | 0.000156 | 0.128 | 0.00000703 | 0.00037 | 0.00081 | 0.00213 | 0.00357 |
| 2029 Mar | 0.00000411 | 3.02 | 0.00355 | 3.18 | 0.0832 | 0.0014 | 2.21 | 0.00418 | 0.00762 | 0.0000657 | 0.000364 | 0.000156 | 0.128 | 0.00000703 | 0.00037 | 0.00081 | 0.00213 | 0.00357 |
| 2029 Apr | 0.00000411 | 3.02 | 0.00355 | 3.18 | 0.0832 | 0.0014 | 2.21 | 0.00418 | 0.00762 | 0.0000657 | 0.000364 | 0.000156 | 0.128 | 0.00000703 | 0.00037 | 0.00081 | 0.00213 | 0.00357 |
| 2029 May | 0.00000412 | 3.02 | 0.00356 | 3.19 | 0.0833 | 0.0014 | 2.21 | 0.00419 | 0.00763 | 0.0000658 | 0.000365 | 0.000156 | 0.128 | 0.00000705 | 0.00037 | 0.000812 | 0.00213 | 0.00358 |
| 2029 Jun | 0.00000391 | 2.89 | 0.00346 | 3.03 | 0.0779 | 0.00128 | 2.1 | 0.0039 | 0.00749 | 0.0000613 | 0.000326 | 0.00014 | 0.123 | 0.00000679 | 0.000339 | 0.000742 | 0.00205 | 0.00314 |
| 2029 Jul | 0.00000367 | 2.72 | 0.00333 | 2.83 | 0.0711 | 0.00113 | 1.96 | 0.00354 | 0.00731 | 0.0000561 | 0.000278 | 0.00012 | 0.116 | 0.00000649 | 0.000299 | 0.000657 | 0.00196 | 0.0026 |
| 2029 Aug | 0.00000365 | 2.71 | 0.00333 | 2.81 | 0.0701 | 0.00111 | 1.94 | 0.00349 | 0.00732 | 0.0000554 | 0.00027 | 0.000117 | 0.115 | 0.00000647 | 0.000293 | 0.000644 | 0.00196 | 0.0025 |
| 2029 Sep | 0.0000036 | 2.67 | 0.0033 | 2.77 | 0.0686 | 0.00108 | 1.91 | 0.00342 | 0.00727 | 0.0000542 | 0.00026 | 0.000113 | 0.114 | 0.00000641 | 0.000284 | 0.000627 | 0.00194 | 0.00239 |
| 2029 Oct | 0.00000359 | 2.66 | 0.00328 | 2.75 | 0.068 | 0.00107 | 1.9 | 0.00339 | 0.00725 | 0.0000539 | 0.000257 | 0.000112 | 0.113 | 0.0000064 | 0.000281 | 0.000621 | 0.00193 | 0.00235 |
| 2029 Nov | 0.00000359 | 2.66 | 0.00328 | 2.75 | 0.068 | 0.00107 | 1.9 | 0.00339 | 0.00725 | 0.000054 | 0.000257 | 0.000111 | 0.113 | 0.0000064 | 0.000281 | 0.000621 | 0.00193 | 0.00235 |
| 2029 Dec | 0.00000359 | 2.66 | 0.00328 | 2.75 | 0.068 | 0.00107 | 1.9 | 0.00339 | 0.00725 | 0.000054 | 0.000257 | 0.000111 | 0.113 | 0.0000064 | 0.000281 | 0.000621 | 0.00193 | 0.00235 |
| 2030 Jan | 0.00000359 | 2.66 | 0.00328 | 2.75 | 0.068 | 0.00107 | 1.9 | 0.00339 | 0.00725 | 0.000054 | 0.000257 | 0.000111 | 0.113 | 0.0000064 | 0.000281 | 0.000621 | 0.00193 | 0.00235 |
| 2030 Feb | 0.00000359 | 2.66 | 0.00328 | 2.75 | 0.068 | 0.00107 | 1.9 | 0.00339 | 0.00725 | 0.000054 | 0.000257 | 0.000111 | 0.113 | 0.0000064 | 0.000281 | 0.000621 | 0.00193 | 0.00235 |
| 2030 Mar | 0.00000359 | 2.66 | 0.00328 | 2.75 | 0.068 | 0.00107 | 1.9 | 0.00339 | 0.00725 | 0.000054 | 0.000257 | 0.000111 | 0.113 | 0.0000064 | 0.000281 | 0.000621 | 0.00193 | 0.00235 |
| 2030 Apr | 0.00000359 | 2.66 | 0.00328 | 2.75 | 0.068 | 0.00107 | 1.9 | 0.00339 | 0.00725 | 0.000054 | 0.000257 | 0.000111 | 0.113 | 0.0000064 | 0.000281 | 0.000621 | 0.00193 | 0.00235 |
| 2030 May | 0.00000359 | 2.66 | 0.00328 | 2.75 | 0.068 | 0.00107 | 1.9 | 0.00339 | 0.00725 | 0.000054 | 0.000257 | 0.000111 | 0.113 | 0.0000064 | 0.000281 | 0.000621 | 0.00193 | 0.00235 |
| 2030 Jun | 0.00000339 | 2.51 | 0.00314 | 2.58 | 0.0621 | 0.000948 | 1.79 | 0.00309 | 0.00701 | 0.0000496 | 0.000221 | 0.0000966 | 0.107 | 0.00000614 | 0.00025 | 0.000556 | 0.00185 | 0.00194 |
| 2030 Jul | 0.00000332 | 2.44 | 0.00306 | 2.52 | 0.0592 | 0.000892 | 1.74 | 0.00296 | 0.00687 | 0.000048 | 0.000206 | 0.0000901 | 0.104 | 0.00000605 | 0.000235 | 0.000529 | 0.00183 | 0.00176 |
| 2030 Aug | 0.0000033 | 2.41 | 0.00304 | 2.49 | 0.0581 | 0.000869 | 1.72 | 0.0029 | 0.00683 | 0.0000474 | 0.000199 | 0.0000874 | 0.103 | 0.00000604 | 0.000229 | 0.000518 | 0.00182 | 0.00169 |
| 2030 Sep | 0.00000329 | 2.4 | 0.00302 | 2.48 | 0.0576 | 0.000858 | 1.71 | 0.00288 | 0.00682 | 0.0000472 | 0.000196 | 0.0000862 | 0.102 | 0.00000603 | 0.000226 | 0.000514 | 0.00182 | 0.00165 |
| 2030 Oct | 0.00000326 | 2.37 | 0.00299 | 2.45 | 0.0565 | 0.000838 | 1.69 | 0.00283 | 0.00675 | 0.0000467 | 0.000191 | 0.0000839 | 0.101 | 0.00000599 | 0.000221 | 0.000503 | 0.00181 | 0.00159 |
| 2030 Nov | 0.00000323 | 2.35 | 0.00295 | 2.43 | 0.0556 | 0.000824 | 1.67 | 0.00279 | 0.00668 | 0.0000471 | 0.000188 | 0.0000825 | 0.0997 | 0.00000595 | 0.000217 | 0.000497 | 0.0018 | 0.00155 |
| 2030 Dec | 0.00000323 | 2.35 | 0.00295 | 2.43 | 0.0555 | 0.000823 | 1.67 | 0.00279 | 0.00667 | 0.0000472 | 0.000188 | 0.0000825 | 0.0996 | 0.00000595 | 0.000217 | 0.000497 | 0.0018 | 0.00155 |
| 2031 Jan | 0.00000323 | 2.35 | 0.00295 | 2.43 | 0.0555 | 0.000823 | 1.67 | 0.00279 | 0.00667 | 0.0000472 | 0.000187 | 0.0000825 | 0.0996 | 0.00000595 | 0.000217 | 0.000497 | 0.0018 | 0.00155 |
| 2031 Feb | 0.00000323 | 2.35 | 0.00295 | 2.43 | 0.0555 | 0.000823 | 1.67 | 0.00279 | 0.00667 | 0.0000472 | 0.000187 | 0.0000825 | 0.0996 | 0.00000595 | 0.000217 | 0.000497 | 0.0018 | 0.00155 |
| 2031 Mar | 0.00000323 | 2.35 | 0.00295 | 2.43 | 0.0555 | 0.000823 | 1.67 | 0.00279 | 0.00667 | 0.0000472 | 0.000187 | 0.0000825 | 0.0996 | 0.00000595 | 0.000217 | 0.000497 | 0.0018 | 0.00155 |
| 2031 Apr | 0.00000324 | 2.35 | 0.00295 | 2.43 | 0.0556 | 0.000824 | 1.67 | 0.00279 | 0.00667 | 0.0000473 | 0.000188 | 0.0000826 | 0.0997 | 0.00000596 | 0.000217 | 0.000498 | 0.0018 | 0.00156 |
| 2031 May | 0.00000324 | 2.35 | 0.00296 | 2.43 | 0.0554 | 0.000819 | 1.67 | 0.00278 | 0.00669 | 0.0000472 | 0.000186 | 0.0000818 | 0.0997 | 0.00000596 | 0.000216 | 0.000495 | 0.0018 | 0.00153 |
| 2031 Jun | 0.00000312 | 2.24 | 0.00284 | 2.32 | 0.0514 | 0.000744 | 1.59 | 0.00259 | 0.00645 | 0.0000471 | 0.000166 | 0.0000733 | 0.0949 | 0.00000582 | 0.000197 | 0.000458 | 0.00176 | 0.0013 |
| 2031 Jul | 0.00000316 | 2.26 | 0.00286 | 2.34 | 0.0516 | 0.000745 | 1.61 | 0.0026 | 0.00651 | 0.000048 | 0.000166 | 0.0000734 | 0.0955 | 0.00000589 | 0.000197 | 0.000461 | 0.00178 | 0.00129 |
| 2031 Aug | 0.00000316 | 2.27 | 0.00287 | 2.35 | 0.0516 | 0.000741 | 1.61 | 0.0026 | 0.00655 | 0.0000478 | 0.000164 | 0.0000726 | 0.0959 | 0.0000059 | 0.000196 | 0.000458 | 0.00179 | 0.00127 |
| 2031 Sep | 0.0000031 | 2.21 | 0.00281 | 2.29 | 0.0498 | 0.000709 | 1.57 | 0.00251 | 0.00643 | 0.000047 | 0.000155 | 0.0000688 | 0.0936 | 0.00000581 | 0.000187 | 0.000441 | 0.00176 | 0.00117 |
| 2031 Oct | 0.00000307 | 2.17 | 0.00276 | 2.26 | 0.0485 | 0.000687 | 1.54 | 0.00245 | 0.00631 | 0.0000474 | 0.00015 | 0.0000668 | 0.0917 | 0.00000577 | 0.000182 | 0.000432 | 0.00175 | 0.00112 |
| 2031 Nov | 0.00000306 | 2.16 | 0.00274 | 2.25 | 0.0481 | 0.000682 | 1.54 | 0.00244 | 0.00627 | 0.000048 | 0.000149 | 0.0000665 | 0.0911 | 0.00000576 | 0.00018 | 0.00043 | 0.00175 | 0.00111 |
| 2031 Dec | 0.00000306 | 2.16 | 0.00274 | 2.25 | 0.048 | 0.000681 | 1.54 | 0.00244 | 0.00626 | 0.0000481 | 0.000149 | 0.0000665 | 0.091 | 0.00000576 | 0.00018 | 0.00043 | 0.00175 | 0.00111 |
| 2032 Jan | 0.00000306 | 2.16 | 0.00274 | 2.25 | 0.048 | 0.000681 | 1.54 | 0.00244 | 0.00626 | 0.0000481 | 0.000149 | 0.0000665 | 0.091 | 0.00000576 | 0.00018 | 0.00043 | 0.00175 | 0.00111 |
| 2032 Feb | 0.00000306 | 2.16 | 0.00274 | 2.25 | 0.048 | 0.000681 | 1.54 | 0.00244 | 0.00626 | 0.0000481 | 0.000149 | 0.0000665 | 0.091 | 0.00000576 | 0.00018 | 0.00043 | 0.00175 | 0.00111 |
| 2032 Mar | 0.00000306 | 2.16 | 0.00274 | 2.25 | 0.048 | 0.000681 | 1.54 | 0.00244 | 0.00626 | 0.0000481 | 0.000149 | 0.0000665 | 0.091 | 0.00000576 | 0.00018 | 0.00043 | 0.00175 | 0.00111 |
| 2032 Apr | 0.00000306 | 2.16 | 0.00274 | 2.25 | 0.048 | 0.000681 | 1.54 | 0.00244 | 0.00627 | 0.0000482 | 0.000149 | 0.0000665 | 0.091 | 0.00000576 | 0.00018 | 0.00043 | 0.00175 | 0.00111 |
| 2032 May | 0.00000307 | 2.17 | 0.00274 | 2.25 | 0.0481 | 0.000683 | 1.54 | 0.00244 | 0.00628 | 0.0000483 | 0.00015 | 0.0000667 | 0.0912 | 0.00000577 | 0.000181 | 0.000431 | 0.00175 | 0.00111 |
| 2032 Jun | 0.00000297 | 2.08 | 0.00264 | 2.16 | 0.0449 | 0.000624 | 1.48 | 0.00229 | 0.00607 | 0.0000485 | 0.000134 | 0.0000601 | 0.0872 | 0.00000564 | 0.000165 | 0.000402 | 0.00171 | 0.000937 |
| 2032 Jul | 0.00000292 | 2.02 | 0.00255 | 2.11 | 0.0426 | 0.000587 | 1.44 | 0.00219 | 0.0059 | 0.0000491 | 0.000126 | 0.0000566 | 0.0842 | 0.00000557 | 0.000156 | 0.000387 | 0.00169 | 0.000844 |
| 2032 Aug | 0.00000293 | 2.02 | 0.00255 | 2.11 | 0.0424 | 0.000582 | 1.44 | 0.00218 | 0.0059 | 0.0000493 | 0.000124 | 0.0000559 | 0.0841 | 0.00000558 | 0.000154 | 0.000385 | 0.0017 | 0.000823 |
| 2032 Sep | 0.00000293 | 2.01 | 0.00254 | 2.11 | 0.0422 | 0.000577 | 1.44 | 0.00217 | 0.0059 | 0.0000493 | 0.000123 | 0.0000554 | 0.0839 | 0.00000559 | 0.000153 | 0.000383 | 0.0017 | 0.000806 |
| 2032 Oct | 0.00000292 | 2.01 | 0.00254 | 2.1 | 0.042 | 0.000573 | 1.43 | 0.00217 | 0.00589 | 0.0000494 | 0.000122 | 0.000055 | 0.0836 | 0.00000558 | 0.000152 | 0.000381 | 0.0017 | 0.000796 |
| 2032 Nov | 0.00000292 | 2.01 | 0.00253 | 2.1 | 0.0419 | 0.000572 | 1.43 | 0.00216 | 0.00588 | 0.0000495 | 0.000122 | 0.000055 | 0.0835 | 0.00000558 | 0.000152 | 0.000381 | 0.0017 | 0.000794 |
| 2032 Dec | 0.00000292 | 2.01 | 0.00253 | 2.1 | 0.0419 | 0.000572 | 1.43 | 0.00216 | 0.00588 | 0.0000495 | 0.000122 | 0.000055 | 0.0835 | 0.00000559 | 0.000152 | 0.000381 | 0.0017 | 0.000794 |
| 2033 Jan | 0.00000292 | 2.01 | 0.00253 | 2.1 | 0.0419 | 0.000572 | 1.43 | 0.00216 | 0.00588 | 0.0000495 | 0.000122 | 0.000055 | 0.0835 | 0.00000559 | 0.000152 | 0.000381 | 0.0017 | 0.000794 |
| 2033 Feb | 0.00000292 | 2.01 | 0.00253 | 2.1 | 0.0419 | 0.000572 | 1.43 | 0.00216 | 0.00588 | 0.0000495 | 0.000122 | 0.000055 | 0.0835 | 0.00000559 | 0.000152 | 0.000381 | 0.0017 | 0.000794 |
| 2033 Mar | 0.00000292 | 2.01 | 0.00253 | 2.1 | 0.0419 | 0.000572 | 1.43 | 0.00216 | 0.00588 | 0.0000495 | 0.000122 | 0.000055 | 0.0835 | 0.00000559 | 0.000152 | 0.000381 | 0.0017 | 0.000794 |
| 2033 Apr | 0.00000293 | 2.01 | 0.00254 | 2.11 | 0.0419 | 0.000572 | 1.43 | 0.00216 | 0.00588 | 0.0000495 | 0.000122 | 0.000055 | 0.0836 | 0.00000559 | 0.000152 | 0.000382 | 0.0017 | 0.000795 |
| 2033 May | 0.0000029 | 1.99 | 0.00253 | 2.09 | 0.0413 | 0.000559 | 1.42 | 0.00213 | 0.00587 | 0.000049 | 0.000118 | 0.0000533 | 0.083 | 0.00000556 | 0.000148 | 0.000374 | 0.00169 | 0.000748 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 0.00000282 | 1.9 | 0.0024 | 2 | 0.0383 | 0.00051 | 1.36 | 0.002 | 0.00561 | 0.000048 | 0.000107 | 0.0000485 | 0.0787 | 0.00000543 | 0.000136 | 0.000352 | 0.00165 | 0.000626 |
| 2033 Jul | 0.00000284 | 1.91 | 0.00241 | 2.01 | 0.0382 | 0.000508 | 1.36 | 0.002 | 0.00562 | 0.0000483 | 0.000106 | 0.0000483 | 0.0788 | 0.00000547 | 0.000135 | 0.000352 | 0.00167 | 0.000615 |
| 2033 Aug | 0.00000286 | 1.92 | 0.00243 | 2.03 | 0.0384 | 0.000509 | 1.37 | 0.00201 | 0.00568 | 0.0000484 | 0.000106 | 0.0000482 | 0.0795 | 0.00000551 | 0.000135 | 0.000353 | 0.00168 | 0.000606 |
| 2033 Sep | 0.00000283 | 1.91 | 0.00242 | 2 | 0.0379 | 0.000499 | 1.36 | 0.00198 | 0.00564 | 0.0000475 | 0.000102 | 0.0000469 | 0.0788 | 0.00000547 | 0.000133 | 0.000347 | 0.00167 | 0.000572 |
| 2033 Oct | 0.00000281 | 1.88 | 0.00238 | 1.98 | 0.0371 | 0.000485 | 1.34 | 0.00194 | 0.00556 | 0.0000476 | 0.0000994 | 0.0000456 | 0.0775 | 0.00000543 | 0.000129 | 0.000341 | 0.00165 | 0.00054 |
| 2033 Nov | 0.0000028 | 1.86 | 0.00235 | 1.97 | 0.0365 | 0.000478 | 1.33 | 0.00192 | 0.00549 | 0.0000488 | 0.0000986 | 0.0000452 | 0.0765 | 0.00000542 | 0.000127 | 0.000339 | 0.00165 | 0.00053 |
| 2033 Dec | 0.0000028 | 1.86 | 0.00234 | 1.97 | 0.0364 | 0.000477 | 1.33 | 0.00192 | 0.00548 | 0.000049 | 0.0000986 | 0.0000452 | 0.0764 | 0.00000542 | 0.000127 | 0.000339 | 0.00165 | 0.00053 |
| 2034 Jan | 0.0000028 | 1.86 | 0.00234 | 1.97 | 0.0364 | 0.000477 | 1.33 | 0.00192 | 0.00548 | 0.000049 | 0.0000985 | 0.0000452 | 0.0764 | 0.00000542 | 0.000127 | 0.000339 | 0.00165 | 0.00053 |
| 2034 Feb | 0.0000028 | 1.86 | 0.00234 | 1.97 | 0.0364 | 0.000477 | 1.33 | 0.00192 | 0.00548 | 0.0000491 | 0.0000985 | 0.0000452 | 0.0764 | 0.00000542 | 0.000127 | 0.000339 | 0.00165 | 0.000529 |
| 2034 Mar | 0.0000028 | 1.86 | 0.00234 | 1.97 | 0.0364 | 0.000477 | 1.33 | 0.00192 | 0.00548 | 0.0000491 | 0.0000985 | 0.0000452 | 0.0764 | 0.00000542 | 0.000127 | 0.000339 | 0.00165 | 0.000529 |
| 2034 Apr | 0.0000028 | 1.86 | 0.00234 | 1.97 | 0.0364 | 0.000477 | 1.33 | 0.00192 | 0.00548 | 0.0000491 | 0.0000986 | 0.0000452 | 0.0764 | 0.00000542 | 0.000127 | 0.000339 | 0.00165 | 0.00053 |
| 2034 May | 0.0000028 | 1.86 | 0.00235 | 1.97 | 0.0365 | 0.000477 | 1.33 | 0.00192 | 0.00551 | 0.0000492 | 0.0000982 | 0.0000451 | 0.0767 | 0.00000544 | 0.000127 | 0.000339 | 0.00166 | 0.000524 |
| 2034 Jun | 0.00000275 | 1.81 | 0.00229 | 1.92 | 0.0347 | 0.000446 | 1.3 | 0.00184 | 0.00536 | 0.0000509 | 0.0000907 | 0.0000418 | 0.0742 | 0.00000535 | 0.000119 | 0.000324 | 0.00164 | 0.000441 |
| 2034 Jul | 0.00000277 | 1.81 | 0.00229 | 1.93 | 0.0346 | 0.000444 | 1.3 | 0.00184 | 0.00536 | 0.0000519 | 0.0000907 | 0.0000419 | 0.0742 | 0.00000539 | 0.000119 | 0.000325 | 0.00165 | 0.000435 |
| 2034 Aug | 0.0000028 | 1.84 | 0.00232 | 1.95 | 0.035 | 0.000449 | 1.32 | 0.00186 | 0.00543 | 0.0000524 | 0.0000914 | 0.0000422 | 0.0752 | 0.00000546 | 0.00012 | 0.000329 | 0.00167 | 0.000435 |
| 2034 Sep | 0.00000279 | 1.84 | 0.00233 | 1.94 | 0.0351 | 0.000448 | 1.31 | 0.00186 | 0.00546 | 0.0000518 | 0.00009 | 0.0000416 | 0.0754 | 0.00000544 | 0.000119 | 0.000326 | 0.00166 | 0.000421 |
| 2034 Oct | 0.00000276 | 1.82 | 0.00231 | 1.92 | 0.0346 | 0.000439 | 1.3 | 0.00183 | 0.00541 | 0.0000515 | 0.0000878 | 0.0000407 | 0.0746 | 0.0000054 | 0.000117 | 0.000321 | 0.00165 | 0.000399 |
| 2034 Nov | 0.00000276 | 1.81 | 0.00229 | 1.92 | 0.0343 | 0.000436 | 1.3 | 0.00182 | 0.00538 | 0.0000521 | 0.0000877 | 0.0000406 | 0.0742 | 0.0000054 | 0.000116 | 0.000321 | 0.00165 | 0.000398 |
| 2034 Dec | 0.00000276 | 1.81 | 0.00229 | 1.92 | 0.0343 | 0.000436 | 1.3 | 0.00182 | 0.00537 | 0.0000522 | 0.0000877 | 0.0000406 | 0.0741 | 0.0000054 | 0.000116 | 0.000321 | 0.00165 | 0.000397 |
| 2035 Jan | 0.00000276 | 1.81 | 0.00229 | 1.92 | 0.0343 | 0.000436 | 1.3 | 0.00182 | 0.00537 | 0.0000522 | 0.0000877 | 0.0000406 | 0.0741 | 0.0000054 | 0.000116 | 0.000321 | 0.00165 | 0.000397 |
| 2035 Feb | 0.00000276 | 1.81 | 0.00229 | 1.92 | 0.0343 | 0.000436 | 1.3 | 0.00182 | 0.00537 | 0.0000522 | 0.0000877 | 0.0000406 | 0.0741 | 0.0000054 | 0.000116 | 0.000321 | 0.00165 | 0.000397 |
| 2035 Mar | 0.00000276 | 1.81 | 0.00229 | 1.92 | 0.0343 | 0.000436 | 1.3 | 0.00182 | 0.00537 | 0.0000522 | 0.0000877 | 0.0000406 | 0.0741 | 0.0000054 | 0.000116 | 0.000321 | 0.00165 | 0.000397 |
| 2035 Apr | 0.00000277 | 1.81 | 0.00229 | 1.92 | 0.0343 | 0.000436 | 1.3 | 0.00182 | 0.00538 | 0.0000522 | 0.0000877 | 0.0000407 | 0.0742 | 0.0000054 | 0.000116 | 0.000321 | 0.00165 | 0.000398 |
| 2035 May | 0.00000278 | 1.82 | 0.0023 | 1.93 | 0.0345 | 0.000438 | 1.3 | 0.00183 | 0.0054 | 0.0000524 | 0.000088 | 0.0000408 | 0.0745 | 0.00000542 | 0.000117 | 0.000322 | 0.00166 | 0.000399 |
| 2035 Jun | 0.00000272 | 1.77 | 0.00224 | 1.88 | 0.0329 | 0.000412 | 1.27 | 0.00176 | 0.00526 | 0.0000521 | 0.0000815 | 0.000038 | 0.0722 | 0.00000532 | 0.00011 | 0.000309 | 0.00163 | 0.000331 |
| 2035 Jul | 0.00000273 | 1.77 | 0.00223 | 1.88 | 0.0325 | 0.000407 | 1.27 | 0.00175 | 0.00524 | 0.000053 | 0.000081 | 0.0000379 | 0.0719 | 0.00000536 | 0.000109 | 0.000309 | 0.00164 | 0.00032 |
| 2035 Aug | 0.00000275 | 1.78 | 0.00225 | 1.9 | 0.0329 | 0.00041 | 1.28 | 0.00176 | 0.00531 | 0.0000531 | 0.000081 | 0.0000379 | 0.0727 | 0.0000054 | 0.00011 | 0.000311 | 0.00166 | 0.000315 |
| 2035 Sep | 0.00000273 | 1.77 | 0.00224 | 1.88 | 0.0326 | 0.000403 | 1.27 | 0.00174 | 0.00529 | 0.000052 | 0.0000788 | 0.000037 | 0.0722 | 0.00000536 | 0.000108 | 0.000306 | 0.00164 | 0.000294 |
| 2035 Oct | 0.00000271 | 1.75 | 0.0022 | 1.86 | 0.0318 | 0.000393 | 1.25 | 0.00171 | 0.00519 | 0.000052 | 0.0000774 | 0.0000364 | 0.0709 | 0.00000532 | 0.000105 | 0.000302 | 0.00163 | 0.000281 |
| 2035 Nov | 0.0000027 | 1.73 | 0.00218 | 1.85 | 0.0313 | 0.000388 | 1.25 | 0.0017 | 0.00514 | 0.0000527 | 0.000077 | 0.0000362 | 0.0702 | 0.00000531 | 0.000104 | 0.000301 | 0.00163 | 0.000277 |
| 2035 Dec | 0.0000027 | 1.73 | 0.00217 | 1.85 | 0.0313 | 0.000387 | 1.25 | 0.00169 | 0.00513 | 0.0000528 | 0.000077 | 0.0000362 | 0.07 | 0.00000531 | 0.000104 | 0.000301 | 0.00163 | 0.000277 |
| 2036 Jan | 0.0000027 | 1.73 | 0.00217 | 1.85 | 0.0313 | 0.000387 | 1.24 | 0.00169 | 0.00513 | 0.0000529 | 0.000077 | 0.0000362 | 0.07 | 0.00000531 | 0.000104 | 0.000301 | 0.00163 | 0.000277 |
| 2036 Feb | 0.0000027 | 1.73 | 0.00217 | 1.85 | 0.0313 | 0.000387 | 1.24 | 0.00169 | 0.00513 | 0.0000529 | 0.000077 | 0.0000362 | 0.07 | 0.00000531 | 0.000104 | 0.000301 | 0.00163 | 0.000277 |
| 2036 Mar | 0.0000027 | 1.73 | 0.00217 | 1.85 | 0.0313 | 0.000387 | 1.24 | 0.00169 | 0.00513 | 0.0000529 | 0.000077 | 0.0000362 | 0.07 | 0.00000531 | 0.000104 | 0.000301 | 0.00163 | 0.000277 |
| 2036 Apr | 0.00000271 | 1.73 | 0.00218 | 1.85 | 0.0313 | 0.000387 | 1.25 | 0.00169 | 0.00513 | 0.0000529 | 0.0000771 | 0.0000362 | 0.0701 | 0.00000532 | 0.000104 | 0.000301 | 0.00163 | 0.000277 |
| 2036 May | 0.00000272 | 1.74 | 0.00218 | 1.86 | 0.0314 | 0.000389 | 1.25 | 0.0017 | 0.00515 | 0.0000531 | 0.0000774 | 0.0000364 | 0.0704 | 0.00000534 | 0.000104 | 0.000303 | 0.00164 | 0.000278 |
| 2036 Jun | 0.00000268 | 1.72 | 0.00217 | 1.84 | 0.0309 | 0.000378 | 1.24 | 0.00167 | 0.00513 | 0.0000526 | 0.0000738 | 0.0000348 | 0.0697 | 0.00000528 | 0.000101 | 0.000295 | 0.00162 | 0.000241 |
| 2036 Jul | 0.00000268 | 1.7 | 0.00214 | 1.83 | 0.0302 | 0.000369 | 1.23 | 0.00165 | 0.00507 | 0.0000533 | 0.0000724 | 0.0000342 | 0.0688 | 0.00000528 | 0.0000989 | 0.000293 | 0.00162 | 0.000224 |
| 2036 Aug | 0.0000027 | 1.72 | 0.00216 | 1.84 | 0.0304 | 0.000371 | 1.24 | 0.00166 | 0.00512 | 0.0000536 | 0.0000726 | 0.0000344 | 0.0694 | 0.00000533 | 0.0000995 | 0.000295 | 0.00163 | 0.000221 |
| 2036 Sep | 0.0000027 | 1.72 | 0.00217 | 1.85 | 0.0306 | 0.000371 | 1.24 | 0.00166 | 0.00515 | 0.0000533 | 0.0000721 | 0.0000342 | 0.0697 | 0.00000533 | 0.0000997 | 0.000294 | 0.00164 | 0.000215 |
| 2036 Oct | 0.00000269 | 1.71 | 0.00215 | 1.83 | 0.0303 | 0.000367 | 1.23 | 0.00165 | 0.00511 | 0.0000529 | 0.0000711 | 0.0000337 | 0.0692 | 0.0000053 | 0.0000984 | 0.000292 | 0.00163 | 0.000206 |
| 2036 Nov | 0.00000269 | 1.7 | 0.00214 | 1.83 | 0.03 | 0.000363 | 1.23 | 0.00164 | 0.00507 | 0.0000534 | 0.000071 | 0.0000337 | 0.0687 | 0.0000053 | 0.0000976 | 0.000291 | 0.00163 | 0.000205 |
| 2036 Dec | 0.00000269 | 1.7 | 0.00213 | 1.83 | 0.0299 | 0.000363 | 1.23 | 0.00163 | 0.00507 | 0.0000535 | 0.000071 | 0.0000337 | 0.0686 | 0.0000053 | 0.0000975 | 0.000291 | 0.00163 | 0.000204 |
| 2037 Jan | 0.00000269 | 1.7 | 0.00213 | 1.83 | 0.0299 | 0.000363 | 1.23 | 0.00163 | 0.00507 | 0.0000535 | 0.000071 | 0.0000337 | 0.0686 | 0.0000053 | 0.0000975 | 0.000291 | 0.00163 | 0.000204 |
| 2037 Feb | 0.00000269 | 1.7 | 0.00213 | 1.83 | 0.0299 | 0.000363 | 1.23 | 0.00163 | 0.00507 | 0.0000535 | 0.000071 | 0.0000337 | 0.0686 | 0.0000053 | 0.0000975 | 0.000291 | 0.00163 | 0.000204 |
| 2037 Mar | 0.00000269 | 1.7 | 0.00213 | 1.83 | 0.0299 | 0.000363 | 1.23 | 0.00163 | 0.00507 | 0.0000535 | 0.000071 | 0.0000337 | 0.0686 | 0.0000053 | 0.0000975 | 0.000291 | 0.00163 | 0.000204 |
| 2037 Apr | 0.00000269 | 1.7 | 0.00213 | 1.83 | 0.0299 | 0.000363 | 1.23 | 0.00163 | 0.00507 | 0.0000535 | 0.000071 | 0.0000337 | 0.0687 | 0.0000053 | 0.0000976 | 0.000291 | 0.00163 | 0.000204 |
| 2037 May | 0.00000268 | 1.71 | 0.00214 | 1.83 | 0.03 | 0.000363 | 1.23 | 0.00164 | 0.00509 | 0.000053 | 0.0000702 | 0.0000334 | 0.0689 | 0.0000053 | 0.0000974 | 0.00029 | 0.00162 | 0.000195 |
| 2037 Jun | 0.00000261 | 1.64 | 0.00205 | 1.77 | 0.0283 | 0.000339 | 1.18 | 0.00156 | 0.00487 | 0.0000515 | 0.0000661 | 0.0000316 | 0.0658 | 0.00000517 | 0.0000913 | 0.000279 | 0.00158 | 0.000162 |
| 2037 Jul | 0.00000262 | 1.64 | 0.00205 | 1.77 | 0.0282 | 0.000337 | 1.19 | 0.00156 | 0.00487 | 0.0000517 | 0.0000659 | 0.0000316 | 0.0657 | 0.00000519 | 0.0000909 | 0.00028 | 0.00159 | 0.000157 |
| 2037 Aug | 0.00000264 | 1.66 | 0.00207 | 1.79 | 0.0284 | 0.00034 | 1.2 | 0.00157 | 0.00492 | 0.0000519 | 0.0000663 | 0.0000317 | 0.0663 | 0.00000523 | 0.0000917 | 0.000282 | 0.0016 | 0.000156 |
| 2037 Sep | 0.00000266 | 1.67 | 0.00209 | 1.8 | 0.0287 | 0.000343 | 1.21 | 0.00158 | 0.00497 | 0.0000519 | 0.0000664 | 0.0000318 | 0.0669 | 0.00000526 | 0.0000924 | 0.000283 | 0.00161 | 0.000154 |
| 2037 Oct | 0.00000265 | 1.67 | 0.0021 | 1.8 | 0.0288 | 0.000344 | 1.21 | 0.00158 | 0.00499 | 0.0000515 | 0.000066 | 0.0000317 | 0.0672 | 0.00000526 | 0.0000925 | 0.000282 | 0.00161 | 0.00015 |
| 2037 Nov | 0.00000265 | 1.67 | 0.00209 | 1.8 | 0.0288 | 0.000343 | 1.21 | 0.00158 | 0.00498 | 0.0000515 | 0.0000659 | 0.0000316 | 0.067 | 0.00000526 | 0.0000922 | 0.000282 | 0.00161 | 0.000149 |
| 2037 Dec | 0.00000265 | 1.67 | 0.00209 | 1.8 | 0.0287 | 0.000342 | 1.2 | 0.00158 | 0.00497 | 0.0000516 | 0.0000659 | 0.0000316 | 0.067 | 0.00000526 | 0.0000922 | 0.000282 | 0.00161 | 0.000148 |
| 2038 Jan | 0.00000265 | 1.67 | 0.00209 | 1.8 | 0.0287 | 0.000342 | 1.2 | 0.00158 | 0.00497 | 0.0000516 | 0.0000659 | 0.0000316 | 0.067 | 0.00000526 | 0.0000922 | 0.000282 | 0.00161 | 0.000148 |
| 2038 Feb | 0.00000265 | 1.67 | 0.00209 | 1.8 | 0.0287 | 0.000342 | 1.2 | 0.00158 | 0.00497 | 0.0000516 | 0.0000659 | 0.0000316 | 0.067 | 0.00000526 | 0.0000922 | 0.000282 | 0.00161 | 0.000148 |
| 2038 Mar | 0.00000265 | 1.67 | 0.00209 | 1.8 | 0.0287 | 0.000342 | 1.2 | 0.00158 | 0.00497 | 0.0000516 | 0.0000659 | 0.0000316 | 0.067 | 0.00000526 | 0.0000922 | 0.000282 | 0.00161 | 0.000148 |
| 2038 Apr | 0.00000265 | 1.67 | 0.00209 | 1.8 | 0.0287 | 0.000342 | 1.2 | 0.00158 | 0.00497 | 0.0000516 | 0.0000659 | 0.0000316 | 0.067 | 0.00000526 | 0.0000922 | 0.000282 | 0.00161 | 0.000148 |
| 2038 May | 0.00000265 | 1.67 | 0.00209 | 1.79 | 0.0288 | 0.000342 | 1.2 | 0.00158 | 0.00498 | 0.0000511 | 0.0000654 | 0.0000314 | 0.067 | 0.00000524 | 0.000092 | 0.000281 | 0.00161 | 0.000144 |
| 2038 Jun | 0.00000261 | 1.63 | 0.00205 | 1.76 | 0.0278 | 0.000329 | 1.18 | 0.00154 | 0.00486 | 0.0000496 | 0.0000629 | 0.0000303 | 0.0654 | 0.00000517 | 0.0000887 | 0.000274 | 0.00158 | 0.000123 |
| 2038 Jul | 0.00000265 | 1.65 | 0.00207 | 1.78 | 0.0281 | 0.000332 | 1.2 | 0.00156 | 0.00492 | 0.0000504 | 0.0000637 | 0.0000307 | 0.0662 | 0.00000525 | 0.0000896 | 0.000278 | 0.00161 | 0.000122 |
| 2038 Aug | 0.00000268 | 1.68 | 0.00211 | 1.81 | 0.0287 | 0.000338 | 1.21 | 0.00158 | 0.00501 | 0.0000505 | 0.0000641 | 0.0000309 | 0.0674 | 0.00000531 | 0.0000911 | 0.000281 | 0.00163 | 0.000121 |
| 2038 Sep | 0.00000268 | 1.69 | 0.00212 | 1.81 | 0.0289 | 0.00034 | 1.22 | 0.00159 | 0.00505 | 0.0000501 | 0.0000639 | 0.0000308 | 0.0678 | 0.00000532 | 0.0000916 | 0.000281 | 0.00163 | 0.000118 |
| 2038 Oct | 0.00000266 | 1.68 | 0.00212 | 1.8 | 0.0289 | 0.000339 | 1.21 | 0.00158 | 0.00504 | 0.0000494 | 0.0000631 | 0.0000305 | 0.0677 | 0.00000529 | 0.0000911 | 0.000279 | 0.00162 | 0.000112 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 0.00000266 | 1.68 | 0.00211 | 1.8 | 0.0287 | 0.000337 | 1.21 | 0.00158 | 0.00502 | 0.0000496 | 0.0000631 | 0.0000305 | 0.0674 | 0.00000529 | 0.0000908 | 0.000279 | 0.00162 | 0.000112 |
| 2038 Dec | 0.00000266 | 1.68 | 0.00211 | 1.8 | 0.0287 | 0.000337 | 1.21 | 0.00158 | 0.00502 | 0.0000496 | 0.0000631 | 0.0000305 | 0.0674 | 0.00000529 | 0.0000907 | 0.000279 | 0.00162 | 0.000112 |
| 2039 Jan | 0.00000266 | 1.68 | 0.00211 | 1.8 | 0.0287 | 0.000337 | 1.21 | 0.00158 | 0.00502 | 0.0000496 | 0.0000631 | 0.0000305 | 0.0674 | 0.00000529 | 0.0000907 | 0.000279 | 0.00162 | 0.000112 |
| 2039 Feb | 0.00000266 | 1.68 | 0.00211 | 1.8 | 0.0287 | 0.000337 | 1.21 | 0.00158 | 0.00502 | 0.0000496 | 0.0000631 | 0.0000305 | 0.0674 | 0.00000529 | 0.0000907 | 0.000279 | 0.00162 | 0.000112 |
| 2039 Mar | 0.00000266 | 1.68 | 0.00211 | 1.8 | 0.0287 | 0.000337 | 1.21 | 0.00158 | 0.00502 | 0.0000496 | 0.0000631 | 0.0000305 | 0.0674 | 0.00000529 | 0.0000907 | 0.000279 | 0.00162 | 0.000112 |
| 2039 Apr | 0.00000266 | 1.68 | 0.00211 | 1.8 | 0.0287 | 0.000337 | 1.21 | 0.00158 | 0.00502 | 0.0000496 | 0.0000631 | 0.0000305 | 0.0674 | 0.00000529 | 0.0000907 | 0.000279 | 0.00162 | 0.000112 |
| 2039 May | 0.00000266 | 1.68 | 0.00211 | 1.8 | 0.0287 | 0.000337 | 1.21 | 0.00158 | 0.00502 | 0.0000496 | 0.0000631 | 0.0000305 | 0.0674 | 0.00000529 | 0.0000907 | 0.000279 | 0.00162 | 0.000112 |
| 2039 Jun | 0.00000263 | 1.65 | 0.00208 | 1.78 | 0.0281 | 0.000329 | 1.19 | 0.00155 | 0.00495 | 0.0000477 | 0.0000612 | 0.0000297 | 0.0664 | 0.00000522 | 0.0000886 | 0.000274 | 0.0016 | 0.0000974 |
| 2039 Jul | 0.00000263 | 1.64 | 0.00206 | 1.77 | 0.0277 | 0.000323 | 1.19 | 0.00154 | 0.00492 | 0.0000471 | 0.0000605 | 0.0000294 | 0.0658 | 0.00000522 | 0.0000872 | 0.000273 | 0.00159 | 0.0000893 |
| 2039 Aug | 0.00000265 | 1.65 | 0.00207 | 1.79 | 0.0278 | 0.000324 | 1.2 | 0.00154 | 0.00494 | 0.0000473 | 0.0000608 | 0.0000296 | 0.0661 | 0.00000527 | 0.0000874 | 0.000275 | 0.00161 | 0.0000874 |
| 2039 Sep | 0.00000266 | 1.66 | 0.00209 | 1.79 | 0.028 | 0.000326 | 1.2 | 0.00155 | 0.00498 | 0.000047 | 0.0000608 | 0.0000296 | 0.0666 | 0.00000528 | 0.000088 | 0.000275 | 0.00161 | 0.0000852 |
| 2039 Oct | 0.00000265 | 1.66 | 0.00208 | 1.79 | 0.0279 | 0.000325 | 1.2 | 0.00155 | 0.00497 | 0.0000469 | 0.0000606 | 0.0000295 | 0.0665 | 0.00000528 | 0.0000877 | 0.000275 | 0.00161 | 0.0000836 |
| 2039 Nov | 0.00000266 | 1.66 | 0.00208 | 1.79 | 0.0279 | 0.000325 | 1.2 | 0.00155 | 0.00497 | 0.0000469 | 0.0000606 | 0.0000295 | 0.0664 | 0.00000528 | 0.0000876 | 0.000275 | 0.00161 | 0.0000836 |
| 2039 Dec | 0.00000266 | 1.66 | 0.00208 | 1.79 | 0.0279 | 0.000325 | 1.2 | 0.00155 | 0.00497 | 0.0000469 | 0.0000606 | 0.0000295 | 0.0664 | 0.00000528 | 0.0000876 | 0.000275 | 0.00161 | 0.0000835 |
| 2040 Jan | 0.00000266 | 1.66 | 0.00208 | 1.79 | 0.0279 | 0.000325 | 1.2 | 0.00155 | 0.00497 | 0.0000469 | 0.0000606 | 0.0000295 | 0.0664 | 0.00000528 | 0.0000876 | 0.000275 | 0.00161 | 0.0000835 |
| 2040 Feb | 0.00000266 | 1.66 | 0.00208 | 1.79 | 0.0279 | 0.000325 | 1.2 | 0.00155 | 0.00497 | 0.0000469 | 0.0000606 | 0.0000295 | 0.0664 | 0.00000528 | 0.0000876 | 0.000275 | 0.00161 | 0.0000835 |
| 2040 Mar | 0.00000266 | 1.66 | 0.00208 | 1.79 | 0.0279 | 0.000325 | 1.2 | 0.00155 | 0.00497 | 0.0000469 | 0.0000606 | 0.0000295 | 0.0664 | 0.00000528 | 0.0000876 | 0.000275 | 0.00161 | 0.0000835 |
| 2040 Apr | 0.00000266 | 1.66 | 0.00208 | 1.79 | 0.0279 | 0.000325 | 1.2 | 0.00155 | 0.00497 | 0.0000469 | 0.0000606 | 0.0000295 | 0.0664 | 0.00000528 | 0.0000876 | 0.000275 | 0.00161 | 0.0000835 |
| 2040 May | 0.00000265 | 1.66 | 0.00209 | 1.79 | 0.028 | 0.000326 | 1.2 | 0.00155 | 0.00498 | 0.0000466 | 0.0000605 | 0.0000295 | 0.0666 | 0.00000528 | 0.0000878 | 0.000275 | 0.00161 | 0.0000825 |
| 2040 Jun | 0.00000262 | 1.63 | 0.00204 | 1.76 | 0.0272 | 0.000316 | 1.18 | 0.00152 | 0.00488 | 0.0000439 | 0.0000587 | 0.0000287 | 0.0651 | 0.00000521 | 0.0000852 | 0.000269 | 0.00159 | 0.0000703 |
| 2040 Jul | 0.00000263 | 1.63 | 0.00204 | 1.77 | 0.0272 | 0.000315 | 1.18 | 0.00152 | 0.00488 | 0.000044 | 0.0000588 | 0.0000288 | 0.0652 | 0.00000524 | 0.000085 | 0.000271 | 0.0016 | 0.0000684 |
| 2040 Aug | 0.00000265 | 1.65 | 0.00206 | 1.78 | 0.0275 | 0.000318 | 1.19 | 0.00153 | 0.00493 | 0.0000438 | 0.000059 | 0.0000289 | 0.0658 | 0.00000527 | 0.0000858 | 0.000272 | 0.00161 | 0.0000665 |
| 2040 Sep | 0.00000264 | 1.65 | 0.00207 | 1.78 | 0.0275 | 0.000318 | 1.19 | 0.00153 | 0.00494 | 0.0000432 | 0.0000587 | 0.0000288 | 0.0659 | 0.00000527 | 0.0000858 | 0.000272 | 0.0016 | 0.000064 |
| 2040 Oct | 0.00000265 | 1.65 | 0.00206 | 1.78 | 0.0274 | 0.000316 | 1.19 | 0.00153 | 0.00492 | 0.0000434 | 0.0000588 | 0.0000288 | 0.0657 | 0.00000528 | 0.0000855 | 0.000272 | 0.00161 | 0.0000638 |
| 2040 Nov | 0.00000265 | 1.65 | 0.00206 | 1.78 | 0.0274 | 0.000316 | 1.19 | 0.00153 | 0.00492 | 0.0000434 | 0.0000588 | 0.0000288 | 0.0657 | 0.00000528 | 0.0000855 | 0.000272 | 0.00161 | 0.0000638 |
| 2040 Dec | 0.00000265 | 1.65 | 0.00206 | 1.78 | 0.0274 | 0.000316 | 1.19 | 0.00153 | 0.00493 | 0.0000434 | 0.0000588 | 0.0000288 | 0.0657 | 0.00000528 | 0.0000855 | 0.000272 | 0.00161 | 0.0000638 |
| 2041 Jan | 0.00000265 | 1.65 | 0.00206 | 1.78 | 0.0274 | 0.000316 | 1.19 | 0.00153 | 0.00493 | 0.0000434 | 0.0000588 | 0.0000288 | 0.0657 | 0.00000528 | 0.0000855 | 0.000272 | 0.00161 | 0.0000637 |
| 2041 Feb | 0.00000265 | 1.65 | 0.00206 | 1.78 | 0.0274 | 0.000316 | 1.19 | 0.00153 | 0.00493 | 0.0000434 | 0.0000588 | 0.0000288 | 0.0657 | 0.00000528 | 0.0000855 | 0.000272 | 0.00161 | 0.0000637 |
| 2041 Mar | 0.00000265 | 1.65 | 0.00206 | 1.78 | 0.0274 | 0.000316 | 1.19 | 0.00153 | 0.00493 | 0.0000434 | 0.0000588 | 0.0000288 | 0.0657 | 0.00000528 | 0.0000855 | 0.000272 | 0.00161 | 0.0000637 |
| 2041 Apr | 0.00000265 | 1.65 | 0.00206 | 1.78 | 0.0274 | 0.000316 | 1.19 | 0.00153 | 0.00493 | 0.0000434 | 0.0000588 | 0.0000288 | 0.0657 | 0.00000528 | 0.0000855 | 0.000272 | 0.00161 | 0.0000637 |
| 2041 May | 0.00000265 | 1.65 | 0.00207 | 1.78 | 0.0275 | 0.000317 | 1.19 | 0.00153 | 0.00494 | 0.0000433 | 0.0000588 | 0.0000288 | 0.0658 | 0.00000528 | 0.0000857 | 0.000272 | 0.00161 | 0.0000634 |
| 2041 Jun | 0.00000263 | 1.64 | 0.00206 | 1.77 | 0.0274 | 0.000315 | 1.19 | 0.00152 | 0.00493 | 0.0000416 | 0.0000579 | 0.0000284 | 0.0656 | 0.00000525 | 0.0000851 | 0.00027 | 0.00159 | 0.0000576 |
| 2041 Jul | 0.00000263 | 1.63 | 0.00203 | 1.76 | 0.0269 | 0.000309 | 1.18 | 0.00151 | 0.00487 | 0.0000405 | 0.0000573 | 0.0000282 | 0.0648 | 0.00000523 | 0.0000836 | 0.000268 | 0.00159 | 0.0000526 |
| 2041 Aug | 0.00000263 | 1.63 | 0.00204 | 1.77 | 0.0269 | 0.000309 | 1.18 | 0.00151 | 0.00489 | 0.0000399 | 0.0000572 | 0.0000281 | 0.065 | 0.00000524 | 0.0000836 | 0.000269 | 0.00159 | 0.00005 |
| 2041 Sep | 0.00000263 | 1.63 | 0.00203 | 1.77 | 0.0268 | 0.000308 | 1.18 | 0.00151 | 0.00488 | 0.0000397 | 0.0000571 | 0.0000281 | 0.0648 | 0.00000525 | 0.0000833 | 0.000269 | 0.00159 | 0.0000488 |
| 2041 Oct | 0.00000262 | 1.62 | 0.00201 | 1.76 | 0.0265 | 0.000304 | 1.17 | 0.00149 | 0.00483 | 0.0000394 | 0.0000568 | 0.000028 | 0.0642 | 0.00000523 | 0.0000824 | 0.000268 | 0.00159 | 0.0000478 |
| 2041 Nov | 0.00000262 | 1.61 | 0.002 | 1.76 | 0.0263 | 0.000303 | 1.17 | 0.00149 | 0.00481 | 0.0000394 | 0.0000569 | 0.000028 | 0.064 | 0.00000523 | 0.0000821 | 0.000268 | 0.00159 | 0.0000477 |
| 2041 Dec | 0.00000262 | 1.61 | 0.002 | 1.76 | 0.0263 | 0.000303 | 1.17 | 0.00149 | 0.00481 | 0.0000394 | 0.0000569 | 0.000028 | 0.064 | 0.00000523 | 0.000082 | 0.000268 | 0.00159 | 0.0000476 |
| 2042 Jan | 0.00000262 | 1.61 | 0.002 | 1.76 | 0.0263 | 0.000303 | 1.17 | 0.00149 | 0.00481 | 0.0000394 | 0.0000569 | 0.000028 | 0.0639 | 0.00000523 | 0.000082 | 0.000268 | 0.00159 | 0.0000476 |
| 2042 Feb | 0.00000262 | 1.61 | 0.002 | 1.76 | 0.0263 | 0.000303 | 1.17 | 0.00149 | 0.00481 | 0.0000394 | 0.0000569 | 0.000028 | 0.0639 | 0.00000523 | 0.000082 | 0.000268 | 0.00159 | 0.0000476 |
| 2042 Mar | 0.00000262 | 1.61 | 0.002 | 1.76 | 0.0263 | 0.000303 | 1.17 | 0.00149 | 0.00481 | 0.0000394 | 0.0000569 | 0.000028 | 0.0639 | 0.00000523 | 0.000082 | 0.000268 | 0.00159 | 0.0000476 |
| 2042 Apr | 0.00000262 | 1.61 | 0.002 | 1.76 | 0.0263 | 0.000303 | 1.17 | 0.00149 | 0.00481 | 0.0000394 | 0.0000569 | 0.000028 | 0.064 | 0.00000523 | 0.000082 | 0.000268 | 0.00159 | 0.0000476 |
| 2042 May | 0.00000263 | 1.62 | 0.00201 | 1.76 | 0.0264 | 0.000304 | 1.17 | 0.00149 | 0.00483 | 0.0000393 | 0.0000568 | 0.000028 | 0.0642 | 0.00000524 | 0.0000823 | 0.000268 | 0.00159 | 0.0000473 |
| 2042 Jun | 0.00000261 | 1.61 | 0.00201 | 1.75 | 0.0265 | 0.000303 | 1.17 | 0.00149 | 0.00483 | 0.0000377 | 0.000056 | 0.0000277 | 0.0641 | 0.0000052 | 0.0000821 | 0.000265 | 0.00157 | 0.0000423 |
| 2042 Jul | 0.0000026 | 1.6 | 0.00199 | 1.74 | 0.0261 | 0.000299 | 1.16 | 0.00147 | 0.0048 | 0.0000368 | 0.0000555 | 0.0000275 | 0.0636 | 0.00000518 | 0.000081 | 0.000264 | 0.00157 | 0.0000387 |
| 2042 Aug | 0.00000259 | 1.6 | 0.00198 | 1.74 | 0.026 | 0.000297 | 1.16 | 0.00147 | 0.00478 | 0.0000363 | 0.0000553 | 0.0000274 | 0.0633 | 0.00000518 | 0.0000805 | 0.000264 | 0.00157 | 0.0000369 |
| 2042 Sep | 0.00000259 | 1.59 | 0.00197 | 1.73 | 0.0258 | 0.000295 | 1.16 | 0.00146 | 0.00476 | 0.0000359 | 0.0000551 | 0.0000273 | 0.063 | 0.00000517 | 0.00008 | 0.000263 | 0.00156 | 0.0000357 |
| 2042 Oct | 0.00000257 | 1.56 | 0.00193 | 1.71 | 0.0252 | 0.000288 | 1.14 | 0.00143 | 0.00467 | 0.0000355 | 0.0000544 | 0.000027 | 0.0618 | 0.00000512 | 0.0000783 | 0.00026 | 0.00155 | 0.0000339 |
| 2042 Nov | 0.00000257 | 1.56 | 0.00192 | 1.71 | 0.0249 | 0.000286 | 1.14 | 0.00142 | 0.00463 | 0.0000358 | 0.0000544 | 0.000027 | 0.0613 | 0.00000512 | 0.0000776 | 0.00026 | 0.00155 | 0.0000336 |
| 2042 Dec | 0.00000257 | 1.56 | 0.00191 | 1.71 | 0.0249 | 0.000285 | 1.14 | 0.00142 | 0.00463 | 0.0000358 | 0.0000544 | 0.000027 | 0.0613 | 0.00000512 | 0.0000775 | 0.00026 | 0.00155 | 0.0000336 |
| 2043 Jan | 0.00000257 | 1.56 | 0.00191 | 1.71 | 0.0249 | 0.000285 | 1.14 | 0.00142 | 0.00463 | 0.0000358 | 0.0000544 | 0.000027 | 0.0613 | 0.00000512 | 0.0000775 | 0.00026 | 0.00155 | 0.0000336 |
| 2043 Feb | 0.00000257 | 1.56 | 0.00191 | 1.71 | 0.0249 | 0.000285 | 1.14 | 0.00142 | 0.00463 | 0.0000358 | 0.0000544 | 0.000027 | 0.0613 | 0.00000512 | 0.0000775 | 0.00026 | 0.00155 | 0.0000336 |
| 2043 Mar | 0.00000257 | 1.56 | 0.00191 | 1.71 | 0.0249 | 0.000285 | 1.14 | 0.00142 | 0.00463 | 0.0000358 | 0.0000544 | 0.000027 | 0.0613 | 0.00000512 | 0.0000775 | 0.00026 | 0.00155 | 0.0000336 |
| 2043 Apr | 0.00000257 | 1.56 | 0.00192 | 1.71 | 0.0249 | 0.000285 | 1.14 | 0.00143 | 0.00463 | 0.0000358 | 0.0000545 | 0.000027 | 0.0613 | 0.00000513 | 0.0000776 | 0.000261 | 0.00155 | 0.0000336 |
| 2043 May | 0.00000258 | 1.57 | 0.00193 | 1.72 | 0.0252 | 0.000288 | 1.14 | 0.00144 | 0.00467 | 0.0000359 | 0.0000546 | 0.0000271 | 0.0618 | 0.00000514 | 0.0000783 | 0.000262 | 0.00156 | 0.0000334 |
| 2043 Jun | 0.00000255 | 1.56 | 0.00193 | 1.7 | 0.0252 | 0.000287 | 1.13 | 0.00143 | 0.00465 | 0.000036 | 0.0000537 | 0.0000267 | 0.0616 | 0.00000509 | 0.000078 | 0.000258 | 0.00154 | 0.0000282 |
| 2043 Jul | 0.00000258 | 1.57 | 0.00194 | 1.71 | 0.0253 | 0.000289 | 1.14 | 0.00144 | 0.00468 | 0.0000365 | 0.0000543 | 0.000027 | 0.062 | 0.00000515 | 0.0000784 | 0.000261 | 0.00156 | 0.0000277 |
| 2043 Aug | 0.00000259 | 1.59 | 0.00198 | 1.73 | 0.0259 | 0.000295 | 1.15 | 0.00146 | 0.00477 | 0.0000363 | 0.0000543 | 0.000027 | 0.0631 | 0.00000516 | 0.0000798 | 0.000262 | 0.00156 | 0.0000263 |
| 2043 Sep | 0.00000258 | 1.58 | 0.00197 | 1.72 | 0.0257 | 0.000292 | 1.15 | 0.00145 | 0.00473 | 0.0000362 | 0.000054 | 0.0000269 | 0.0627 | 0.00000515 | 0.0000792 | 0.000261 | 0.00156 | 0.0000251 |
| 2043 Oct | 0.00000258 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.00029 | 1.14 | 0.00144 | 0.0047 | 0.0000363 | 0.000054 | 0.0000269 | 0.0622 | 0.00000515 | 0.0000786 | 0.000261 | 0.00156 | 0.0000248 |
| 2043 Nov | 0.00000258 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00144 | 0.0047 | 0.0000363 | 0.0000541 | 0.0000269 | 0.0622 | 0.00000515 | 0.0000785 | 0.000261 | 0.00156 | 0.0000247 |
| 2043 Dec | 0.00000258 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00144 | 0.0047 | 0.0000363 | 0.0000541 | 0.0000269 | 0.0622 | 0.00000515 | 0.0000785 | 0.000261 | 0.00156 | 0.0000247 |
| 2044 Jan | 0.00000258 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00144 | 0.0047 | 0.0000363 | 0.0000541 | 0.0000269 | 0.0622 | 0.00000515 | 0.0000785 | 0.000261 | 0.00156 | 0.0000247 |
| 2044 Feb | 0.00000258 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00144 | 0.0047 | 0.0000363 | 0.0000541 | 0.0000269 | 0.0622 | 0.00000515 | 0.0000785 | 0.000261 | 0.00156 | 0.0000247 |
| 2044 Mar | 0.00000258 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00144 | 0.0047 | 0.0000363 | 0.0000541 | 0.0000269 | 0.0622 | 0.00000515 | 0.0000785 | 0.000261 | 0.00156 | 0.0000247 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 0.00000258 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00144 | 0.0047 | 0.0000363 | 0.0000541 | 0.0000269 | 0.0622 | 0.00000515 | 0.0000785 | 0.000261 | 0.00156 | 0.0000247 |
| 2044 May | 0.00000258 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.00029 | 1.14 | 0.00144 | 0.0047 | 0.0000363 | 0.0000541 | 0.0000269 | 0.0623 | 0.00000516 | 0.0000786 | 0.000261 | 0.00156 | 0.0000247 |
| 2044 Jun | 0.00000255 | 1.56 | 0.00195 | 1.7 | 0.0254 | 0.000289 | 1.13 | 0.00143 | 0.00468 | 0.0000352 | 0.0000531 | 0.0000265 | 0.062 | 0.00000509 | 0.0000783 | 0.000257 | 0.00154 | 0.0000214 |
| 2044 Jul | 0.00000257 | 1.57 | 0.00195 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00143 | 0.0047 | 0.0000354 | 0.0000535 | 0.0000267 | 0.0622 | 0.00000514 | 0.0000783 | 0.00026 | 0.00155 | 0.0000205 |
| 2044 Aug | 0.0000026 | 1.59 | 0.00198 | 1.73 | 0.0258 | 0.000294 | 1.16 | 0.00146 | 0.00477 | 0.0000356 | 0.000054 | 0.0000269 | 0.0632 | 0.00000519 | 0.0000796 | 0.000262 | 0.00157 | 0.0000202 |
| 2044 Sep | 0.00000259 | 1.59 | 0.002 | 1.73 | 0.0261 | 0.000296 | 1.15 | 0.00146 | 0.00479 | 0.0000351 | 0.0000537 | 0.0000268 | 0.0635 | 0.00000517 | 0.00008 | 0.000261 | 0.00156 | 0.000019 |
| 2044 Oct | 0.00000258 | 1.58 | 0.00197 | 1.71 | 0.0257 | 0.000292 | 1.15 | 0.00145 | 0.00475 | 0.000035 | 0.0000534 | 0.0000266 | 0.0628 | 0.00000515 | 0.0000791 | 0.00026 | 0.00156 | 0.0000184 |
| 2044 Nov | 0.00000258 | 1.57 | 0.00196 | 1.71 | 0.0255 | 0.000289 | 1.14 | 0.00144 | 0.00471 | 0.0000353 | 0.0000534 | 0.0000266 | 0.0623 | 0.00000515 | 0.0000784 | 0.00026 | 0.00156 | 0.0000182 |
| 2044 Dec | 0.00000258 | 1.57 | 0.00196 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00143 | 0.0047 | 0.0000354 | 0.0000534 | 0.0000266 | 0.0623 | 0.00000515 | 0.0000783 | 0.00026 | 0.00156 | 0.0000182 |
| 2045 Jan | 0.00000258 | 1.57 | 0.00196 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00143 | 0.0047 | 0.0000354 | 0.0000534 | 0.0000266 | 0.0623 | 0.00000515 | 0.0000783 | 0.00026 | 0.00156 | 0.0000182 |
| 2045 Feb | 0.00000258 | 1.57 | 0.00196 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00143 | 0.0047 | 0.0000354 | 0.0000534 | 0.0000266 | 0.0623 | 0.00000515 | 0.0000783 | 0.00026 | 0.00156 | 0.0000182 |
| 2045 Mar | 0.00000258 | 1.57 | 0.00196 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00143 | 0.0047 | 0.0000354 | 0.0000534 | 0.0000266 | 0.0623 | 0.00000515 | 0.0000783 | 0.00026 | 0.00156 | 0.0000182 |
| 2045 Apr | 0.00000258 | 1.57 | 0.00196 | 1.71 | 0.0254 | 0.000289 | 1.14 | 0.00144 | 0.00471 | 0.0000354 | 0.0000534 | 0.0000266 | 0.0623 | 0.00000515 | 0.0000783 | 0.00026 | 0.00156 | 0.0000182 |
| 2045 May | 0.00000259 | 1.58 | 0.00196 | 1.71 | 0.0255 | 0.00029 | 1.15 | 0.00144 | 0.00472 | 0.0000355 | 0.0000536 | 0.0000267 | 0.0625 | 0.00000516 | 0.0000786 | 0.000261 | 0.00156 | 0.0000182 |
| 2045 Jun | 0.00000258 | 1.58 | 0.00198 | 1.72 | 0.0258 | 0.000292 | 1.15 | 0.00145 | 0.00476 | 0.000036 | 0.0000533 | 0.0000266 | 0.063 | 0.00000515 | 0.0000792 | 0.000259 | 0.00156 | 0.0000167 |
| 2045 Jul | 0.0000026 | 1.6 | 0.00199 | 1.73 | 0.0259 | 0.000293 | 1.16 | 0.00146 | 0.00479 | 0.0000369 | 0.0000538 | 0.0000268 | 0.0633 | 0.0000052 | 0.0000795 | 0.000262 | 0.00158 | 0.0000159 |
| 2045 Aug | 0.00000263 | 1.61 | 0.00201 | 1.75 | 0.0262 | 0.000297 | 1.17 | 0.00147 | 0.00485 | 0.0000372 | 0.0000543 | 0.0000271 | 0.0641 | 0.00000525 | 0.0000804 | 0.000265 | 0.00159 | 0.0000158 |
| 2045 Sep | 0.00000263 | 1.62 | 0.00203 | 1.75 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000371 | 0.0000543 | 0.0000271 | 0.0645 | 0.00000525 | 0.000081 | 0.000265 | 0.00159 | 0.0000154 |
| 2045 Oct | 0.00000263 | 1.62 | 0.00203 | 1.76 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000372 | 0.0000543 | 0.0000271 | 0.0645 | 0.00000526 | 0.000081 | 0.000265 | 0.00159 | 0.0000153 |
| 2045 Nov | 0.00000263 | 1.62 | 0.00203 | 1.76 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000372 | 0.0000544 | 0.0000271 | 0.0645 | 0.00000526 | 0.0000811 | 0.000265 | 0.00159 | 0.0000153 |
| 2045 Dec | 0.00000263 | 1.62 | 0.00203 | 1.76 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000372 | 0.0000544 | 0.0000271 | 0.0645 | 0.00000526 | 0.0000811 | 0.000265 | 0.00159 | 0.0000153 |
| 2046 Jan | 0.00000263 | 1.62 | 0.00203 | 1.76 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000372 | 0.0000544 | 0.0000271 | 0.0645 | 0.00000526 | 0.0000811 | 0.000265 | 0.00159 | 0.0000153 |
| 2046 Feb | 0.00000263 | 1.62 | 0.00203 | 1.76 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000372 | 0.0000544 | 0.0000271 | 0.0645 | 0.00000526 | 0.0000811 | 0.000265 | 0.00159 | 0.0000153 |
| 2046 Mar | 0.00000263 | 1.62 | 0.00203 | 1.76 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000372 | 0.0000544 | 0.0000271 | 0.0645 | 0.00000526 | 0.0000811 | 0.000265 | 0.00159 | 0.0000153 |
| 2046 Apr | 0.00000263 | 1.62 | 0.00203 | 1.76 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000372 | 0.0000544 | 0.0000271 | 0.0645 | 0.00000526 | 0.0000811 | 0.000265 | 0.00159 | 0.0000153 |
| 2046 May | 0.00000263 | 1.62 | 0.00203 | 1.76 | 0.0264 | 0.000299 | 1.17 | 0.00148 | 0.00488 | 0.0000372 | 0.0000544 | 0.0000271 | 0.0645 | 0.00000526 | 0.0000811 | 0.000265 | 0.00159 | 0.0000153 |
| 2046 Jun | 0.00000259 | 1.6 | 0.00201 | 1.74 | 0.0262 | 0.000296 | 1.16 | 0.00146 | 0.00484 | 0.0000364 | 0.0000533 | 0.0000266 | 0.0639 | 0.00000517 | 0.0000801 | 0.00026 | 0.00157 | 0.0000132 |
| 2046 Jul | 0.00000258 | 1.59 | 0.00197 | 1.73 | 0.0256 | 0.00029 | 1.15 | 0.00144 | 0.00478 | 0.0000364 | 0.0000531 | 0.0000265 | 0.063 | 0.00000517 | 0.0000785 | 0.00026 | 0.00156 | 0.000012 |
| 2046 Aug | 0.0000026 | 1.61 | 0.00199 | 1.75 | 0.0258 | 0.000293 | 1.16 | 0.00146 | 0.00483 | 0.0000366 | 0.0000535 | 0.0000267 | 0.0636 | 0.0000052 | 0.0000793 | 0.000262 | 0.00158 | 0.0000118 |
| 2046 Sep | 0.00000259 | 1.6 | 0.00199 | 1.74 | 0.0258 | 0.000292 | 1.16 | 0.00145 | 0.00482 | 0.0000362 | 0.0000532 | 0.0000265 | 0.0635 | 0.00000518 | 0.0000791 | 0.00026 | 0.00157 | 0.0000114 |
| 2046 Oct | 0.00000258 | 1.59 | 0.00196 | 1.73 | 0.0254 | 0.000288 | 1.15 | 0.00144 | 0.00477 | 0.0000361 | 0.000053 | 0.0000265 | 0.0628 | 0.00000516 | 0.0000781 | 0.00026 | 0.00156 | 0.0000112 |
| 2046 Nov | 0.00000259 | 1.58 | 0.00196 | 1.73 | 0.0253 | 0.000287 | 1.15 | 0.00144 | 0.00476 | 0.0000362 | 0.0000531 | 0.0000265 | 0.0626 | 0.00000517 | 0.0000778 | 0.00026 | 0.00156 | 0.0000112 |
| 2046 Dec | 0.00000259 | 1.58 | 0.00196 | 1.73 | 0.0253 | 0.000287 | 1.15 | 0.00144 | 0.00475 | 0.0000362 | 0.0000531 | 0.0000265 | 0.0626 | 0.00000517 | 0.0000778 | 0.00026 | 0.00156 | 0.0000111 |
| 2047 Jan | 0.00000259 | 1.58 | 0.00196 | 1.73 | 0.0253 | 0.000287 | 1.15 | 0.00144 | 0.00475 | 0.0000362 | 0.0000531 | 0.0000265 | 0.0626 | 0.00000517 | 0.0000778 | 0.00026 | 0.00156 | 0.0000111 |
| 2047 Feb | 0.00000259 | 1.58 | 0.00196 | 1.73 | 0.0253 | 0.000287 | 1.15 | 0.00144 | 0.00475 | 0.0000362 | 0.0000531 | 0.0000265 | 0.0626 | 0.00000517 | 0.0000778 | 0.00026 | 0.00156 | 0.0000111 |
| 2047 Mar | 0.00000259 | 1.58 | 0.00196 | 1.73 | 0.0253 | 0.000287 | 1.15 | 0.00144 | 0.00476 | 0.0000362 | 0.0000531 | 0.0000265 | 0.0626 | 0.00000517 | 0.0000778 | 0.00026 | 0.00156 | 0.0000111 |
| 2047 Apr | 0.00000259 | 1.59 | 0.00196 | 1.73 | 0.0253 | 0.000287 | 1.15 | 0.00144 | 0.00476 | 0.0000362 | 0.0000531 | 0.0000265 | 0.0626 | 0.00000517 | 0.0000778 | 0.00026 | 0.00157 | 0.0000111 |
| 2047 May | 0.00000259 | 1.59 | 0.00196 | 1.73 | 0.0254 | 0.000288 | 1.15 | 0.00144 | 0.00477 | 0.000036 | 0.0000531 | 0.0000265 | 0.0628 | 0.00000517 | 0.0000781 | 0.00026 | 0.00157 | 0.000011 |
| 2047 Jun | 0.00000256 | 1.56 | 0.00193 | 1.71 | 0.0249 | 0.000283 | 1.14 | 0.00142 | 0.00469 | 0.0000351 | 0.0000524 | 0.0000262 | 0.0617 | 0.00000512 | 0.0000767 | 0.000257 | 0.00155 | 0.00000961 |
| 2047 Jul | 0.0000026 | 1.59 | 0.00196 | 1.73 | 0.0253 | 0.000287 | 1.16 | 0.00144 | 0.00475 | 0.0000354 | 0.0000531 | 0.0000266 | 0.0626 | 0.00000519 | 0.0000778 | 0.000261 | 0.00157 | 0.00000936 |
| 2047 Aug | 0.00000262 | 1.61 | 0.00199 | 1.75 | 0.0257 | 0.000291 | 1.17 | 0.00145 | 0.00482 | 0.0000356 | 0.0000536 | 0.0000268 | 0.0635 | 0.00000524 | 0.0000789 | 0.000263 | 0.00158 | 0.00000922 |
| 2047 Sep | 0.00000261 | 1.61 | 0.002 | 1.75 | 0.0259 | 0.000293 | 1.17 | 0.00146 | 0.00484 | 0.0000353 | 0.0000534 | 0.0000267 | 0.0638 | 0.00000522 | 0.0000794 | 0.000262 | 0.00158 | 0.00000888 |
| 2047 Oct | 0.00000261 | 1.6 | 0.00199 | 1.75 | 0.0257 | 0.000291 | 1.16 | 0.00145 | 0.00482 | 0.0000352 | 0.0000533 | 0.0000267 | 0.0635 | 0.00000522 | 0.0000789 | 0.000262 | 0.00158 | 0.00000874 |
| 2047 Nov | 0.00000261 | 1.6 | 0.00198 | 1.75 | 0.0257 | 0.000291 | 1.16 | 0.00145 | 0.00481 | 0.0000352 | 0.0000534 | 0.0000267 | 0.0634 | 0.00000522 | 0.0000788 | 0.000262 | 0.00158 | 0.00000871 |
| 2047 Dec | 0.00000261 | 1.6 | 0.00198 | 1.75 | 0.0257 | 0.000291 | 1.16 | 0.00145 | 0.00481 | 0.0000352 | 0.0000534 | 0.0000267 | 0.0634 | 0.00000522 | 0.0000788 | 0.000262 | 0.00158 | 0.00000871 |
| 2048 Jan | 0.00000261 | 1.6 | 0.00198 | 1.75 | 0.0257 | 0.000291 | 1.16 | 0.00145 | 0.00481 | 0.0000352 | 0.0000534 | 0.0000267 | 0.0634 | 0.00000522 | 0.0000788 | 0.000262 | 0.00158 | 0.00000871 |
| 2048 Feb | 0.00000261 | 1.6 | 0.00198 | 1.75 | 0.0257 | 0.000291 | 1.16 | 0.00145 | 0.00481 | 0.0000352 | 0.0000534 | 0.0000267 | 0.0634 | 0.00000522 | 0.0000788 | 0.000262 | 0.00158 | 0.00000871 |
| 2048 Mar | 0.00000261 | 1.6 | 0.00198 | 1.75 | 0.0257 | 0.000291 | 1.16 | 0.00145 | 0.00481 | 0.0000352 | 0.0000534 | 0.0000267 | 0.0634 | 0.00000522 | 0.0000788 | 0.000262 | 0.00158 | 0.00000871 |
| 2048 Apr | 0.00000261 | 1.6 | 0.00199 | 1.75 | 0.0257 | 0.000291 | 1.17 | 0.00145 | 0.00481 | 0.0000353 | 0.0000534 | 0.0000267 | 0.0634 | 0.00000522 | 0.0000788 | 0.000262 | 0.00158 | 0.00000871 |
| 2048 May | 0.00000262 | 1.61 | 0.00199 | 1.75 | 0.0258 | 0.000292 | 1.17 | 0.00146 | 0.00483 | 0.0000354 | 0.0000535 | 0.0000268 | 0.0636 | 0.00000524 | 0.0000791 | 0.000263 | 0.00158 | 0.00000874 |
| 2048 Jun | 0.00000257 | 1.58 | 0.00195 | 1.72 | 0.0251 | 0.000285 | 1.15 | 0.00143 | 0.00473 | 0.0000342 | 0.0000524 | 0.0000263 | 0.0622 | 0.00000514 | 0.0000772 | 0.000258 | 0.00155 | 0.00000766 |
| 2048 Jul | 0.00000256 | 1.55 | 0.0019 | 1.71 | 0.0245 | 0.000277 | 1.14 | 0.0014 | 0.00464 | 0.0000336 | 0.000052 | 0.0000261 | 0.061 | 0.00000511 | 0.0000754 | 0.000256 | 0.00154 | 0.00000682 |
| 2048 Aug | 0.00000258 | 1.57 | 0.00193 | 1.72 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00469 | 0.0000339 | 0.0000525 | 0.0000263 | 0.0617 | 0.00000516 | 0.0000762 | 0.000259 | 0.00156 | 0.0000067 |
| 2048 Sep | 0.00000259 | 1.58 | 0.00194 | 1.73 | 0.0249 | 0.000282 | 1.15 | 0.00143 | 0.00473 | 0.000034 | 0.0000527 | 0.0000264 | 0.0621 | 0.00000518 | 0.0000768 | 0.00026 | 0.00157 | 0.00000663 |
| 2048 Oct | 0.00000258 | 1.58 | 0.00194 | 1.73 | 0.025 | 0.000283 | 1.15 | 0.00143 | 0.00473 | 0.0000339 | 0.0000525 | 0.0000263 | 0.0622 | 0.00000516 | 0.0000769 | 0.000259 | 0.00156 | 0.00000642 |
| 2048 Nov | 0.00000258 | 1.57 | 0.00193 | 1.72 | 0.0248 | 0.000281 | 1.15 | 0.00142 | 0.00471 | 0.0000345 | 0.0000525 | 0.0000263 | 0.0619 | 0.00000515 | 0.0000764 | 0.000258 | 0.00156 | 0.00000631 |
| 2048 Dec | 0.00000258 | 1.57 | 0.00193 | 1.72 | 0.0248 | 0.00028 | 1.15 | 0.00142 | 0.0047 | 0.0000346 | 0.0000525 | 0.0000263 | 0.0617 | 0.00000515 | 0.0000762 | 0.000258 | 0.00156 | 0.00000629 |
| 2049 Jan | 0.00000258 | 1.57 | 0.00193 | 1.72 | 0.0248 | 0.00028 | 1.15 | 0.00142 | 0.0047 | 0.0000347 | 0.0000525 | 0.0000263 | 0.0617 | 0.00000515 | 0.0000762 | 0.000258 | 0.00156 | 0.00000629 |
| 2049 Feb | 0.00000258 | 1.57 | 0.00193 | 1.72 | 0.0248 | 0.00028 | 1.15 | 0.00142 | 0.0047 | 0.0000347 | 0.0000525 | 0.0000263 | 0.0617 | 0.00000515 | 0.0000762 | 0.000258 | 0.00156 | 0.00000629 |
| 2049 Mar | 0.00000258 | 1.57 | 0.00193 | 1.72 | 0.0248 | 0.00028 | 1.15 | 0.00142 | 0.0047 | 0.0000347 | 0.0000525 | 0.0000263 | 0.0617 | 0.00000515 | 0.0000762 | 0.000258 | 0.00156 | 0.00000629 |
| 2049 Apr | 0.00000258 | 1.57 | 0.00193 | 1.72 | 0.0248 | 0.000281 | 1.15 | 0.00142 | 0.0047 | 0.0000347 | 0.0000525 | 0.0000263 | 0.0618 | 0.00000516 | 0.0000763 | 0.000259 | 0.00156 | 0.00000629 |
| 2049 May | 0.00000259 | 1.58 | 0.00193 | 1.73 | 0.0249 | 0.000282 | 1.15 | 0.00142 | 0.00472 | 0.0000348 | 0.0000527 | 0.0000264 | 0.062 | 0.00000517 | 0.0000765 | 0.000259 | 0.00156 | 0.00000631 |
| 2049 Jun | 0.00000255 | 1.56 | 0.00192 | 1.71 | 0.0246 | 0.000279 | 1.14 | 0.00141 | 0.00468 | 0.000037 | 0.000052 | 0.0000259 | 0.0614 | 0.0000051 | 0.0000757 | 0.000256 | 0.00155 | 0.00000547 |
| 2049 Jul | 0.00000253 | 1.54 | 0.00188 | 1.7 | 0.0241 | 0.000273 | 1.13 | 0.00139 | 0.00461 | 0.0000383 | 0.0000516 | 0.0000257 | 0.0604 | 0.00000506 | 0.0000742 | 0.000254 | 0.00154 | 0.00000496 |
| 2049 Aug | 0.00000255 | 1.56 | 0.0019 | 1.72 | 0.0243 | 0.000276 | 1.14 | 0.0014 | 0.00466 | 0.0000387 | 0.000052 | 0.0000259 | 0.0611 | 0.0000051 | 0.000075 | 0.000256 | 0.00155 | 0.00000484 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 0.00000255 | 1.56 | 0.0019 | 1.71 | 0.0245 | 0.000277 | 1.14 | 0.00141 | 0.00467 | 0.0000386 | 0.0000519 | 0.0000259 | 0.0612 | 0.00000509 | 0.0000752 | 0.000255 | 0.00155 | 0.00000467 |
| 2049 Oct | 0.00000254 | 1.55 | 0.00189 | 1.71 | 0.0243 | 0.000275 | 1.14 | 0.0014 | 0.00465 | 0.0000387 | 0.0000518 | 0.0000258 | 0.0609 | 0.00000508 | 0.0000748 | 0.000255 | 0.00154 | 0.00000457 |
| 2049 Nov | 0.00000254 | 1.55 | 0.00189 | 1.71 | 0.0242 | 0.000274 | 1.13 | 0.0014 | 0.00463 | 0.0000389 | 0.0000519 | 0.0000258 | 0.0607 | 0.00000509 | 0.0000745 | 0.000255 | 0.00154 | 0.00000455 |
| 2049 Dec | 0.00000254 | 1.55 | 0.00189 | 1.71 | 0.0242 | 0.000274 | 1.13 | 0.0014 | 0.00463 | 0.0000389 | 0.0000519 | 0.0000258 | 0.0607 | 0.00000509 | 0.0000745 | 0.000255 | 0.00154 | 0.00000454 |
| 2050 Jan | 0.00000254 | 1.55 | 0.00189 | 1.71 | 0.0242 | 0.000274 | 1.13 | 0.0014 | 0.00463 | 0.0000389 | 0.0000519 | 0.0000258 | 0.0607 | 0.00000509 | 0.0000745 | 0.000255 | 0.00154 | 0.00000454 |
| 2050 Feb | 0.00000254 | 1.55 | 0.00189 | 1.71 | 0.0242 | 0.000274 | 1.13 | 0.0014 | 0.00463 | 0.0000389 | 0.0000519 | 0.0000258 | 0.0607 | 0.00000509 | 0.0000745 | 0.000255 | 0.00154 | 0.00000454 |
| 2050 Mar | 0.00000254 | 1.55 | 0.00189 | 1.71 | 0.0242 | 0.000274 | 1.13 | 0.0014 | 0.00463 | 0.0000389 | 0.0000519 | 0.0000258 | 0.0607 | 0.00000509 | 0.0000745 | 0.000255 | 0.00154 | 0.00000454 |
| 2050 Apr | 0.00000254 | 1.55 | 0.00189 | 1.71 | 0.0242 | 0.000274 | 1.13 | 0.0014 | 0.00463 | 0.000039 | 0.0000519 | 0.0000259 | 0.0607 | 0.00000509 | 0.0000745 | 0.000255 | 0.00155 | 0.00000454 |
| 2050 May | 0.00000255 | 1.56 | 0.00189 | 1.71 | 0.0242 | 0.000275 | 1.14 | 0.0014 | 0.00465 | 0.0000391 | 0.000052 | 0.0000259 | 0.0609 | 0.0000051 | 0.0000747 | 0.000256 | 0.00155 | 0.00000455 |
| 2050 Jun | 0.00000254 | 1.56 | 0.0019 | 1.71 | 0.0245 | 0.000277 | 1.14 | 0.0014 | 0.00467 | 0.0000391 | 0.0000517 | 0.0000257 | 0.0612 | 0.00000507 | 0.0000752 | 0.000254 | 0.00154 | 0.00000413 |
| 2050 Jul | 0.00000253 | 1.56 | 0.0019 | 1.71 | 0.0244 | 0.000276 | 1.14 | 0.0014 | 0.00466 | 0.0000396 | 0.0000516 | 0.0000257 | 0.0611 | 0.00000507 | 0.0000749 | 0.000254 | 0.00154 | 0.00000372 |
| 2050 Aug | 0.00000256 | 1.57 | 0.00191 | 1.73 | 0.0245 | 0.000278 | 1.15 | 0.00141 | 0.0047 | 0.00004 | 0.0000521 | 0.0000259 | 0.0616 | 0.00000511 | 0.0000755 | 0.000256 | 0.00155 | 0.00000365 |
| 2050 Sep | 0.00000256 | 1.58 | 0.00193 | 1.73 | 0.0248 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.0000398 | 0.0000521 | 0.0000259 | 0.062 | 0.00000512 | 0.0000761 | 0.000256 | 0.00155 | 0.00000354 |
| 2050 Oct | 0.00000256 | 1.58 | 0.00192 | 1.73 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.0000399 | 0.0000522 | 0.000026 | 0.0619 | 0.00000513 | 0.0000759 | 0.000257 | 0.00156 | 0.00000352 |
| 2050 Nov | 0.00000257 | 1.58 | 0.00192 | 1.73 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.00004 | 0.0000522 | 0.000026 | 0.0619 | 0.00000513 | 0.000076 | 0.000257 | 0.00156 | 0.00000352 |
| 2050 Dec | 0.00000257 | 1.58 | 0.00192 | 1.73 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.00004 | 0.0000522 | 0.000026 | 0.0619 | 0.00000513 | 0.000076 | 0.000257 | 0.00156 | 0.00000352 |
| 2051 Jan | 0.00000257 | 1.58 | 0.00192 | 1.73 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.00004 | 0.0000522 | 0.000026 | 0.0619 | 0.00000513 | 0.000076 | 0.000257 | 0.00156 | 0.00000352 |
| 2051 Feb | 0.00000257 | 1.58 | 0.00192 | 1.73 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.00004 | 0.0000522 | 0.000026 | 0.0619 | 0.00000513 | 0.000076 | 0.000257 | 0.00156 | 0.00000352 |
| 2051 Mar | 0.00000257 | 1.58 | 0.00193 | 1.73 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.00004 | 0.0000523 | 0.000026 | 0.0619 | 0.00000513 | 0.000076 | 0.000257 | 0.00156 | 0.00000352 |
| 2051 Apr | 0.00000257 | 1.58 | 0.00193 | 1.73 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.00004 | 0.0000523 | 0.000026 | 0.062 | 0.00000513 | 0.000076 | 0.000257 | 0.00156 | 0.00000352 |
| 2051 May | 0.00000257 | 1.59 | 0.00194 | 1.74 | 0.0249 | 0.000282 | 1.16 | 0.00143 | 0.00476 | 0.00004 | 0.0000524 | 0.0000261 | 0.0623 | 0.00000515 | 0.0000764 | 0.000258 | 0.00156 | 0.00000351 |
| 2051 Jun | 0.00000253 | 1.56 | 0.00191 | 1.71 | 0.0245 | 0.000277 | 1.14 | 0.0014 | 0.00468 | 0.0000383 | 0.0000514 | 0.0000256 | 0.0613 | 0.00000506 | 0.0000752 | 0.000253 | 0.00154 | 0.00000296 |
| 2051 Jul | 0.00000254 | 1.56 | 0.0019 | 1.71 | 0.0243 | 0.000275 | 1.14 | 0.0014 | 0.00466 | 0.0000382 | 0.0000516 | 0.0000257 | 0.061 | 0.00000508 | 0.0000748 | 0.000254 | 0.00154 | 0.00000276 |
| 2051 Aug | 0.00000255 | 1.57 | 0.00192 | 1.73 | 0.0247 | 0.000279 | 1.15 | 0.00142 | 0.00472 | 0.0000381 | 0.0000518 | 0.0000258 | 0.0618 | 0.0000051 | 0.0000758 | 0.000256 | 0.00155 | 0.00000265 |
| 2051 Sep | 0.00000256 | 1.58 | 0.00193 | 1.73 | 0.0248 | 0.00028 | 1.15 | 0.00142 | 0.00473 | 0.0000379 | 0.0000519 | 0.0000259 | 0.062 | 0.00000511 | 0.000076 | 0.000256 | 0.00155 | 0.00000258 |
| 2051 Oct | 0.00000255 | 1.57 | 0.00192 | 1.72 | 0.0247 | 0.00028 | 1.15 | 0.00142 | 0.00472 | 0.0000378 | 0.0000518 | 0.0000258 | 0.0618 | 0.0000051 | 0.0000759 | 0.000255 | 0.00155 | 0.00000253 |
| 2051 Nov | 0.00000255 | 1.57 | 0.00191 | 1.72 | 0.0245 | 0.000277 | 1.14 | 0.00141 | 0.00469 | 0.0000381 | 0.0000517 | 0.0000258 | 0.0614 | 0.0000051 | 0.0000753 | 0.000255 | 0.00155 | 0.00000249 |
| 2051 Dec | 0.00000255 | 1.56 | 0.00191 | 1.72 | 0.0245 | 0.000277 | 1.14 | 0.00141 | 0.00469 | 0.0000381 | 0.0000517 | 0.0000258 | 0.0614 | 0.0000051 | 0.0000752 | 0.000255 | 0.00155 | 0.00000249 |
| 2052 Jan | 0.00000255 | 1.56 | 0.00191 | 1.72 | 0.0245 | 0.000277 | 1.14 | 0.00141 | 0.00469 | 0.0000381 | 0.0000517 | 0.0000258 | 0.0614 | 0.0000051 | 0.0000752 | 0.000255 | 0.00155 | 0.00000249 |
| 2052 Feb | 0.00000255 | 1.56 | 0.00191 | 1.72 | 0.0245 | 0.000277 | 1.14 | 0.00141 | 0.00469 | 0.0000381 | 0.0000517 | 0.0000258 | 0.0614 | 0.0000051 | 0.0000752 | 0.000255 | 0.00155 | 0.00000249 |
| 2052 Mar | 0.00000255 | 1.56 | 0.00191 | 1.72 | 0.0245 | 0.000277 | 1.14 | 0.00141 | 0.00469 | 0.0000381 | 0.0000518 | 0.0000258 | 0.0614 | 0.0000051 | 0.0000752 | 0.000255 | 0.00155 | 0.00000249 |
| 2052 Apr | 0.00000255 | 1.57 | 0.00191 | 1.72 | 0.0245 | 0.000277 | 1.14 | 0.00141 | 0.00469 | 0.0000382 | 0.0000518 | 0.0000258 | 0.0614 | 0.0000051 | 0.0000752 | 0.000255 | 0.00155 | 0.00000249 |
| 2052 May | 0.00000256 | 1.57 | 0.00192 | 1.73 | 0.0246 | 0.000279 | 1.15 | 0.00142 | 0.00472 | 0.0000382 | 0.0000519 | 0.0000259 | 0.0617 | 0.00000511 | 0.0000757 | 0.000256 | 0.00155 | 0.00000248 |
| 2052 Jun | 0.00000254 | 1.57 | 0.00193 | 1.72 | 0.0248 | 0.00028 | 1.14 | 0.00142 | 0.00472 | 0.0000387 | 0.0000516 | 0.0000257 | 0.0619 | 0.00000508 | 0.000076 | 0.000254 | 0.00154 | 0.00000221 |
| 2052 Jul | 0.00000257 | 1.58 | 0.00194 | 1.73 | 0.0249 | 0.000281 | 1.15 | 0.00143 | 0.00475 | 0.0000394 | 0.0000522 | 0.000026 | 0.0622 | 0.00000514 | 0.0000764 | 0.000257 | 0.00156 | 0.00000211 |
| 2052 Aug | 0.00000258 | 1.6 | 0.00196 | 1.75 | 0.0253 | 0.000285 | 1.16 | 0.00144 | 0.00481 | 0.0000395 | 0.0000525 | 0.0000261 | 0.063 | 0.00000517 | 0.0000774 | 0.000259 | 0.00157 | 0.00000206 |
| 2052 Sep | 0.00000259 | 1.6 | 0.00197 | 1.75 | 0.0255 | 0.000287 | 1.17 | 0.00145 | 0.00483 | 0.0000395 | 0.0000525 | 0.0000262 | 0.0633 | 0.00000518 | 0.0000779 | 0.000259 | 0.00157 | 0.000002 |
| 2052 Oct | 0.00000259 | 1.6 | 0.00197 | 1.75 | 0.0254 | 0.000287 | 1.17 | 0.00145 | 0.00483 | 0.0000396 | 0.0000526 | 0.0000262 | 0.0632 | 0.00000518 | 0.0000777 | 0.000259 | 0.00157 | 0.00000198 |
| 2052 Nov | 0.00000259 | 1.6 | 0.00197 | 1.75 | 0.0254 | 0.000287 | 1.17 | 0.00145 | 0.00483 | 0.0000396 | 0.0000526 | 0.0000262 | 0.0632 | 0.00000518 | 0.0000777 | 0.000259 | 0.00157 | 0.00000198 |
| 2052 Dec | 0.00000259 | 1.6 | 0.00197 | 1.75 | 0.0254 | 0.000287 | 1.17 | 0.00145 | 0.00483 | 0.0000396 | 0.0000526 | 0.0000262 | 0.0632 | 0.00000518 | 0.0000777 | 0.000259 | 0.00157 | 0.00000198 |
| 2053 Jan | 0.00000259 | 1.6 | 0.00197 | 1.75 | 0.0254 | 0.000287 | 1.17 | 0.00145 | 0.00483 | 0.0000396 | 0.0000526 | 0.0000262 | 0.0632 | 0.00000518 | 0.0000777 | 0.000259 | 0.00157 | 0.00000198 |
| 2053 Feb | 0.00000259 | 1.6 | 0.00197 | 1.75 | 0.0254 | 0.000287 | 1.17 | 0.00145 | 0.00483 | 0.0000396 | 0.0000526 | 0.0000262 | 0.0632 | 0.00000518 | 0.0000777 | 0.000259 | 0.00157 | 0.00000198 |
| 2053 Mar | 0.00000259 | 1.6 | 0.00197 | 1.75 | 0.0254 | 0.000287 | 1.17 | 0.00145 | 0.00483 | 0.0000396 | 0.0000526 | 0.0000262 | 0.0632 | 0.00000518 | 0.0000777 | 0.000259 | 0.00157 | 0.00000198 |
| 2053 Apr | 0.00000259 | 1.6 | 0.00197 | 1.75 | 0.0254 | 0.000287 | 1.17 | 0.00145 | 0.00483 | 0.0000396 | 0.0000526 | 0.0000262 | 0.0633 | 0.00000518 | 0.0000778 | 0.000259 | 0.00157 | 0.00000198 |
| 2053 May | 0.0000026 | 1.61 | 0.00199 | 1.76 | 0.0257 | 0.00029 | 1.17 | 0.00146 | 0.00487 | 0.0000395 | 0.0000527 | 0.0000263 | 0.0638 | 0.00000519 | 0.0000786 | 0.00026 | 0.00158 | 0.00000195 |
| 2053 Jun | 0.00000256 | 1.58 | 0.00194 | 1.73 | 0.025 | 0.000282 | 1.15 | 0.00143 | 0.00475 | 0.0000387 | 0.0000518 | 0.0000258 | 0.0622 | 0.00000511 | 0.0000765 | 0.000256 | 0.00155 | 0.00000169 |
| 2053 Jul | 0.00000258 | 1.59 | 0.00194 | 1.74 | 0.0249 | 0.000282 | 1.16 | 0.00143 | 0.00475 | 0.0000391 | 0.0000523 | 0.0000261 | 0.0623 | 0.00000516 | 0.0000765 | 0.000258 | 0.00157 | 0.00000162 |
| 2053 Aug | 0.0000026 | 1.61 | 0.00197 | 1.76 | 0.0254 | 0.000287 | 1.17 | 0.00145 | 0.00482 | 0.0000392 | 0.0000528 | 0.0000263 | 0.0633 | 0.0000052 | 0.0000777 | 0.00026 | 0.00158 | 0.00000159 |
| 2053 Sep | 0.00000261 | 1.61 | 0.00198 | 1.76 | 0.0256 | 0.000289 | 1.17 | 0.00146 | 0.00486 | 0.0000392 | 0.000053 | 0.0000264 | 0.0637 | 0.00000522 | 0.0000783 | 0.000261 | 0.00159 | 0.00000156 |
| 2053 Oct | 0.00000261 | 1.62 | 0.00199 | 1.77 | 0.0256 | 0.000289 | 1.18 | 0.00146 | 0.00486 | 0.0000392 | 0.000053 | 0.0000264 | 0.0638 | 0.00000522 | 0.0000784 | 0.000261 | 0.00159 | 0.00000154 |
| 2053 Nov | 0.00000261 | 1.62 | 0.00199 | 1.77 | 0.0256 | 0.000289 | 1.18 | 0.00146 | 0.00486 | 0.0000392 | 0.000053 | 0.0000264 | 0.0638 | 0.00000522 | 0.0000785 | 0.000261 | 0.00159 | 0.00000152 |
| 2053 Dec | 0.00000261 | 1.62 | 0.00199 | 1.77 | 0.0256 | 0.000289 | 1.18 | 0.00146 | 0.00486 | 0.0000392 | 0.000053 | 0.0000264 | 0.0638 | 0.00000522 | 0.0000784 | 0.000261 | 0.00159 | 0.00000152 |
| 2054 Jan | 0.00000261 | 1.62 | 0.00199 | 1.77 | 0.0256 | 0.000289 | 1.18 | 0.00146 | 0.00486 | 0.0000392 | 0.000053 | 0.0000264 | 0.0638 | 0.00000522 | 0.0000784 | 0.000261 | 0.00159 | 0.00000152 |
| 2054 Feb | 0.00000261 | 1.62 | 0.00199 | 1.77 | 0.0256 | 0.000289 | 1.18 | 0.00146 | 0.00486 | 0.0000392 | 0.000053 | 0.0000264 | 0.0638 | 0.00000522 | 0.0000784 | 0.000261 | 0.00159 | 0.00000152 |
| 2054 Mar | 0.00000261 | 1.62 | 0.00199 | 1.77 | 0.0256 | 0.000289 | 1.18 | 0.00146 | 0.00486 | 0.0000392 | 0.000053 | 0.0000264 | 0.0638 | 0.00000522 | 0.0000784 | 0.000261 | 0.00159 | 0.00000152 |
| 2054 Apr | 0.00000261 | 1.62 | 0.00199 | 1.77 | 0.0256 | 0.000289 | 1.18 | 0.00146 | 0.00486 | 0.0000392 | 0.000053 | 0.0000264 | 0.0638 | 0.00000523 | 0.0000785 | 0.000262 | 0.00159 | 0.00000152 |
| 2054 May | 0.00000262 | 1.62 | 0.002 | 1.77 | 0.0258 | 0.000291 | 1.18 | 0.00147 | 0.00489 | 0.0000393 | 0.0000532 | 0.0000265 | 0.0641 | 0.00000524 | 0.0000789 | 0.000262 | 0.00159 | 0.00000152 |
| 2054 Jun | 0.00000258 | 1.59 | 0.00196 | 1.74 | 0.0253 | 0.000286 | 1.16 | 0.00144 | 0.00479 | 0.0000381 | 0.0000522 | 0.000026 | 0.0629 | 0.00000516 | 0.0000775 | 0.000258 | 0.00156 | 0.00000133 |
| 2054 Jul | 0.00000257 | 1.58 | 0.00194 | 1.73 | 0.0249 | 0.000281 | 1.15 | 0.00143 | 0.00473 | 0.0000378 | 0.000052 | 0.0000259 | 0.0621 | 0.00000513 | 0.0000764 | 0.000257 | 0.00156 | 0.00000125 |
| 2054 Aug | 0.00000256 | 1.57 | 0.00193 | 1.72 | 0.0248 | 0.00028 | 1.15 | 0.00142 | 0.00471 | 0.0000373 | 0.0000518 | 0.0000258 | 0.0619 | 0.00000511 | 0.0000761 | 0.000256 | 0.00155 | 0.00000118 |
| 2054 Sep | 0.00000255 | 1.56 | 0.00191 | 1.71 | 0.0245 | 0.000277 | 1.14 | 0.00141 | 0.00467 | 0.000037 | 0.0000516 | 0.0000257 | 0.0613 | 0.0000051 | 0.0000754 | 0.000255 | 0.00155 | 0.00000113 |
| 2054 Oct | 0.00000253 | 1.55 | 0.0019 | 1.7 | 0.0244 | 0.000275 | 1.13 | 0.0014 | 0.00463 | 0.000037 | 0.0000513 | 0.0000256 | 0.0608 | 0.00000507 | 0.0000748 | 0.000254 | 0.00154 | 0.00000109 |
| 2054 Nov | 0.00000253 | 1.54 | 0.00188 | 1.69 | 0.024 | 0.000272 | 1.12 | 0.00139 | 0.00459 | 0.0000379 | 0.0000513 | 0.0000255 | 0.0603 | 0.00000506 | 0.000074 | 0.000253 | 0.00154 | 0.00000107 |
| 2054 Dec | 0.00000253 | 1.54 | 0.00187 | 1.69 | 0.024 | 0.000271 | 1.12 | 0.00139 | 0.00458 | 0.000038 | 0.0000513 | 0.0000255 | 0.0602 | 0.00000506 | 0.0000738 | 0.000253 | 0.00154 | 0.00000106 |
| 2055 Jan | 0.00000253 | 1.54 | 0.00187 | 1.69 | 0.024 | 0.000271 | 1.12 | 0.00139 | 0.00458 | 0.000038 | 0.0000513 | 0.0000255 | 0.0601 | 0.00000506 | 0.0000738 | 0.000253 | 0.00154 | 0.00000106 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 0.00000253 | 1.54 | 0.00187 | 1.69 | 0.024 | 0.000271 | 1.12 | 0.00139 | 0.00458 | 0.000038 | 0.0000513 | 0.0000255 | 0.0601 | 0.00000506 | 0.0000738 | 0.000253 | 0.00154 | 0.00000106 |
| 2055 Mar | 0.00000253 | 1.54 | 0.00187 | 1.69 | 0.024 | 0.000271 | 1.12 | 0.00139 | 0.00458 | 0.000038 | 0.0000513 | 0.0000255 | 0.0601 | 0.00000506 | 0.0000738 | 0.000253 | 0.00154 | 0.00000106 |
| 2055 Apr | 0.00000253 | 1.54 | 0.00188 | 1.69 | 0.024 | 0.000271 | 1.12 | 0.00139 | 0.00458 | 0.0000381 | 0.0000513 | 0.0000255 | 0.0602 | 0.00000506 | 0.0000738 | 0.000253 | 0.00154 | 0.00000106 |
| 2055 May | 0.00000254 | 1.54 | 0.00188 | 1.7 | 0.024 | 0.000272 | 1.13 | 0.00139 | 0.00459 | 0.0000382 | 0.0000515 | 0.0000256 | 0.0603 | 0.00000508 | 0.000074 | 0.000254 | 0.00154 | 0.00000107 |
| 2055 Jun | 0.00000252 | 1.54 | 0.00189 | 1.69 | 0.0242 | 0.000274 | 1.12 | 0.00139 | 0.0046 | 0.0000401 | 0.0000511 | 0.0000254 | 0.0605 | 0.00000504 | 0.0000744 | 0.000252 | 0.00153 | 0.000000944 |
| 2055 Jul | 0.00000253 | 1.54 | 0.00189 | 1.69 | 0.0242 | 0.000273 | 1.12 | 0.00139 | 0.0046 | 0.0000416 | 0.0000513 | 0.0000255 | 0.0605 | 0.00000505 | 0.0000743 | 0.000253 | 0.00154 | 0.000000857 |
| 2055 Aug | 0.00000254 | 1.55 | 0.0019 | 1.7 | 0.0244 | 0.000276 | 1.13 | 0.0014 | 0.00464 | 0.0000418 | 0.0000516 | 0.0000256 | 0.061 | 0.00000507 | 0.000075 | 0.000254 | 0.00154 | 0.000000825 |
| 2055 Sep | 0.00000253 | 1.55 | 0.0019 | 1.69 | 0.0244 | 0.000276 | 1.13 | 0.0014 | 0.00464 | 0.0000417 | 0.0000514 | 0.0000255 | 0.0609 | 0.00000506 | 0.0000749 | 0.000253 | 0.00154 | 0.000000796 |
| 2055 Oct | 0.00000253 | 1.54 | 0.00189 | 1.69 | 0.0242 | 0.000274 | 1.12 | 0.00139 | 0.00461 | 0.000042 | 0.0000514 | 0.0000255 | 0.0605 | 0.00000505 | 0.0000744 | 0.000253 | 0.00154 | 0.000000779 |
| 2055 Nov | 0.00000253 | 1.54 | 0.00188 | 1.69 | 0.0241 | 0.000273 | 1.12 | 0.00139 | 0.0046 | 0.000042 | 0.0000514 | 0.0000255 | 0.0604 | 0.00000505 | 0.0000742 | 0.000253 | 0.00154 | 0.000000774 |
| 2055 Dec | 0.00000253 | 1.54 | 0.00188 | 1.69 | 0.0241 | 0.000273 | 1.12 | 0.00139 | 0.00459 | 0.000042 | 0.0000514 | 0.0000255 | 0.0604 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000772 |
| 2056 Jan | 0.00000253 | 1.54 | 0.00188 | 1.69 | 0.0241 | 0.000273 | 1.12 | 0.00139 | 0.00459 | 0.0000421 | 0.0000514 | 0.0000255 | 0.0603 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000772 |
| 2056 Feb | 0.00000253 | 1.54 | 0.00188 | 1.69 | 0.0241 | 0.000273 | 1.12 | 0.00139 | 0.00459 | 0.0000421 | 0.0000514 | 0.0000255 | 0.0603 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000772 |
| 2056 Mar | 0.00000253 | 1.54 | 0.00188 | 1.69 | 0.0241 | 0.000273 | 1.12 | 0.00139 | 0.00459 | 0.0000421 | 0.0000514 | 0.0000255 | 0.0604 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000772 |
| 2056 Apr | 0.00000253 | 1.54 | 0.00188 | 1.69 | 0.0241 | 0.000273 | 1.12 | 0.00139 | 0.00459 | 0.0000421 | 0.0000514 | 0.0000255 | 0.0604 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000772 |
| 2056 May | 0.00000253 | 1.55 | 0.0019 | 1.69 | 0.0244 | 0.000276 | 1.13 | 0.0014 | 0.00463 | 0.0000419 | 0.0000515 | 0.0000255 | 0.0609 | 0.00000506 | 0.0000749 | 0.000253 | 0.00154 | 0.000000757 |
| 2056 Jun | 0.0000025 | 1.52 | 0.00187 | 1.66 | 0.024 | 0.000271 | 1.11 | 0.00137 | 0.00453 | 0.0000406 | 0.0000507 | 0.0000252 | 0.0597 | 0.00000499 | 0.0000736 | 0.00025 | 0.00152 | 0.000000631 |
| 2056 Jul | 0.00000252 | 1.53 | 0.00188 | 1.67 | 0.0241 | 0.000272 | 1.11 | 0.00138 | 0.00456 | 0.0000408 | 0.0000512 | 0.0000254 | 0.06 | 0.00000504 | 0.0000739 | 0.000252 | 0.00153 | 0.000000609 |
| 2056 Aug | 0.00000255 | 1.55 | 0.0019 | 1.69 | 0.0244 | 0.000276 | 1.13 | 0.0014 | 0.00462 | 0.0000411 | 0.0000517 | 0.0000257 | 0.0608 | 0.00000509 | 0.000075 | 0.000255 | 0.00155 | 0.000000603 |
| 2056 Sep | 0.00000256 | 1.56 | 0.00192 | 1.7 | 0.0247 | 0.000279 | 1.13 | 0.00141 | 0.00466 | 0.0000411 | 0.0000519 | 0.0000258 | 0.0614 | 0.00000511 | 0.0000758 | 0.000256 | 0.00155 | 0.000000595 |
| 2056 Oct | 0.00000254 | 1.56 | 0.00193 | 1.7 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00467 | 0.0000408 | 0.0000516 | 0.0000257 | 0.0615 | 0.00000509 | 0.000076 | 0.000254 | 0.00155 | 0.000000568 |
| 2056 Nov | 0.00000254 | 1.55 | 0.00191 | 1.69 | 0.0246 | 0.000278 | 1.13 | 0.0014 | 0.00464 | 0.0000411 | 0.0000516 | 0.0000257 | 0.0611 | 0.00000509 | 0.0000755 | 0.000254 | 0.00155 | 0.000000562 |
| 2056 Dec | 0.00000254 | 1.55 | 0.00191 | 1.69 | 0.0246 | 0.000278 | 1.13 | 0.0014 | 0.00464 | 0.0000412 | 0.0000516 | 0.0000257 | 0.0611 | 0.00000509 | 0.0000754 | 0.000254 | 0.00155 | 0.000000561 |
| 2057 Jan | 0.00000254 | 1.55 | 0.00191 | 1.69 | 0.0246 | 0.000278 | 1.13 | 0.0014 | 0.00464 | 0.0000412 | 0.0000516 | 0.0000257 | 0.0611 | 0.00000509 | 0.0000754 | 0.000254 | 0.00155 | 0.000000561 |
| 2057 Feb | 0.00000254 | 1.55 | 0.00191 | 1.69 | 0.0246 | 0.000278 | 1.13 | 0.0014 | 0.00464 | 0.0000412 | 0.0000516 | 0.0000257 | 0.0611 | 0.00000509 | 0.0000754 | 0.000254 | 0.00155 | 0.000000561 |
| 2057 Mar | 0.00000254 | 1.55 | 0.00191 | 1.69 | 0.0246 | 0.000278 | 1.13 | 0.0014 | 0.00464 | 0.0000412 | 0.0000516 | 0.0000257 | 0.0611 | 0.00000509 | 0.0000754 | 0.000254 | 0.00155 | 0.000000561 |
| 2057 Apr | 0.00000254 | 1.55 | 0.00191 | 1.69 | 0.0246 | 0.000278 | 1.13 | 0.0014 | 0.00464 | 0.0000412 | 0.0000517 | 0.0000257 | 0.0611 | 0.00000509 | 0.0000754 | 0.000255 | 0.00155 | 0.000000561 |
| 2057 May | 0.00000255 | 1.56 | 0.00193 | 1.7 | 0.0249 | 0.000281 | 1.13 | 0.00141 | 0.00468 | 0.0000412 | 0.0000518 | 0.0000257 | 0.0617 | 0.0000051 | 0.0000762 | 0.000255 | 0.00155 | 0.00000055 |
| 2057 Jun | 0.00000253 | 1.54 | 0.00191 | 1.68 | 0.0247 | 0.000278 | 1.12 | 0.0014 | 0.00462 | 0.0000418 | 0.0000514 | 0.0000255 | 0.061 | 0.00000506 | 0.0000755 | 0.000253 | 0.00154 | 0.000000488 |
| 2057 Jul | 0.00000255 | 1.56 | 0.00193 | 1.7 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00466 | 0.0000423 | 0.0000519 | 0.0000257 | 0.0615 | 0.0000051 | 0.0000761 | 0.000255 | 0.00155 | 0.000000471 |
| 2057 Aug | 0.00000258 | 1.58 | 0.00196 | 1.72 | 0.0252 | 0.000285 | 1.15 | 0.00143 | 0.00472 | 0.0000426 | 0.0000524 | 0.000026 | 0.0624 | 0.00000516 | 0.0000772 | 0.000258 | 0.00157 | 0.000000462 |
| 2057 Sep | 0.00000257 | 1.58 | 0.00197 | 1.72 | 0.0254 | 0.000287 | 1.15 | 0.00144 | 0.00474 | 0.0000422 | 0.0000523 | 0.000026 | 0.0627 | 0.00000515 | 0.0000777 | 0.000257 | 0.00157 | 0.000000446 |
| 2057 Oct | 0.00000256 | 1.57 | 0.00195 | 1.71 | 0.0252 | 0.000284 | 1.14 | 0.00143 | 0.0047 | 0.0000422 | 0.0000521 | 0.0000259 | 0.0621 | 0.00000513 | 0.000077 | 0.000257 | 0.00156 | 0.000000434 |
| 2057 Nov | 0.00000257 | 1.56 | 0.00194 | 1.7 | 0.025 | 0.000282 | 1.14 | 0.00142 | 0.00468 | 0.0000424 | 0.0000521 | 0.0000259 | 0.0619 | 0.00000513 | 0.0000767 | 0.000257 | 0.00156 | 0.000000431 |
| 2057 Dec | 0.00000257 | 1.56 | 0.00194 | 1.7 | 0.025 | 0.000282 | 1.14 | 0.00142 | 0.00468 | 0.0000425 | 0.0000521 | 0.0000259 | 0.0618 | 0.00000513 | 0.0000766 | 0.000257 | 0.00156 | 0.000000431 |
| 2058 Jan | 0.00000257 | 1.56 | 0.00194 | 1.7 | 0.025 | 0.000282 | 1.14 | 0.00142 | 0.00468 | 0.0000425 | 0.0000521 | 0.0000259 | 0.0618 | 0.00000513 | 0.0000766 | 0.000257 | 0.00156 | 0.00000043 |
| 2058 Feb | 0.00000257 | 1.56 | 0.00194 | 1.7 | 0.025 | 0.000282 | 1.14 | 0.00142 | 0.00468 | 0.0000425 | 0.0000521 | 0.0000259 | 0.0618 | 0.00000513 | 0.0000766 | 0.000257 | 0.00156 | 0.00000043 |
| 2058 Mar | 0.00000257 | 1.56 | 0.00194 | 1.7 | 0.025 | 0.000282 | 1.14 | 0.00142 | 0.00468 | 0.0000425 | 0.0000521 | 0.0000259 | 0.0618 | 0.00000513 | 0.0000766 | 0.000257 | 0.00156 | 0.00000043 |
| 2058 Apr | 0.00000257 | 1.56 | 0.00194 | 1.7 | 0.025 | 0.000282 | 1.14 | 0.00142 | 0.00468 | 0.0000425 | 0.0000521 | 0.0000259 | 0.0619 | 0.00000513 | 0.0000767 | 0.000257 | 0.00156 | 0.000000431 |
| 2058 May | 0.00000257 | 1.57 | 0.00196 | 1.71 | 0.0252 | 0.000285 | 1.14 | 0.00143 | 0.00471 | 0.0000424 | 0.0000522 | 0.0000259 | 0.0623 | 0.00000514 | 0.0000772 | 0.000257 | 0.00157 | 0.000000424 |
| 2058 Jun | 0.00000253 | 1.54 | 0.00191 | 1.67 | 0.0246 | 0.000278 | 1.12 | 0.0014 | 0.00458 | 0.0000418 | 0.0000514 | 0.0000256 | 0.0608 | 0.00000506 | 0.0000754 | 0.000253 | 0.00154 | 0.000000363 |
| 2058 Jul | 0.00000256 | 1.55 | 0.00192 | 1.69 | 0.0246 | 0.000278 | 1.13 | 0.00141 | 0.0046 | 0.0000423 | 0.000052 | 0.0000258 | 0.061 | 0.00000512 | 0.0000756 | 0.000256 | 0.00156 | 0.000000354 |
| 2058 Aug | 0.00000258 | 1.57 | 0.00194 | 1.71 | 0.025 | 0.000282 | 1.14 | 0.00142 | 0.00466 | 0.0000426 | 0.0000525 | 0.0000261 | 0.0618 | 0.00000517 | 0.0000767 | 0.000258 | 0.00157 | 0.000000351 |
| 2058 Sep | 0.00000257 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000286 | 1.14 | 0.00143 | 0.0047 | 0.0000418 | 0.0000522 | 0.000026 | 0.0623 | 0.00000514 | 0.0000774 | 0.000257 | 0.00156 | 0.000000334 |
| 2058 Oct | 0.00000256 | 1.56 | 0.00194 | 1.69 | 0.025 | 0.000282 | 1.13 | 0.00142 | 0.00465 | 0.0000416 | 0.000052 | 0.0000259 | 0.0617 | 0.00000512 | 0.0000767 | 0.000256 | 0.00156 | 0.00000032 |
| 2058 Nov | 0.00000256 | 1.55 | 0.00193 | 1.69 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00462 | 0.0000418 | 0.000052 | 0.0000259 | 0.0613 | 0.00000512 | 0.0000761 | 0.000256 | 0.00156 | 0.000000317 |
| 2058 Dec | 0.00000256 | 1.55 | 0.00193 | 1.69 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00462 | 0.0000418 | 0.000052 | 0.0000259 | 0.0613 | 0.00000512 | 0.0000761 | 0.000256 | 0.00156 | 0.000000316 |
| 2059 Jan | 0.00000256 | 1.55 | 0.00193 | 1.69 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00462 | 0.0000418 | 0.000052 | 0.0000259 | 0.0613 | 0.00000512 | 0.0000761 | 0.000256 | 0.00156 | 0.000000316 |
| 2059 Feb | 0.00000256 | 1.55 | 0.00193 | 1.69 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00462 | 0.0000418 | 0.000052 | 0.0000259 | 0.0613 | 0.00000512 | 0.0000761 | 0.000256 | 0.00156 | 0.000000316 |
| 2059 Mar | 0.00000256 | 1.55 | 0.00193 | 1.69 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00462 | 0.0000418 | 0.000052 | 0.0000259 | 0.0613 | 0.00000512 | 0.0000761 | 0.000256 | 0.00156 | 0.000000316 |
| 2059 Apr | 0.00000256 | 1.55 | 0.00193 | 1.69 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00462 | 0.0000418 | 0.000052 | 0.0000259 | 0.0613 | 0.00000512 | 0.0000761 | 0.000256 | 0.00156 | 0.000000316 |
| 2059 May | 0.00000257 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00465 | 0.0000418 | 0.0000521 | 0.000026 | 0.0617 | 0.00000514 | 0.0000767 | 0.000257 | 0.00156 | 0.000000313 |
| 2059 Jun | 0.00000255 | 1.55 | 0.00194 | 1.69 | 0.025 | 0.000281 | 1.13 | 0.00141 | 0.00462 | 0.0000414 | 0.0000518 | 0.0000258 | 0.0614 | 0.0000051 | 0.0000764 | 0.000255 | 0.00155 | 0.000000281 |
| 2059 Jul | 0.00000258 | 1.57 | 0.00196 | 1.7 | 0.0252 | 0.000284 | 1.14 | 0.00143 | 0.00467 | 0.0000419 | 0.0000524 | 0.0000261 | 0.062 | 0.00000517 | 0.0000771 | 0.000258 | 0.00157 | 0.000000274 |
| 2059 Aug | 0.0000026 | 1.58 | 0.00198 | 1.72 | 0.0255 | 0.000288 | 1.15 | 0.00144 | 0.00473 | 0.0000421 | 0.0000529 | 0.0000264 | 0.0628 | 0.00000521 | 0.0000782 | 0.00026 | 0.00159 | 0.00000027 |
| 2059 Sep | 0.0000026 | 1.59 | 0.00199 | 1.72 | 0.0258 | 0.00029 | 1.15 | 0.00145 | 0.00475 | 0.0000417 | 0.0000527 | 0.0000263 | 0.0631 | 0.0000052 | 0.0000787 | 0.00026 | 0.00158 | 0.000000262 |
| 2059 Oct | 0.00000258 | 1.57 | 0.00197 | 1.7 | 0.0254 | 0.000286 | 1.14 | 0.00143 | 0.00469 | 0.0000417 | 0.0000524 | 0.0000262 | 0.0624 | 0.00000516 | 0.0000777 | 0.000258 | 0.00157 | 0.00000025 |
| 2059 Nov | 0.00000258 | 1.56 | 0.00195 | 1.7 | 0.0252 | 0.000284 | 1.14 | 0.00142 | 0.00466 | 0.0000422 | 0.0000524 | 0.0000262 | 0.0619 | 0.00000516 | 0.0000771 | 0.000258 | 0.00157 | 0.000000247 |
| 2059 Dec | 0.00000258 | 1.56 | 0.00195 | 1.7 | 0.0252 | 0.000284 | 1.14 | 0.00142 | 0.00466 | 0.0000422 | 0.0000524 | 0.0000262 | 0.0619 | 0.00000516 | 0.000077 | 0.000258 | 0.00157 | 0.000000247 |
| 2060 Jan | 0.00000258 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000284 | 1.14 | 0.00142 | 0.00466 | 0.0000422 | 0.0000524 | 0.0000262 | 0.0619 | 0.00000516 | 0.000077 | 0.000258 | 0.00157 | 0.000000247 |
| 2060 Feb | 0.00000258 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000284 | 1.14 | 0.00142 | 0.00466 | 0.0000422 | 0.0000524 | 0.0000262 | 0.0619 | 0.00000516 | 0.000077 | 0.000258 | 0.00157 | 0.000000247 |
| 2060 Mar | 0.00000258 | 1.56 | 0.00195 | 1.7 | 0.0252 | 0.000284 | 1.14 | 0.00142 | 0.00466 | 0.0000422 | 0.0000524 | 0.0000262 | 0.0619 | 0.00000516 | 0.000077 | 0.000258 | 0.00157 | 0.000000247 |
| 2060 Apr | 0.00000258 | 1.56 | 0.00195 | 1.7 | 0.0252 | 0.000284 | 1.14 | 0.00142 | 0.00466 | 0.0000423 | 0.0000524 | 0.0000262 | 0.0619 | 0.00000517 | 0.0000771 | 0.000258 | 0.00157 | 0.000000247 |
| 2060 May | 0.00000258 | 1.56 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00467 | 0.0000427 | 0.0000523 | 0.0000261 | 0.0621 | 0.00000515 | 0.0000774 | 0.000258 | 0.00157 | 0.000000232 |
| 2060 Jun | 0.00000256 | 1.54 | 0.00193 | 1.68 | 0.0248 | 0.000279 | 1.12 | 0.0014 | 0.00458 | 0.0000436 | 0.000052 | 0.000026 | 0.061 | 0.00000511 | 0.000076 | 0.000256 | 0.00156 | 0.000000213 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 0.00000259 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00463 | 0.0000441 | 0.0000526 | 0.0000262 | 0.0618 | 0.00000517 | 0.000077 | 0.000259 | 0.00158 | 0.000000208 |
| 2060 Aug | 0.00000258 | 1.57 | 0.00197 | 1.7 | 0.0254 | 0.000287 | 1.14 | 0.00143 | 0.00468 | 0.0000437 | 0.0000525 | 0.0000262 | 0.0623 | 0.00000517 | 0.0000778 | 0.000258 | 0.00158 | 0.000000199 |
| 2060 Sep | 0.00000256 | 1.55 | 0.00194 | 1.68 | 0.0251 | 0.000282 | 1.12 | 0.00141 | 0.00461 | 0.0000433 | 0.000052 | 0.000026 | 0.0614 | 0.00000512 | 0.0000767 | 0.000256 | 0.00156 | 0.00000019 |
| 2060 Oct | 0.00000255 | 1.53 | 0.00192 | 1.67 | 0.0247 | 0.000278 | 1.11 | 0.0014 | 0.00454 | 0.0000433 | 0.0000519 | 0.0000259 | 0.0606 | 0.0000051 | 0.0000757 | 0.000255 | 0.00156 | 0.000000183 |
| 2060 Nov | 0.00000255 | 1.52 | 0.00191 | 1.66 | 0.0245 | 0.000276 | 1.11 | 0.00139 | 0.00451 | 0.0000436 | 0.0000519 | 0.0000259 | 0.0603 | 0.0000051 | 0.0000751 | 0.000255 | 0.00156 | 0.000000181 |
| 2060 Dec | 0.00000255 | 1.52 | 0.0019 | 1.66 | 0.0244 | 0.000276 | 1.11 | 0.00139 | 0.00451 | 0.0000436 | 0.0000519 | 0.0000259 | 0.0602 | 0.0000051 | 0.0000751 | 0.000255 | 0.00156 | 0.000000181 |
| 2061 Jan | 0.00000255 | 1.52 | 0.0019 | 1.66 | 0.0244 | 0.000276 | 1.11 | 0.00139 | 0.00451 | 0.0000436 | 0.0000519 | 0.0000259 | 0.0602 | 0.0000051 | 0.0000751 | 0.000255 | 0.00156 | 0.000000181 |
| 2061 Feb | 0.00000255 | 1.52 | 0.0019 | 1.66 | 0.0244 | 0.000276 | 1.11 | 0.00139 | 0.00451 | 0.0000436 | 0.0000519 | 0.0000259 | 0.0602 | 0.0000051 | 0.0000751 | 0.000255 | 0.00156 | 0.000000181 |
| 2061 Mar | 0.00000255 | 1.52 | 0.0019 | 1.66 | 0.0244 | 0.000276 | 1.11 | 0.00139 | 0.00451 | 0.0000436 | 0.0000519 | 0.0000259 | 0.0602 | 0.0000051 | 0.0000751 | 0.000255 | 0.00156 | 0.000000181 |
| 2061 Apr | 0.00000255 | 1.52 | 0.00191 | 1.66 | 0.0244 | 0.000276 | 1.11 | 0.00139 | 0.00451 | 0.0000437 | 0.0000519 | 0.0000259 | 0.0603 | 0.00000511 | 0.0000751 | 0.000255 | 0.00156 | 0.000000181 |
| 2061 May | 0.00000256 | 1.54 | 0.00193 | 1.67 | 0.0248 | 0.000279 | 1.12 | 0.0014 | 0.00456 | 0.0000435 | 0.000052 | 0.000026 | 0.0609 | 0.00000512 | 0.000076 | 0.000256 | 0.00156 | 0.000000178 |
| 2061 Jun | 0.0000025 | 1.49 | 0.00186 | 1.62 | 0.0239 | 0.00027 | 1.09 | 0.00136 | 0.0044 | 0.0000424 | 0.0000508 | 0.0000254 | 0.0588 | 0.000005 | 0.0000735 | 0.00025 | 0.00152 | 0.000000148 |
| 2061 Jul | 0.00000251 | 1.5 | 0.00187 | 1.63 | 0.024 | 0.000271 | 1.09 | 0.00136 | 0.00442 | 0.0000423 | 0.0000511 | 0.0000255 | 0.0591 | 0.00000503 | 0.0000738 | 0.000251 | 0.00153 | 0.000000139 |
| 2061 Aug | 0.00000254 | 1.51 | 0.00189 | 1.65 | 0.0243 | 0.000274 | 1.1 | 0.00138 | 0.00446 | 0.0000425 | 0.0000515 | 0.0000258 | 0.0597 | 0.00000507 | 0.0000746 | 0.000254 | 0.00155 | 0.000000136 |
| 2061 Sep | 0.00000254 | 1.52 | 0.0019 | 1.65 | 0.0245 | 0.000276 | 1.1 | 0.00138 | 0.00449 | 0.0000422 | 0.0000515 | 0.0000258 | 0.06 | 0.00000507 | 0.0000751 | 0.000254 | 0.00155 | 0.000000132 |
| 2061 Oct | 0.00000253 | 1.51 | 0.00189 | 1.64 | 0.0243 | 0.000275 | 1.1 | 0.00138 | 0.00447 | 0.000042 | 0.0000513 | 0.0000256 | 0.0598 | 0.00000505 | 0.0000747 | 0.000253 | 0.00154 | 0.000000129 |
| 2061 Nov | 0.00000253 | 1.5 | 0.00188 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00444 | 0.0000424 | 0.0000513 | 0.0000257 | 0.0594 | 0.00000505 | 0.0000742 | 0.000253 | 0.00154 | 0.000000127 |
| 2061 Dec | 0.00000253 | 1.5 | 0.00188 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00444 | 0.0000424 | 0.0000513 | 0.0000257 | 0.0594 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000127 |
| 2062 Jan | 0.00000253 | 1.5 | 0.00188 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00444 | 0.0000424 | 0.0000513 | 0.0000257 | 0.0594 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000127 |
| 2062 Feb | 0.00000253 | 1.5 | 0.00188 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00444 | 0.0000424 | 0.0000513 | 0.0000257 | 0.0594 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000127 |
| 2062 Mar | 0.00000253 | 1.5 | 0.00188 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00444 | 0.0000424 | 0.0000513 | 0.0000257 | 0.0594 | 0.00000505 | 0.0000741 | 0.000253 | 0.00154 | 0.000000127 |
| 2062 Apr | 0.00000253 | 1.5 | 0.00188 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00444 | 0.0000425 | 0.0000513 | 0.0000257 | 0.0594 | 0.00000505 | 0.0000742 | 0.000253 | 0.00154 | 0.000000127 |
| 2062 May | 0.00000253 | 1.51 | 0.00189 | 1.64 | 0.0242 | 0.000273 | 1.1 | 0.00137 | 0.00445 | 0.0000425 | 0.0000515 | 0.0000257 | 0.0595 | 0.00000506 | 0.0000743 | 0.000253 | 0.00154 | 0.000000127 |
| 2062 Jun | 0.00000251 | 1.5 | 0.00188 | 1.63 | 0.0242 | 0.000272 | 1.09 | 0.00137 | 0.00445 | 0.0000425 | 0.0000509 | 0.0000254 | 0.0594 | 0.00000501 | 0.0000741 | 0.000251 | 0.00153 | 0.000000113 |
| 2062 Jul | 0.00000249 | 1.49 | 0.00185 | 1.63 | 0.0237 | 0.000268 | 1.09 | 0.00135 | 0.0044 | 0.0000428 | 0.0000507 | 0.0000253 | 0.0587 | 0.00000499 | 0.0000729 | 0.00025 | 0.00152 | 9.94E-08 |
| 2062 Aug | 0.00000251 | 1.51 | 0.00188 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00446 | 0.0000429 | 0.0000511 | 0.0000255 | 0.0595 | 0.00000503 | 0.0000739 | 0.000251 | 0.00153 | 9.61E-08 |
| 2062 Sep | 0.0000025 | 1.51 | 0.00188 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00447 | 0.0000424 | 0.0000509 | 0.0000254 | 0.0596 | 0.00000501 | 0.0000741 | 0.00025 | 0.00153 | 9.25E-08 |
| 2062 Oct | 0.00000247 | 1.48 | 0.00184 | 1.62 | 0.0236 | 0.000266 | 1.08 | 0.00134 | 0.00439 | 0.0000425 | 0.0000503 | 0.0000251 | 0.0584 | 0.00000495 | 0.0000725 | 0.000247 | 0.00151 | 8.66E-08 |
| 2062 Nov | 0.00000247 | 1.47 | 0.00182 | 1.61 | 0.0233 | 0.000263 | 1.08 | 0.00133 | 0.00435 | 0.0000433 | 0.0000503 | 0.0000251 | 0.0579 | 0.00000494 | 0.0000718 | 0.000247 | 0.00151 | 8.49E-08 |
| 2062 Dec | 0.00000247 | 1.47 | 0.00182 | 1.61 | 0.0232 | 0.000263 | 1.08 | 0.00133 | 0.00435 | 0.0000434 | 0.0000503 | 0.0000251 | 0.0578 | 0.00000495 | 0.0000717 | 0.000247 | 0.00151 | 8.47E-08 |
| 2063 Jan | 0.00000247 | 1.47 | 0.00182 | 1.61 | 0.0232 | 0.000263 | 1.08 | 0.00133 | 0.00435 | 0.0000434 | 0.0000503 | 0.0000251 | 0.0578 | 0.00000495 | 0.0000717 | 0.000247 | 0.00151 | 8.47E-08 |
| 2063 Feb | 0.00000247 | 1.47 | 0.00182 | 1.61 | 0.0232 | 0.000263 | 1.08 | 0.00133 | 0.00435 | 0.0000434 | 0.0000503 | 0.0000251 | 0.0578 | 0.00000495 | 0.0000717 | 0.000247 | 0.00151 | 8.47E-08 |
| 2063 Mar | 0.00000247 | 1.47 | 0.00182 | 1.61 | 0.0232 | 0.000263 | 1.08 | 0.00133 | 0.00435 | 0.0000434 | 0.0000503 | 0.0000251 | 0.0578 | 0.00000495 | 0.0000717 | 0.000247 | 0.00151 | 8.47E-08 |
| 2063 Apr | 0.00000247 | 1.47 | 0.00182 | 1.61 | 0.0232 | 0.000263 | 1.08 | 0.00133 | 0.00435 | 0.0000434 | 0.0000503 | 0.0000251 | 0.0578 | 0.00000495 | 0.0000717 | 0.000247 | 0.00151 | 8.47E-08 |
| 2063 May | 0.00000248 | 1.48 | 0.00184 | 1.62 | 0.0235 | 0.000265 | 1.08 | 0.00134 | 0.00438 | 0.0000434 | 0.0000505 | 0.0000252 | 0.0583 | 0.00000496 | 0.0000723 | 0.000248 | 0.00151 | 8.43E-08 |
| 2063 Jun | 0.00000245 | 1.47 | 0.00183 | 1.61 | 0.0235 | 0.000265 | 1.07 | 0.00133 | 0.00437 | 0.0000454 | 0.0000499 | 0.0000248 | 0.0581 | 0.0000049 | 0.0000721 | 0.000245 | 0.0015 | 6.75E-08 |
| 2063 Jul | 0.00000246 | 1.47 | 0.00182 | 1.61 | 0.0232 | 0.000262 | 1.07 | 0.00133 | 0.00435 | 0.0000462 | 0.0000502 | 0.000025 | 0.0578 | 0.00000492 | 0.0000715 | 0.000246 | 0.00151 | 6.31E-08 |
| 2063 Aug | 0.00000249 | 1.49 | 0.00185 | 1.64 | 0.0236 | 0.000267 | 1.09 | 0.00135 | 0.00442 | 0.0000467 | 0.0000508 | 0.0000253 | 0.0588 | 0.00000498 | 0.0000727 | 0.000249 | 0.00152 | 6.25E-08 |
| 2063 Sep | 0.0000025 | 1.5 | 0.00186 | 1.65 | 0.0239 | 0.00027 | 1.1 | 0.00136 | 0.00446 | 0.0000467 | 0.000051 | 0.0000254 | 0.0593 | 0.000005 | 0.0000734 | 0.00025 | 0.00153 | 6.18E-08 |
| 2063 Oct | 0.0000025 | 1.51 | 0.00187 | 1.65 | 0.024 | 0.000271 | 1.1 | 0.00137 | 0.00448 | 0.0000466 | 0.0000511 | 0.0000254 | 0.0595 | 0.00000501 | 0.0000737 | 0.00025 | 0.00153 | 6.06E-08 |
| 2063 Nov | 0.0000025 | 1.51 | 0.00187 | 1.65 | 0.024 | 0.000271 | 1.1 | 0.00137 | 0.00448 | 0.0000467 | 0.0000511 | 0.0000254 | 0.0595 | 0.00000501 | 0.0000737 | 0.00025 | 0.00153 | 6.04E-08 |
| 2063 Dec | 0.0000025 | 1.51 | 0.00187 | 1.65 | 0.024 | 0.000271 | 1.1 | 0.00137 | 0.00448 | 0.0000467 | 0.0000511 | 0.0000254 | 0.0595 | 0.00000501 | 0.0000737 | 0.00025 | 0.00153 | 6.04E-08 |
| 2064 Jan | 0.0000025 | 1.51 | 0.00187 | 1.65 | 0.024 | 0.000271 | 1.1 | 0.00137 | 0.00448 | 0.0000467 | 0.0000511 | 0.0000254 | 0.0595 | 0.00000501 | 0.0000737 | 0.00025 | 0.00153 | 6.04E-08 |
| 2064 Feb | 0.0000025 | 1.51 | 0.00187 | 1.65 | 0.024 | 0.000271 | 1.1 | 0.00137 | 0.00448 | 0.0000467 | 0.0000511 | 0.0000254 | 0.0595 | 0.00000501 | 0.0000737 | 0.00025 | 0.00153 | 6.04E-08 |
| 2064 Mar | 0.0000025 | 1.51 | 0.00187 | 1.65 | 0.024 | 0.000271 | 1.1 | 0.00137 | 0.00448 | 0.0000467 | 0.0000511 | 0.0000254 | 0.0595 | 0.00000501 | 0.0000737 | 0.00025 | 0.00153 | 6.04E-08 |
| 2064 Apr | 0.00000251 | 1.51 | 0.00187 | 1.65 | 0.024 | 0.000271 | 1.1 | 0.00137 | 0.00448 | 0.0000467 | 0.0000511 | 0.0000254 | 0.0595 | 0.00000501 | 0.0000737 | 0.000251 | 0.00153 | 6.04E-08 |
| 2064 May | 0.0000025 | 1.51 | 0.00188 | 1.65 | 0.0242 | 0.000273 | 1.1 | 0.00137 | 0.00451 | 0.0000464 | 0.000051 | 0.0000254 | 0.0598 | 0.000005 | 0.0000742 | 0.00025 | 0.00153 | 5.83E-08 |
| 2064 Jun | 0.00000249 | 1.51 | 0.00187 | 1.64 | 0.0241 | 0.000272 | 1.1 | 0.00137 | 0.00449 | 0.0000457 | 0.0000507 | 0.0000252 | 0.0596 | 0.00000498 | 0.0000739 | 0.000249 | 0.00152 | 0.00000005 |
| 2064 Jul | 0.00000252 | 1.53 | 0.0019 | 1.67 | 0.0245 | 0.000276 | 1.11 | 0.00139 | 0.00455 | 0.0000461 | 0.0000514 | 0.0000255 | 0.0604 | 0.00000504 | 0.0000749 | 0.000252 | 0.00154 | 4.86E-08 |
| 2064 Aug | 0.00000254 | 1.54 | 0.00193 | 1.68 | 0.0248 | 0.00028 | 1.12 | 0.0014 | 0.00461 | 0.0000461 | 0.0000517 | 0.0000257 | 0.0612 | 0.00000507 | 0.000076 | 0.000254 | 0.00155 | 4.69E-08 |
| 2064 Sep | 0.00000253 | 1.55 | 0.00193 | 1.68 | 0.0249 | 0.000281 | 1.12 | 0.00141 | 0.00462 | 0.0000456 | 0.0000516 | 0.0000256 | 0.0614 | 0.00000506 | 0.0000763 | 0.000253 | 0.00155 | 4.55E-08 |
| 2064 Oct | 0.00000253 | 1.54 | 0.00192 | 1.68 | 0.0247 | 0.000279 | 1.12 | 0.0014 | 0.0046 | 0.0000457 | 0.0000516 | 0.0000256 | 0.061 | 0.00000506 | 0.0000757 | 0.000253 | 0.00155 | 4.48E-08 |
| 2064 Nov | 0.00000253 | 1.54 | 0.00192 | 1.68 | 0.0247 | 0.000279 | 1.12 | 0.0014 | 0.00459 | 0.0000457 | 0.0000516 | 0.0000257 | 0.061 | 0.00000507 | 0.0000757 | 0.000253 | 0.00155 | 4.47E-08 |
| 2064 Dec | 0.00000253 | 1.54 | 0.00192 | 1.68 | 0.0247 | 0.000279 | 1.12 | 0.0014 | 0.00459 | 0.0000457 | 0.0000516 | 0.0000257 | 0.061 | 0.00000507 | 0.0000757 | 0.000253 | 0.00155 | 4.47E-08 |
| 2065 Jan | 0.00000253 | 1.54 | 0.00192 | 1.68 | 0.0247 | 0.000279 | 1.12 | 0.0014 | 0.00459 | 0.0000457 | 0.0000516 | 0.0000257 | 0.061 | 0.00000507 | 0.0000757 | 0.000253 | 0.00155 | 4.47E-08 |
| 2065 Feb | 0.00000253 | 1.54 | 0.00192 | 1.68 | 0.0247 | 0.000279 | 1.12 | 0.0014 | 0.00459 | 0.0000457 | 0.0000516 | 0.0000257 | 0.061 | 0.00000507 | 0.0000757 | 0.000253 | 0.00155 | 4.47E-08 |
| 2065 Mar | 0.00000253 | 1.54 | 0.00192 | 1.68 | 0.0247 | 0.000279 | 1.12 | 0.0014 | 0.00459 | 0.0000457 | 0.0000516 | 0.0000257 | 0.061 | 0.00000507 | 0.0000757 | 0.000253 | 0.00155 | 4.47E-08 |
| 2065 Apr | 0.00000254 | 1.54 | 0.00192 | 1.68 | 0.0247 | 0.000279 | 1.12 | 0.0014 | 0.0046 | 0.0000458 | 0.0000517 | 0.0000257 | 0.061 | 0.00000507 | 0.0000757 | 0.000254 | 0.00155 | 4.47E-08 |
| 2065 May | 0.00000254 | 1.55 | 0.00194 | 1.69 | 0.0251 | 0.000283 | 1.13 | 0.00141 | 0.00465 | 0.0000454 | 0.0000518 | 0.0000257 | 0.0617 | 0.00000508 | 0.0000767 | 0.000254 | 0.00155 | 0.000000044 |
| 2065 Jun | 0.00000251 | 1.53 | 0.0019 | 1.66 | 0.0245 | 0.000276 | 1.11 | 0.00139 | 0.00455 | 0.0000429 | 0.000051 | 0.0000254 | 0.0604 | 0.00000501 | 0.0000751 | 0.000251 | 0.00153 | 3.79E-08 |
| 2065 Jul | 0.00000253 | 1.53 | 0.00191 | 1.67 | 0.0245 | 0.000277 | 1.12 | 0.0014 | 0.00457 | 0.0000429 | 0.0000515 | 0.0000256 | 0.0606 | 0.00000506 | 0.0000752 | 0.000253 | 0.00154 | 3.61E-08 |
| 2065 Aug | 0.00000256 | 1.55 | 0.00193 | 1.69 | 0.0249 | 0.000281 | 1.13 | 0.00141 | 0.00463 | 0.0000431 | 0.0000519 | 0.0000259 | 0.0614 | 0.00000511 | 0.0000763 | 0.000256 | 0.00156 | 3.55E-08 |
| 2065 Sep | 0.00000256 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00466 | 0.0000427 | 0.0000519 | 0.0000259 | 0.0619 | 0.00000511 | 0.0000769 | 0.000256 | 0.00156 | 3.45E-08 |
| 2065 Oct | 0.00000253 | 1.55 | 0.00193 | 1.68 | 0.0249 | 0.000281 | 1.12 | 0.00141 | 0.00462 | 0.0000423 | 0.0000515 | 0.0000256 | 0.0613 | 0.00000507 | 0.0000762 | 0.000253 | 0.00154 | 3.31E-08 |
| 2065 Nov | 0.00000253 | 1.54 | 0.00191 | 1.68 | 0.0246 | 0.000277 | 1.12 | 0.0014 | 0.00458 | 0.0000429 | 0.0000515 | 0.0000256 | 0.0608 | 0.00000507 | 0.0000754 | 0.000253 | 0.00154 | 3.25E-08 |

**Appendix D13. WT South Basin**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 0.00000253 | 1.54 | 0.00191 | 1.67 | 0.0245 | 0.000277 | 1.12 | 0.0014 | 0.00457 | 0.000043 | 0.0000515 | 0.0000256 | 0.0607 | 0.00000507 | 0.0000752 | 0.000253 | 0.00154 | 3.24E-08 |
| 2066 Jan | 0.00000253 | 1.54 | 0.00191 | 1.67 | 0.0245 | 0.000277 | 1.12 | 0.0014 | 0.00457 | 0.0000431 | 0.0000515 | 0.0000256 | 0.0606 | 0.00000507 | 0.0000752 | 0.000253 | 0.00154 | 3.23E-08 |
| 2066 Feb | 0.00000253 | 1.54 | 0.00191 | 1.67 | 0.0245 | 0.000277 | 1.12 | 0.0014 | 0.00457 | 0.0000431 | 0.0000515 | 0.0000256 | 0.0606 | 0.00000507 | 0.0000752 | 0.000253 | 0.00154 | 3.23E-08 |
| 2066 Mar | 0.00000253 | 1.54 | 0.00191 | 1.68 | 0.0245 | 0.000277 | 1.12 | 0.0014 | 0.00457 | 0.0000431 | 0.0000515 | 0.0000256 | 0.0607 | 0.00000507 | 0.0000752 | 0.000253 | 0.00154 | 3.24E-08 |
| 2066 Apr | 0.00000253 | 1.54 | 0.00191 | 1.68 | 0.0245 | 0.000277 | 1.12 | 0.0014 | 0.00457 | 0.0000431 | 0.0000515 | 0.0000257 | 0.0607 | 0.00000507 | 0.0000753 | 0.000253 | 0.00154 | 3.24E-08 |
| 2066 May | 0.00000254 | 1.54 | 0.00192 | 1.68 | 0.0247 | 0.000279 | 1.12 | 0.0014 | 0.0046 | 0.0000431 | 0.0000516 | 0.0000257 | 0.061 | 0.00000508 | 0.0000757 | 0.000254 | 0.00155 | 3.22E-08 |
| 2066 Jun | 0.00000251 | 1.52 | 0.0019 | 1.66 | 0.0244 | 0.000275 | 1.11 | 0.00139 | 0.00453 | 0.0000444 | 0.0000511 | 0.0000254 | 0.0602 | 0.00000502 | 0.0000747 | 0.000251 | 0.00153 | 2.78E-08 |
| 2066 Jul | 0.00000256 | 1.55 | 0.00193 | 1.69 | 0.0248 | 0.00028 | 1.13 | 0.00141 | 0.00462 | 0.0000454 | 0.0000521 | 0.0000259 | 0.0613 | 0.00000512 | 0.0000761 | 0.000256 | 0.00156 | 2.71E-08 |
| 2066 Aug | 0.00000258 | 1.57 | 0.00196 | 1.71 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00468 | 0.0000454 | 0.0000524 | 0.0000261 | 0.0622 | 0.00000515 | 0.0000773 | 0.000258 | 0.00157 | 2.63E-08 |
| 2066 Sep | 0.00000258 | 1.58 | 0.00197 | 1.71 | 0.0255 | 0.000287 | 1.14 | 0.00144 | 0.00471 | 0.0000452 | 0.0000524 | 0.0000261 | 0.0626 | 0.00000515 | 0.0000779 | 0.000258 | 0.00157 | 2.55E-08 |
| 2066 Oct | 0.00000257 | 1.57 | 0.00197 | 1.7 | 0.0254 | 0.000286 | 1.14 | 0.00143 | 0.00469 | 0.000045 | 0.0000522 | 0.000026 | 0.0623 | 0.00000513 | 0.0000776 | 0.000257 | 0.00157 | 2.45E-08 |
| 2066 Nov | 0.00000256 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00465 | 0.0000456 | 0.0000522 | 0.0000259 | 0.0619 | 0.00000513 | 0.0000769 | 0.000256 | 0.00157 | 0.000000024 |
| 2066 Dec | 0.00000256 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00465 | 0.0000457 | 0.0000522 | 0.000026 | 0.0617 | 0.00000513 | 0.0000767 | 0.000256 | 0.00157 | 0.000000024 |
| 2067 Jan | 0.00000256 | 1.56 | 0.00194 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00465 | 0.0000458 | 0.0000522 | 0.000026 | 0.0617 | 0.00000513 | 0.0000767 | 0.000256 | 0.00157 | 0.000000024 |
| 2067 Feb | 0.00000256 | 1.56 | 0.00194 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00465 | 0.0000458 | 0.0000522 | 0.000026 | 0.0617 | 0.00000513 | 0.0000767 | 0.000256 | 0.00157 | 0.000000024 |
| 2067 Mar | 0.00000256 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00465 | 0.0000458 | 0.0000522 | 0.000026 | 0.0617 | 0.00000513 | 0.0000767 | 0.000256 | 0.00157 | 0.000000024 |
| 2067 Apr | 0.00000256 | 1.56 | 0.00195 | 1.7 | 0.0251 | 0.000283 | 1.13 | 0.00142 | 0.00465 | 0.0000458 | 0.0000522 | 0.000026 | 0.0618 | 0.00000513 | 0.0000767 | 0.000256 | 0.00157 | 0.000000024 |
| 2067 May | 0.00000257 | 1.57 | 0.00197 | 1.71 | 0.0255 | 0.000287 | 1.14 | 0.00143 | 0.0047 | 0.0000458 | 0.0000523 | 0.000026 | 0.0625 | 0.00000514 | 0.0000778 | 0.000257 | 0.00157 | 2.35E-08 |
| 2067 Jun | 0.00000254 | 1.54 | 0.00193 | 1.68 | 0.0249 | 0.00028 | 1.12 | 0.00141 | 0.0046 | 0.0000469 | 0.0000518 | 0.0000257 | 0.0612 | 0.00000508 | 0.0000761 | 0.000254 | 0.00156 | 2.11E-08 |
| 2067 Jul | 0.00000258 | 1.56 | 0.00195 | 1.7 | 0.0252 | 0.000284 | 1.14 | 0.00143 | 0.00466 | 0.0000477 | 0.0000526 | 0.0000261 | 0.062 | 0.00000516 | 0.0000771 | 0.000258 | 0.00158 | 2.05E-08 |
| 2067 Aug | 0.00000258 | 1.57 | 0.00197 | 1.71 | 0.0255 | 0.000287 | 1.14 | 0.00144 | 0.0047 | 0.0000473 | 0.0000526 | 0.0000261 | 0.0625 | 0.00000516 | 0.0000779 | 0.000258 | 0.00158 | 1.92E-08 |
| 2067 Sep | 0.00000259 | 1.58 | 0.00198 | 1.71 | 0.0255 | 0.000288 | 1.14 | 0.00144 | 0.00471 | 0.0000475 | 0.0000527 | 0.0000262 | 0.0626 | 0.00000517 | 0.000078 | 0.000259 | 0.00158 | 1.87E-08 |
| 2067 Oct | 0.00000258 | 1.57 | 0.00197 | 1.7 | 0.0254 | 0.000286 | 1.14 | 0.00143 | 0.00468 | 0.0000474 | 0.0000526 | 0.0000261 | 0.0623 | 0.00000516 | 0.0000776 | 0.000258 | 0.00158 | 1.85E-08 |
| 2067 Nov | 0.00000258 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00467 | 0.0000476 | 0.0000526 | 0.0000261 | 0.0621 | 0.00000516 | 0.0000774 | 0.000258 | 0.00158 | 1.84E-08 |
| 2067 Dec | 0.00000258 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00467 | 0.0000477 | 0.0000526 | 0.0000261 | 0.0621 | 0.00000516 | 0.0000773 | 0.000258 | 0.00158 | 1.84E-08 |
| 2068 Jan | 0.00000258 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00467 | 0.0000477 | 0.0000526 | 0.0000261 | 0.0621 | 0.00000516 | 0.0000773 | 0.000258 | 0.00158 | 1.84E-08 |
| 2068 Feb | 0.00000258 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00467 | 0.0000477 | 0.0000526 | 0.0000261 | 0.0621 | 0.00000516 | 0.0000773 | 0.000258 | 0.00158 | 1.84E-08 |
| 2068 Mar | 0.00000258 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00467 | 0.0000477 | 0.0000527 | 0.0000261 | 0.0621 | 0.00000516 | 0.0000774 | 0.000258 | 0.00158 | 1.84E-08 |
| 2068 Apr | 0.00000258 | 1.57 | 0.00196 | 1.71 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00467 | 0.0000477 | 0.0000527 | 0.0000262 | 0.0622 | 0.00000517 | 0.0000775 | 0.000258 | 0.00158 | 1.84E-08 |
| 2068 May | 0.00000258 | 1.57 | 0.00198 | 1.71 | 0.0255 | 0.000288 | 1.14 | 0.00144 | 0.0047 | 0.0000475 | 0.0000527 | 0.0000262 | 0.0626 | 0.00000517 | 0.000078 | 0.000258 | 0.00158 | 1.79E-08 |
| 2068 Jun | 0.00000252 | 1.52 | 0.00189 | 1.65 | 0.0243 | 0.000275 | 1.11 | 0.00139 | 0.00449 | 0.0000467 | 0.0000515 | 0.0000255 | 0.06 | 0.00000505 | 0.0000747 | 0.000252 | 0.00154 | 1.54E-08 |
| 2068 Jul | 0.00000256 | 1.53 | 0.00191 | 1.67 | 0.0245 | 0.000277 | 1.12 | 0.0014 | 0.00453 | 0.0000472 | 0.0000522 | 0.0000259 | 0.0605 | 0.00000511 | 0.0000753 | 0.000256 | 0.00156 | 0.000000015 |
| 2068 Aug | 0.00000259 | 1.56 | 0.00195 | 1.7 | 0.025 | 0.000282 | 1.13 | 0.00143 | 0.00462 | 0.0000476 | 0.0000528 | 0.0000262 | 0.0616 | 0.00000518 | 0.0000768 | 0.000259 | 0.00158 | 1.48E-08 |
| 2068 Sep | 0.00000259 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00143 | 0.00466 | 0.0000472 | 0.0000528 | 0.0000262 | 0.0621 | 0.00000518 | 0.0000775 | 0.000259 | 0.00158 | 1.43E-08 |
| 2068 Oct | 0.00000259 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00144 | 0.00465 | 0.0000473 | 0.0000529 | 0.0000262 | 0.0621 | 0.00000519 | 0.0000775 | 0.000259 | 0.00159 | 1.41E-08 |
| 2068 Nov | 0.0000026 | 1.57 | 0.00196 | 1.7 | 0.0253 | 0.000285 | 1.14 | 0.00144 | 0.00466 | 0.0000473 | 0.0000529 | 0.0000263 | 0.0621 | 0.00000519 | 0.0000775 | 0.00026 | 0.00159 | 1.41E-08 |
| 2068 Dec | 0.0000026 | 1.57 | 0.00196 | 1.71 | 0.0253 | 0.000285 | 1.14 | 0.00144 | 0.00466 | 0.0000473 | 0.0000529 | 0.0000263 | 0.0621 | 0.00000519 | 0.0000775 | 0.00026 | 0.00159 | 1.41E-08 |
| 2069 Jan | 0.0000026 | 1.57 | 0.00196 | 1.71 | 0.0253 | 0.000285 | 1.14 | 0.00144 | 0.00466 | 0.0000473 | 0.0000529 | 0.0000263 | 0.0621 | 0.00000519 | 0.0000775 | 0.00026 | 0.00159 | 1.41E-08 |
| 2069 Feb | 0.0000026 | 1.57 | 0.00196 | 1.71 | 0.0253 | 0.000285 | 1.14 | 0.00144 | 0.00466 | 0.0000473 | 0.0000529 | 0.0000263 | 0.0621 | 0.00000519 | 0.0000775 | 0.00026 | 0.00159 | 1.41E-08 |
| 2069 Mar | 0.0000026 | 1.57 | 0.00196 | 1.71 | 0.0253 | 0.000285 | 1.14 | 0.00144 | 0.00466 | 0.0000473 | 0.0000529 | 0.0000263 | 0.0621 | 0.00000519 | 0.0000775 | 0.00026 | 0.00159 | 1.41E-08 |
| 2069 Apr | 0.0000026 | 1.57 | 0.00197 | 1.71 | 0.0253 | 0.000285 | 1.14 | 0.00144 | 0.00466 | 0.0000473 | 0.0000529 | 0.0000263 | 0.0621 | 0.00000519 | 0.0000775 | 0.00026 | 0.00159 | 1.41E-08 |
| 2069 May | 0.00000261 | 1.58 | 0.00198 | 1.71 | 0.0255 | 0.000287 | 1.15 | 0.00144 | 0.00469 | 0.0000474 | 0.0000531 | 0.0000264 | 0.0625 | 0.00000521 | 0.000078 | 0.000261 | 0.00159 | 1.41E-08 |
| 2069 Jun | 0.00000259 | 1.58 | 0.00199 | 1.71 | 0.0257 | 0.00029 | 1.14 | 0.00145 | 0.00471 | 0.0000455 | 0.0000527 | 0.0000262 | 0.0628 | 0.00000518 | 0.0000785 | 0.000259 | 0.00158 | 1.27E-08 |
| 2069 Jul | 0.00000263 | 1.6 | 0.002 | 1.73 | 0.0259 | 0.000292 | 1.16 | 0.00146 | 0.00475 | 0.0000459 | 0.0000534 | 0.0000265 | 0.0634 | 0.00000525 | 0.0000791 | 0.000263 | 0.0016 | 1.22E-08 |
| 2069 Aug | 0.00000264 | 1.61 | 0.00204 | 1.75 | 0.0264 | 0.000297 | 1.17 | 0.00148 | 0.00483 | 0.0000457 | 0.0000537 | 0.0000267 | 0.0644 | 0.00000528 | 0.0000805 | 0.000264 | 0.00161 | 1.19E-08 |
| 2069 Sep | 0.00000263 | 1.61 | 0.00203 | 1.74 | 0.0263 | 0.000296 | 1.16 | 0.00147 | 0.00481 | 0.0000449 | 0.0000534 | 0.0000265 | 0.064 | 0.00000525 | 0.0000801 | 0.000263 | 0.0016 | 1.14E-08 |
| 2069 Oct | 0.00000262 | 1.6 | 0.00201 | 1.73 | 0.0259 | 0.000292 | 1.16 | 0.00146 | 0.00476 | 0.0000448 | 0.0000533 | 0.0000265 | 0.0635 | 0.00000525 | 0.0000793 | 0.000262 | 0.0016 | 1.12E-08 |
| 2069 Nov | 0.00000262 | 1.6 | 0.002 | 1.73 | 0.0259 | 0.000292 | 1.16 | 0.00146 | 0.00476 | 0.0000449 | 0.0000534 | 0.0000265 | 0.0634 | 0.00000525 | 0.0000791 | 0.000262 | 0.0016 | 1.11E-08 |
| 2069 Dec | 0.00000262 | 1.59 | 0.002 | 1.73 | 0.0259 | 0.000292 | 1.16 | 0.00146 | 0.00476 | 0.0000449 | 0.0000534 | 0.0000265 | 0.0634 | 0.00000525 | 0.0000791 | 0.000262 | 0.0016 | 1.11E-08 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 135 | 0.181 | 1.13 | 0.000498 | 26 | 0.0911 | 34.1 | 0.0000107 | 0.01 | 0.00445 | 0.014 | 0.0341 | 0.0000407 | 26.3 | 0.00000951 | 0.000594 | 0.000353 | 0.00104 | 0.102 |
| Operation (Jan., 2024 to Jun., 2028): Average | 153 | 0.285 | 1.56 | 0.00244 | 31.5 | 0.0962 | 42.7 | 0.0000119 | 0.0125 | 0.00909 | 0.0187 | 0.0385 | 0.0000566 | 29.7 | 0.0000127 | 0.00167 | 0.000481 | 0.0013 | 0.114 |
| Operation (Jan., 2024 to Jun., 2028): Max | 165 | 0.333 | 1.94 | 0.00406 | 40.1 | 0.101 | 49 | 0.0000134 | 0.0139 | 0.0113 | 0.0268 | 0.0416 | 0.0000827 | 31.4 | 0.0000148 | 0.00388 | 0.000732 | 0.00143 | 0.12 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 133 | 0.000192 | 0.513 | 0.0000307 | 25.8 | 0.0598 | 14.2 | 0.00000548 | 0.00807 | 0.00113 | 0.00559 | 0.0296 | 0.0000116 | 18 | 0.00000362 | 0.000111 | 0.000154 | 0.000647 | 0.0423 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 144 | 0.00934 | 0.751 | 0.000581 | 29.4 | 0.0694 | 20.5 | 0.00000694 | 0.00993 | 0.00304 | 0.00777 | 0.032 | 0.0000189 | 20.6 | 0.00000573 | 0.000229 | 0.000208 | 0.000827 | 0.0581 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 152 | 0.201 | 1.13 | 0.00124 | 31.4 | 0.0924 | 37.9 | 0.0000108 | 0.0145 | 0.00848 | 0.0138 | 0.0342 | 0.0000398 | 26 | 0.0000117 | 0.000568 | 0.000353 | 0.0013 | 0.102 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 76.1 | 0.00028 | 0.187 | 0.0000528 | 14.7 | 0.0557 | 11 | 0.00000549 | 0.0103 | 0.00715 | 0.00542 | 0.019 | 0.0000114 | 11 | 0.00000427 | 0.000101 | 0.000174 | 0.000771 | 0.042 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 86.3 | 0.00114 | 0.227 | 0.000629 | 16.3 | 0.0606 | 14.4 | 0.00000583 | 0.0131 | 0.0112 | 0.00578 | 0.0211 | 0.0000124 | 12.8 | 0.0000052 | 0.00012 | 0.00019 | 0.000861 | 0.0452 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 127 | 0.00473 | 0.447 | 0.00114 | 25.2 | 0.0648 | 18.4 | 0.00000611 | 0.0144 | 0.0161 | 0.0061 | 0.0278 | 0.0000133 | 17.2 | 0.00000622 | 0.00014 | 0.000199 | 0.000942 | 0.0483 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 165 | 0.181 | 1.94 | 0.00328 | 40.1 | 0.092 | 34.8 | 0.0000134 | 0.01 | 0.00446 | 0.0268 | 0.0416 | 0.0000827 | 30.3 | 0.00000956 | 0.00388 | 0.000732 | 0.00104 | 0.12 |
| 2024 Feb | 165 | 0.181 | 1.94 | 0.00328 | 40.1 | 0.092 | 34.8 | 0.0000134 | 0.01 | 0.00446 | 0.0268 | 0.0416 | 0.0000827 | 30.3 | 0.00000956 | 0.00388 | 0.000732 | 0.00104 | 0.12 |
| 2024 Mar | 165 | 0.181 | 1.94 | 0.00328 | 40.1 | 0.092 | 34.8 | 0.0000134 | 0.01 | 0.00446 | 0.0268 | 0.0416 | 0.0000827 | 30.3 | 0.00000956 | 0.00388 | 0.000731 | 0.00104 | 0.12 |
| 2024 Apr | 165 | 0.181 | 1.93 | 0.00327 | 40.1 | 0.092 | 34.7 | 0.0000134 | 0.01 | 0.00445 | 0.0267 | 0.0416 | 0.0000825 | 30.2 | 0.00000955 | 0.00387 | 0.00073 | 0.00104 | 0.12 |
| 2024 May | 164 | 0.183 | 1.89 | 0.00367 | 39.7 | 0.0919 | 34.5 | 0.0000133 | 0.0101 | 0.00446 | 0.0263 | 0.0414 | 0.0000813 | 30 | 0.00000951 | 0.00377 | 0.000718 | 0.00104 | 0.12 |
| 2024 Jun | 156 | 0.213 | 1.71 | 0.00107 | 36.5 | 0.0911 | 34.1 | 0.0000126 | 0.0107 | 0.00544 | 0.0235 | 0.0397 | 0.0000726 | 28.8 | 0.00000972 | 0.00311 | 0.000638 | 0.00109 | 0.116 |
| 2024 Jul | 159 | 0.242 | 1.75 | 0.000498 | 36.1 | 0.0938 | 37.3 | 0.0000127 | 0.0111 | 0.00668 | 0.0232 | 0.0403 | 0.0000713 | 29.7 | 0.0000108 | 0.00292 | 0.00062 | 0.00116 | 0.117 |
| 2024 Aug | 162 | 0.255 | 1.8 | 0.000503 | 36.3 | 0.0966 | 40 | 0.0000129 | 0.0114 | 0.00755 | 0.0232 | 0.0412 | 0.0000715 | 30.7 | 0.0000116 | 0.00281 | 0.000612 | 0.00122 | 0.119 |
| 2024 Sep | 161 | 0.266 | 1.79 | 0.000859 | 35.4 | 0.0971 | 41.5 | 0.0000127 | 0.0116 | 0.0084 | 0.0223 | 0.041 | 0.0000687 | 30.9 | 0.0000121 | 0.00257 | 0.000581 | 0.00125 | 0.118 |
| 2024 Oct | 161 | 0.278 | 1.78 | 0.00284 | 34.9 | 0.0978 | 42.3 | 0.0000127 | 0.0119 | 0.00874 | 0.0219 | 0.041 | 0.0000673 | 30.9 | 0.0000125 | 0.00245 | 0.000567 | 0.00128 | 0.119 |
| 2024 Nov | 160 | 0.277 | 1.77 | 0.00307 | 34.7 | 0.0976 | 42.1 | 0.0000127 | 0.0119 | 0.00867 | 0.0218 | 0.0408 | 0.000067 | 30.8 | 0.0000124 | 0.00242 | 0.000564 | 0.00127 | 0.119 |
| 2024 Dec | 160 | 0.273 | 1.75 | 0.00305 | 34.6 | 0.0972 | 41.8 | 0.0000126 | 0.0118 | 0.00859 | 0.0216 | 0.0407 | 0.0000666 | 30.6 | 0.0000123 | 0.00241 | 0.000562 | 0.00127 | 0.118 |
| 2025 Jan | 159 | 0.27 | 1.74 | 0.00303 | 34.5 | 0.097 | 41.5 | 0.0000126 | 0.0118 | 0.00852 | 0.0216 | 0.0406 | 0.0000664 | 30.5 | 0.0000122 | 0.00239 | 0.000561 | 0.00126 | 0.118 |
| 2025 Feb | 158 | 0.268 | 1.73 | 0.00302 | 34.4 | 0.0967 | 41.3 | 0.0000125 | 0.0118 | 0.00846 | 0.0215 | 0.0404 | 0.0000662 | 30.4 | 0.0000122 | 0.00238 | 0.00056 | 0.00126 | 0.118 |
| 2025 Mar | 158 | 0.266 | 1.72 | 0.003 | 34.3 | 0.0965 | 41.1 | 0.0000125 | 0.0118 | 0.0084 | 0.0214 | 0.0403 | 0.000066 | 30.3 | 0.0000121 | 0.00237 | 0.000559 | 0.00126 | 0.118 |
| 2025 Apr | 158 | 0.264 | 1.71 | 0.00299 | 34.2 | 0.0963 | 40.8 | 0.0000125 | 0.0118 | 0.00835 | 0.0213 | 0.0402 | 0.0000658 | 30.2 | 0.0000121 | 0.00236 | 0.000558 | 0.00126 | 0.118 |
| 2025 May | 158 | 0.264 | 1.71 | 0.00302 | 34.3 | 0.0967 | 40.9 | 0.0000125 | 0.0118 | 0.00832 | 0.0214 | 0.0404 | 0.0000661 | 30.3 | 0.0000121 | 0.00236 | 0.000559 | 0.00126 | 0.119 |
| 2025 Jun | 152 | 0.25 | 1.58 | 0.000803 | 32.9 | 0.0961 | 39.2 | 0.0000124 | 0.0121 | 0.00783 | 0.0203 | 0.0397 | 0.0000623 | 29.2 | 0.0000117 | 0.00207 | 0.000523 | 0.00125 | 0.117 |
| 2025 Jul | 152 | 0.272 | 1.56 | 0.000999 | 31.8 | 0.0969 | 40.4 | 0.0000123 | 0.0127 | 0.00864 | 0.0192 | 0.0393 | 0.0000584 | 29.2 | 0.0000121 | 0.0018 | 0.000494 | 0.0013 | 0.115 |
| 2025 Aug | 157 | 0.293 | 1.63 | 0.000743 | 32.3 | 0.0999 | 43.8 | 0.0000125 | 0.013 | 0.00956 | 0.0194 | 0.0402 | 0.0000591 | 30.6 | 0.0000131 | 0.00175 | 0.000493 | 0.00136 | 0.118 |
| 2025 Sep | 157 | 0.306 | 1.62 | 0.000803 | 31.6 | 0.0993 | 45 | 0.0000122 | 0.0129 | 0.0102 | 0.0186 | 0.0397 | 0.0000567 | 30.6 | 0.0000135 | 0.00159 | 0.00047 | 0.00137 | 0.116 |
| 2025 Oct | 155 | 0.312 | 1.57 | 0.00342 | 31 | 0.0983 | 44.8 | 0.0000119 | 0.0128 | 0.0102 | 0.018 | 0.0391 | 0.0000548 | 30.3 | 0.0000135 | 0.00148 | 0.000456 | 0.00136 | 0.115 |
| 2025 Nov | 153 | 0.305 | 1.54 | 0.0039 | 30.7 | 0.0975 | 44 | 0.0000118 | 0.0128 | 0.00992 | 0.0178 | 0.0388 | 0.0000543 | 29.9 | 0.0000132 | 0.00145 | 0.000454 | 0.00135 | 0.115 |
| 2025 Dec | 152 | 0.3 | 1.53 | 0.00387 | 30.6 | 0.097 | 43.5 | 0.0000117 | 0.0127 | 0.00978 | 0.0177 | 0.0386 | 0.000054 | 29.7 | 0.0000131 | 0.00145 | 0.000453 | 0.00134 | 0.115 |
| 2026 Jan | 152 | 0.297 | 1.52 | 0.00385 | 30.5 | 0.0967 | 43.2 | 0.0000117 | 0.0127 | 0.00969 | 0.0176 | 0.0384 | 0.0000538 | 29.6 | 0.000013 | 0.00144 | 0.000453 | 0.00133 | 0.115 |
| 2026 Feb | 151 | 0.294 | 1.51 | 0.00383 | 30.4 | 0.0964 | 42.9 | 0.0000116 | 0.0127 | 0.00961 | 0.0176 | 0.0384 | 0.0000537 | 29.5 | 0.000013 | 0.00143 | 0.000453 | 0.00133 | 0.115 |
| 2026 Mar | 151 | 0.292 | 1.5 | 0.00382 | 30.4 | 0.0962 | 42.7 | 0.0000116 | 0.0127 | 0.00954 | 0.0175 | 0.0383 | 0.0000536 | 29.4 | 0.0000129 | 0.00143 | 0.000452 | 0.00133 | 0.115 |
| 2026 Apr | 151 | 0.29 | 1.49 | 0.00382 | 30.3 | 0.0961 | 42.5 | 0.0000116 | 0.0126 | 0.00948 | 0.0175 | 0.0382 | 0.0000535 | 29.3 | 0.0000129 | 0.00143 | 0.000452 | 0.00132 | 0.115 |
| 2026 May | 151 | 0.289 | 1.48 | 0.00385 | 30.4 | 0.0964 | 42.5 | 0.0000116 | 0.0126 | 0.00941 | 0.0176 | 0.0383 | 0.0000538 | 29.3 | 0.0000129 | 0.00142 | 0.000453 | 0.00132 | 0.116 |
| 2026 Jun | 144 | 0.267 | 1.33 | 0.000963 | 29.1 | 0.0942 | 39.2 | 0.0000113 | 0.0127 | 0.00838 | 0.0165 | 0.0371 | 0.00005 | 27.7 | 0.0000119 | 0.00121 | 0.000424 | 0.00128 | 0.112 |
| 2026 Jul | 147 | 0.296 | 1.38 | 0.000551 | 29 | 0.0959 | 41.9 | 0.0000114 | 0.013 | 0.00935 | 0.0164 | 0.0374 | 0.0000493 | 28.6 | 0.0000127 | 0.00113 | 0.000418 | 0.00133 | 0.113 |
| 2026 Aug | 152 | 0.317 | 1.46 | 0.0005 | 29.5 | 0.0981 | 45.2 | 0.0000116 | 0.0132 | 0.0103 | 0.0166 | 0.0381 | 0.00005 | 29.9 | 0.0000137 | 0.00109 | 0.000418 | 0.00138 | 0.114 |
| 2026 Sep | 155 | 0.323 | 1.52 | 0.00054 | 29.8 | 0.0996 | 47.5 | 0.0000117 | 0.0132 | 0.011 | 0.0168 | 0.0386 | 0.0000507 | 30.7 | 0.0000143 | 0.00106 | 0.000417 | 0.00141 | 0.115 |
| 2026 Oct | 156 | 0.331 | 1.54 | 0.0018 | 30 | 0.101 | 48.7 | 0.0000118 | 0.0132 | 0.0113 | 0.017 | 0.039 | 0.0000515 | 31.2 | 0.0000147 | 0.00104 | 0.000417 | 0.00143 | 0.116 |
| 2026 Nov | 157 | 0.333 | 1.54 | 0.00201 | 30 | 0.101 | 48.9 | 0.0000118 | 0.0132 | 0.0113 | 0.017 | 0.039 | 0.0000516 | 31.3 | 0.0000148 | 0.00104 | 0.000417 | 0.00143 | 0.116 |
| 2026 Dec | 157 | 0.333 | 1.54 | 0.00201 | 30 | 0.101 | 48.9 | 0.0000118 | 0.0132 | 0.0113 | 0.017 | 0.039 | 0.0000516 | 31.3 | 0.0000148 | 0.00104 | 0.000417 | 0.00143 | 0.116 |
| 2027 Jan | 157 | 0.333 | 1.54 | 0.00201 | 30 | 0.101 | 48.9 | 0.0000118 | 0.0132 | 0.0113 | 0.017 | 0.039 | 0.0000516 | 31.3 | 0.0000148 | 0.00104 | 0.000417 | 0.00143 | 0.116 |
| 2027 Feb | 157 | 0.333 | 1.54 | 0.00201 | 30 | 0.101 | 48.9 | 0.0000118 | 0.0132 | 0.0113 | 0.017 | 0.039 | 0.0000516 | 31.3 | 0.0000148 | 0.00104 | 0.000417 | 0.00143 | 0.116 |
| 2027 Mar | 157 | 0.333 | 1.54 | 0.00201 | 30 | 0.101 | 48.9 | 0.0000118 | 0.0132 | 0.0113 | 0.017 | 0.039 | 0.0000516 | 31.3 | 0.0000148 | 0.00104 | 0.000417 | 0.00143 | 0.116 |
| 2027 Apr | 157 | 0.333 | 1.54 | 0.00201 | 30 | 0.101 | 48.9 | 0.0000118 | 0.0132 | 0.0113 | 0.0171 | 0.039 | 0.0000516 | 31.3 | 0.0000148 | 0.00104 | 0.000417 | 0.00143 | 0.116 |
| 2027 May | 157 | 0.333 | 1.54 | 0.00217 | 30.1 | 0.101 | 49 | 0.0000119 | 0.0133 | 0.0112 | 0.0171 | 0.0392 | 0.0000518 | 31.4 | 0.0000148 | 0.00104 | 0.000418 | 0.00143 | 0.116 |
| 2027 Jun | 145 | 0.291 | 1.33 | 0.00106 | 27.9 | 0.0956 | 43 | 0.0000114 | 0.0134 | 0.00936 | 0.0155 | 0.0364 | 0.0000458 | 28.4 | 0.000013 | 0.00086 | 0.000384 | 0.00133 | 0.108 |
| 2027 Jul | 143 | 0.312 | 1.3 | 0.000806 | 26.9 | 0.0936 | 42.7 | 0.000011 | 0.0135 | 0.0097 | 0.0146 | 0.0352 | 0.0000424 | 27.9 | 0.0000129 | 0.000758 | 0.000372 | 0.00133 | 0.104 |
| 2027 Aug | 147 | 0.327 | 1.38 | 0.000698 | 27.4 | 0.096 | 45.5 | 0.0000112 | 0.0138 | 0.0104 | 0.0149 | 0.0359 | 0.0000433 | 29 | 0.0000137 | 0.000744 | 0.000373 | 0.00138 | 0.105 |
| 2027 Sep | 148 | 0.326 | 1.4 | 0.000702 | 27.3 | 0.0959 | 46.4 | 0.0000111 | 0.0137 | 0.0107 | 0.0148 | 0.0359 | 0.000043 | 29.2 | 0.000014 | 0.000706 | 0.000366 | 0.00139 | 0.104 |
| 2027 Oct | 145 | 0.324 | 1.35 | 0.0035 | 26.9 | 0.0943 | 45.2 | 0.0000109 | 0.0135 | 0.0105 | 0.0144 | 0.0353 | 0.0000421 | 28.6 | 0.0000137 | 0.000668 | 0.000361 | 0.00136 | 0.104 |
| 2027 Nov | 144 | 0.318 | 1.33 | 0.00406 | 26.8 | 0.0936 | 44.5 | 0.0000108 | 0.0134 | 0.0103 | 0.0143 | 0.0351 | 0.0000419 | 28.3 | 0.0000135 | 0.000662 | 0.000362 | 0.00135 | 0.104 |
| 2027 Dec | 143 | 0.314 | 1.32 | 0.00403 | 26.7 | 0.0933 | 44.1 | 0.0000107 | 0.0134 | 0.0101 | 0.0143 | 0.0349 | 0.0000417 | 28.2 | 0.0000134 | 0.000661 | 0.000362 | 0.00134 | 0.104 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 143 | 0.311 | 1.31 | 0.00401 | 26.7 | 0.093 | 43.9 | 0.0000107 | 0.0133 | 0.0101 | 0.0143 | 0.0349 | 0.0000417 | 28.1 | 0.0000133 | 0.00066 | 0.000362 | 0.00134 | 0.104 |
| 2028 Feb | 142 | 0.309 | 1.3 | 0.004 | 26.6 | 0.0929 | 43.7 | 0.0000107 | 0.0133 | 0.01 | 0.0142 | 0.0348 | 0.0000416 | 28 | 0.0000132 | 0.000659 | 0.000362 | 0.00134 | 0.104 |
| 2028 Mar | 142 | 0.308 | 1.3 | 0.00399 | 26.6 | 0.0927 | 43.6 | 0.0000107 | 0.0133 | 0.00997 | 0.0142 | 0.0348 | 0.0000416 | 28 | 0.0000132 | 0.000658 | 0.000362 | 0.00133 | 0.104 |
| 2028 Apr | 142 | 0.306 | 1.3 | 0.00399 | 26.6 | 0.0926 | 43.4 | 0.0000107 | 0.0133 | 0.00993 | 0.0142 | 0.0347 | 0.0000416 | 27.9 | 0.0000132 | 0.000657 | 0.000363 | 0.00133 | 0.104 |
| 2028 May | 142 | 0.306 | 1.29 | 0.00398 | 26.7 | 0.0929 | 43.5 | 0.0000107 | 0.0133 | 0.00988 | 0.0143 | 0.0349 | 0.0000419 | 28 | 0.0000132 | 0.000657 | 0.000364 | 0.00133 | 0.105 |
| 2028 Jun | 135 | 0.252 | 1.13 | 0.000644 | 26 | 0.0916 | 39.2 | 0.0000108 | 0.0139 | 0.0086 | 0.014 | 0.0341 | 0.0000407 | 26.3 | 0.000012 | 0.000594 | 0.000353 | 0.00129 | 0.102 |
| 2028 Jul | 133 | 0.201 | 1.06 | 0.000717 | 25.8 | 0.0915 | 37.7 | 0.0000108 | 0.0144 | 0.00845 | 0.0137 | 0.0338 | 0.0000396 | 25.8 | 0.0000116 | 0.000566 | 0.000351 | 0.00129 | 0.101 |
| 2028 Aug | 135 | 0.171 | 1.1 | 0.000815 | 26.2 | 0.0924 | 37.9 | 0.0000108 | 0.0145 | 0.00848 | 0.0138 | 0.0342 | 0.0000398 | 26 | 0.0000117 | 0.000568 | 0.000353 | 0.0013 | 0.102 |
| 2028 Sep | 135 | 0.14 | 1.13 | 0.000918 | 26.3 | 0.0921 | 37.7 | 0.0000108 | 0.0145 | 0.00838 | 0.0137 | 0.0342 | 0.0000394 | 25.9 | 0.0000116 | 0.000562 | 0.000351 | 0.00129 | 0.101 |
| 2028 Oct | 135 | 0.127 | 1.11 | 0.00109 | 26.2 | 0.0906 | 36.7 | 0.0000106 | 0.0142 | 0.00812 | 0.0134 | 0.0338 | 0.0000384 | 25.5 | 0.0000113 | 0.000545 | 0.000343 | 0.00127 | 0.0987 |
| 2028 Nov | 135 | 0.126 | 1.11 | 0.00112 | 26.2 | 0.0904 | 36.6 | 0.0000105 | 0.0142 | 0.00808 | 0.0133 | 0.0338 | 0.0000382 | 25.5 | 0.0000113 | 0.000543 | 0.000342 | 0.00126 | 0.0984 |
| 2028 Dec | 135 | 0.126 | 1.11 | 0.00112 | 26.2 | 0.0904 | 36.6 | 0.0000105 | 0.0142 | 0.00808 | 0.0133 | 0.0338 | 0.0000382 | 25.5 | 0.0000113 | 0.000543 | 0.000342 | 0.00126 | 0.0984 |
| 2029 Jan | 135 | 0.126 | 1.11 | 0.00112 | 26.2 | 0.0904 | 36.6 | 0.0000105 | 0.0142 | 0.00808 | 0.0133 | 0.0338 | 0.0000382 | 25.5 | 0.0000113 | 0.000543 | 0.000342 | 0.00126 | 0.0984 |
| 2029 Feb | 135 | 0.126 | 1.11 | 0.00112 | 26.2 | 0.0904 | 36.6 | 0.0000105 | 0.0142 | 0.00808 | 0.0133 | 0.0338 | 0.0000382 | 25.5 | 0.0000113 | 0.000543 | 0.000342 | 0.00126 | 0.0984 |
| 2029 Mar | 135 | 0.126 | 1.11 | 0.00112 | 26.2 | 0.0904 | 36.6 | 0.0000105 | 0.0142 | 0.00808 | 0.0133 | 0.0338 | 0.0000382 | 25.5 | 0.0000113 | 0.000543 | 0.000342 | 0.00126 | 0.0984 |
| 2029 Apr | 135 | 0.126 | 1.11 | 0.00112 | 26.2 | 0.0905 | 36.6 | 0.0000105 | 0.0142 | 0.00808 | 0.0134 | 0.0338 | 0.0000382 | 25.5 | 0.0000113 | 0.000543 | 0.000342 | 0.00126 | 0.0984 |
| 2029 May | 135 | 0.127 | 1.11 | 0.00113 | 26.3 | 0.0907 | 36.7 | 0.0000106 | 0.0142 | 0.0081 | 0.0134 | 0.0339 | 0.0000383 | 25.6 | 0.0000113 | 0.000545 | 0.000343 | 0.00127 | 0.0986 |
| 2029 Jun | 135 | 0.108 | 1.08 | 0.000314 | 26.3 | 0.0882 | 35 | 0.0000102 | 0.0138 | 0.0076 | 0.0128 | 0.0335 | 0.0000364 | 24.9 | 0.0000107 | 0.000513 | 0.000329 | 0.00122 | 0.0944 |
| 2029 Jul | 135 | 0.0733 | 1.06 | 0.000233 | 26.6 | 0.0852 | 32.9 | 0.00000968 | 0.0132 | 0.00696 | 0.0121 | 0.0331 | 0.0000339 | 24.2 | 0.00001 | 0.000473 | 0.000311 | 0.00116 | 0.0891 |
| 2029 Aug | 137 | 0.0431 | 1.09 | 0.00041 | 26.9 | 0.0855 | 32.8 | 0.00000967 | 0.0132 | 0.00689 | 0.012 | 0.0334 | 0.0000337 | 24.3 | 0.00000995 | 0.000469 | 0.00031 | 0.00116 | 0.0889 |
| 2029 Sep | 137 | 0.0139 | 1.11 | 0.000562 | 27 | 0.085 | 32.4 | 0.00000959 | 0.0131 | 0.00677 | 0.0119 | 0.0333 | 0.0000332 | 24.2 | 0.00000982 | 0.000462 | 0.000307 | 0.00115 | 0.0879 |
| 2029 Oct | 137 | 0.00255 | 1.11 | 0.000615 | 27.1 | 0.085 | 32.3 | 0.00000957 | 0.0131 | 0.00673 | 0.0119 | 0.0333 | 0.0000331 | 24.2 | 0.00000979 | 0.00046 | 0.000306 | 0.00115 | 0.0877 |
| 2029 Nov | 137 | 0.00259 | 1.11 | 0.000619 | 27.1 | 0.085 | 32.3 | 0.00000957 | 0.0131 | 0.00674 | 0.0119 | 0.0334 | 0.0000331 | 24.2 | 0.00000979 | 0.00046 | 0.000306 | 0.00115 | 0.0877 |
| 2029 Dec | 137 | 0.0026 | 1.11 | 0.00062 | 27.1 | 0.085 | 32.3 | 0.00000957 | 0.0131 | 0.00674 | 0.0119 | 0.0334 | 0.0000331 | 24.2 | 0.00000979 | 0.00046 | 0.000306 | 0.00115 | 0.0877 |
| 2030 Jan | 137 | 0.0026 | 1.11 | 0.00062 | 27.1 | 0.085 | 32.3 | 0.00000957 | 0.0131 | 0.00674 | 0.0119 | 0.0334 | 0.0000331 | 24.2 | 0.00000979 | 0.00046 | 0.000306 | 0.00115 | 0.0877 |
| 2030 Feb | 137 | 0.0026 | 1.11 | 0.00062 | 27.1 | 0.085 | 32.3 | 0.00000957 | 0.0131 | 0.00674 | 0.0119 | 0.0334 | 0.0000331 | 24.2 | 0.00000979 | 0.00046 | 0.000306 | 0.00115 | 0.0877 |
| 2030 Mar | 137 | 0.0026 | 1.11 | 0.00062 | 27.1 | 0.085 | 32.3 | 0.00000957 | 0.0131 | 0.00674 | 0.0119 | 0.0334 | 0.0000331 | 24.2 | 0.00000979 | 0.00046 | 0.000306 | 0.00115 | 0.0877 |
| 2030 Apr | 137 | 0.0026 | 1.12 | 0.000621 | 27.1 | 0.085 | 32.3 | 0.00000958 | 0.0131 | 0.00674 | 0.0119 | 0.0334 | 0.0000331 | 24.2 | 0.00000979 | 0.00046 | 0.000306 | 0.00115 | 0.0877 |
| 2030 May | 138 | 0.00261 | 1.12 | 0.000623 | 27.2 | 0.0853 | 32.5 | 0.00000961 | 0.0132 | 0.00676 | 0.0119 | 0.0335 | 0.0000332 | 24.3 | 0.00000983 | 0.000462 | 0.000307 | 0.00115 | 0.088 |
| 2030 Jun | 137 | 0.00084 | 1.07 | 0.000511 | 27.2 | 0.0825 | 30.6 | 0.00000918 | 0.0127 | 0.00622 | 0.0113 | 0.033 | 0.0000311 | 23.6 | 0.00000922 | 0.000428 | 0.000292 | 0.0011 | 0.0834 |
| 2030 Jul | 138 | 0.000727 | 1.04 | 0.000573 | 27.4 | 0.0816 | 29.8 | 0.000009 | 0.0125 | 0.00597 | 0.011 | 0.0329 | 0.0000301 | 23.4 | 0.00000894 | 0.000412 | 0.000285 | 0.00108 | 0.0814 |
| 2030 Aug | 139 | 0.000549 | 1.04 | 0.000753 | 27.7 | 0.0816 | 29.6 | 0.00000897 | 0.0125 | 0.00588 | 0.0109 | 0.0331 | 0.0000298 | 23.4 | 0.00000886 | 0.000407 | 0.000284 | 0.00108 | 0.0809 |
| 2030 Sep | 140 | 0.000305 | 1.04 | 0.000839 | 27.8 | 0.0816 | 29.5 | 0.00000896 | 0.0125 | 0.00585 | 0.0109 | 0.0332 | 0.0000297 | 23.4 | 0.00000883 | 0.000405 | 0.000283 | 0.00108 | 0.0808 |
| 2030 Oct | 139 | 0.00131 | 1.03 | 0.000952 | 27.7 | 0.0809 | 29.1 | 0.00000886 | 0.0123 | 0.00574 | 0.0108 | 0.033 | 0.0000293 | 23.2 | 0.0000087 | 0.000398 | 0.00028 | 0.00107 | 0.0797 |
| 2030 Nov | 139 | 0.00204 | 1.02 | 0.00102 | 27.6 | 0.0804 | 28.9 | 0.00000879 | 0.0123 | 0.00566 | 0.0107 | 0.0329 | 0.000029 | 23.1 | 0.00000861 | 0.000393 | 0.000277 | 0.00106 | 0.079 |
| 2030 Dec | 139 | 0.00204 | 1.02 | 0.00102 | 27.6 | 0.0804 | 28.9 | 0.00000879 | 0.0123 | 0.00566 | 0.0107 | 0.0329 | 0.000029 | 23.1 | 0.00000861 | 0.000393 | 0.000277 | 0.00106 | 0.079 |
| 2031 Jan | 139 | 0.00205 | 1.02 | 0.00102 | 27.6 | 0.0804 | 28.9 | 0.00000879 | 0.0123 | 0.00566 | 0.0107 | 0.0329 | 0.000029 | 23.1 | 0.00000861 | 0.000393 | 0.000277 | 0.00106 | 0.079 |
| 2031 Feb | 139 | 0.00205 | 1.02 | 0.00102 | 27.6 | 0.0804 | 28.9 | 0.00000879 | 0.0123 | 0.00566 | 0.0107 | 0.0329 | 0.000029 | 23.1 | 0.00000861 | 0.000393 | 0.000277 | 0.00106 | 0.079 |
| 2031 Mar | 139 | 0.00205 | 1.02 | 0.00102 | 27.6 | 0.0804 | 28.9 | 0.00000879 | 0.0123 | 0.00566 | 0.0107 | 0.0329 | 0.000029 | 23.1 | 0.00000861 | 0.000393 | 0.000277 | 0.00106 | 0.079 |
| 2031 Apr | 139 | 0.00206 | 1.02 | 0.00103 | 27.7 | 0.0805 | 28.9 | 0.0000088 | 0.0123 | 0.00567 | 0.0107 | 0.0329 | 0.000029 | 23.1 | 0.00000862 | 0.000394 | 0.000278 | 0.00106 | 0.0791 |
| 2031 May | 140 | 0.00268 | 1.02 | 0.00109 | 27.8 | 0.0807 | 28.9 | 0.00000881 | 0.0123 | 0.00565 | 0.0107 | 0.033 | 0.000029 | 23.2 | 0.00000861 | 0.000393 | 0.000278 | 0.00106 | 0.0791 |
| 2031 Jun | 139 | 0.00134 | 0.972 | 0.000677 | 27.8 | 0.0782 | 27.3 | 0.00000843 | 0.0118 | 0.00518 | 0.0101 | 0.0326 | 0.0000271 | 22.6 | 0.00000808 | 0.000363 | 0.000264 | 0.00101 | 0.0751 |
| 2031 Jul | 142 | 0.000233 | 0.988 | 0.000777 | 28.4 | 0.0796 | 27.7 | 0.00000857 | 0.012 | 0.00524 | 0.0103 | 0.0332 | 0.0000275 | 23 | 0.00000818 | 0.000367 | 0.000268 | 0.00103 | 0.0762 |
| 2031 Aug | 143 | 0.000605 | 0.993 | 0.000864 | 28.7 | 0.0801 | 27.8 | 0.00000861 | 0.0121 | 0.00524 | 0.0103 | 0.0335 | 0.0000275 | 23.2 | 0.00000821 | 0.000368 | 0.000269 | 0.00104 | 0.0765 |
| 2031 Sep | 142 | 0.000616 | 0.97 | 0.0000889 | 28.5 | 0.0787 | 27.1 | 0.00000843 | 0.0119 | 0.00504 | 0.01 | 0.0331 | 0.0000267 | 22.8 | 0.00000797 | 0.000355 | 0.000263 | 0.00101 | 0.0746 |
| 2031 Oct | 142 | 0.00176 | 0.954 | 0.000257 | 28.4 | 0.0779 | 26.6 | 0.00000832 | 0.0117 | 0.00492 | 0.00989 | 0.0329 | 0.0000262 | 22.6 | 0.00000783 | 0.000348 | 0.000259 | 0.001 | 0.0735 |
| 2031 Nov | 142 | 0.002 | 0.952 | 0.000284 | 28.4 | 0.0778 | 26.6 | 0.0000083 | 0.0117 | 0.00491 | 0.00987 | 0.0329 | 0.0000262 | 22.6 | 0.00000781 | 0.000347 | 0.000258 | 0.000999 | 0.0733 |
| 2031 Dec | 142 | 0.002 | 0.952 | 0.000285 | 28.4 | 0.0778 | 26.6 | 0.0000083 | 0.0117 | 0.00491 | 0.00987 | 0.0329 | 0.0000262 | 22.6 | 0.00000781 | 0.000347 | 0.000258 | 0.000999 | 0.0733 |
| 2032 Jan | 142 | 0.00201 | 0.952 | 0.000285 | 28.4 | 0.0778 | 26.6 | 0.0000083 | 0.0117 | 0.0049 | 0.00987 | 0.0329 | 0.0000262 | 22.6 | 0.00000781 | 0.000347 | 0.000258 | 0.000998 | 0.0733 |
| 2032 Feb | 142 | 0.00201 | 0.952 | 0.000285 | 28.4 | 0.0778 | 26.6 | 0.0000083 | 0.0117 | 0.0049 | 0.00987 | 0.0329 | 0.0000262 | 22.6 | 0.00000781 | 0.000346 | 0.000258 | 0.000998 | 0.0733 |
| 2032 Mar | 142 | 0.00201 | 0.952 | 0.000285 | 28.4 | 0.0778 | 26.6 | 0.0000083 | 0.0117 | 0.0049 | 0.00987 | 0.0329 | 0.0000262 | 22.6 | 0.00000781 | 0.000346 | 0.000258 | 0.000998 | 0.0733 |
| 2032 Apr | 142 | 0.00201 | 0.952 | 0.000286 | 28.5 | 0.0778 | 26.6 | 0.0000083 | 0.0117 | 0.00491 | 0.00987 | 0.0329 | 0.0000262 | 22.6 | 0.00000781 | 0.000347 | 0.000258 | 0.000999 | 0.0734 |
| 2032 May | 142 | 0.00199 | 0.955 | 0.000287 | 28.5 | 0.0781 | 26.6 | 0.00000833 | 0.0117 | 0.00492 | 0.0099 | 0.033 | 0.0000262 | 22.6 | 0.00000783 | 0.000348 | 0.000259 | 0.001 | 0.0736 |
| 2032 Jun | 141 | 0.000633 | 0.906 | 0.000383 | 28.4 | 0.0754 | 25.1 | 0.00000795 | 0.0112 | 0.00449 | 0.00936 | 0.0324 | 0.0000245 | 22 | 0.00000732 | 0.00032 | 0.000246 | 0.000955 | 0.0696 |
| 2032 Jul | 140 | 0.000678 | 0.876 | 0.000383 | 28.3 | 0.0738 | 24.2 | 0.00000773 | 0.0109 | 0.00422 | 0.00903 | 0.032 | 0.0000234 | 21.6 | 0.00000701 | 0.000303 | 0.000238 | 0.000927 | 0.0672 |
| 2032 Aug | 141 | 0.000518 | 0.877 | 0.000503 | 28.5 | 0.0741 | 24.2 | 0.00000774 | 0.011 | 0.0042 | 0.00903 | 0.0322 | 0.0000234 | 21.7 | 0.000007 | 0.000302 | 0.000238 | 0.000929 | 0.0673 |
| 2032 Sep | 142 | 0.000295 | 0.876 | 0.000583 | 28.6 | 0.0742 | 24.1 | 0.00000774 | 0.011 | 0.00417 | 0.00902 | 0.0323 | 0.0000233 | 21.7 | 0.00000698 | 0.000301 | 0.000238 | 0.000928 | 0.0672 |
| 2032 Oct | 142 | 0.000717 | 0.874 | 0.000627 | 28.6 | 0.0741 | 24.1 | 0.00000773 | 0.011 | 0.00416 | 0.009 | 0.0323 | 0.0000232 | 21.7 | 0.00000697 | 0.000299 | 0.000237 | 0.000927 | 0.0671 |
| 2032 Nov | 142 | 0.000809 | 0.874 | 0.000637 | 28.7 | 0.0741 | 24.1 | 0.00000773 | 0.011 | 0.00415 | 0.009 | 0.0324 | 0.0000232 | 21.7 | 0.00000696 | 0.000299 | 0.000237 | 0.000927 | 0.0671 |
| 2032 Dec | 142 | 0.000816 | 0.874 | 0.000638 | 28.7 | 0.0741 | 24.1 | 0.00000773 | 0.011 | 0.00415 | 0.009 | 0.0324 | 0.0000232 | 21.7 | 0.00000696 | 0.000299 | 0.000237 | 0.000927 | 0.0671 |
| 2033 Jan | 142 | 0.00082 | 0.874 | 0.000638 | 28.7 | 0.0741 | 24.1 | 0.00000773 | 0.011 | 0.00415 | 0.009 | 0.0324 | 0.0000232 | 21.7 | 0.00000696 | 0.000299 | 0.000237 | 0.000927 | 0.0671 |
| 2033 Feb | 142 | 0.000822 | 0.874 | 0.000639 | 28.7 | 0.0741 | 24.1 | 0.00000773 | 0.011 | 0.00415 | 0.009 | 0.0324 | 0.0000232 | 21.7 | 0.00000696 | 0.000299 | 0.000237 | 0.000927 | 0.0671 |
| 2033 Mar | 142 | 0.000823 | 0.874 | 0.000639 | 28.7 | 0.0742 | 24.1 | 0.00000773 | 0.011 | 0.00415 | 0.009 | 0.0324 | 0.0000232 | 21.7 | 0.00000697 | 0.000299 | 0.000237 | 0.000927 | 0.0671 |
| 2033 Apr | 142 | 0.000825 | 0.875 | 0.00064 | 28.7 | 0.0742 | 24.1 | 0.00000774 | 0.011 | 0.00416 | 0.00901 | 0.0324 | 0.0000232 | 21.7 | 0.00000697 | 0.0003 | 0.000238 | 0.000928 | 0.0671 |
| 2033 May | 142 | 0.00305 | 0.862 | 0.000871 | 28.8 | 0.0738 | 23.7 | 0.00000766 | 0.0109 | 0.00405 | 0.00889 | 0.0324 | 0.0000228 | 21.6 | 0.00000685 | 0.000293 | 0.000235 | 0.000919 | 0.0663 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 140 | 0.00145 | 0.813 | 0.000557 | 28.4 | 0.0709 | 22.2 | 0.00000727 | 0.0104 | 0.00364 | 0.00835 | 0.0316 | 0.0000211 | 20.9 | 0.00000636 | 0.000267 | 0.000221 | 0.000871 | 0.0623 |
| 2033 Jul | 142 | 0.000645 | 0.819 | 0.000675 | 28.7 | 0.0715 | 22.3 | 0.00000732 | 0.0104 | 0.00363 | 0.0084 | 0.0319 | 0.0000212 | 21.1 | 0.00000638 | 0.000267 | 0.000223 | 0.000877 | 0.0627 |
| 2033 Aug | 144 | 0.000455 | 0.826 | 0.000764 | 29.1 | 0.0723 | 22.5 | 0.0000074 | 0.0105 | 0.00365 | 0.00847 | 0.0323 | 0.0000213 | 21.3 | 0.00000643 | 0.000268 | 0.000225 | 0.000886 | 0.0632 |
| 2033 Sep | 143 | 0.000432 | 0.814 | 0.000931 | 29 | 0.0715 | 22.1 | 0.0000073 | 0.0104 | 0.00356 | 0.00834 | 0.0321 | 0.0000209 | 21.1 | 0.00000631 | 0.000262 | 0.000221 | 0.000874 | 0.0623 |
| 2033 Oct | 142 | 0.00211 | 0.8 | 0.00112 | 28.9 | 0.0708 | 21.8 | 0.0000072 | 0.0103 | 0.00346 | 0.0082 | 0.0319 | 0.0000205 | 20.9 | 0.00000619 | 0.000256 | 0.000218 | 0.000862 | 0.0613 |
| 2033 Nov | 142 | 0.00277 | 0.795 | 0.00118 | 28.8 | 0.0705 | 21.6 | 0.00000717 | 0.0102 | 0.00342 | 0.00816 | 0.0318 | 0.0000204 | 20.8 | 0.00000614 | 0.000253 | 0.000217 | 0.000858 | 0.0609 |
| 2033 Dec | 142 | 0.00277 | 0.795 | 0.00118 | 28.8 | 0.0705 | 21.6 | 0.00000717 | 0.0102 | 0.00342 | 0.00816 | 0.0318 | 0.0000204 | 20.8 | 0.00000614 | 0.000253 | 0.000217 | 0.000858 | 0.0609 |
| 2034 Jan | 142 | 0.00278 | 0.795 | 0.00118 | 28.8 | 0.0705 | 21.6 | 0.00000717 | 0.0102 | 0.00342 | 0.00816 | 0.0318 | 0.0000204 | 20.8 | 0.00000614 | 0.000253 | 0.000217 | 0.000858 | 0.0609 |
| 2034 Feb | 142 | 0.00278 | 0.795 | 0.00118 | 28.8 | 0.0705 | 21.6 | 0.00000717 | 0.0102 | 0.00342 | 0.00816 | 0.0318 | 0.0000204 | 20.8 | 0.00000614 | 0.000253 | 0.000217 | 0.000858 | 0.0609 |
| 2034 Mar | 142 | 0.00278 | 0.795 | 0.00118 | 28.8 | 0.0705 | 21.6 | 0.00000717 | 0.0102 | 0.00342 | 0.00816 | 0.0318 | 0.0000204 | 20.8 | 0.00000614 | 0.000253 | 0.000217 | 0.000858 | 0.0609 |
| 2034 Apr | 142 | 0.00279 | 0.795 | 0.00118 | 28.9 | 0.0706 | 21.6 | 0.00000717 | 0.0102 | 0.00342 | 0.00816 | 0.0318 | 0.0000204 | 20.8 | 0.00000615 | 0.000254 | 0.000217 | 0.000858 | 0.061 |
| 2034 May | 143 | 0.00337 | 0.796 | 0.00124 | 29 | 0.0708 | 21.7 | 0.00000719 | 0.0103 | 0.00342 | 0.00817 | 0.032 | 0.0000204 | 20.9 | 0.00000615 | 0.000253 | 0.000217 | 0.00086 | 0.061 |
| 2034 Jun | 141 | 0.00176 | 0.759 | 0.000856 | 28.7 | 0.0686 | 20.5 | 0.00000689 | 0.00987 | 0.0031 | 0.00775 | 0.0314 | 0.0000191 | 20.3 | 0.00000576 | 0.000233 | 0.000207 | 0.000823 | 0.058 |
| 2034 Jul | 143 | 0.000283 | 0.767 | 0.0000307 | 29.1 | 0.0693 | 20.6 | 0.00000695 | 0.00997 | 0.0031 | 0.00781 | 0.0318 | 0.0000192 | 20.6 | 0.0000058 | 0.000233 | 0.000209 | 0.000831 | 0.0585 |
| 2034 Aug | 146 | 0.000553 | 0.78 | 0.0000685 | 29.7 | 0.0705 | 21 | 0.00000707 | 0.0101 | 0.00314 | 0.00794 | 0.0323 | 0.0000195 | 20.9 | 0.00000589 | 0.000237 | 0.000212 | 0.000844 | 0.0594 |
| 2034 Sep | 146 | 0.000659 | 0.776 | 0.000169 | 29.7 | 0.0703 | 20.8 | 0.00000704 | 0.0101 | 0.00311 | 0.0079 | 0.0323 | 0.0000193 | 20.9 | 0.00000585 | 0.000235 | 0.000211 | 0.000841 | 0.0591 |
| 2034 Oct | 145 | 0.00187 | 0.764 | 0.000325 | 29.5 | 0.0696 | 20.5 | 0.00000696 | 0.00998 | 0.00304 | 0.00779 | 0.032 | 0.000019 | 20.7 | 0.00000576 | 0.00023 | 0.000208 | 0.000831 | 0.0583 |
| 2034 Nov | 145 | 0.00202 | 0.764 | 0.000341 | 29.5 | 0.0696 | 20.5 | 0.00000696 | 0.00998 | 0.00304 | 0.00779 | 0.0321 | 0.000019 | 20.7 | 0.00000575 | 0.00023 | 0.000208 | 0.000831 | 0.0583 |
| 2034 Dec | 145 | 0.00202 | 0.764 | 0.000342 | 29.5 | 0.0696 | 20.5 | 0.00000696 | 0.00998 | 0.00304 | 0.00779 | 0.0321 | 0.000019 | 20.7 | 0.00000575 | 0.00023 | 0.000208 | 0.000831 | 0.0583 |
| 2035 Jan | 145 | 0.00203 | 0.764 | 0.000343 | 29.5 | 0.0696 | 20.5 | 0.00000696 | 0.00998 | 0.00304 | 0.00779 | 0.0321 | 0.000019 | 20.7 | 0.00000575 | 0.00023 | 0.000208 | 0.000831 | 0.0583 |
| 2035 Feb | 145 | 0.00203 | 0.764 | 0.000343 | 29.5 | 0.0696 | 20.5 | 0.00000696 | 0.00998 | 0.00304 | 0.00779 | 0.0321 | 0.000019 | 20.7 | 0.00000575 | 0.00023 | 0.000208 | 0.000831 | 0.0583 |
| 2035 Mar | 145 | 0.00203 | 0.764 | 0.000343 | 29.5 | 0.0696 | 20.5 | 0.00000696 | 0.00998 | 0.00304 | 0.00779 | 0.0321 | 0.000019 | 20.7 | 0.00000575 | 0.00023 | 0.000208 | 0.000831 | 0.0583 |
| 2035 Apr | 145 | 0.00203 | 0.765 | 0.000343 | 29.5 | 0.0697 | 20.5 | 0.00000696 | 0.00999 | 0.00304 | 0.0078 | 0.0321 | 0.000019 | 20.7 | 0.00000576 | 0.00023 | 0.000208 | 0.000831 | 0.0584 |
| 2035 May | 146 | 0.00209 | 0.769 | 0.000351 | 29.7 | 0.07 | 20.7 | 0.000007 | 0.01 | 0.00305 | 0.00784 | 0.0323 | 0.0000191 | 20.8 | 0.00000579 | 0.000231 | 0.00021 | 0.000836 | 0.0587 |
| 2035 Jun | 143 | 0.00114 | 0.732 | 0.000353 | 29.2 | 0.0677 | 19.5 | 0.0000067 | 0.00964 | 0.00277 | 0.00743 | 0.0315 | 0.0000179 | 20.2 | 0.00000543 | 0.000213 | 0.000199 | 0.000799 | 0.0557 |
| 2035 Jul | 145 | 0.000336 | 0.736 | 0.000321 | 29.6 | 0.0683 | 19.6 | 0.00000674 | 0.00971 | 0.00275 | 0.00746 | 0.0319 | 0.0000179 | 20.4 | 0.00000543 | 0.000212 | 0.0002 | 0.000804 | 0.0559 |
| 2035 Aug | 147 | 0.000699 | 0.742 | 0.000398 | 30 | 0.069 | 19.8 | 0.00000681 | 0.00981 | 0.00276 | 0.00753 | 0.0323 | 0.000018 | 20.6 | 0.00000547 | 0.000213 | 0.000202 | 0.000812 | 0.0564 |
| 2035 Sep | 146 | 0.000568 | 0.73 | 0.000618 | 29.8 | 0.0682 | 19.4 | 0.00000671 | 0.00967 | 0.00268 | 0.0074 | 0.032 | 0.0000176 | 20.4 | 0.00000537 | 0.000208 | 0.000199 | 0.0008 | 0.0555 |
| 2035 Oct | 145 | 0.00162 | 0.72 | 0.000788 | 29.6 | 0.0675 | 19.1 | 0.00000663 | 0.00957 | 0.00262 | 0.0073 | 0.0317 | 0.0000174 | 20.2 | 0.00000528 | 0.000203 | 0.000196 | 0.000791 | 0.0548 |
| 2035 Nov | 144 | 0.00213 | 0.716 | 0.000839 | 29.6 | 0.0673 | 19 | 0.00000661 | 0.00953 | 0.0026 | 0.00727 | 0.0317 | 0.0000173 | 20.1 | 0.00000525 | 0.000202 | 0.000196 | 0.000788 | 0.0545 |
| 2035 Dec | 144 | 0.00214 | 0.716 | 0.00084 | 29.6 | 0.0673 | 19 | 0.00000661 | 0.00953 | 0.0026 | 0.00727 | 0.0317 | 0.0000173 | 20.1 | 0.00000525 | 0.000202 | 0.000196 | 0.000788 | 0.0545 |
| 2036 Jan | 144 | 0.00214 | 0.716 | 0.000841 | 29.6 | 0.0673 | 19 | 0.00000661 | 0.00953 | 0.0026 | 0.00727 | 0.0317 | 0.0000173 | 20.1 | 0.00000525 | 0.000202 | 0.000196 | 0.000788 | 0.0545 |
| 2036 Feb | 144 | 0.00215 | 0.716 | 0.000841 | 29.6 | 0.0673 | 19 | 0.00000661 | 0.00953 | 0.0026 | 0.00727 | 0.0317 | 0.0000173 | 20.1 | 0.00000525 | 0.000202 | 0.000196 | 0.000788 | 0.0545 |
| 2036 Mar | 144 | 0.00215 | 0.716 | 0.000841 | 29.6 | 0.0673 | 19 | 0.00000661 | 0.00953 | 0.0026 | 0.00727 | 0.0317 | 0.0000173 | 20.1 | 0.00000525 | 0.000202 | 0.000196 | 0.000788 | 0.0545 |
| 2036 Apr | 145 | 0.00215 | 0.717 | 0.000842 | 29.6 | 0.0674 | 19.1 | 0.00000662 | 0.00955 | 0.0026 | 0.00728 | 0.0317 | 0.0000173 | 20.2 | 0.00000526 | 0.000202 | 0.000196 | 0.000789 | 0.0546 |
| 2036 May | 145 | 0.00213 | 0.721 | 0.000847 | 29.8 | 0.0678 | 19.2 | 0.00000666 | 0.0096 | 0.00261 | 0.00732 | 0.0319 | 0.0000174 | 20.3 | 0.00000529 | 0.000204 | 0.000197 | 0.000793 | 0.0549 |
| 2036 Jun | 144 | 0.00066 | 0.7 | 0.000639 | 29.5 | 0.0664 | 18.5 | 0.00000648 | 0.00936 | 0.00244 | 0.00708 | 0.0315 | 0.0000166 | 19.9 | 0.00000507 | 0.000192 | 0.000191 | 0.000771 | 0.0531 |
| 2036 Jul | 144 | 0.000439 | 0.694 | 0.000817 | 29.6 | 0.0661 | 18.3 | 0.00000643 | 0.0093 | 0.00236 | 0.007 | 0.0315 | 0.0000163 | 19.8 | 0.00000499 | 0.000187 | 0.000189 | 0.000765 | 0.0526 |
| 2036 Aug | 146 | 0.000591 | 0.701 | 0.000891 | 30 | 0.0669 | 18.4 | 0.0000065 | 0.0094 | 0.00238 | 0.00707 | 0.0319 | 0.0000165 | 20.1 | 0.00000504 | 0.000189 | 0.000191 | 0.000773 | 0.0531 |
| 2036 Sep | 147 | 0.000587 | 0.701 | 0.000804 | 30.1 | 0.067 | 18.4 | 0.0000065 | 0.00941 | 0.00237 | 0.00707 | 0.0319 | 0.0000165 | 20.1 | 0.00000503 | 0.000188 | 0.000191 | 0.000774 | 0.0531 |
| 2036 Oct | 146 | 0.00143 | 0.692 | 0.00015 | 29.9 | 0.0664 | 18.2 | 0.00000644 | 0.00932 | 0.00231 | 0.00699 | 0.0317 | 0.0000162 | 20 | 0.00000496 | 0.000185 | 0.000189 | 0.000766 | 0.0525 |
| 2036 Nov | 146 | 0.00158 | 0.692 | 0.000167 | 29.9 | 0.0664 | 18.2 | 0.00000644 | 0.00932 | 0.00231 | 0.00698 | 0.0317 | 0.0000162 | 20 | 0.00000496 | 0.000185 | 0.000189 | 0.000766 | 0.0525 |
| 2036 Dec | 146 | 0.00159 | 0.692 | 0.000167 | 29.9 | 0.0664 | 18.2 | 0.00000644 | 0.00932 | 0.00231 | 0.00698 | 0.0317 | 0.0000162 | 20 | 0.00000496 | 0.000185 | 0.000189 | 0.000766 | 0.0525 |
| 2037 Jan | 146 | 0.00159 | 0.692 | 0.000168 | 29.9 | 0.0664 | 18.2 | 0.00000644 | 0.00932 | 0.00231 | 0.00698 | 0.0317 | 0.0000162 | 20 | 0.00000496 | 0.000185 | 0.000189 | 0.000766 | 0.0525 |
| 2037 Feb | 146 | 0.00159 | 0.692 | 0.000168 | 29.9 | 0.0664 | 18.2 | 0.00000644 | 0.00932 | 0.00231 | 0.00698 | 0.0317 | 0.0000162 | 20 | 0.00000496 | 0.000185 | 0.000189 | 0.000766 | 0.0525 |
| 2037 Mar | 146 | 0.0016 | 0.692 | 0.000168 | 29.9 | 0.0664 | 18.2 | 0.00000644 | 0.00932 | 0.00231 | 0.00698 | 0.0317 | 0.0000162 | 20 | 0.00000496 | 0.000185 | 0.000189 | 0.000766 | 0.0525 |
| 2037 Apr | 146 | 0.0016 | 0.692 | 0.000168 | 29.9 | 0.0665 | 18.2 | 0.00000644 | 0.00932 | 0.00231 | 0.00699 | 0.0317 | 0.0000162 | 20 | 0.00000496 | 0.000185 | 0.000189 | 0.000766 | 0.0525 |
| 2037 May | 146 | 0.00358 | 0.685 | 0.000392 | 29.9 | 0.0662 | 18 | 0.0000064 | 0.00927 | 0.00227 | 0.00693 | 0.0317 | 0.000016 | 19.9 | 0.0000049 | 0.000182 | 0.000187 | 0.000761 | 0.0521 |
| 2037 Jun | 141 | 0.0021 | 0.644 | 0.000352 | 29 | 0.0631 | 16.8 | 0.00000605 | 0.00879 | 0.00201 | 0.00649 | 0.0305 | 0.0000148 | 19 | 0.00000454 | 0.000164 | 0.000176 | 0.000719 | 0.0488 |
| 2037 Jul | 142 | 0.000521 | 0.647 | 0.000526 | 29.2 | 0.0634 | 16.9 | 0.00000607 | 0.00882 | 0.00199 | 0.0065 | 0.0307 | 0.0000148 | 19.1 | 0.00000454 | 0.000164 | 0.000177 | 0.000721 | 0.0489 |
| 2037 Aug | 144 | 0.000386 | 0.654 | 0.000595 | 29.6 | 0.0642 | 17 | 0.00000614 | 0.00892 | 0.00201 | 0.00657 | 0.0311 | 0.0000149 | 19.4 | 0.00000458 | 0.000165 | 0.000179 | 0.000729 | 0.0495 |
| 2037 Sep | 145 | 0.000565 | 0.659 | 0.000646 | 29.8 | 0.0647 | 17.2 | 0.00000619 | 0.00899 | 0.00202 | 0.00662 | 0.0314 | 0.000015 | 19.5 | 0.00000461 | 0.000166 | 0.00018 | 0.000735 | 0.0498 |
| 2037 Oct | 145 | 0.00127 | 0.657 | 0.000719 | 29.8 | 0.0646 | 17.1 | 0.00000617 | 0.00898 | 0.00201 | 0.00661 | 0.0313 | 0.000015 | 19.5 | 0.0000046 | 0.000165 | 0.00018 | 0.000733 | 0.0497 |
| 2037 Nov | 145 | 0.0015 | 0.656 | 0.000742 | 29.8 | 0.0646 | 17.1 | 0.00000617 | 0.00898 | 0.002 | 0.0066 | 0.0313 | 0.000015 | 19.5 | 0.00000459 | 0.000165 | 0.000179 | 0.000733 | 0.0497 |
| 2037 Dec | 145 | 0.0015 | 0.656 | 0.000743 | 29.8 | 0.0646 | 17.1 | 0.00000617 | 0.00898 | 0.002 | 0.0066 | 0.0313 | 0.000015 | 19.5 | 0.0000046 | 0.000165 | 0.000179 | 0.000733 | 0.0497 |
| 2038 Jan | 145 | 0.00151 | 0.656 | 0.000743 | 29.8 | 0.0646 | 17.1 | 0.00000617 | 0.00898 | 0.002 | 0.0066 | 0.0313 | 0.000015 | 19.5 | 0.0000046 | 0.000165 | 0.000179 | 0.000733 | 0.0497 |
| 2038 Feb | 145 | 0.00151 | 0.656 | 0.000744 | 29.8 | 0.0646 | 17.1 | 0.00000617 | 0.00898 | 0.002 | 0.0066 | 0.0313 | 0.000015 | 19.5 | 0.00000459 | 0.000165 | 0.000179 | 0.000733 | 0.0497 |
| 2038 Mar | 145 | 0.00151 | 0.656 | 0.000744 | 29.8 | 0.0646 | 17.1 | 0.00000617 | 0.00898 | 0.002 | 0.0066 | 0.0313 | 0.000015 | 19.5 | 0.00000459 | 0.000165 | 0.000179 | 0.000733 | 0.0497 |
| 2038 Apr | 145 | 0.00151 | 0.657 | 0.000744 | 29.8 | 0.0646 | 17.1 | 0.00000618 | 0.00898 | 0.002 | 0.00661 | 0.0314 | 0.000015 | 19.5 | 0.0000046 | 0.000165 | 0.00018 | 0.000734 | 0.0497 |
| 2038 May | 146 | 0.00269 | 0.655 | 0.000867 | 29.9 | 0.0647 | 17.1 | 0.00000617 | 0.00898 | 0.00199 | 0.0066 | 0.0314 | 0.0000149 | 19.5 | 0.00000458 | 0.000164 | 0.000179 | 0.000733 | 0.0497 |
| 2038 Jun | 143 | 0.0014 | 0.633 | 0.000535 | 29.4 | 0.063 | 16.4 | 0.00000598 | 0.00872 | 0.00184 | 0.00636 | 0.0308 | 0.0000142 | 19.1 | 0.00000438 | 0.000154 | 0.000173 | 0.00071 | 0.0479 |
| 2038 Jul | 146 | 0.000796 | 0.647 | 0.00062 | 30.1 | 0.0644 | 16.8 | 0.00000611 | 0.00891 | 0.00187 | 0.00649 | 0.0315 | 0.0000145 | 19.5 | 0.00000447 | 0.000157 | 0.000177 | 0.000725 | 0.0489 |
| 2038 Aug | 149 | 0.000414 | 0.657 | 0.000694 | 30.6 | 0.0654 | 17 | 0.00000621 | 0.00904 | 0.00189 | 0.00658 | 0.032 | 0.0000147 | 19.8 | 0.00000453 | 0.000159 | 0.000179 | 0.000736 | 0.0496 |
| 2038 Sep | 149 | 0.000716 | 0.657 | 0.000764 | 30.7 | 0.0655 | 17 | 0.00000621 | 0.00906 | 0.00189 | 0.00659 | 0.0321 | 0.0000147 | 19.8 | 0.00000453 | 0.000159 | 0.00018 | 0.000737 | 0.0497 |
| 2038 Oct | 148 | 0.00115 | 0.652 | 0.000869 | 30.5 | 0.0651 | 16.9 | 0.00000617 | 0.00899 | 0.00186 | 0.00654 | 0.0319 | 0.0000146 | 19.7 | 0.00000449 | 0.000157 | 0.000178 | 0.000732 | 0.0493 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 149 | 0.00119 | 0.652 | 0.000873 | 30.6 | 0.0652 | 16.9 | 0.00000617 | 0.009 | 0.00186 | 0.00654 | 0.0319 | 0.0000146 | 19.7 | 0.00000449 | 0.000157 | 0.000178 | 0.000732 | 0.0493 |
| 2038 Dec | 149 | 0.0012 | 0.652 | 0.000874 | 30.6 | 0.0652 | 16.9 | 0.00000617 | 0.009 | 0.00186 | 0.00654 | 0.0319 | 0.0000146 | 19.7 | 0.00000449 | 0.000157 | 0.000178 | 0.000732 | 0.0493 |
| 2039 Jan | 149 | 0.0012 | 0.652 | 0.000874 | 30.6 | 0.0652 | 16.9 | 0.00000617 | 0.009 | 0.00186 | 0.00654 | 0.0319 | 0.0000146 | 19.7 | 0.00000449 | 0.000157 | 0.000178 | 0.000732 | 0.0493 |
| 2039 Feb | 149 | 0.0012 | 0.652 | 0.000874 | 30.6 | 0.0652 | 16.9 | 0.00000617 | 0.009 | 0.00186 | 0.00654 | 0.0319 | 0.0000146 | 19.7 | 0.00000449 | 0.000157 | 0.000178 | 0.000732 | 0.0493 |
| 2039 Mar | 149 | 0.0012 | 0.652 | 0.000875 | 30.6 | 0.0652 | 16.9 | 0.00000617 | 0.009 | 0.00186 | 0.00654 | 0.0319 | 0.0000146 | 19.7 | 0.00000449 | 0.000157 | 0.000178 | 0.000733 | 0.0493 |
| 2039 Apr | 149 | 0.0012 | 0.653 | 0.000875 | 30.6 | 0.0652 | 16.9 | 0.00000618 | 0.00901 | 0.00186 | 0.00655 | 0.032 | 0.0000146 | 19.8 | 0.0000045 | 0.000157 | 0.000179 | 0.000733 | 0.0493 |
| 2039 May | 149 | 0.00121 | 0.655 | 0.000878 | 30.7 | 0.0654 | 17 | 0.0000062 | 0.00904 | 0.00187 | 0.00657 | 0.0321 | 0.0000147 | 19.8 | 0.00000451 | 0.000158 | 0.000179 | 0.000736 | 0.0495 |
| 2039 Jun | 147 | 0.000602 | 0.637 | 0.000676 | 30.3 | 0.0641 | 16.4 | 0.00000604 | 0.00882 | 0.00176 | 0.00637 | 0.0315 | 0.0000141 | 19.4 | 0.00000435 | 0.00015 | 0.000174 | 0.000716 | 0.048 |
| 2039 Jul | 147 | 0.000501 | 0.631 | 0.000543 | 30.3 | 0.0638 | 16.2 | 0.000006 | 0.00876 | 0.0017 | 0.00631 | 0.0315 | 0.0000139 | 19.4 | 0.00000429 | 0.000147 | 0.000173 | 0.000711 | 0.0476 |
| 2039 Aug | 149 | 0.000693 | 0.637 | 0.0000784 | 30.7 | 0.0645 | 16.4 | 0.00000607 | 0.00886 | 0.00171 | 0.00637 | 0.0319 | 0.000014 | 19.6 | 0.00000433 | 0.000148 | 0.000174 | 0.000719 | 0.0481 |
| 2039 Sep | 150 | 0.000673 | 0.64 | 0.000158 | 30.8 | 0.0648 | 16.5 | 0.00000609 | 0.0089 | 0.00171 | 0.0064 | 0.032 | 0.0000141 | 19.7 | 0.00000434 | 0.000148 | 0.000175 | 0.000722 | 0.0482 |
| 2039 Oct | 150 | 0.000826 | 0.639 | 0.000205 | 30.8 | 0.0648 | 16.4 | 0.00000608 | 0.00889 | 0.0017 | 0.00639 | 0.032 | 0.000014 | 19.7 | 0.00000433 | 0.000148 | 0.000175 | 0.000721 | 0.0482 |
| 2039 Nov | 150 | 0.000836 | 0.639 | 0.000206 | 30.8 | 0.0648 | 16.4 | 0.00000609 | 0.0089 | 0.00171 | 0.00639 | 0.032 | 0.000014 | 19.7 | 0.00000433 | 0.000148 | 0.000175 | 0.000721 | 0.0482 |
| 2039 Dec | 150 | 0.000841 | 0.639 | 0.000206 | 30.8 | 0.0648 | 16.4 | 0.00000609 | 0.0089 | 0.00171 | 0.00639 | 0.032 | 0.000014 | 19.7 | 0.00000433 | 0.000148 | 0.000175 | 0.000721 | 0.0482 |
| 2040 Jan | 150 | 0.000843 | 0.639 | 0.000207 | 30.8 | 0.0648 | 16.4 | 0.00000609 | 0.0089 | 0.00171 | 0.00639 | 0.032 | 0.000014 | 19.7 | 0.00000433 | 0.000148 | 0.000175 | 0.000721 | 0.0482 |
| 2040 Feb | 150 | 0.000845 | 0.639 | 0.000207 | 30.8 | 0.0648 | 16.4 | 0.00000609 | 0.0089 | 0.00171 | 0.00639 | 0.032 | 0.000014 | 19.7 | 0.00000433 | 0.000148 | 0.000175 | 0.000721 | 0.0482 |
| 2040 Mar | 150 | 0.000846 | 0.639 | 0.000207 | 30.8 | 0.0648 | 16.4 | 0.00000609 | 0.0089 | 0.00171 | 0.00639 | 0.032 | 0.000014 | 19.7 | 0.00000433 | 0.000148 | 0.000175 | 0.000722 | 0.0482 |
| 2040 Apr | 150 | 0.000846 | 0.639 | 0.000207 | 30.8 | 0.0648 | 16.4 | 0.00000609 | 0.0089 | 0.00171 | 0.0064 | 0.032 | 0.000014 | 19.7 | 0.00000434 | 0.000148 | 0.000175 | 0.000722 | 0.0482 |
| 2040 May | 150 | 0.00136 | 0.64 | 0.000268 | 30.9 | 0.065 | 16.5 | 0.0000061 | 0.00892 | 0.0017 | 0.0064 | 0.0321 | 0.000014 | 19.7 | 0.00000434 | 0.000148 | 0.000175 | 0.000723 | 0.0483 |
| 2040 Jun | 147 | 0.00115 | 0.618 | 0.000298 | 30.3 | 0.0633 | 15.8 | 0.00000591 | 0.00866 | 0.00158 | 0.00618 | 0.0314 | 0.0000134 | 19.2 | 0.00000415 | 0.000139 | 0.000169 | 0.0007 | 0.0466 |
| 2040 Jul | 149 | 0.000438 | 0.623 | 0.000245 | 30.6 | 0.0638 | 16 | 0.00000596 | 0.00872 | 0.00158 | 0.00622 | 0.0317 | 0.0000135 | 19.4 | 0.00000418 | 0.00014 | 0.000171 | 0.000706 | 0.0469 |
| 2040 Aug | 150 | 0.000245 | 0.628 | 0.000354 | 30.9 | 0.0643 | 16.1 | 0.000006 | 0.00879 | 0.00159 | 0.00626 | 0.032 | 0.0000136 | 19.6 | 0.0000042 | 0.00014 | 0.000172 | 0.000711 | 0.0473 |
| 2040 Sep | 150 | 0.000684 | 0.625 | 0.000501 | 30.9 | 0.0642 | 16 | 0.00000599 | 0.00877 | 0.00157 | 0.00624 | 0.0319 | 0.0000135 | 19.5 | 0.00000418 | 0.000139 | 0.000171 | 0.000709 | 0.0471 |
| 2040 Oct | 150 | 0.000782 | 0.627 | 0.000513 | 31 | 0.0644 | 16 | 0.00000601 | 0.0088 | 0.00158 | 0.00626 | 0.0321 | 0.0000136 | 19.6 | 0.0000042 | 0.00014 | 0.000172 | 0.000711 | 0.0473 |
| 2040 Nov | 150 | 0.00079 | 0.628 | 0.000514 | 31 | 0.0644 | 16.1 | 0.00000601 | 0.0088 | 0.00158 | 0.00626 | 0.0321 | 0.0000136 | 19.6 | 0.0000042 | 0.00014 | 0.000172 | 0.000712 | 0.0473 |
| 2040 Dec | 150 | 0.000794 | 0.628 | 0.000514 | 31 | 0.0644 | 16.1 | 0.00000601 | 0.0088 | 0.00158 | 0.00626 | 0.0321 | 0.0000136 | 19.6 | 0.0000042 | 0.00014 | 0.000172 | 0.000712 | 0.0473 |
| 2041 Jan | 150 | 0.000796 | 0.628 | 0.000514 | 31 | 0.0644 | 16.1 | 0.00000601 | 0.0088 | 0.00158 | 0.00626 | 0.0321 | 0.0000136 | 19.6 | 0.0000042 | 0.00014 | 0.000172 | 0.000712 | 0.0473 |
| 2041 Feb | 150 | 0.000797 | 0.628 | 0.000515 | 31 | 0.0644 | 16.1 | 0.00000601 | 0.0088 | 0.00158 | 0.00626 | 0.0321 | 0.0000136 | 19.6 | 0.0000042 | 0.00014 | 0.000172 | 0.000712 | 0.0473 |
| 2041 Mar | 150 | 0.000798 | 0.628 | 0.000515 | 31 | 0.0644 | 16.1 | 0.00000601 | 0.00881 | 0.00158 | 0.00627 | 0.0321 | 0.0000136 | 19.6 | 0.0000042 | 0.00014 | 0.000172 | 0.000712 | 0.0473 |
| 2041 Apr | 150 | 0.000799 | 0.628 | 0.000515 | 31 | 0.0645 | 16.1 | 0.00000601 | 0.00881 | 0.00158 | 0.00627 | 0.0321 | 0.0000136 | 19.6 | 0.0000042 | 0.00014 | 0.000172 | 0.000712 | 0.0473 |
| 2041 May | 151 | 0.000941 | 0.629 | 0.000531 | 31.1 | 0.0646 | 16.1 | 0.00000603 | 0.00883 | 0.00158 | 0.00628 | 0.0322 | 0.0000136 | 19.7 | 0.00000421 | 0.00014 | 0.000172 | 0.000714 | 0.0474 |
| 2041 Jun | 149 | 0.000656 | 0.619 | 0.000443 | 30.8 | 0.0638 | 15.8 | 0.00000594 | 0.00871 | 0.00152 | 0.00618 | 0.0319 | 0.0000133 | 19.4 | 0.00000413 | 0.000136 | 0.00017 | 0.000703 | 0.0467 |
| 2041 Jul | 149 | 0.000642 | 0.613 | 0.000472 | 30.7 | 0.0634 | 15.6 | 0.00000589 | 0.00863 | 0.00148 | 0.00611 | 0.0317 | 0.0000131 | 19.3 | 0.00000406 | 0.000133 | 0.000168 | 0.000697 | 0.0461 |
| 2041 Aug | 149 | 0.000482 | 0.613 | 0.000677 | 30.8 | 0.0635 | 15.6 | 0.00000589 | 0.00864 | 0.00147 | 0.0061 | 0.0318 | 0.0000131 | 19.4 | 0.00000406 | 0.000132 | 0.000168 | 0.000697 | 0.0461 |
| 2041 Sep | 150 | 0.000469 | 0.613 | 0.000763 | 30.9 | 0.0635 | 15.6 | 0.0000059 | 0.00865 | 0.00146 | 0.00611 | 0.0318 | 0.0000131 | 19.4 | 0.00000406 | 0.000132 | 0.000168 | 0.000698 | 0.0461 |
| 2041 Oct | 149 | 0.000675 | 0.609 | 0.000865 | 30.7 | 0.0632 | 15.5 | 0.00000586 | 0.0086 | 0.00144 | 0.00606 | 0.0316 | 0.000013 | 19.3 | 0.00000402 | 0.000131 | 0.000167 | 0.000693 | 0.0458 |
| 2041 Nov | 149 | 0.000702 | 0.609 | 0.000868 | 30.7 | 0.0632 | 15.5 | 0.00000586 | 0.0086 | 0.00145 | 0.00607 | 0.0317 | 0.000013 | 19.3 | 0.00000403 | 0.000131 | 0.000167 | 0.000694 | 0.0459 |
| 2041 Dec | 149 | 0.000709 | 0.609 | 0.000869 | 30.7 | 0.0632 | 15.5 | 0.00000586 | 0.00861 | 0.00145 | 0.00607 | 0.0317 | 0.000013 | 19.3 | 0.00000403 | 0.000131 | 0.000167 | 0.000694 | 0.0459 |
| 2042 Jan | 149 | 0.000713 | 0.609 | 0.00087 | 30.7 | 0.0632 | 15.5 | 0.00000586 | 0.00861 | 0.00145 | 0.00607 | 0.0317 | 0.000013 | 19.3 | 0.00000403 | 0.000131 | 0.000167 | 0.000694 | 0.0459 |
| 2042 Feb | 149 | 0.000715 | 0.609 | 0.00087 | 30.7 | 0.0632 | 15.5 | 0.00000586 | 0.00861 | 0.00145 | 0.00607 | 0.0317 | 0.000013 | 19.3 | 0.00000403 | 0.000131 | 0.000167 | 0.000694 | 0.0459 |
| 2042 Mar | 149 | 0.000716 | 0.609 | 0.00087 | 30.7 | 0.0632 | 15.5 | 0.00000586 | 0.00861 | 0.00145 | 0.00607 | 0.0317 | 0.000013 | 19.3 | 0.00000403 | 0.000131 | 0.000167 | 0.000694 | 0.0459 |
| 2042 Apr | 149 | 0.000717 | 0.61 | 0.000871 | 30.8 | 0.0633 | 15.5 | 0.00000587 | 0.00861 | 0.00145 | 0.00608 | 0.0317 | 0.000013 | 19.3 | 0.00000403 | 0.000131 | 0.000167 | 0.000694 | 0.0459 |
| 2042 May | 150 | 0.000909 | 0.612 | 0.000894 | 30.9 | 0.0636 | 15.6 | 0.0000059 | 0.00865 | 0.00145 | 0.0061 | 0.0319 | 0.0000131 | 19.4 | 0.00000405 | 0.000132 | 0.000168 | 0.000698 | 0.0461 |
| 2042 Jun | 148 | 0.000792 | 0.601 | 0.000701 | 30.6 | 0.0626 | 15.3 | 0.0000058 | 0.00851 | 0.00139 | 0.00598 | 0.0315 | 0.0000127 | 19.1 | 0.00000395 | 0.000127 | 0.000165 | 0.000685 | 0.0452 |
| 2042 Jul | 147 | 0.000594 | 0.595 | 0.000831 | 30.4 | 0.0622 | 15.1 | 0.00000574 | 0.00843 | 0.00135 | 0.00591 | 0.0313 | 0.0000125 | 19 | 0.0000039 | 0.000125 | 0.000163 | 0.000679 | 0.0447 |
| 2042 Aug | 147 | 0.000526 | 0.593 | 0.000208 | 30.3 | 0.0619 | 15 | 0.00000571 | 0.00839 | 0.00133 | 0.00588 | 0.0312 | 0.0000124 | 18.9 | 0.00000387 | 0.000123 | 0.000162 | 0.000675 | 0.0445 |
| 2042 Sep | 147 | 0.000538 | 0.591 | 0.000353 | 30.3 | 0.0617 | 14.9 | 0.00000569 | 0.00837 | 0.00132 | 0.00586 | 0.0311 | 0.0000124 | 18.9 | 0.00000385 | 0.000123 | 0.000161 | 0.000673 | 0.0443 |
| 2042 Oct | 144 | 0.00213 | 0.579 | 0.000613 | 29.9 | 0.0608 | 14.7 | 0.0000056 | 0.00824 | 0.00129 | 0.00575 | 0.0307 | 0.0000121 | 18.6 | 0.00000378 | 0.00012 | 0.000159 | 0.000662 | 0.0435 |
| 2042 Nov | 145 | 0.00222 | 0.579 | 0.000622 | 29.9 | 0.0608 | 14.7 | 0.0000056 | 0.00824 | 0.00129 | 0.00576 | 0.0307 | 0.0000121 | 18.6 | 0.00000378 | 0.00012 | 0.000159 | 0.000662 | 0.0436 |
| 2042 Dec | 145 | 0.00223 | 0.579 | 0.000623 | 29.9 | 0.0608 | 14.7 | 0.0000056 | 0.00824 | 0.00129 | 0.00576 | 0.0307 | 0.0000121 | 18.6 | 0.00000378 | 0.00012 | 0.000159 | 0.000662 | 0.0436 |
| 2043 Jan | 145 | 0.00223 | 0.579 | 0.000623 | 29.9 | 0.0608 | 14.7 | 0.0000056 | 0.00824 | 0.00129 | 0.00576 | 0.0307 | 0.0000121 | 18.6 | 0.00000378 | 0.00012 | 0.000159 | 0.000662 | 0.0436 |
| 2043 Feb | 145 | 0.00224 | 0.579 | 0.000624 | 29.9 | 0.0608 | 14.7 | 0.0000056 | 0.00824 | 0.00129 | 0.00576 | 0.0307 | 0.0000121 | 18.6 | 0.00000378 | 0.00012 | 0.000159 | 0.000662 | 0.0436 |
| 2043 Mar | 145 | 0.00224 | 0.579 | 0.000624 | 29.9 | 0.0608 | 14.7 | 0.0000056 | 0.00824 | 0.00129 | 0.00576 | 0.0307 | 0.0000121 | 18.6 | 0.00000378 | 0.00012 | 0.000159 | 0.000663 | 0.0436 |
| 2043 Apr | 145 | 0.00224 | 0.58 | 0.000624 | 29.9 | 0.0609 | 14.7 | 0.00000561 | 0.00825 | 0.00129 | 0.00576 | 0.0307 | 0.0000122 | 18.6 | 0.00000378 | 0.00012 | 0.000159 | 0.000663 | 0.0436 |
| 2043 May | 145 | 0.00275 | 0.582 | 0.000681 | 30.1 | 0.0612 | 14.8 | 0.00000563 | 0.00829 | 0.00129 | 0.00579 | 0.0309 | 0.0000122 | 18.7 | 0.0000038 | 0.00012 | 0.00016 | 0.000666 | 0.0438 |
| 2043 Jun | 143 | 0.0017 | 0.567 | 0.00053 | 29.5 | 0.0598 | 14.3 | 0.00000549 | 0.00809 | 0.00122 | 0.00563 | 0.0303 | 0.0000118 | 18.3 | 0.00000367 | 0.000115 | 0.000155 | 0.000649 | 0.0426 |
| 2043 Jul | 145 | 0.000666 | 0.577 | 0.00066 | 30 | 0.0608 | 14.5 | 0.00000558 | 0.00821 | 0.00123 | 0.00571 | 0.0308 | 0.000012 | 18.6 | 0.00000373 | 0.000117 | 0.000158 | 0.00066 | 0.0432 |
| 2043 Aug | 146 | 0.000571 | 0.579 | 0.00083 | 30.2 | 0.061 | 14.6 | 0.0000056 | 0.00825 | 0.00123 | 0.00573 | 0.0309 | 0.000012 | 18.7 | 0.00000374 | 0.000117 | 0.000158 | 0.000662 | 0.0434 |
| 2043 Sep | 145 | 0.000379 | 0.576 | 0.000504 | 30 | 0.0607 | 14.5 | 0.00000557 | 0.0082 | 0.00122 | 0.0057 | 0.0308 | 0.0000119 | 18.6 | 0.00000371 | 0.000116 | 0.000157 | 0.000658 | 0.0431 |
| 2043 Oct | 145 | 0.000487 | 0.576 | 0.0000414 | 30.1 | 0.0607 | 14.5 | 0.00000557 | 0.00821 | 0.00121 | 0.0057 | 0.0308 | 0.0000119 | 18.6 | 0.00000371 | 0.000116 | 0.000157 | 0.000659 | 0.0431 |
| 2043 Nov | 146 | 0.000498 | 0.577 | 0.0000426 | 30.1 | 0.0608 | 14.5 | 0.00000558 | 0.00822 | 0.00122 | 0.0057 | 0.0308 | 0.0000119 | 18.6 | 0.00000372 | 0.000116 | 0.000158 | 0.000659 | 0.0432 |
| 2043 Dec | 146 | 0.000504 | 0.577 | 0.0000432 | 30.1 | 0.0608 | 14.5 | 0.00000558 | 0.00822 | 0.00122 | 0.0057 | 0.0308 | 0.0000119 | 18.6 | 0.00000372 | 0.000116 | 0.000158 | 0.000659 | 0.0432 |
| 2044 Jan | 146 | 0.000506 | 0.577 | 0.0000436 | 30.1 | 0.0608 | 14.5 | 0.00000558 | 0.00822 | 0.00122 | 0.0057 | 0.0308 | 0.0000119 | 18.6 | 0.00000372 | 0.000116 | 0.000158 | 0.000659 | 0.0432 |
| 2044 Feb | 146 | 0.000508 | 0.577 | 0.0000437 | 30.1 | 0.0608 | 14.5 | 0.00000558 | 0.00822 | 0.00122 | 0.0057 | 0.0308 | 0.0000119 | 18.6 | 0.00000372 | 0.000116 | 0.000158 | 0.000659 | 0.0432 |
| 2044 Mar | 146 | 0.000509 | 0.577 | 0.0000438 | 30.1 | 0.0608 | 14.5 | 0.00000558 | 0.00822 | 0.00122 | 0.00571 | 0.0308 | 0.0000119 | 18.6 | 0.00000372 | 0.000116 | 0.000158 | 0.000659 | 0.0432 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 146 | 0.00051 | 0.577 | 0.0000439 | 30.1 | 0.0609 | 14.5 | 0.00000558 | 0.00822 | 0.00122 | 0.00571 | 0.0308 | 0.0000119 | 18.6 | 0.00000372 | 0.000116 | 0.000158 | 0.00066 | 0.0432 |
| 2044 May | 146 | 0.000563 | 0.58 | 0.0000536 | 30.2 | 0.0611 | 14.6 | 0.00000561 | 0.00826 | 0.00122 | 0.00573 | 0.031 | 0.000012 | 18.7 | 0.00000373 | 0.000116 | 0.000158 | 0.000662 | 0.0434 |
| 2044 Jun | 144 | 0.000713 | 0.565 | 0.000822 | 29.7 | 0.0598 | 14.2 | 0.00000548 | 0.00807 | 0.00116 | 0.00559 | 0.0304 | 0.0000116 | 18.3 | 0.00000362 | 0.000112 | 0.000154 | 0.000647 | 0.0423 |
| 2044 Jul | 145 | 0.000644 | 0.572 | 0.0000347 | 30 | 0.0605 | 14.3 | 0.00000553 | 0.00815 | 0.00117 | 0.00564 | 0.0307 | 0.0000117 | 18.5 | 0.00000366 | 0.000113 | 0.000156 | 0.000654 | 0.0427 |
| 2044 Aug | 147 | 0.000429 | 0.58 | 0.000108 | 30.5 | 0.0614 | 14.5 | 0.00000562 | 0.00828 | 0.00118 | 0.00572 | 0.0312 | 0.0000119 | 18.8 | 0.00000371 | 0.000114 | 0.000158 | 0.000663 | 0.0433 |
| 2044 Sep | 147 | 0.000623 | 0.576 | 0.000299 | 30.3 | 0.061 | 14.4 | 0.00000558 | 0.00822 | 0.00117 | 0.00568 | 0.031 | 0.0000118 | 18.7 | 0.00000368 | 0.000113 | 0.000157 | 0.000659 | 0.043 |
| 2044 Oct | 146 | 0.00171 | 0.571 | 0.000455 | 30.2 | 0.0606 | 14.3 | 0.00000554 | 0.00817 | 0.00116 | 0.00564 | 0.0308 | 0.0000117 | 18.6 | 0.00000365 | 0.000112 | 0.000156 | 0.000655 | 0.0428 |
| 2044 Nov | 146 | 0.00204 | 0.57 | 0.00049 | 30.1 | 0.0606 | 14.3 | 0.00000554 | 0.00817 | 0.00116 | 0.00564 | 0.0308 | 0.0000117 | 18.6 | 0.00000365 | 0.000112 | 0.000156 | 0.000654 | 0.0427 |
| 2044 Dec | 146 | 0.00205 | 0.57 | 0.000491 | 30.1 | 0.0606 | 14.3 | 0.00000554 | 0.00817 | 0.00116 | 0.00564 | 0.0308 | 0.0000117 | 18.6 | 0.00000365 | 0.000112 | 0.000156 | 0.000654 | 0.0427 |
| 2045 Jan | 146 | 0.00205 | 0.57 | 0.000492 | 30.1 | 0.0606 | 14.3 | 0.00000554 | 0.00817 | 0.00116 | 0.00564 | 0.0308 | 0.0000117 | 18.6 | 0.00000365 | 0.000112 | 0.000156 | 0.000654 | 0.0427 |
| 2045 Feb | 146 | 0.00205 | 0.57 | 0.000492 | 30.1 | 0.0606 | 14.3 | 0.00000554 | 0.00817 | 0.00116 | 0.00564 | 0.0308 | 0.0000117 | 18.6 | 0.00000365 | 0.000112 | 0.000156 | 0.000654 | 0.0427 |
| 2045 Mar | 146 | 0.00205 | 0.57 | 0.000492 | 30.1 | 0.0606 | 14.3 | 0.00000554 | 0.00817 | 0.00116 | 0.00564 | 0.0308 | 0.0000117 | 18.6 | 0.00000365 | 0.000112 | 0.000156 | 0.000654 | 0.0427 |
| 2045 Apr | 146 | 0.00205 | 0.57 | 0.000492 | 30.2 | 0.0606 | 14.3 | 0.00000554 | 0.00817 | 0.00116 | 0.00564 | 0.0308 | 0.0000117 | 18.6 | 0.00000365 | 0.000112 | 0.000156 | 0.000655 | 0.0427 |
| 2045 May | 146 | 0.00206 | 0.572 | 0.000494 | 30.3 | 0.0609 | 14.4 | 0.00000556 | 0.0082 | 0.00116 | 0.00566 | 0.0309 | 0.0000117 | 18.7 | 0.00000367 | 0.000112 | 0.000157 | 0.000657 | 0.0429 |
| 2045 Jun | 145 | 0.000689 | 0.568 | 0.000323 | 30.1 | 0.0604 | 14.2 | 0.00000551 | 0.00813 | 0.00113 | 0.00561 | 0.0307 | 0.0000116 | 18.5 | 0.00000362 | 0.000111 | 0.000155 | 0.000651 | 0.0425 |
| 2045 Jul | 148 | 0.000192 | 0.576 | 0.000237 | 30.6 | 0.0613 | 14.4 | 0.00000559 | 0.00825 | 0.00114 | 0.00568 | 0.0312 | 0.0000117 | 18.8 | 0.00000367 | 0.000112 | 0.000157 | 0.00066 | 0.0431 |
| 2045 Aug | 150 | 0.000498 | 0.585 | 0.000278 | 31.1 | 0.0623 | 14.7 | 0.00000568 | 0.00838 | 0.00116 | 0.00578 | 0.0317 | 0.0000119 | 19.1 | 0.00000373 | 0.000113 | 0.00016 | 0.000671 | 0.0438 |
| 2045 Sep | 151 | 0.000343 | 0.587 | 0.000345 | 31.2 | 0.0624 | 14.7 | 0.0000057 | 0.0084 | 0.00116 | 0.00579 | 0.0318 | 0.000012 | 19.2 | 0.00000374 | 0.000114 | 0.00016 | 0.000673 | 0.0439 |
| 2045 Oct | 151 | 0.000278 | 0.588 | 0.000364 | 31.2 | 0.0626 | 14.7 | 0.00000571 | 0.00842 | 0.00116 | 0.0058 | 0.0319 | 0.000012 | 19.2 | 0.00000374 | 0.000114 | 0.000161 | 0.000674 | 0.0439 |
| 2045 Nov | 151 | 0.000287 | 0.588 | 0.000365 | 31.2 | 0.0626 | 14.7 | 0.00000571 | 0.00842 | 0.00116 | 0.0058 | 0.0319 | 0.000012 | 19.2 | 0.00000374 | 0.000114 | 0.000161 | 0.000675 | 0.044 |
| 2045 Dec | 151 | 0.000291 | 0.588 | 0.000365 | 31.2 | 0.0626 | 14.7 | 0.00000571 | 0.00843 | 0.00116 | 0.0058 | 0.0319 | 0.000012 | 19.2 | 0.00000374 | 0.000114 | 0.000161 | 0.000675 | 0.044 |
| 2046 Jan | 151 | 0.000294 | 0.588 | 0.000366 | 31.2 | 0.0626 | 14.7 | 0.00000571 | 0.00843 | 0.00116 | 0.0058 | 0.0319 | 0.000012 | 19.2 | 0.00000374 | 0.000114 | 0.000161 | 0.000675 | 0.044 |
| 2046 Feb | 151 | 0.000295 | 0.588 | 0.000366 | 31.2 | 0.0626 | 14.7 | 0.00000571 | 0.00843 | 0.00116 | 0.0058 | 0.0319 | 0.000012 | 19.2 | 0.00000374 | 0.000114 | 0.000161 | 0.000675 | 0.044 |
| 2046 Mar | 151 | 0.000296 | 0.589 | 0.000366 | 31.2 | 0.0626 | 14.7 | 0.00000571 | 0.00843 | 0.00116 | 0.00581 | 0.0319 | 0.000012 | 19.2 | 0.00000375 | 0.000114 | 0.000161 | 0.000675 | 0.044 |
| 2046 Apr | 151 | 0.000296 | 0.589 | 0.000366 | 31.3 | 0.0627 | 14.7 | 0.00000572 | 0.00844 | 0.00117 | 0.00581 | 0.0319 | 0.000012 | 19.2 | 0.00000375 | 0.000114 | 0.000161 | 0.000675 | 0.044 |
| 2046 May | 152 | 0.000298 | 0.592 | 0.000368 | 31.4 | 0.0629 | 14.8 | 0.00000574 | 0.00847 | 0.00117 | 0.00584 | 0.0321 | 0.000012 | 19.3 | 0.00000377 | 0.000115 | 0.000162 | 0.000678 | 0.0442 |
| 2046 Jun | 138 | 0.00084 | 0.513 | 0.000466 | 28 | 0.0619 | 15.4 | 0.0000057 | 0.00927 | 0.00447 | 0.00577 | 0.0296 | 0.0000121 | 18 | 0.00000424 | 0.000118 | 0.000166 | 0.000718 | 0.0443 |
| 2046 Jul | 127 | 0.000605 | 0.447 | 0.000656 | 25.2 | 0.0621 | 16.3 | 0.00000577 | 0.0103 | 0.00772 | 0.00583 | 0.0277 | 0.0000124 | 17.1 | 0.00000478 | 0.000124 | 0.000174 | 0.000772 | 0.0452 |
| 2046 Aug | 127 | 0.000451 | 0.446 | 0.000744 | 25.2 | 0.063 | 16.5 | 0.00000585 | 0.0106 | 0.00808 | 0.0059 | 0.0278 | 0.0000125 | 17.2 | 0.00000489 | 0.000126 | 0.000177 | 0.00079 | 0.0458 |
| 2046 Sep | 121 | 0.000502 | 0.415 | 0.000896 | 23.9 | 0.0627 | 16.8 | 0.00000584 | 0.011 | 0.00942 | 0.00589 | 0.0268 | 0.0000126 | 16.7 | 0.00000509 | 0.000128 | 0.000179 | 0.000808 | 0.0459 |
| 2046 Oct | 118 | 0.00034 | 0.394 | 0.000976 | 23 | 0.0625 | 17 | 0.00000584 | 0.0112 | 0.0104 | 0.00588 | 0.0262 | 0.0000126 | 16.4 | 0.00000523 | 0.000129 | 0.000181 | 0.000821 | 0.0461 |
| 2046 Nov | 118 | 0.000366 | 0.393 | 0.000977 | 22.9 | 0.0626 | 17 | 0.00000585 | 0.0113 | 0.0104 | 0.00589 | 0.0261 | 0.0000127 | 16.4 | 0.00000525 | 0.000129 | 0.000181 | 0.000824 | 0.0461 |
| 2046 Dec | 117 | 0.000372 | 0.392 | 0.000977 | 22.9 | 0.0627 | 17.1 | 0.00000586 | 0.0113 | 0.0104 | 0.00589 | 0.0262 | 0.0000127 | 16.4 | 0.00000526 | 0.000129 | 0.000181 | 0.000826 | 0.0461 |
| 2047 Jan | 117 | 0.000376 | 0.392 | 0.000977 | 22.9 | 0.0627 | 17.1 | 0.00000586 | 0.0113 | 0.0104 | 0.00589 | 0.0262 | 0.0000127 | 16.4 | 0.00000526 | 0.000129 | 0.000181 | 0.000826 | 0.0461 |
| 2047 Feb | 117 | 0.000377 | 0.392 | 0.000977 | 22.9 | 0.0627 | 17.1 | 0.00000586 | 0.0113 | 0.0104 | 0.00589 | 0.0262 | 0.0000127 | 16.4 | 0.00000526 | 0.000129 | 0.000181 | 0.000826 | 0.0461 |
| 2047 Mar | 118 | 0.000379 | 0.392 | 0.000978 | 22.9 | 0.0627 | 17.1 | 0.00000586 | 0.0113 | 0.0104 | 0.00589 | 0.0262 | 0.0000127 | 16.4 | 0.00000526 | 0.000129 | 0.000181 | 0.000826 | 0.0461 |
| 2047 Apr | 118 | 0.000379 | 0.393 | 0.000978 | 22.9 | 0.0627 | 17.1 | 0.00000586 | 0.0113 | 0.0104 | 0.0059 | 0.0262 | 0.0000127 | 16.4 | 0.00000526 | 0.000129 | 0.000181 | 0.000826 | 0.0462 |
| 2047 May | 116 | 0.00131 | 0.382 | 0.00105 | 22.5 | 0.0628 | 17.2 | 0.00000587 | 0.0115 | 0.0109 | 0.00591 | 0.0259 | 0.0000127 | 16.2 | 0.00000534 | 0.00013 | 0.000182 | 0.000836 | 0.0463 |
| 2047 Jun | 104 | 0.00087 | 0.316 | 0.00053 | 19.6 | 0.0622 | 17.7 | 0.00000588 | 0.0122 | 0.0137 | 0.0059 | 0.0238 | 0.0000128 | 15.2 | 0.00000577 | 0.000134 | 0.000188 | 0.000873 | 0.0468 |
| 2047 Jul | 106 | 0.000562 | 0.323 | 0.00065 | 20 | 0.0638 | 18 | 0.000006 | 0.0126 | 0.0139 | 0.00602 | 0.0244 | 0.0000131 | 15.5 | 0.00000588 | 0.000137 | 0.000191 | 0.000896 | 0.0476 |
| 2047 Aug | 108 | 0.000504 | 0.328 | 0.000727 | 20.3 | 0.0648 | 18.2 | 0.00000608 | 0.0129 | 0.014 | 0.00609 | 0.0247 | 0.0000133 | 15.7 | 0.00000594 | 0.000139 | 0.000193 | 0.000911 | 0.0481 |
| 2047 Sep | 106 | 0.000444 | 0.321 | 0.000841 | 20 | 0.0644 | 18.2 | 0.00000606 | 0.0128 | 0.0142 | 0.00607 | 0.0244 | 0.0000132 | 15.5 | 0.00000595 | 0.000138 | 0.000193 | 0.000908 | 0.048 |
| 2047 Oct | 105 | 0.00055 | 0.316 | 0.000893 | 19.8 | 0.0641 | 18.2 | 0.00000605 | 0.0128 | 0.0144 | 0.00607 | 0.0243 | 0.0000132 | 15.5 | 0.00000598 | 0.000138 | 0.000194 | 0.000907 | 0.0481 |
| 2047 Nov | 105 | 0.000619 | 0.315 | 0.000899 | 19.8 | 0.0642 | 18.3 | 0.00000606 | 0.0128 | 0.0144 | 0.00607 | 0.0242 | 0.0000132 | 15.5 | 0.00000598 | 0.000138 | 0.000194 | 0.000908 | 0.0481 |
| 2047 Dec | 105 | 0.000626 | 0.315 | 0.0009 | 19.8 | 0.0642 | 18.3 | 0.00000606 | 0.0128 | 0.0144 | 0.00607 | 0.0242 | 0.0000132 | 15.5 | 0.00000599 | 0.000138 | 0.000194 | 0.000909 | 0.0481 |
| 2048 Jan | 105 | 0.000629 | 0.315 | 0.0009 | 19.8 | 0.0642 | 18.3 | 0.00000606 | 0.0128 | 0.0144 | 0.00607 | 0.0242 | 0.0000132 | 15.5 | 0.00000599 | 0.000138 | 0.000194 | 0.000909 | 0.0481 |
| 2048 Feb | 105 | 0.000631 | 0.315 | 0.0009 | 19.8 | 0.0642 | 18.3 | 0.00000606 | 0.0128 | 0.0144 | 0.00607 | 0.0242 | 0.0000132 | 15.5 | 0.00000599 | 0.000138 | 0.000194 | 0.000909 | 0.0481 |
| 2048 Mar | 105 | 0.000632 | 0.315 | 0.0009 | 19.8 | 0.0642 | 18.3 | 0.00000606 | 0.0128 | 0.0144 | 0.00607 | 0.0242 | 0.0000132 | 15.5 | 0.00000599 | 0.000138 | 0.000194 | 0.000909 | 0.0481 |
| 2048 Apr | 105 | 0.000634 | 0.315 | 0.000901 | 19.8 | 0.0643 | 18.3 | 0.00000606 | 0.0129 | 0.0144 | 0.00608 | 0.0243 | 0.0000132 | 15.5 | 0.00000599 | 0.000139 | 0.000194 | 0.00091 | 0.0481 |
| 2048 May | 106 | 0.000637 | 0.317 | 0.000905 | 19.9 | 0.0646 | 18.4 | 0.00000609 | 0.0129 | 0.0145 | 0.0061 | 0.0244 | 0.0000133 | 15.5 | 0.00000602 | 0.000139 | 0.000195 | 0.000915 | 0.0483 |
| 2048 Jun | 97.6 | 0.000906 | 0.277 | 0.000576 | 18 | 0.0629 | 18 | 0.00000596 | 0.0131 | 0.0153 | 0.00596 | 0.0228 | 0.0000131 | 14.6 | 0.00000605 | 0.000137 | 0.000193 | 0.000913 | 0.0475 |
| 2048 Jul | 93.6 | 0.000482 | 0.256 | 0.000253 | 17.1 | 0.0623 | 18 | 0.00000594 | 0.0132 | 0.0158 | 0.00593 | 0.0221 | 0.000013 | 14.2 | 0.00000611 | 0.000137 | 0.000194 | 0.000915 | 0.0473 |
| 2048 Aug | 95 | 0.000675 | 0.261 | 0.000331 | 17.4 | 0.0634 | 18.2 | 0.00000602 | 0.0134 | 0.0159 | 0.00602 | 0.0224 | 0.0000132 | 14.4 | 0.00000618 | 0.000139 | 0.000197 | 0.00093 | 0.0479 |
| 2048 Sep | 95.7 | 0.000355 | 0.264 | 0.000379 | 17.6 | 0.0638 | 18.3 | 0.00000606 | 0.0135 | 0.016 | 0.00605 | 0.0226 | 0.0000133 | 14.5 | 0.0000062 | 0.00014 | 0.000198 | 0.000936 | 0.0482 |
| 2048 Oct | 94.5 | 0.00172 | 0.257 | 0.000537 | 17.3 | 0.0633 | 18.1 | 0.00000602 | 0.0135 | 0.0159 | 0.00601 | 0.0224 | 0.0000132 | 14.3 | 0.00000617 | 0.000139 | 0.000197 | 0.00093 | 0.0478 |
| 2048 Nov | 94 | 0.00227 | 0.254 | 0.000603 | 17.2 | 0.0634 | 18.1 | 0.00000602 | 0.0135 | 0.016 | 0.00601 | 0.0223 | 0.0000132 | 14.3 | 0.00000618 | 0.000139 | 0.000197 | 0.000934 | 0.0478 |
| 2048 Dec | 93.9 | 0.00227 | 0.254 | 0.000604 | 17.2 | 0.0634 | 18.1 | 0.00000602 | 0.0136 | 0.016 | 0.00601 | 0.0223 | 0.0000132 | 14.3 | 0.00000619 | 0.000139 | 0.000197 | 0.000934 | 0.0478 |
| 2049 Jan | 93.9 | 0.00228 | 0.253 | 0.000604 | 17.2 | 0.0634 | 18.1 | 0.00000602 | 0.0136 | 0.016 | 0.00601 | 0.0223 | 0.0000132 | 14.3 | 0.00000619 | 0.000139 | 0.000197 | 0.000936 | 0.0478 |
| 2049 Feb | 93.9 | 0.00228 | 0.253 | 0.000605 | 17.2 | 0.0634 | 18.1 | 0.00000602 | 0.0136 | 0.016 | 0.00601 | 0.0223 | 0.0000132 | 14.3 | 0.00000619 | 0.000139 | 0.000197 | 0.000936 | 0.0478 |
| 2049 Mar | 93.9 | 0.00228 | 0.253 | 0.000605 | 17.2 | 0.0634 | 18.1 | 0.00000602 | 0.0136 | 0.016 | 0.00601 | 0.0223 | 0.0000132 | 14.3 | 0.00000619 | 0.000139 | 0.000197 | 0.000936 | 0.0478 |
| 2049 Apr | 94 | 0.00228 | 0.254 | 0.000605 | 17.2 | 0.0635 | 18.1 | 0.00000602 | 0.0136 | 0.016 | 0.00601 | 0.0223 | 0.0000132 | 14.3 | 0.00000619 | 0.000139 | 0.000197 | 0.000936 | 0.0479 |
| 2049 May | 94.4 | 0.00231 | 0.255 | 0.00061 | 17.3 | 0.0639 | 18.2 | 0.00000605 | 0.0137 | 0.0161 | 0.00604 | 0.0224 | 0.0000133 | 14.4 | 0.00000622 | 0.00014 | 0.000198 | 0.000942 | 0.0481 |
| 2049 Jun | 90.7 | 0.000807 | 0.241 | 0.000649 | 16.5 | 0.0627 | 17.7 | 0.00000594 | 0.0136 | 0.0158 | 0.00592 | 0.0217 | 0.000013 | 13.9 | 0.00000611 | 0.000137 | 0.000195 | 0.000929 | 0.0472 |
| 2049 Jul | 88.7 | 0.000434 | 0.233 | 0.000849 | 16.1 | 0.0621 | 17.5 | 0.0000059 | 0.0136 | 0.0157 | 0.00588 | 0.0213 | 0.0000129 | 13.6 | 0.00000606 | 0.000136 | 0.000194 | 0.000923 | 0.0468 |
| 2049 Aug | 90 | 0.000556 | 0.237 | 0.000936 | 16.4 | 0.0629 | 17.6 | 0.00000597 | 0.0138 | 0.0158 | 0.00595 | 0.0216 | 0.000013 | 13.8 | 0.00000611 | 0.000137 | 0.000196 | 0.000935 | 0.0473 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 89.5 | 0.000637 | 0.235 | 0.000157 | 16.3 | 0.0627 | 17.6 | 0.00000595 | 0.0137 | 0.0157 | 0.00593 | 0.0215 | 0.000013 | 13.7 | 0.00000608 | 0.000136 | 0.000195 | 0.000931 | 0.0471 |
| 2049 Oct | 89.1 | 0.000669 | 0.233 | 0.000213 | 16.2 | 0.0624 | 17.5 | 0.00000594 | 0.0136 | 0.0157 | 0.00592 | 0.0214 | 0.000013 | 13.7 | 0.00000608 | 0.000136 | 0.000195 | 0.000927 | 0.0471 |
| 2049 Nov | 89.1 | 0.000798 | 0.232 | 0.000231 | 16.2 | 0.0624 | 17.5 | 0.00000594 | 0.0136 | 0.0158 | 0.00592 | 0.0214 | 0.000013 | 13.7 | 0.00000608 | 0.000136 | 0.000195 | 0.000927 | 0.0471 |
| 2049 Dec | 89.1 | 0.000805 | 0.232 | 0.000232 | 16.2 | 0.0624 | 17.5 | 0.00000594 | 0.0136 | 0.0158 | 0.00592 | 0.0214 | 0.000013 | 13.7 | 0.00000608 | 0.000136 | 0.000195 | 0.000927 | 0.0471 |
| 2050 Jan | 89.1 | 0.000809 | 0.232 | 0.000233 | 16.2 | 0.0624 | 17.5 | 0.00000594 | 0.0136 | 0.0158 | 0.00592 | 0.0214 | 0.000013 | 13.7 | 0.00000608 | 0.000136 | 0.000195 | 0.000927 | 0.0471 |
| 2050 Feb | 89.1 | 0.000811 | 0.232 | 0.000233 | 16.2 | 0.0624 | 17.5 | 0.00000594 | 0.0136 | 0.0158 | 0.00592 | 0.0214 | 0.000013 | 13.7 | 0.00000608 | 0.000136 | 0.000195 | 0.000927 | 0.0471 |
| 2050 Mar | 89.1 | 0.000812 | 0.232 | 0.000233 | 16.2 | 0.0624 | 17.5 | 0.00000594 | 0.0136 | 0.0158 | 0.00592 | 0.0214 | 0.000013 | 13.7 | 0.00000608 | 0.000136 | 0.000195 | 0.000927 | 0.0471 |
| 2050 Apr | 89.1 | 0.000813 | 0.233 | 0.000234 | 16.2 | 0.0625 | 17.5 | 0.00000595 | 0.0136 | 0.0158 | 0.00593 | 0.0214 | 0.000013 | 13.7 | 0.00000609 | 0.000136 | 0.000196 | 0.000928 | 0.0472 |
| 2050 May | 89.5 | 0.000824 | 0.233 | 0.000235 | 16.3 | 0.0627 | 17.6 | 0.00000597 | 0.0137 | 0.0158 | 0.00595 | 0.0215 | 0.000013 | 13.7 | 0.00000611 | 0.000137 | 0.000196 | 0.000932 | 0.0473 |
| 2050 Jun | 88.7 | 0.000632 | 0.232 | 0.000539 | 16.2 | 0.0621 | 17.3 | 0.00000592 | 0.0136 | 0.0155 | 0.00589 | 0.0213 | 0.0000129 | 13.6 | 0.00000601 | 0.000135 | 0.000195 | 0.00092 | 0.0469 |
| 2050 Jul | 88.4 | 0.000645 | 0.23 | 0.000176 | 16.2 | 0.0615 | 17.1 | 0.0000059 | 0.0133 | 0.0153 | 0.00588 | 0.0212 | 0.0000129 | 13.5 | 0.00000597 | 0.000133 | 0.000195 | 0.000906 | 0.0469 |
| 2050 Aug | 89.7 | 0.000616 | 0.234 | 0.000257 | 16.4 | 0.0625 | 17.3 | 0.00000598 | 0.0135 | 0.0154 | 0.00596 | 0.0216 | 0.000013 | 13.7 | 0.00000604 | 0.000135 | 0.000197 | 0.000922 | 0.0474 |
| 2050 Sep | 89.8 | 0.0004 | 0.235 | 0.000385 | 16.4 | 0.0626 | 17.3 | 0.00000599 | 0.0136 | 0.0154 | 0.00596 | 0.0216 | 0.000013 | 13.7 | 0.00000603 | 0.000135 | 0.000197 | 0.000923 | 0.0474 |
| 2050 Oct | 90 | 0.000339 | 0.236 | 0.000409 | 16.5 | 0.0628 | 17.4 | 0.000006 | 0.0136 | 0.0154 | 0.00598 | 0.0217 | 0.0000131 | 13.8 | 0.00000604 | 0.000135 | 0.000197 | 0.000926 | 0.0475 |
| 2050 Nov | 90.1 | 0.000349 | 0.236 | 0.00041 | 16.5 | 0.0629 | 17.4 | 0.00000601 | 0.0137 | 0.0154 | 0.00598 | 0.0217 | 0.0000131 | 13.8 | 0.00000605 | 0.000136 | 0.000198 | 0.000927 | 0.0475 |
| 2050 Dec | 90.1 | 0.000354 | 0.236 | 0.000411 | 16.5 | 0.0629 | 17.4 | 0.00000601 | 0.0137 | 0.0154 | 0.00598 | 0.0217 | 0.0000131 | 13.8 | 0.00000605 | 0.000136 | 0.000198 | 0.000927 | 0.0476 |
| 2051 Jan | 90.1 | 0.000357 | 0.236 | 0.000411 | 16.5 | 0.0629 | 17.4 | 0.00000601 | 0.0137 | 0.0154 | 0.00598 | 0.0217 | 0.0000131 | 13.8 | 0.00000605 | 0.000136 | 0.000198 | 0.000927 | 0.0475 |
| 2051 Feb | 90.1 | 0.000358 | 0.236 | 0.000411 | 16.5 | 0.0629 | 17.4 | 0.00000601 | 0.0137 | 0.0154 | 0.00598 | 0.0217 | 0.0000131 | 13.8 | 0.00000605 | 0.000136 | 0.000198 | 0.000927 | 0.0475 |
| 2051 Mar | 90.1 | 0.000359 | 0.236 | 0.000412 | 16.5 | 0.0629 | 17.4 | 0.00000601 | 0.0137 | 0.0154 | 0.00598 | 0.0217 | 0.0000131 | 13.8 | 0.00000605 | 0.000136 | 0.000198 | 0.000927 | 0.0476 |
| 2051 Apr | 90.2 | 0.000359 | 0.236 | 0.000412 | 16.5 | 0.063 | 17.4 | 0.00000601 | 0.0137 | 0.0154 | 0.00599 | 0.0217 | 0.0000131 | 13.8 | 0.00000605 | 0.000136 | 0.000198 | 0.000928 | 0.0476 |
| 2051 May | 90.6 | 0.000613 | 0.237 | 0.000441 | 16.6 | 0.0632 | 17.4 | 0.00000604 | 0.0137 | 0.0155 | 0.00601 | 0.0218 | 0.0000131 | 13.8 | 0.00000607 | 0.000136 | 0.000198 | 0.000932 | 0.0478 |
| 2051 Jun | 87.1 | 0.000831 | 0.225 | 0.000539 | 15.9 | 0.0618 | 16.7 | 0.00000588 | 0.0136 | 0.0148 | 0.00585 | 0.0211 | 0.0000128 | 13.3 | 0.00000587 | 0.000132 | 0.000193 | 0.000913 | 0.0464 |
| 2051 Jul | 87.4 | 0.000643 | 0.226 | 0.000646 | 16 | 0.0624 | 16.8 | 0.00000593 | 0.0137 | 0.0147 | 0.00589 | 0.0213 | 0.0000129 | 13.4 | 0.00000589 | 0.000133 | 0.000194 | 0.000921 | 0.0466 |
| 2051 Aug | 88.3 | 0.000466 | 0.229 | 0.000781 | 16.2 | 0.0628 | 16.8 | 0.00000597 | 0.0138 | 0.0147 | 0.00593 | 0.0214 | 0.0000129 | 13.5 | 0.0000059 | 0.000133 | 0.000195 | 0.000925 | 0.0469 |
| 2051 Sep | 88.5 | 0.000533 | 0.229 | 0.000875 | 16.3 | 0.0628 | 16.8 | 0.00000597 | 0.0138 | 0.0147 | 0.00594 | 0.0215 | 0.0000129 | 13.5 | 0.0000059 | 0.000133 | 0.000196 | 0.000924 | 0.0469 |
| 2051 Oct | 87.9 | 0.00139 | 0.227 | 0.000974 | 16.2 | 0.0622 | 16.7 | 0.00000594 | 0.0136 | 0.0146 | 0.00591 | 0.0213 | 0.0000129 | 13.4 | 0.00000587 | 0.000132 | 0.000195 | 0.000915 | 0.0468 |
| 2051 Nov | 87.6 | 0.00172 | 0.225 | 0.000997 | 16.1 | 0.0621 | 16.7 | 0.00000594 | 0.0136 | 0.0146 | 0.0059 | 0.0212 | 0.0000129 | 13.4 | 0.00000586 | 0.000132 | 0.000195 | 0.000913 | 0.0468 |
| 2051 Dec | 87.6 | 0.00172 | 0.225 | 0.000996 | 16.1 | 0.0621 | 16.7 | 0.00000594 | 0.0136 | 0.0147 | 0.0059 | 0.0212 | 0.0000129 | 13.4 | 0.00000587 | 0.000132 | 0.000195 | 0.000913 | 0.0468 |
| 2052 Jan | 87.6 | 0.00173 | 0.225 | 0.000997 | 16.1 | 0.0621 | 16.7 | 0.00000594 | 0.0136 | 0.0147 | 0.0059 | 0.0212 | 0.0000129 | 13.4 | 0.00000587 | 0.000132 | 0.000195 | 0.000913 | 0.0468 |
| 2052 Feb | 87.6 | 0.00173 | 0.225 | 0.000997 | 16.1 | 0.0621 | 16.7 | 0.00000594 | 0.0136 | 0.0147 | 0.0059 | 0.0212 | 0.0000129 | 13.4 | 0.00000587 | 0.000132 | 0.000195 | 0.000913 | 0.0468 |
| 2052 Mar | 87.6 | 0.00173 | 0.225 | 0.000997 | 16.1 | 0.0621 | 16.7 | 0.00000594 | 0.0136 | 0.0147 | 0.0059 | 0.0212 | 0.0000129 | 13.4 | 0.00000587 | 0.000132 | 0.000195 | 0.000913 | 0.0468 |
| 2052 Apr | 87.7 | 0.00173 | 0.225 | 0.000998 | 16.1 | 0.0621 | 16.7 | 0.00000594 | 0.0136 | 0.0147 | 0.00591 | 0.0212 | 0.0000129 | 13.4 | 0.00000587 | 0.000132 | 0.000195 | 0.000913 | 0.0468 |
| 2052 May | 88.1 | 0.00202 | 0.226 | 0.000998 | 16.2 | 0.0628 | 16.7 | 0.00000597 | 0.0138 | 0.0146 | 0.00593 | 0.0214 | 0.0000129 | 13.4 | 0.00000589 | 0.000133 | 0.000196 | 0.000925 | 0.0469 |
| 2052 Jun | 87.4 | 0.000717 | 0.226 | 0.000704 | 16.1 | 0.0612 | 16.4 | 0.00000589 | 0.0133 | 0.0143 | 0.00585 | 0.0211 | 0.0000127 | 13.3 | 0.00000576 | 0.00013 | 0.000194 | 0.000894 | 0.0464 |
| 2052 Jul | 88.9 | 0.00054 | 0.232 | 0.000889 | 16.4 | 0.0622 | 16.6 | 0.00000597 | 0.0134 | 0.0143 | 0.00594 | 0.0215 | 0.0000129 | 13.5 | 0.00000582 | 0.000131 | 0.000196 | 0.000906 | 0.047 |
| 2052 Aug | 90.1 | 0.000682 | 0.235 | 0.000738 | 16.7 | 0.0629 | 16.7 | 0.00000603 | 0.0136 | 0.0143 | 0.00599 | 0.0217 | 0.000013 | 13.6 | 0.00000586 | 0.000132 | 0.000198 | 0.000916 | 0.0474 |
| 2052 Sep | 90.2 | 0.000344 | 0.237 | 0.0000528 | 16.7 | 0.0631 | 16.7 | 0.00000604 | 0.0137 | 0.0143 | 0.006 | 0.0218 | 0.000013 | 13.7 | 0.00000586 | 0.000132 | 0.000198 | 0.000918 | 0.0474 |
| 2052 Oct | 90.2 | 0.000486 | 0.237 | 0.000101 | 16.7 | 0.0631 | 16.7 | 0.00000604 | 0.0137 | 0.0143 | 0.006 | 0.0218 | 0.000013 | 13.6 | 0.00000586 | 0.000132 | 0.000198 | 0.000919 | 0.0474 |
| 2052 Nov | 90.2 | 0.000508 | 0.237 | 0.000105 | 16.7 | 0.0631 | 16.7 | 0.00000604 | 0.0137 | 0.0143 | 0.006 | 0.0218 | 0.000013 | 13.7 | 0.00000586 | 0.000133 | 0.000198 | 0.000919 | 0.0474 |
| 2052 Dec | 90.2 | 0.000514 | 0.237 | 0.000106 | 16.7 | 0.0631 | 16.7 | 0.00000604 | 0.0137 | 0.0143 | 0.006 | 0.0218 | 0.000013 | 13.7 | 0.00000586 | 0.000133 | 0.000198 | 0.000919 | 0.0474 |
| 2053 Jan | 90.2 | 0.000518 | 0.237 | 0.000106 | 16.7 | 0.0631 | 16.7 | 0.00000604 | 0.0137 | 0.0143 | 0.006 | 0.0218 | 0.000013 | 13.7 | 0.00000586 | 0.000133 | 0.000198 | 0.000919 | 0.0474 |
| 2053 Feb | 90.2 | 0.000519 | 0.237 | 0.000106 | 16.7 | 0.0632 | 16.7 | 0.00000604 | 0.0137 | 0.0143 | 0.006 | 0.0218 | 0.000013 | 13.7 | 0.00000586 | 0.000133 | 0.000198 | 0.00092 | 0.0474 |
| 2053 Mar | 90.2 | 0.000521 | 0.237 | 0.000106 | 16.7 | 0.0632 | 16.7 | 0.00000604 | 0.0137 | 0.0143 | 0.00601 | 0.0218 | 0.000013 | 13.7 | 0.00000586 | 0.000133 | 0.000198 | 0.000921 | 0.0474 |
| 2053 Apr | 90.3 | 0.000522 | 0.237 | 0.000107 | 16.7 | 0.0633 | 16.7 | 0.00000605 | 0.0137 | 0.0143 | 0.00601 | 0.0218 | 0.0000131 | 13.7 | 0.00000587 | 0.000133 | 0.000198 | 0.000923 | 0.0475 |
| 2053 May | 90.5 | 0.00153 | 0.237 | 0.000238 | 16.8 | 0.0642 | 16.7 | 0.00000607 | 0.0141 | 0.0142 | 0.00603 | 0.022 | 0.0000131 | 13.7 | 0.00000588 | 0.000134 | 0.000198 | 0.000939 | 0.0474 |
| 2053 Jun | 86.9 | 0.000948 | 0.225 | 0.00049 | 16.1 | 0.0615 | 16 | 0.00000589 | 0.0134 | 0.0137 | 0.00585 | 0.0211 | 0.0000127 | 13.2 | 0.00000567 | 0.000128 | 0.000193 | 0.000896 | 0.0462 |
| 2053 Jul | 88.1 | 0.000309 | 0.229 | 0.000162 | 16.3 | 0.0622 | 16.2 | 0.00000596 | 0.0135 | 0.0138 | 0.00593 | 0.0214 | 0.0000128 | 13.3 | 0.00000573 | 0.00013 | 0.000196 | 0.000904 | 0.0468 |
| 2053 Aug | 89.7 | 0.000549 | 0.234 | 0.000257 | 16.7 | 0.0633 | 16.4 | 0.00000604 | 0.0138 | 0.0138 | 0.006 | 0.0218 | 0.000013 | 13.5 | 0.00000578 | 0.000131 | 0.000198 | 0.00092 | 0.0473 |
| 2053 Sep | 90.4 | 0.000752 | 0.236 | 0.00033 | 16.8 | 0.0638 | 16.4 | 0.00000607 | 0.0139 | 0.0138 | 0.00603 | 0.022 | 0.0000131 | 13.6 | 0.0000058 | 0.000132 | 0.000198 | 0.000926 | 0.0474 |
| 2053 Oct | 90.4 | 0.0011 | 0.236 | 0.000373 | 16.8 | 0.0637 | 16.4 | 0.00000607 | 0.0139 | 0.0138 | 0.00603 | 0.022 | 0.0000131 | 13.6 | 0.0000058 | 0.000132 | 0.000198 | 0.000926 | 0.0474 |
| 2053 Nov | 90.4 | 0.00127 | 0.236 | 0.000393 | 16.8 | 0.0638 | 16.4 | 0.00000607 | 0.0139 | 0.0138 | 0.00603 | 0.022 | 0.0000131 | 13.6 | 0.0000058 | 0.000132 | 0.000198 | 0.000926 | 0.0474 |
| 2053 Dec | 90.3 | 0.00128 | 0.236 | 0.000394 | 16.8 | 0.0639 | 16.4 | 0.00000608 | 0.014 | 0.0138 | 0.00603 | 0.022 | 0.0000131 | 13.6 | 0.0000058 | 0.000132 | 0.000198 | 0.00093 | 0.0474 |
| 2054 Jan | 90.3 | 0.00128 | 0.235 | 0.000395 | 16.8 | 0.064 | 16.4 | 0.00000608 | 0.014 | 0.0138 | 0.00603 | 0.022 | 0.0000131 | 13.6 | 0.0000058 | 0.000132 | 0.000198 | 0.00093 | 0.0474 |
| 2054 Feb | 90.3 | 0.00128 | 0.235 | 0.000395 | 16.8 | 0.064 | 16.4 | 0.00000608 | 0.014 | 0.0138 | 0.00603 | 0.022 | 0.0000131 | 13.6 | 0.0000058 | 0.000132 | 0.000198 | 0.000932 | 0.0474 |
| 2054 Mar | 90.3 | 0.00128 | 0.235 | 0.000395 | 16.8 | 0.0641 | 16.4 | 0.00000608 | 0.0141 | 0.0138 | 0.00603 | 0.022 | 0.0000131 | 13.6 | 0.0000058 | 0.000133 | 0.000198 | 0.000933 | 0.0474 |
| 2054 Apr | 90.3 | 0.00129 | 0.236 | 0.000395 | 16.8 | 0.0641 | 16.4 | 0.00000609 | 0.0141 | 0.0138 | 0.00604 | 0.022 | 0.0000131 | 13.6 | 0.00000581 | 0.000133 | 0.000198 | 0.000933 | 0.0474 |
| 2054 May | 90.8 | 0.00153 | 0.237 | 0.000425 | 16.9 | 0.0645 | 16.5 | 0.00000611 | 0.0142 | 0.0138 | 0.00606 | 0.0221 | 0.0000131 | 13.7 | 0.00000583 | 0.000133 | 0.000199 | 0.00094 | 0.0476 |
| 2054 Jun | 87.4 | 0.000995 | 0.227 | 0.000457 | 16.3 | 0.0611 | 15.8 | 0.0000059 | 0.0131 | 0.0134 | 0.00586 | 0.0212 | 0.0000127 | 13.2 | 0.00000559 | 0.000126 | 0.000194 | 0.000881 | 0.0463 |
| 2054 Jul | 86.4 | 0.000616 | 0.223 | 0.000515 | 16.1 | 0.0605 | 15.6 | 0.00000586 | 0.013 | 0.0132 | 0.00582 | 0.0209 | 0.0000126 | 13 | 0.00000554 | 0.000125 | 0.000193 | 0.000872 | 0.046 |
| 2054 Aug | 85.5 | 0.00062 | 0.22 | 0.000771 | 15.9 | 0.0603 | 15.5 | 0.00000584 | 0.013 | 0.0131 | 0.0058 | 0.0208 | 0.0000125 | 12.9 | 0.00000551 | 0.000125 | 0.000192 | 0.000871 | 0.0458 |
| 2054 Sep | 84.9 | 0.000678 | 0.217 | 0.000935 | 15.8 | 0.0601 | 15.4 | 0.00000582 | 0.013 | 0.013 | 0.00578 | 0.0207 | 0.0000125 | 12.8 | 0.00000549 | 0.000124 | 0.000192 | 0.000868 | 0.0457 |
| 2054 Oct | 83.9 | 0.00199 | 0.213 | 0.00107 | 15.6 | 0.0592 | 15.2 | 0.00000577 | 0.0127 | 0.0129 | 0.00573 | 0.0204 | 0.0000124 | 12.7 | 0.00000543 | 0.000122 | 0.000191 | 0.000853 | 0.0454 |
| 2054 Nov | 83.6 | 0.00258 | 0.211 | 0.0011 | 15.6 | 0.059 | 15.1 | 0.00000576 | 0.0126 | 0.013 | 0.00573 | 0.0203 | 0.0000124 | 12.6 | 0.00000543 | 0.000122 | 0.000191 | 0.000849 | 0.0454 |
| 2054 Dec | 83.6 | 0.00258 | 0.21 | 0.0011 | 15.6 | 0.059 | 15.1 | 0.00000576 | 0.0126 | 0.013 | 0.00573 | 0.0203 | 0.0000124 | 12.6 | 0.00000543 | 0.000122 | 0.000191 | 0.000849 | 0.0454 |
| 2055 Jan | 83.6 | 0.00258 | 0.21 | 0.0011 | 15.6 | 0.059 | 15.1 | 0.00000576 | 0.0126 | 0.013 | 0.00573 | 0.0203 | 0.0000124 | 12.6 | 0.00000543 | 0.000122 | 0.000191 | 0.000849 | 0.0454 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 83.6 | 0.00259 | 0.21 | 0.0011 | 15.6 | 0.059 | 15.1 | 0.00000576 | 0.0126 | 0.013 | 0.00573 | 0.0203 | 0.0000124 | 12.6 | 0.00000543 | 0.000122 | 0.000191 | 0.000849 | 0.0454 |
| 2055 Mar | 83.6 | 0.00259 | 0.21 | 0.0011 | 15.6 | 0.059 | 15.1 | 0.00000576 | 0.0126 | 0.013 | 0.00573 | 0.0203 | 0.0000124 | 12.6 | 0.00000543 | 0.000122 | 0.000191 | 0.000849 | 0.0454 |
| 2055 Apr | 83.6 | 0.00259 | 0.21 | 0.0011 | 15.6 | 0.059 | 15.1 | 0.00000577 | 0.0126 | 0.013 | 0.00573 | 0.0203 | 0.0000124 | 12.7 | 0.00000543 | 0.000122 | 0.000191 | 0.000849 | 0.0454 |
| 2055 May | 83.9 | 0.0026 | 0.211 | 0.00111 | 15.6 | 0.0592 | 15.2 | 0.00000579 | 0.0127 | 0.013 | 0.00575 | 0.0204 | 0.0000124 | 12.7 | 0.00000545 | 0.000122 | 0.000192 | 0.000852 | 0.0456 |
| 2055 Jun | 83.3 | 0.000816 | 0.212 | 0.000624 | 15.5 | 0.0591 | 14.9 | 0.00000574 | 0.0127 | 0.0126 | 0.0057 | 0.0203 | 0.0000123 | 12.6 | 0.00000536 | 0.000121 | 0.00019 | 0.00085 | 0.0451 |
| 2055 Jul | 83.8 | 0.000462 | 0.215 | 0.000127 | 15.7 | 0.0596 | 14.9 | 0.00000578 | 0.0129 | 0.0125 | 0.00574 | 0.0205 | 0.0000124 | 12.6 | 0.00000536 | 0.000122 | 0.000191 | 0.000857 | 0.0452 |
| 2055 Aug | 84.5 | 0.000631 | 0.217 | 0.00031 | 15.8 | 0.06 | 15 | 0.00000581 | 0.013 | 0.0124 | 0.00577 | 0.0206 | 0.0000124 | 12.7 | 0.00000538 | 0.000122 | 0.000192 | 0.000862 | 0.0454 |
| 2055 Sep | 83.9 | 0.00058 | 0.215 | 0.000529 | 15.7 | 0.0596 | 14.8 | 0.00000578 | 0.0128 | 0.0124 | 0.00574 | 0.0205 | 0.0000124 | 12.6 | 0.00000534 | 0.000121 | 0.000191 | 0.000854 | 0.0453 |
| 2055 Oct | 83.7 | 0.000988 | 0.213 | 0.000607 | 15.7 | 0.0594 | 14.8 | 0.00000578 | 0.0128 | 0.0124 | 0.00574 | 0.0204 | 0.0000123 | 12.6 | 0.00000533 | 0.000121 | 0.000191 | 0.000851 | 0.0453 |
| 2055 Nov | 83.5 | 0.00111 | 0.212 | 0.000619 | 15.6 | 0.0598 | 14.8 | 0.00000579 | 0.013 | 0.0123 | 0.00574 | 0.0204 | 0.0000124 | 12.6 | 0.00000534 | 0.000121 | 0.000191 | 0.00086 | 0.0452 |
| 2055 Dec | 83.4 | 0.00117 | 0.212 | 0.000624 | 15.6 | 0.0601 | 14.8 | 0.0000058 | 0.0131 | 0.0123 | 0.00575 | 0.0205 | 0.0000124 | 12.6 | 0.00000535 | 0.000122 | 0.000191 | 0.000866 | 0.0452 |
| 2056 Jan | 83.4 | 0.00118 | 0.212 | 0.000625 | 15.6 | 0.0601 | 14.8 | 0.0000058 | 0.0131 | 0.0123 | 0.00575 | 0.0205 | 0.0000124 | 12.6 | 0.00000535 | 0.000122 | 0.000191 | 0.000866 | 0.0452 |
| 2056 Feb | 83.4 | 0.00118 | 0.212 | 0.000625 | 15.6 | 0.0601 | 14.8 | 0.0000058 | 0.0132 | 0.0123 | 0.00575 | 0.0205 | 0.0000124 | 12.6 | 0.00000535 | 0.000122 | 0.000191 | 0.000867 | 0.0452 |
| 2056 Mar | 83.4 | 0.00118 | 0.212 | 0.000625 | 15.6 | 0.0602 | 14.8 | 0.0000058 | 0.0132 | 0.0123 | 0.00575 | 0.0205 | 0.0000124 | 12.6 | 0.00000535 | 0.000122 | 0.000191 | 0.000868 | 0.0452 |
| 2056 Apr | 83.4 | 0.00118 | 0.212 | 0.000625 | 15.6 | 0.0602 | 14.8 | 0.0000058 | 0.0132 | 0.0123 | 0.00575 | 0.0205 | 0.0000124 | 12.6 | 0.00000536 | 0.000122 | 0.000191 | 0.000868 | 0.0452 |
| 2056 May | 83.8 | 0.00227 | 0.212 | 0.000708 | 15.7 | 0.0604 | 14.8 | 0.00000582 | 0.0132 | 0.0123 | 0.00576 | 0.0206 | 0.0000124 | 12.6 | 0.00000536 | 0.000122 | 0.000191 | 0.000871 | 0.0453 |
| 2056 Jun | 81.9 | 0.00102 | 0.208 | 0.000466 | 15.4 | 0.0582 | 14.3 | 0.00000568 | 0.0125 | 0.0119 | 0.00564 | 0.02 | 0.0000121 | 12.3 | 0.00000518 | 0.000117 | 0.000188 | 0.00083 | 0.0445 |
| 2056 Jul | 83.2 | 0.000426 | 0.212 | 0.000614 | 15.6 | 0.0591 | 14.5 | 0.00000576 | 0.0127 | 0.0119 | 0.00572 | 0.0203 | 0.0000123 | 12.5 | 0.00000524 | 0.000119 | 0.00019 | 0.000843 | 0.045 |
| 2056 Aug | 84.8 | 0.000489 | 0.217 | 0.000672 | 16 | 0.0603 | 14.7 | 0.00000585 | 0.013 | 0.012 | 0.0058 | 0.0207 | 0.0000124 | 12.7 | 0.00000531 | 0.000121 | 0.000192 | 0.000861 | 0.0456 |
| 2056 Sep | 85.6 | 0.00069 | 0.22 | 0.000728 | 16.1 | 0.0607 | 14.7 | 0.00000588 | 0.0131 | 0.0119 | 0.00583 | 0.0209 | 0.0000125 | 12.8 | 0.00000532 | 0.000122 | 0.000193 | 0.000866 | 0.0458 |
| 2056 Oct | 84.8 | 0.00151 | 0.217 | 0.000857 | 16 | 0.06 | 14.6 | 0.00000583 | 0.0129 | 0.0118 | 0.00578 | 0.0207 | 0.0000124 | 12.7 | 0.00000527 | 0.00012 | 0.000192 | 0.000855 | 0.0454 |
| 2056 Nov | 84.6 | 0.0017 | 0.216 | 0.000873 | 15.9 | 0.06 | 14.6 | 0.00000583 | 0.0129 | 0.0118 | 0.00578 | 0.0207 | 0.0000124 | 12.7 | 0.00000527 | 0.00012 | 0.000192 | 0.000854 | 0.0454 |
| 2056 Dec | 84.6 | 0.00171 | 0.216 | 0.000873 | 15.9 | 0.06 | 14.6 | 0.00000583 | 0.0129 | 0.0118 | 0.00578 | 0.0207 | 0.0000124 | 12.7 | 0.00000527 | 0.00012 | 0.000192 | 0.000854 | 0.0454 |
| 2057 Jan | 84.6 | 0.00171 | 0.216 | 0.000874 | 15.9 | 0.06 | 14.6 | 0.00000583 | 0.0129 | 0.0118 | 0.00578 | 0.0207 | 0.0000124 | 12.7 | 0.00000527 | 0.00012 | 0.000192 | 0.000854 | 0.0454 |
| 2057 Feb | 84.6 | 0.00171 | 0.216 | 0.000874 | 15.9 | 0.06 | 14.6 | 0.00000583 | 0.0129 | 0.0118 | 0.00578 | 0.0207 | 0.0000124 | 12.7 | 0.00000527 | 0.00012 | 0.000192 | 0.000854 | 0.0454 |
| 2057 Mar | 84.6 | 0.00172 | 0.216 | 0.000874 | 15.9 | 0.06 | 14.6 | 0.00000583 | 0.0129 | 0.0118 | 0.00578 | 0.0207 | 0.0000124 | 12.7 | 0.00000528 | 0.00012 | 0.000192 | 0.000854 | 0.0454 |
| 2057 Apr | 84.7 | 0.00172 | 0.216 | 0.000875 | 16 | 0.06 | 14.6 | 0.00000583 | 0.0129 | 0.0119 | 0.00579 | 0.0207 | 0.0000124 | 12.7 | 0.00000528 | 0.00012 | 0.000192 | 0.000855 | 0.0455 |
| 2057 May | 85 | 0.00285 | 0.216 | 0.000981 | 16 | 0.0604 | 14.6 | 0.00000585 | 0.013 | 0.0118 | 0.0058 | 0.0208 | 0.0000124 | 12.7 | 0.00000528 | 0.000121 | 0.000192 | 0.00086 | 0.0455 |
| 2057 Jun | 83.6 | 0.00118 | 0.214 | 0.000464 | 15.8 | 0.0589 | 14.2 | 0.00000575 | 0.0126 | 0.0115 | 0.00571 | 0.0204 | 0.0000122 | 12.5 | 0.00000516 | 0.000118 | 0.00019 | 0.000834 | 0.0449 |
| 2057 Jul | 85 | 0.000567 | 0.219 | 0.000601 | 16.1 | 0.0598 | 14.4 | 0.00000582 | 0.0128 | 0.0115 | 0.00578 | 0.0207 | 0.0000124 | 12.7 | 0.00000521 | 0.000119 | 0.000192 | 0.000846 | 0.0454 |
| 2057 Aug | 86.7 | 0.000476 | 0.225 | 0.000696 | 16.4 | 0.0608 | 14.6 | 0.00000591 | 0.013 | 0.0116 | 0.00586 | 0.0211 | 0.0000125 | 12.9 | 0.00000527 | 0.000121 | 0.000194 | 0.00086 | 0.046 |
| 2057 Sep | 86.3 | 0.000661 | 0.224 | 0.000821 | 16.4 | 0.0604 | 14.5 | 0.00000588 | 0.0129 | 0.0115 | 0.00583 | 0.021 | 0.0000125 | 12.8 | 0.00000524 | 0.00012 | 0.000193 | 0.000853 | 0.0458 |
| 2057 Oct | 85.4 | 0.00118 | 0.22 | 0.000921 | 16.2 | 0.0597 | 14.4 | 0.00000584 | 0.0127 | 0.0114 | 0.00579 | 0.0208 | 0.0000124 | 12.7 | 0.0000052 | 0.000119 | 0.000192 | 0.000842 | 0.0455 |
| 2057 Nov | 85.3 | 0.00125 | 0.219 | 0.000925 | 16.2 | 0.0597 | 14.4 | 0.00000584 | 0.0127 | 0.0115 | 0.00579 | 0.0208 | 0.0000124 | 12.7 | 0.0000052 | 0.000119 | 0.000192 | 0.000842 | 0.0456 |
| 2057 Dec | 85.3 | 0.00126 | 0.219 | 0.000926 | 16.2 | 0.0597 | 14.4 | 0.00000584 | 0.0127 | 0.0115 | 0.0058 | 0.0208 | 0.0000124 | 12.7 | 0.0000052 | 0.000119 | 0.000192 | 0.000842 | 0.0456 |
| 2058 Jan | 85.3 | 0.00126 | 0.219 | 0.000926 | 16.2 | 0.0597 | 14.4 | 0.00000584 | 0.0127 | 0.0115 | 0.0058 | 0.0208 | 0.0000124 | 12.7 | 0.0000052 | 0.000119 | 0.000192 | 0.000842 | 0.0456 |
| 2058 Feb | 85.3 | 0.00126 | 0.219 | 0.000926 | 16.2 | 0.0597 | 14.4 | 0.00000584 | 0.0127 | 0.0115 | 0.0058 | 0.0208 | 0.0000124 | 12.7 | 0.0000052 | 0.000119 | 0.000192 | 0.000842 | 0.0456 |
| 2058 Mar | 85.3 | 0.00126 | 0.219 | 0.000926 | 16.2 | 0.0597 | 14.4 | 0.00000584 | 0.0127 | 0.0115 | 0.0058 | 0.0208 | 0.0000124 | 12.7 | 0.0000052 | 0.000119 | 0.000192 | 0.000842 | 0.0456 |
| 2058 Apr | 85.4 | 0.00126 | 0.219 | 0.000927 | 16.2 | 0.0597 | 14.4 | 0.00000584 | 0.0127 | 0.0115 | 0.0058 | 0.0208 | 0.0000124 | 12.7 | 0.00000521 | 0.000119 | 0.000193 | 0.000843 | 0.0456 |
| 2058 May | 85.5 | 0.00221 | 0.219 | 0.00101 | 16.2 | 0.0599 | 14.4 | 0.00000586 | 0.0128 | 0.0114 | 0.00581 | 0.0208 | 0.0000124 | 12.7 | 0.00000521 | 0.000119 | 0.000193 | 0.000846 | 0.0456 |
| 2058 Jun | 82 | 0.00114 | 0.208 | 0.000628 | 15.5 | 0.0604 | 13.9 | 0.00000576 | 0.0134 | 0.0109 | 0.00569 | 0.0204 | 0.0000122 | 12.2 | 0.0000051 | 0.000118 | 0.000188 | 0.000866 | 0.0443 |
| 2058 Jul | 83.2 | 0.000654 | 0.211 | 0.00075 | 15.7 | 0.0624 | 14.1 | 0.00000587 | 0.0141 | 0.011 | 0.00579 | 0.0209 | 0.0000124 | 12.4 | 0.00000519 | 0.000122 | 0.00019 | 0.000901 | 0.0448 |
| 2058 Aug | 84.9 | 0.000293 | 0.217 | 0.000811 | 16.1 | 0.0635 | 14.3 | 0.00000596 | 0.0144 | 0.011 | 0.00587 | 0.0213 | 0.0000126 | 12.6 | 0.00000525 | 0.000124 | 0.000192 | 0.000917 | 0.0454 |
| 2058 Sep | 84.4 | 0.000506 | 0.216 | 0.000664 | 16 | 0.0626 | 14.1 | 0.0000059 | 0.0141 | 0.0109 | 0.00582 | 0.0211 | 0.0000124 | 12.5 | 0.00000519 | 0.000122 | 0.000191 | 0.000902 | 0.045 |
| 2058 Oct | 83.5 | 0.000757 | 0.214 | 0.000141 | 15.8 | 0.0619 | 14 | 0.00000586 | 0.0139 | 0.0108 | 0.00578 | 0.0209 | 0.0000124 | 12.4 | 0.00000515 | 0.000121 | 0.00019 | 0.000889 | 0.0448 |
| 2058 Nov | 83.3 | 0.000956 | 0.212 | 0.000172 | 15.8 | 0.0617 | 14 | 0.00000585 | 0.0139 | 0.0109 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000515 | 0.00012 | 0.00019 | 0.000887 | 0.0448 |
| 2058 Dec | 83.3 | 0.000964 | 0.212 | 0.000173 | 15.8 | 0.0617 | 14 | 0.00000585 | 0.0139 | 0.0109 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000515 | 0.00012 | 0.00019 | 0.000887 | 0.0448 |
| 2059 Jan | 83.3 | 0.000968 | 0.212 | 0.000174 | 15.8 | 0.0617 | 14 | 0.00000585 | 0.0139 | 0.0109 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000515 | 0.00012 | 0.00019 | 0.000887 | 0.0448 |
| 2059 Feb | 83.3 | 0.000971 | 0.212 | 0.000174 | 15.8 | 0.0617 | 14 | 0.00000585 | 0.0139 | 0.0109 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000515 | 0.00012 | 0.00019 | 0.000887 | 0.0448 |
| 2059 Mar | 83.3 | 0.000972 | 0.212 | 0.000174 | 15.8 | 0.0617 | 14 | 0.00000585 | 0.0139 | 0.0109 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000515 | 0.00012 | 0.00019 | 0.000887 | 0.0448 |
| 2059 Apr | 83.3 | 0.000973 | 0.212 | 0.000175 | 15.8 | 0.0618 | 14 | 0.00000586 | 0.0139 | 0.0109 | 0.00578 | 0.0208 | 0.0000124 | 12.4 | 0.00000515 | 0.000121 | 0.00019 | 0.000888 | 0.0449 |
| 2059 May | 83.7 | 0.00179 | 0.213 | 0.00028 | 15.9 | 0.0619 | 14 | 0.00000587 | 0.0139 | 0.0108 | 0.00579 | 0.0209 | 0.0000124 | 12.4 | 0.00000516 | 0.000121 | 0.00019 | 0.000889 | 0.045 |
| 2059 Jun | 82.9 | 0.000886 | 0.212 | 0.000855 | 15.8 | 0.0602 | 13.7 | 0.00000579 | 0.0133 | 0.0106 | 0.00572 | 0.0206 | 0.0000122 | 12.3 | 0.00000505 | 0.000117 | 0.000189 | 0.000857 | 0.0445 |
| 2059 Jul | 84.8 | 0.00028 | 0.219 | 0.000948 | 16.1 | 0.0615 | 14 | 0.00000589 | 0.0136 | 0.0107 | 0.00581 | 0.021 | 0.0000124 | 12.5 | 0.00000512 | 0.000119 | 0.000191 | 0.000874 | 0.0452 |
| 2059 Aug | 86.3 | 0.000581 | 0.224 | 0.000436 | 16.4 | 0.0625 | 14.1 | 0.00000596 | 0.0138 | 0.0107 | 0.00588 | 0.0214 | 0.0000125 | 12.7 | 0.00000517 | 0.000121 | 0.000193 | 0.000889 | 0.0457 |
| 2059 Sep | 85.9 | 0.000511 | 0.224 | 0.000192 | 16.4 | 0.0621 | 14 | 0.00000593 | 0.0137 | 0.0106 | 0.00585 | 0.0213 | 0.0000125 | 12.7 | 0.00000514 | 0.00012 | 0.000192 | 0.000883 | 0.0455 |
| 2059 Oct | 84.2 | 0.00171 | 0.216 | 0.000494 | 16 | 0.0607 | 13.8 | 0.00000585 | 0.0133 | 0.0106 | 0.00578 | 0.0208 | 0.0000123 | 12.5 | 0.00000507 | 0.000118 | 0.000191 | 0.000859 | 0.045 |
| 2059 Nov | 84.1 | 0.00187 | 0.215 | 0.000515 | 16 | 0.0606 | 13.8 | 0.00000585 | 0.0133 | 0.0106 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000507 | 0.000118 | 0.000191 | 0.000859 | 0.0451 |
| 2059 Dec | 84.1 | 0.00187 | 0.215 | 0.000515 | 16 | 0.0606 | 13.8 | 0.00000585 | 0.0133 | 0.0106 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000507 | 0.000118 | 0.000191 | 0.000859 | 0.0451 |
| 2060 Jan | 84.1 | 0.00188 | 0.215 | 0.000516 | 16 | 0.0606 | 13.8 | 0.00000585 | 0.0133 | 0.0106 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000507 | 0.000118 | 0.000191 | 0.000859 | 0.0451 |
| 2060 Feb | 84.1 | 0.00188 | 0.215 | 0.000516 | 16 | 0.0606 | 13.8 | 0.00000585 | 0.0133 | 0.0106 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000507 | 0.000118 | 0.000191 | 0.000859 | 0.0451 |
| 2060 Mar | 84.1 | 0.00188 | 0.215 | 0.000516 | 16 | 0.0606 | 13.8 | 0.00000585 | 0.0133 | 0.0106 | 0.00578 | 0.0208 | 0.0000123 | 12.4 | 0.00000507 | 0.000118 | 0.000191 | 0.000859 | 0.0451 |
| 2060 Apr | 84.2 | 0.00188 | 0.215 | 0.000517 | 16 | 0.0607 | 13.8 | 0.00000585 | 0.0133 | 0.0106 | 0.00579 | 0.0208 | 0.0000123 | 12.5 | 0.00000508 | 0.000118 | 0.000191 | 0.000859 | 0.0451 |
| 2060 May | 83.6 | 0.00473 | 0.211 | 0.000815 | 15.9 | 0.0598 | 13.6 | 0.00000581 | 0.013 | 0.0104 | 0.00574 | 0.0206 | 0.0000122 | 12.4 | 0.00000502 | 0.000116 | 0.00019 | 0.000844 | 0.0449 |
| 2060 Jun | 82.2 | 0.000959 | 0.21 | 0.000222 | 15.7 | 0.0586 | 13.4 | 0.00000573 | 0.0126 | 0.0103 | 0.00567 | 0.0202 | 0.0000121 | 12.2 | 0.00000493 | 0.000114 | 0.000188 | 0.000823 | 0.0443 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 84 | 0.000438 | 0.216 | 0.000314 | 16 | 0.0601 | 13.6 | 0.00000583 | 0.013 | 0.0103 | 0.00577 | 0.0207 | 0.0000123 | 12.4 | 0.00000501 | 0.000116 | 0.000191 | 0.000846 | 0.045 |
| 2060 Aug | 84 | 0.00076 | 0.216 | 0.00053 | 16.1 | 0.0601 | 13.5 | 0.00000582 | 0.0131 | 0.0102 | 0.00576 | 0.0207 | 0.0000122 | 12.4 | 0.00000499 | 0.000116 | 0.00019 | 0.000846 | 0.0449 |
| 2060 Sep | 82.1 | 0.00059 | 0.209 | 0.000816 | 15.7 | 0.0589 | 13.3 | 0.00000574 | 0.0128 | 0.0101 | 0.00568 | 0.0202 | 0.0000121 | 12.1 | 0.00000491 | 0.000114 | 0.000188 | 0.000828 | 0.0443 |
| 2060 Oct | 81.2 | 0.000983 | 0.206 | 0.000929 | 15.5 | 0.0583 | 13.2 | 0.00000571 | 0.0126 | 0.0101 | 0.00565 | 0.02 | 0.000012 | 12 | 0.00000488 | 0.000113 | 0.000187 | 0.00082 | 0.0441 |
| 2060 Nov | 81.1 | 0.00111 | 0.205 | 0.000936 | 15.5 | 0.0583 | 13.1 | 0.00000571 | 0.0126 | 0.0101 | 0.00565 | 0.02 | 0.000012 | 12 | 0.00000488 | 0.000113 | 0.000188 | 0.00082 | 0.0442 |
| 2060 Dec | 81.1 | 0.00111 | 0.205 | 0.000936 | 15.5 | 0.0583 | 13.1 | 0.00000571 | 0.0126 | 0.0101 | 0.00565 | 0.02 | 0.000012 | 12 | 0.00000488 | 0.000113 | 0.000188 | 0.00082 | 0.0442 |
| 2061 Jan | 81.1 | 0.00112 | 0.205 | 0.000937 | 15.5 | 0.0583 | 13.1 | 0.00000571 | 0.0126 | 0.0101 | 0.00565 | 0.02 | 0.000012 | 12 | 0.00000488 | 0.000113 | 0.000188 | 0.00082 | 0.0442 |
| 2061 Feb | 81.1 | 0.00112 | 0.205 | 0.000937 | 15.5 | 0.0583 | 13.1 | 0.00000571 | 0.0126 | 0.0101 | 0.00565 | 0.02 | 0.000012 | 12 | 0.00000488 | 0.000113 | 0.000188 | 0.00082 | 0.0442 |
| 2061 Mar | 81.1 | 0.00112 | 0.205 | 0.000937 | 15.5 | 0.0583 | 13.1 | 0.00000571 | 0.0126 | 0.0101 | 0.00565 | 0.02 | 0.000012 | 12 | 0.00000488 | 0.000113 | 0.000188 | 0.00082 | 0.0442 |
| 2061 Apr | 81.2 | 0.00112 | 0.205 | 0.000938 | 15.5 | 0.0584 | 13.2 | 0.00000572 | 0.0126 | 0.0101 | 0.00566 | 0.02 | 0.000012 | 12 | 0.00000489 | 0.000113 | 0.000188 | 0.000821 | 0.0442 |
| 2061 May | 81.6 | 0.00223 | 0.206 | 0.00103 | 15.6 | 0.059 | 13.2 | 0.00000574 | 0.0129 | 0.0101 | 0.00568 | 0.0202 | 0.0000121 | 12.1 | 0.0000049 | 0.000114 | 0.000188 | 0.000832 | 0.0443 |
| 2061 Jun | 78.5 | 0.00122 | 0.196 | 0.000718 | 15 | 0.0565 | 12.6 | 0.00000557 | 0.0122 | 0.00966 | 0.00551 | 0.0194 | 0.0000117 | 11.6 | 0.00000472 | 0.000109 | 0.000184 | 0.000791 | 0.0432 |
| 2061 Jul | 79.5 | 0.000629 | 0.2 | 0.000932 | 15.2 | 0.0572 | 12.7 | 0.00000563 | 0.0124 | 0.00962 | 0.00557 | 0.0196 | 0.0000118 | 11.7 | 0.00000475 | 0.00011 | 0.000185 | 0.000801 | 0.0435 |
| 2061 Aug | 80.7 | 0.000393 | 0.205 | 0.000371 | 15.5 | 0.0583 | 12.9 | 0.0000057 | 0.0127 | 0.00966 | 0.00564 | 0.02 | 0.0000119 | 11.9 | 0.0000048 | 0.000111 | 0.000187 | 0.000817 | 0.0439 |
| 2061 Sep | 80.8 | 0.000437 | 0.206 | 0.000141 | 15.5 | 0.0584 | 12.9 | 0.00000571 | 0.0127 | 0.00962 | 0.00564 | 0.02 | 0.000012 | 11.9 | 0.0000048 | 0.000111 | 0.000187 | 0.000819 | 0.044 |
| 2061 Oct | 80.1 | 0.00187 | 0.202 | 0.000347 | 15.3 | 0.0576 | 12.7 | 0.00000566 | 0.0125 | 0.00957 | 0.0056 | 0.0198 | 0.0000119 | 11.8 | 0.00000476 | 0.00011 | 0.000186 | 0.000806 | 0.0437 |
| 2061 Nov | 79.9 | 0.0021 | 0.201 | 0.000381 | 15.3 | 0.0576 | 12.7 | 0.00000566 | 0.0124 | 0.00958 | 0.0056 | 0.0198 | 0.0000119 | 11.8 | 0.00000476 | 0.00011 | 0.000186 | 0.000805 | 0.0437 |
| 2061 Dec | 79.9 | 0.00211 | 0.201 | 0.000383 | 15.3 | 0.0576 | 12.7 | 0.00000566 | 0.0124 | 0.00959 | 0.0056 | 0.0198 | 0.0000119 | 11.8 | 0.00000476 | 0.00011 | 0.000186 | 0.000805 | 0.0437 |
| 2062 Jan | 79.9 | 0.00211 | 0.201 | 0.000383 | 15.3 | 0.0576 | 12.7 | 0.00000566 | 0.0124 | 0.00959 | 0.0056 | 0.0198 | 0.0000119 | 11.8 | 0.00000476 | 0.00011 | 0.000186 | 0.000805 | 0.0437 |
| 2062 Feb | 79.9 | 0.00211 | 0.201 | 0.000383 | 15.3 | 0.0576 | 12.7 | 0.00000566 | 0.0124 | 0.00959 | 0.0056 | 0.0198 | 0.0000119 | 11.8 | 0.00000476 | 0.00011 | 0.000186 | 0.000805 | 0.0437 |
| 2062 Mar | 79.9 | 0.00212 | 0.201 | 0.000384 | 15.3 | 0.0576 | 12.7 | 0.00000566 | 0.0124 | 0.00959 | 0.0056 | 0.0198 | 0.0000119 | 11.8 | 0.00000476 | 0.00011 | 0.000186 | 0.000805 | 0.0438 |
| 2062 Apr | 80 | 0.00212 | 0.201 | 0.000384 | 15.3 | 0.0576 | 12.7 | 0.00000567 | 0.0125 | 0.00959 | 0.00561 | 0.0198 | 0.0000119 | 11.8 | 0.00000477 | 0.00011 | 0.000186 | 0.000806 | 0.0438 |
| 2062 May | 80.2 | 0.00212 | 0.201 | 0.000385 | 15.4 | 0.0578 | 12.8 | 0.00000568 | 0.0125 | 0.00962 | 0.00562 | 0.0198 | 0.0000119 | 11.8 | 0.00000478 | 0.00011 | 0.000187 | 0.000808 | 0.0439 |
| 2062 Jun | 78.9 | 0.000954 | 0.198 | 0.000456 | 15.1 | 0.0574 | 12.5 | 0.00000562 | 0.0125 | 0.00933 | 0.00555 | 0.0196 | 0.0000118 | 11.6 | 0.0000047 | 0.000109 | 0.000184 | 0.000805 | 0.0433 |
| 2062 Jul | 77.9 | 0.000596 | 0.194 | 0.000613 | 14.9 | 0.059 | 12.4 | 0.00000565 | 0.0134 | 0.00911 | 0.00556 | 0.0197 | 0.0000118 | 11.5 | 0.00000471 | 0.000111 | 0.000183 | 0.00084 | 0.0429 |
| 2062 Aug | 79.1 | 0.000581 | 0.198 | 0.000723 | 15.2 | 0.0597 | 12.5 | 0.0000057 | 0.0135 | 0.00911 | 0.00561 | 0.02 | 0.0000119 | 11.6 | 0.00000474 | 0.000112 | 0.000185 | 0.000848 | 0.0433 |
| 2062 Sep | 78.5 | 0.000623 | 0.197 | 0.000889 | 15.1 | 0.059 | 12.4 | 0.00000566 | 0.0133 | 0.00904 | 0.00558 | 0.0198 | 0.0000118 | 11.6 | 0.0000047 | 0.000111 | 0.000184 | 0.000837 | 0.0431 |
| 2062 Oct | 76.7 | 0.00286 | 0.188 | 0.00109 | 14.7 | 0.0571 | 12.1 | 0.00000556 | 0.0127 | 0.00895 | 0.00549 | 0.0193 | 0.0000116 | 11.3 | 0.00000461 | 0.000108 | 0.000182 | 0.000804 | 0.0426 |
| 2062 Nov | 76.6 | 0.00312 | 0.187 | 0.0011 | 14.7 | 0.0571 | 12.1 | 0.00000556 | 0.0127 | 0.00897 | 0.00549 | 0.0192 | 0.0000116 | 11.3 | 0.00000461 | 0.000108 | 0.000182 | 0.000804 | 0.0426 |
| 2062 Dec | 76.5 | 0.00312 | 0.187 | 0.0011 | 14.7 | 0.0571 | 12.1 | 0.00000556 | 0.0127 | 0.00897 | 0.00549 | 0.0192 | 0.0000116 | 11.3 | 0.00000461 | 0.000108 | 0.000182 | 0.000804 | 0.0426 |
| 2063 Jan | 76.5 | 0.00312 | 0.187 | 0.0011 | 14.7 | 0.0571 | 12.1 | 0.00000556 | 0.0127 | 0.00897 | 0.00549 | 0.0192 | 0.0000116 | 11.3 | 0.00000461 | 0.000108 | 0.000182 | 0.000804 | 0.0426 |
| 2063 Feb | 76.5 | 0.00312 | 0.187 | 0.0011 | 14.7 | 0.0571 | 12.1 | 0.00000556 | 0.0127 | 0.00897 | 0.00549 | 0.0192 | 0.0000116 | 11.3 | 0.00000461 | 0.000108 | 0.000182 | 0.000804 | 0.0426 |
| 2063 Mar | 76.5 | 0.00313 | 0.187 | 0.0011 | 14.7 | 0.0571 | 12.1 | 0.00000557 | 0.0127 | 0.00897 | 0.00549 | 0.0192 | 0.0000116 | 11.3 | 0.00000461 | 0.000108 | 0.000182 | 0.000804 | 0.0426 |
| 2063 Apr | 76.6 | 0.00313 | 0.187 | 0.0011 | 14.7 | 0.0571 | 12.1 | 0.00000557 | 0.0127 | 0.00897 | 0.00549 | 0.0192 | 0.0000116 | 11.3 | 0.00000462 | 0.000108 | 0.000182 | 0.000805 | 0.0426 |
| 2063 May | 77 | 0.00354 | 0.188 | 0.00114 | 14.8 | 0.0578 | 12.2 | 0.0000056 | 0.0129 | 0.00895 | 0.00552 | 0.0194 | 0.0000117 | 11.4 | 0.00000464 | 0.000109 | 0.000182 | 0.000817 | 0.0428 |
| 2063 Jun | 76.1 | 0.00163 | 0.189 | 0.000443 | 14.7 | 0.0557 | 11.8 | 0.00000549 | 0.0122 | 0.00862 | 0.00542 | 0.019 | 0.0000114 | 11.2 | 0.0000045 | 0.000105 | 0.00018 | 0.000776 | 0.0423 |
| 2063 Jul | 76.6 | 0.000399 | 0.191 | 0.00026 | 14.8 | 0.0559 | 11.8 | 0.00000553 | 0.0122 | 0.0086 | 0.00546 | 0.0191 | 0.0000115 | 11.2 | 0.00000451 | 0.000105 | 0.000182 | 0.000777 | 0.0425 |
| 2063 Aug | 78.4 | 0.000724 | 0.197 | 0.000321 | 15.1 | 0.0572 | 12 | 0.00000563 | 0.0125 | 0.00867 | 0.00556 | 0.0195 | 0.0000117 | 11.5 | 0.00000459 | 0.000107 | 0.000184 | 0.000797 | 0.0432 |
| 2063 Sep | 79.3 | 0.000374 | 0.2 | 0.000372 | 15.3 | 0.0578 | 12.1 | 0.00000567 | 0.0126 | 0.00867 | 0.00559 | 0.0198 | 0.0000118 | 11.6 | 0.00000461 | 0.000108 | 0.000185 | 0.000804 | 0.0434 |
| 2063 Oct | 79.4 | 0.000839 | 0.2 | 0.000425 | 15.3 | 0.0578 | 12.1 | 0.00000567 | 0.0126 | 0.00865 | 0.00559 | 0.0198 | 0.0000118 | 11.6 | 0.00000461 | 0.000108 | 0.000185 | 0.000804 | 0.0434 |
| 2063 Nov | 79.4 | 0.000886 | 0.201 | 0.000431 | 15.3 | 0.0578 | 12.1 | 0.00000567 | 0.0126 | 0.00866 | 0.0056 | 0.0198 | 0.0000118 | 11.6 | 0.00000461 | 0.000108 | 0.000185 | 0.000804 | 0.0434 |
| 2063 Dec | 79.4 | 0.000892 | 0.201 | 0.000432 | 15.3 | 0.0578 | 12.1 | 0.00000567 | 0.0126 | 0.00866 | 0.0056 | 0.0198 | 0.0000118 | 11.6 | 0.00000461 | 0.000108 | 0.000185 | 0.000804 | 0.0434 |
| 2064 Jan | 79.4 | 0.000895 | 0.201 | 0.000432 | 15.3 | 0.0578 | 12.1 | 0.00000567 | 0.0126 | 0.00866 | 0.0056 | 0.0198 | 0.0000118 | 11.6 | 0.00000461 | 0.000108 | 0.000185 | 0.000804 | 0.0434 |
| 2064 Feb | 79.4 | 0.000897 | 0.201 | 0.000432 | 15.3 | 0.0578 | 12.1 | 0.00000567 | 0.0126 | 0.00866 | 0.0056 | 0.0198 | 0.0000118 | 11.6 | 0.00000461 | 0.000108 | 0.000185 | 0.000805 | 0.0434 |
| 2064 Mar | 79.4 | 0.000898 | 0.201 | 0.000432 | 15.3 | 0.0579 | 12.1 | 0.00000567 | 0.0126 | 0.00866 | 0.0056 | 0.0198 | 0.0000118 | 11.6 | 0.00000461 | 0.000108 | 0.000185 | 0.000805 | 0.0434 |
| 2064 Apr | 79.5 | 0.000899 | 0.201 | 0.000432 | 15.3 | 0.0579 | 12.1 | 0.00000568 | 0.0127 | 0.00866 | 0.0056 | 0.0198 | 0.0000118 | 11.6 | 0.00000462 | 0.000108 | 0.000185 | 0.000806 | 0.0435 |
| 2064 May | 79.2 | 0.00232 | 0.199 | 0.000568 | 15.3 | 0.0578 | 12.1 | 0.00000566 | 0.0127 | 0.00859 | 0.00559 | 0.0198 | 0.0000118 | 11.6 | 0.0000046 | 0.000108 | 0.000185 | 0.000805 | 0.0433 |
| 2064 Jun | 77.9 | 0.000824 | 0.196 | 0.000187 | 15 | 0.0589 | 11.9 | 0.00000564 | 0.0133 | 0.00831 | 0.00555 | 0.0198 | 0.0000117 | 11.4 | 0.00000457 | 0.000109 | 0.000182 | 0.000832 | 0.0427 |
| 2064 Jul | 79.8 | 0.000738 | 0.202 | 0.000296 | 15.4 | 0.0603 | 12.1 | 0.00000574 | 0.0137 | 0.00834 | 0.00564 | 0.0203 | 0.0000119 | 11.6 | 0.00000464 | 0.000111 | 0.000185 | 0.000853 | 0.0433 |
| 2064 Aug | 80.9 | 0.000561 | 0.206 | 0.000421 | 15.6 | 0.0609 | 12.2 | 0.00000579 | 0.0138 | 0.00834 | 0.00569 | 0.0205 | 0.000012 | 11.8 | 0.00000467 | 0.000112 | 0.000186 | 0.00086 | 0.0436 |
| 2064 Sep | 80.5 | 0.000472 | 0.205 | 0.000587 | 15.6 | 0.0603 | 12.2 | 0.00000575 | 0.0136 | 0.00829 | 0.00566 | 0.0203 | 0.0000119 | 11.7 | 0.00000463 | 0.000111 | 0.000185 | 0.000848 | 0.0434 |
| 2064 Oct | 80.3 | 0.000331 | 0.204 | 0.000642 | 15.5 | 0.0601 | 12.1 | 0.00000575 | 0.0136 | 0.0083 | 0.00566 | 0.0203 | 0.0000119 | 11.7 | 0.00000463 | 0.000111 | 0.000185 | 0.000846 | 0.0435 |
| 2064 Nov | 80.3 | 0.000341 | 0.204 | 0.000643 | 15.5 | 0.0602 | 12.1 | 0.00000576 | 0.0136 | 0.00831 | 0.00566 | 0.0203 | 0.0000119 | 11.7 | 0.00000463 | 0.000111 | 0.000185 | 0.000847 | 0.0435 |
| 2064 Dec | 80.3 | 0.000346 | 0.204 | 0.000644 | 15.5 | 0.0602 | 12.1 | 0.00000576 | 0.0136 | 0.00831 | 0.00566 | 0.0203 | 0.0000119 | 11.7 | 0.00000464 | 0.000111 | 0.000185 | 0.000848 | 0.0435 |
| 2065 Jan | 80.3 | 0.000349 | 0.204 | 0.000644 | 15.5 | 0.0603 | 12.1 | 0.00000576 | 0.0136 | 0.00831 | 0.00566 | 0.0203 | 0.0000119 | 11.7 | 0.00000464 | 0.000111 | 0.000185 | 0.000849 | 0.0435 |
| 2065 Feb | 80.3 | 0.00035 | 0.204 | 0.000644 | 15.5 | 0.0604 | 12.1 | 0.00000576 | 0.0137 | 0.00831 | 0.00566 | 0.0203 | 0.0000119 | 11.7 | 0.00000464 | 0.000111 | 0.000185 | 0.000851 | 0.0435 |
| 2065 Mar | 80.3 | 0.000351 | 0.204 | 0.000644 | 15.5 | 0.0605 | 12.2 | 0.00000577 | 0.0137 | 0.00831 | 0.00567 | 0.0204 | 0.0000119 | 11.7 | 0.00000464 | 0.000111 | 0.000185 | 0.000853 | 0.0435 |
| 2065 Apr | 80.4 | 0.000351 | 0.204 | 0.000644 | 15.5 | 0.0606 | 12.2 | 0.00000578 | 0.0138 | 0.00831 | 0.00567 | 0.0204 | 0.000012 | 11.7 | 0.00000465 | 0.000112 | 0.000186 | 0.000856 | 0.0435 |
| 2065 May | 80.9 | 0.00139 | 0.205 | 0.000746 | 15.6 | 0.0612 | 12.2 | 0.0000058 | 0.014 | 0.00826 | 0.00569 | 0.0206 | 0.000012 | 11.8 | 0.00000466 | 0.000113 | 0.000186 | 0.000866 | 0.0436 |
| 2065 Jun | 78.1 | 0.00107 | 0.197 | 0.000606 | 15.1 | 0.0575 | 11.7 | 0.0000056 | 0.0127 | 0.00805 | 0.00552 | 0.0196 | 0.0000116 | 11.4 | 0.00000448 | 0.000106 | 0.000182 | 0.0008 | 0.0427 |
| 2065 Jul | 79.5 | 0.000335 | 0.202 | 0.000764 | 15.4 | 0.0583 | 11.8 | 0.00000568 | 0.0129 | 0.00808 | 0.00559 | 0.0199 | 0.0000118 | 11.6 | 0.00000452 | 0.000107 | 0.000184 | 0.00081 | 0.0432 |
| 2065 Aug | 81 | 0.000529 | 0.206 | 0.000836 | 15.7 | 0.0593 | 12 | 0.00000575 | 0.0131 | 0.00811 | 0.00567 | 0.0203 | 0.0000119 | 11.8 | 0.00000458 | 0.000109 | 0.000186 | 0.000824 | 0.0437 |
| 2065 Sep | 81 | 0.000473 | 0.207 | 0.000918 | 15.7 | 0.0593 | 12 | 0.00000575 | 0.0131 | 0.00808 | 0.00566 | 0.0203 | 0.0000119 | 11.8 | 0.00000457 | 0.000109 | 0.000186 | 0.000823 | 0.0436 |
| 2065 Oct | 79.3 | 0.0022 | 0.199 | 0.00106 | 15.4 | 0.0581 | 11.7 | 0.00000566 | 0.0128 | 0.00799 | 0.00558 | 0.0199 | 0.0000117 | 11.5 | 0.0000045 | 0.000107 | 0.000184 | 0.000806 | 0.0431 |
| 2065 Nov | 78.9 | 0.00257 | 0.197 | 0.00108 | 15.3 | 0.058 | 11.7 | 0.00000566 | 0.0128 | 0.008 | 0.00557 | 0.0198 | 0.0000117 | 11.5 | 0.0000045 | 0.000106 | 0.000184 | 0.000805 | 0.043 |

**Appendix D14. Kangislulik Lake**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 78.8 | 0.00257 | 0.197 | 0.00108 | 15.3 | 0.0582 | 11.7 | 0.00000566 | 0.0129 | 0.008 | 0.00558 | 0.0198 | 0.0000117 | 11.5 | 0.00000451 | 0.000107 | 0.000184 | 0.00081 | 0.043 |
| 2066 Jan | 78.8 | 0.00257 | 0.196 | 0.00107 | 15.3 | 0.0584 | 11.7 | 0.00000567 | 0.013 | 0.008 | 0.00558 | 0.0198 | 0.0000117 | 11.5 | 0.00000451 | 0.000107 | 0.000184 | 0.000815 | 0.043 |
| 2066 Feb | 78.7 | 0.00257 | 0.196 | 0.00107 | 15.3 | 0.0586 | 11.7 | 0.00000567 | 0.0131 | 0.00799 | 0.00558 | 0.0199 | 0.0000117 | 11.5 | 0.00000452 | 0.000107 | 0.000184 | 0.000818 | 0.043 |
| 2066 Mar | 78.7 | 0.00257 | 0.196 | 0.00107 | 15.3 | 0.0588 | 11.7 | 0.00000568 | 0.0132 | 0.00799 | 0.00559 | 0.0199 | 0.0000117 | 11.5 | 0.00000452 | 0.000108 | 0.000184 | 0.000822 | 0.043 |
| 2066 Apr | 78.7 | 0.00257 | 0.196 | 0.00107 | 15.3 | 0.0589 | 11.8 | 0.00000568 | 0.0132 | 0.00799 | 0.00559 | 0.0199 | 0.0000118 | 11.5 | 0.00000453 | 0.000108 | 0.000184 | 0.000825 | 0.043 |
| 2066 May | 79 | 0.00306 | 0.197 | 0.00111 | 15.3 | 0.0592 | 11.8 | 0.0000057 | 0.0133 | 0.00798 | 0.0056 | 0.02 | 0.0000118 | 11.5 | 0.00000454 | 0.000108 | 0.000184 | 0.00083 | 0.0431 |
| 2066 Jun | 77.4 | 0.00117 | 0.193 | 0.000629 | 15 | 0.0575 | 11.4 | 0.00000559 | 0.0128 | 0.00776 | 0.0055 | 0.0195 | 0.0000115 | 11.3 | 0.00000442 | 0.000105 | 0.000181 | 0.0008 | 0.0424 |
| 2066 Jul | 80.1 | 0.000535 | 0.203 | 0.000764 | 15.6 | 0.0593 | 11.8 | 0.00000574 | 0.0132 | 0.00786 | 0.00565 | 0.0202 | 0.0000119 | 11.6 | 0.00000453 | 0.000108 | 0.000186 | 0.000824 | 0.0435 |
| 2066 Aug | 81.5 | 0.000657 | 0.208 | 0.000863 | 15.9 | 0.0601 | 11.9 | 0.0000058 | 0.0134 | 0.00784 | 0.0057 | 0.0205 | 0.000012 | 11.8 | 0.00000456 | 0.000109 | 0.000187 | 0.000835 | 0.0438 |
| 2066 Sep | 81.5 | 0.000664 | 0.208 | 0.000719 | 15.9 | 0.0604 | 11.9 | 0.0000058 | 0.0135 | 0.0078 | 0.0057 | 0.0206 | 0.000012 | 11.8 | 0.00000456 | 0.00011 | 0.000186 | 0.000841 | 0.0437 |
| 2066 Oct | 80.4 | 0.00127 | 0.205 | 0.000136 | 15.7 | 0.0595 | 11.8 | 0.00000574 | 0.0133 | 0.00775 | 0.00565 | 0.0203 | 0.0000119 | 11.6 | 0.00000452 | 0.000108 | 0.000185 | 0.000828 | 0.0434 |
| 2066 Nov | 80 | 0.00179 | 0.202 | 0.000219 | 15.6 | 0.0593 | 11.7 | 0.00000573 | 0.0132 | 0.00775 | 0.00563 | 0.0202 | 0.0000118 | 11.6 | 0.00000451 | 0.000108 | 0.000185 | 0.000824 | 0.0433 |
| 2066 Dec | 79.9 | 0.00179 | 0.202 | 0.000221 | 15.5 | 0.0593 | 11.7 | 0.00000573 | 0.0133 | 0.00775 | 0.00564 | 0.0202 | 0.0000118 | 11.6 | 0.00000451 | 0.000108 | 0.000185 | 0.000826 | 0.0433 |
| 2067 Jan | 79.9 | 0.0018 | 0.202 | 0.000222 | 15.5 | 0.0595 | 11.7 | 0.00000573 | 0.0133 | 0.00775 | 0.00564 | 0.0202 | 0.0000118 | 11.6 | 0.00000451 | 0.000108 | 0.000185 | 0.000828 | 0.0433 |
| 2067 Feb | 79.9 | 0.0018 | 0.202 | 0.000222 | 15.5 | 0.0596 | 11.7 | 0.00000574 | 0.0134 | 0.00775 | 0.00564 | 0.0202 | 0.0000118 | 11.6 | 0.00000452 | 0.000108 | 0.000185 | 0.000832 | 0.0433 |
| 2067 Mar | 79.8 | 0.0018 | 0.202 | 0.000222 | 15.5 | 0.0598 | 11.7 | 0.00000574 | 0.0135 | 0.00774 | 0.00564 | 0.0202 | 0.0000118 | 11.6 | 0.00000452 | 0.000109 | 0.000185 | 0.000835 | 0.0433 |
| 2067 Apr | 79.8 | 0.0018 | 0.202 | 0.000222 | 15.5 | 0.06 | 11.7 | 0.00000575 | 0.0136 | 0.00774 | 0.00565 | 0.0202 | 0.0000119 | 11.6 | 0.00000453 | 0.000109 | 0.000185 | 0.000839 | 0.0433 |
| 2067 May | 80.4 | 0.00312 | 0.202 | 0.000396 | 15.6 | 0.0607 | 11.8 | 0.00000577 | 0.0138 | 0.00768 | 0.00567 | 0.0204 | 0.0000119 | 11.6 | 0.00000454 | 0.00011 | 0.000185 | 0.000852 | 0.0433 |
| 2067 Jun | 78.2 | 0.00095 | 0.198 | 0.00066 | 15.2 | 0.0578 | 11.4 | 0.00000562 | 0.0128 | 0.00753 | 0.00553 | 0.0197 | 0.0000116 | 11.3 | 0.0000044 | 0.000105 | 0.000182 | 0.0008 | 0.0426 |
| 2067 Jul | 80.3 | 0.000414 | 0.205 | 0.0000755 | 15.7 | 0.059 | 11.6 | 0.00000574 | 0.0131 | 0.00762 | 0.00565 | 0.0202 | 0.0000118 | 11.6 | 0.00000448 | 0.000107 | 0.000186 | 0.000816 | 0.0434 |
| 2067 Aug | 80.5 | 0.00043 | 0.207 | 0.000395 | 15.7 | 0.0592 | 11.6 | 0.00000574 | 0.0131 | 0.00753 | 0.00564 | 0.0202 | 0.0000118 | 11.6 | 0.00000447 | 0.000107 | 0.000185 | 0.000818 | 0.0434 |
| 2067 Sep | 80.8 | 0.000594 | 0.207 | 0.000473 | 15.8 | 0.0596 | 11.6 | 0.00000576 | 0.0133 | 0.00754 | 0.00567 | 0.0204 | 0.0000119 | 11.7 | 0.00000449 | 0.000108 | 0.000186 | 0.000827 | 0.0435 |
| 2067 Oct | 80.2 | 0.00066 | 0.205 | 0.000552 | 15.6 | 0.0593 | 11.6 | 0.00000574 | 0.0132 | 0.00752 | 0.00564 | 0.0202 | 0.0000118 | 11.6 | 0.00000447 | 0.000107 | 0.000185 | 0.000822 | 0.0434 |
| 2067 Nov | 80.1 | 0.000782 | 0.204 | 0.000564 | 15.6 | 0.0594 | 11.6 | 0.00000574 | 0.0133 | 0.00752 | 0.00565 | 0.0202 | 0.0000118 | 11.6 | 0.00000448 | 0.000107 | 0.000185 | 0.000825 | 0.0433 |
| 2067 Dec | 80.1 | 0.000789 | 0.204 | 0.000565 | 15.6 | 0.0596 | 11.6 | 0.00000575 | 0.0134 | 0.00752 | 0.00565 | 0.0202 | 0.0000118 | 11.6 | 0.00000448 | 0.000108 | 0.000185 | 0.000829 | 0.0433 |
| 2068 Jan | 80 | 0.000792 | 0.204 | 0.000565 | 15.6 | 0.0597 | 11.6 | 0.00000575 | 0.0134 | 0.00752 | 0.00565 | 0.0203 | 0.0000118 | 11.6 | 0.00000448 | 0.000108 | 0.000185 | 0.000832 | 0.0433 |
| 2068 Feb | 80 | 0.000794 | 0.203 | 0.000565 | 15.6 | 0.0599 | 11.6 | 0.00000575 | 0.0135 | 0.00751 | 0.00565 | 0.0203 | 0.0000118 | 11.6 | 0.00000449 | 0.000108 | 0.000185 | 0.000834 | 0.0433 |
| 2068 Mar | 80 | 0.000795 | 0.203 | 0.000565 | 15.6 | 0.06 | 11.6 | 0.00000576 | 0.0136 | 0.00751 | 0.00566 | 0.0203 | 0.0000119 | 11.6 | 0.00000449 | 0.000108 | 0.000185 | 0.000837 | 0.0433 |
| 2068 Apr | 80.1 | 0.000796 | 0.204 | 0.000566 | 15.6 | 0.0602 | 11.6 | 0.00000577 | 0.0136 | 0.00752 | 0.00567 | 0.0203 | 0.0000119 | 11.6 | 0.0000045 | 0.000109 | 0.000185 | 0.000841 | 0.0434 |
| 2068 May | 80.1 | 0.00234 | 0.202 | 0.000697 | 15.6 | 0.0602 | 11.6 | 0.00000576 | 0.0136 | 0.00747 | 0.00566 | 0.0203 | 0.0000119 | 11.6 | 0.00000449 | 0.000109 | 0.000185 | 0.000841 | 0.0433 |
| 2068 Jun | 76.2 | 0.00098 | 0.19 | 0.000467 | 14.9 | 0.056 | 11 | 0.00000552 | 0.0123 | 0.00724 | 0.00544 | 0.0191 | 0.0000114 | 11 | 0.00000427 | 0.000101 | 0.00018 | 0.000771 | 0.042 |
| 2068 Jul | 78 | 0.000714 | 0.196 | 0.000595 | 15.2 | 0.0573 | 11.2 | 0.00000563 | 0.0126 | 0.0073 | 0.00555 | 0.0196 | 0.0000116 | 11.3 | 0.00000435 | 0.000103 | 0.000183 | 0.000788 | 0.0427 |
| 2068 Aug | 80 | 0.00049 | 0.203 | 0.000664 | 15.6 | 0.0587 | 11.4 | 0.00000574 | 0.0129 | 0.00736 | 0.00565 | 0.0201 | 0.0000118 | 11.5 | 0.00000442 | 0.000106 | 0.000186 | 0.000807 | 0.0434 |
| 2068 Sep | 80.5 | 0.000537 | 0.205 | 0.000757 | 15.7 | 0.059 | 11.4 | 0.00000574 | 0.013 | 0.0073 | 0.00565 | 0.0202 | 0.0000118 | 11.6 | 0.00000443 | 0.000106 | 0.000186 | 0.000812 | 0.0434 |
| 2068 Oct | 80.6 | 0.000506 | 0.205 | 0.000779 | 15.8 | 0.0592 | 11.5 | 0.00000576 | 0.0131 | 0.00731 | 0.00566 | 0.0203 | 0.0000118 | 11.6 | 0.00000444 | 0.000106 | 0.000186 | 0.000817 | 0.0435 |
| 2068 Nov | 80.7 | 0.000514 | 0.206 | 0.00078 | 15.8 | 0.0594 | 11.5 | 0.00000577 | 0.0132 | 0.00731 | 0.00567 | 0.0203 | 0.0000119 | 11.6 | 0.00000445 | 0.000107 | 0.000186 | 0.00082 | 0.0435 |
| 2068 Dec | 80.7 | 0.000518 | 0.206 | 0.00078 | 15.8 | 0.0595 | 11.5 | 0.00000577 | 0.0133 | 0.00731 | 0.00567 | 0.0203 | 0.0000119 | 11.6 | 0.00000445 | 0.000107 | 0.000186 | 0.000823 | 0.0435 |
| 2069 Jan | 80.6 | 0.00052 | 0.205 | 0.00078 | 15.8 | 0.0596 | 11.5 | 0.00000577 | 0.0133 | 0.0073 | 0.00567 | 0.0203 | 0.0000119 | 11.6 | 0.00000445 | 0.000107 | 0.000186 | 0.000824 | 0.0435 |
| 2069 Feb | 80.6 | 0.000521 | 0.205 | 0.00078 | 15.8 | 0.0597 | 11.5 | 0.00000577 | 0.0133 | 0.0073 | 0.00568 | 0.0204 | 0.0000119 | 11.6 | 0.00000445 | 0.000107 | 0.000186 | 0.000827 | 0.0435 |
| 2069 Mar | 80.6 | 0.000522 | 0.205 | 0.000779 | 15.8 | 0.0599 | 11.5 | 0.00000578 | 0.0134 | 0.0073 | 0.00568 | 0.0204 | 0.0000119 | 11.6 | 0.00000446 | 0.000107 | 0.000186 | 0.000829 | 0.0435 |
| 2069 Apr | 80.6 | 0.000522 | 0.205 | 0.00078 | 15.8 | 0.0599 | 11.5 | 0.00000578 | 0.0134 | 0.0073 | 0.00568 | 0.0204 | 0.0000119 | 11.6 | 0.00000446 | 0.000108 | 0.000186 | 0.000831 | 0.0435 |
| 2069 May | 81.2 | 0.000714 | 0.207 | 0.000802 | 15.9 | 0.0604 | 11.6 | 0.00000581 | 0.0136 | 0.00731 | 0.00571 | 0.0205 | 0.000012 | 11.7 | 0.00000449 | 0.000108 | 0.000187 | 0.000839 | 0.0437 |
| 2069 Jun | 80.5 | 0.000599 | 0.206 | 0.000443 | 15.8 | 0.0588 | 11.3 | 0.00000572 | 0.013 | 0.00715 | 0.00563 | 0.0202 | 0.0000118 | 11.6 | 0.00000439 | 0.000105 | 0.000185 | 0.000808 | 0.0432 |
| 2069 Jul | 82.4 | 0.000534 | 0.212 | 0.000533 | 16.2 | 0.0599 | 11.6 | 0.00000583 | 0.0132 | 0.00723 | 0.00573 | 0.0207 | 0.000012 | 11.8 | 0.00000446 | 0.000107 | 0.000188 | 0.000822 | 0.044 |
| 2069 Aug | 83.5 | 0.000623 | 0.216 | 0.000657 | 16.4 | 0.0606 | 11.7 | 0.00000587 | 0.0134 | 0.00722 | 0.00578 | 0.0209 | 0.0000121 | 12 | 0.00000449 | 0.000108 | 0.000189 | 0.000831 | 0.0443 |
| 2069 Sep | 82.2 | 0.000374 | 0.212 | 0.00083 | 16.1 | 0.0598 | 11.5 | 0.00000581 | 0.0132 | 0.00715 | 0.00571 | 0.0206 | 0.0000119 | 11.8 | 0.00000444 | 0.000107 | 0.000187 | 0.00082 | 0.0439 |
| 2069 Oct | 81.6 | 0.000405 | 0.209 | 0.000871 | 16 | 0.0597 | 11.4 | 0.0000058 | 0.0132 | 0.00715 | 0.0057 | 0.0205 | 0.0000119 | 11.7 | 0.00000443 | 0.000107 | 0.000187 | 0.000821 | 0.0438 |
| 2069 Nov | 81.6 | 0.000447 | 0.209 | 0.000874 | 16 | 0.0598 | 11.5 | 0.0000058 | 0.0133 | 0.00716 | 0.00571 | 0.0205 | 0.0000119 | 11.7 | 0.00000444 | 0.000107 | 0.000187 | 0.000823 | 0.0438 |
| 2069 Dec | 81.6 | 0.000454 | 0.209 | 0.000874 | 16 | 0.0599 | 11.5 | 0.0000058 | 0.0133 | 0.00716 | 0.00571 | 0.0205 | 0.0000119 | 11.7 | 0.00000444 | 0.000107 | 0.000187 | 0.000824 | 0.0438 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000603 | 4 | 0.00364 | 5.2 | 0.138 | 0.00286 | 3.02 | 0.0099 | 0.00533 | 0.0000888 | 0.000733 | 0.000207 | 0.143 | 0.00000898 | 0.000583 | 0.00121 | 0.00259 | 0.00000107 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000649 | 4.82 | 0.00452 | 6.03 | 0.149 | 0.00353 | 3.95 | 0.0156 | 0.00681 | 0.000104 | 0.00148 | 0.000319 | 0.184 | 0.0000139 | 0.00067 | 0.0017 | 0.0033 | 0.00449 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000679 | 6.1 | 0.00617 | 6.4 | 0.161 | 0.00382 | 5.4 | 0.0188 | 0.00739 | 0.000123 | 0.00288 | 0.000383 | 0.26 | 0.0000233 | 0.000754 | 0.00251 | 0.00457 | 0.00623 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000277 | 3.46 | 0.00309 | 4.09 | 0.05 | 0.00103 | 2.41 | 0.00234 | 0.0049 | 0.0000356 | 0.000238 | 0.000153 | 0.122 | 0.00000541 | 0.000197 | 0.000296 | 0.00162 | 0.00016 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000371 | 3.77 | 0.00335 | 4.5 | 0.0737 | 0.0015 | 2.7 | 0.00538 | 0.00559 | 0.0000495 | 0.000362 | 0.000198 | 0.134 | 0.00000644 | 0.000297 | 0.000528 | 0.0019 | 0.00146 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.00000623 | 4 | 0.00367 | 5.14 | 0.137 | 0.0028 | 3.01 | 0.0141 | 0.00722 | 0.0000875 | 0.000709 | 0.000315 | 0.143 | 0.00000904 | 0.000576 | 0.00119 | 0.00261 | 0.00522 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000337 | 2.1 | 0.00209 | 2.45 | 0.0321 | 0.000837 | 1.39 | 0.0037 | 0.00434 | 0.0000401 | 0.000177 | 0.0000849 | 0.0707 | 0.00000579 | 0.000199 | 0.000347 | 0.00174 | 0.000135 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000411 | 2.33 | 0.00228 | 2.82 | 0.0367 | 0.00108 | 1.53 | 0.00527 | 0.00462 | 0.0000449 | 0.000213 | 0.000106 | 0.0782 | 0.00000613 | 0.000225 | 0.000388 | 0.00184 | 0.00027 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.00000443 | 3.21 | 0.00292 | 3.87 | 0.048 | 0.00134 | 2.21 | 0.00712 | 0.00499 | 0.0000467 | 0.000255 | 0.000148 | 0.112 | 0.00000644 | 0.000248 | 0.00042 | 0.00192 | 0.000426 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000675 | 6.1 | 0.00617 | 6.4 | 0.143 | 0.00361 | 5.4 | 0.01 | 0.00533 | 0.000123 | 0.00288 | 0.000207 | 0.26 | 0.0000233 | 0.000754 | 0.00251 | 0.00457 | |
| 2024 Feb | 0.00000675 | 6.1 | 0.00617 | 6.4 | 0.143 | 0.00361 | 5.4 | 0.01 | 0.00533 | 0.000123 | 0.00288 | 0.000207 | 0.26 | 0.0000233 | 0.000754 | 0.00251 | 0.00457 | |
| 2024 Mar | 0.00000675 | 6.1 | 0.00617 | 6.4 | 0.143 | 0.00361 | 5.4 | 0.01 | 0.00533 | 0.000123 | 0.00288 | 0.000207 | 0.26 | 0.0000233 | 0.000754 | 0.00251 | 0.00457 | 0.00000107 |
| 2024 Apr | 0.00000674 | 6.09 | 0.00616 | 6.39 | 0.143 | 0.0036 | 5.39 | 0.00999 | 0.00534 | 0.000123 | 0.00287 | 0.000207 | 0.259 | 0.0000232 | 0.000753 | 0.00251 | 0.00456 | 0.00000837 |
| 2024 May | 0.00000672 | 6.03 | 0.00609 | 6.34 | 0.142 | 0.00357 | 5.32 | 0.0099 | 0.00541 | 0.000122 | 0.0028 | 0.00021 | 0.256 | 0.0000228 | 0.000748 | 0.00247 | 0.00451 | 0.00021 |
| 2024 Jun | 0.00000649 | 5.54 | 0.00553 | 6 | 0.138 | 0.00344 | 4.81 | 0.0106 | 0.00582 | 0.000113 | 0.00234 | 0.000224 | 0.231 | 0.00002 | 0.000703 | 0.00218 | 0.00409 | 0.00121 |
| 2024 Jul | 0.00000662 | 5.5 | 0.00542 | 6.17 | 0.143 | 0.00362 | 4.75 | 0.0124 | 0.00604 | 0.000114 | 0.00225 | 0.000249 | 0.226 | 0.0000193 | 0.000712 | 0.00215 | 0.00402 | 0.00177 |
| 2024 Aug | 0.00000679 | 5.55 | 0.0054 | 6.37 | 0.147 | 0.00376 | 4.77 | 0.0136 | 0.00619 | 0.000117 | 0.00222 | 0.000274 | 0.226 | 0.0000189 | 0.000732 | 0.00216 | 0.00401 | 0.00237 |
| 2024 Sep | 0.00000676 | 5.42 | 0.0052 | 6.36 | 0.147 | 0.00379 | 4.63 | 0.0146 | 0.00626 | 0.000115 | 0.0021 | 0.000293 | 0.217 | 0.0000178 | 0.000728 | 0.00208 | 0.00386 | 0.00298 |
| 2024 Oct | 0.00000679 | 5.36 | 0.00511 | 6.36 | 0.149 | 0.00382 | 4.55 | 0.0151 | 0.00637 | 0.000114 | 0.00203 | 0.000304 | 0.213 | 0.0000173 | 0.000729 | 0.00204 | 0.00379 | 0.00332 |
| 2024 Nov | 0.00000677 | 5.34 | 0.00509 | 6.33 | 0.149 | 0.0038 | 4.53 | 0.015 | 0.00639 | 0.000114 | 0.00201 | 0.000303 | 0.211 | 0.0000172 | 0.000726 | 0.00203 | 0.00377 | 0.00334 |
| 2024 Dec | 0.00000674 | 5.31 | 0.00507 | 6.3 | 0.148 | 0.00378 | 4.5 | 0.0149 | 0.0064 | 0.000113 | 0.002 | 0.000301 | 0.211 | 0.0000171 | 0.000722 | 0.00202 | 0.00376 | 0.00333 |
| 2025 Jan | 0.00000671 | 5.29 | 0.00506 | 6.27 | 0.147 | 0.00376 | 4.48 | 0.0148 | 0.00642 | 0.000113 | 0.00198 | 0.000299 | 0.21 | 0.0000171 | 0.000719 | 0.00201 | 0.00375 | 0.00331 |
| 2025 Feb | 0.00000669 | 5.28 | 0.00505 | 6.24 | 0.147 | 0.00375 | 4.47 | 0.0147 | 0.00643 | 0.000112 | 0.00197 | 0.000297 | 0.209 | 0.000017 | 0.000716 | 0.002 | 0.00373 | 0.00331 |
| 2025 Mar | 0.00000668 | 5.26 | 0.00504 | 6.22 | 0.147 | 0.00373 | 4.45 | 0.0146 | 0.00644 | 0.000112 | 0.00196 | 0.000296 | 0.209 | 0.000017 | 0.000714 | 0.00199 | 0.00373 | 0.0033 |
| 2025 Apr | 0.00000666 | 5.25 | 0.00503 | 6.2 | 0.146 | 0.00372 | 4.44 | 0.0145 | 0.00646 | 0.000112 | 0.00195 | 0.000295 | 0.208 | 0.0000169 | 0.000712 | 0.00198 | 0.00372 | 0.0033 |
| 2025 May | 0.00000669 | 5.26 | 0.00505 | 6.21 | 0.147 | 0.00373 | 4.45 | 0.0145 | 0.00651 | 0.000112 | 0.00195 | 0.000297 | 0.209 | 0.0000169 | 0.000716 | 0.00199 | 0.00373 | 0.0034 |
| 2025 Jun | 0.00000663 | 5.11 | 0.00482 | 5.97 | 0.147 | 0.00352 | 4.22 | 0.0136 | 0.00664 | 0.000109 | 0.00178 | 0.000301 | 0.199 | 0.0000157 | 0.000701 | 0.00188 | 0.00355 | 0.00389 |
| 2025 Jul | 0.0000066 | 4.94 | 0.00463 | 5.94 | 0.149 | 0.00353 | 4.03 | 0.0147 | 0.00689 | 0.000105 | 0.0016 | 0.000309 | 0.189 | 0.0000147 | 0.00068 | 0.00176 | 0.0034 | 0.00411 |
| 2025 Aug | 0.00000677 | 5.01 | 0.00464 | 6.21 | 0.154 | 0.00372 | 4.09 | 0.0163 | 0.00702 | 0.000108 | 0.00159 | 0.000333 | 0.19 | 0.0000146 | 0.0007 | 0.00179 | 0.00342 | 0.00457 |
| 2025 Sep | 0.00000666 | 4.87 | 0.00448 | 6.21 | 0.151 | 0.00373 | 3.99 | 0.017 | 0.00698 | 0.000106 | 0.00148 | 0.000342 | 0.183 | 0.0000137 | 0.000689 | 0.00171 | 0.00329 | 0.00488 |
| 2025 Oct | 0.00000655 | 4.75 | 0.00438 | 6.13 | 0.148 | 0.00368 | 3.88 | 0.017 | 0.00702 | 0.000103 | 0.00139 | 0.000341 | 0.178 | 0.0000131 | 0.000675 | 0.00164 | 0.0032 | 0.00501 |
| 2025 Nov | 0.00000648 | 4.7 | 0.00436 | 6.05 | 0.147 | 0.00363 | 3.83 | 0.0167 | 0.00705 | 0.000102 | 0.00136 | 0.000335 | 0.177 | 0.000013 | 0.000667 | 0.00162 | 0.00317 | 0.00497 |
| 2025 Dec | 0.00000645 | 4.68 | 0.00435 | 6 | 0.146 | 0.0036 | 3.81 | 0.0165 | 0.00706 | 0.000102 | 0.00134 | 0.000332 | 0.176 | 0.000013 | 0.000662 | 0.00161 | 0.00316 | 0.00494 |
| 2026 Jan | 0.00000642 | 4.66 | 0.00435 | 5.97 | 0.145 | 0.00358 | 3.8 | 0.0163 | 0.00707 | 0.000102 | 0.00133 | 0.00033 | 0.176 | 0.0000129 | 0.000659 | 0.0016 | 0.00316 | 0.00491 |
| 2026 Feb | 0.0000064 | 4.65 | 0.00434 | 5.95 | 0.145 | 0.00357 | 3.79 | 0.0162 | 0.00708 | 0.000101 | 0.00133 | 0.000328 | 0.175 | 0.0000129 | 0.000657 | 0.00159 | 0.00315 | 0.0049 |
| 2026 Mar | 0.00000639 | 4.64 | 0.00434 | 5.93 | 0.144 | 0.00355 | 3.78 | 0.0161 | 0.00709 | 0.000101 | 0.00132 | 0.000327 | 0.175 | 0.0000129 | 0.000655 | 0.00159 | 0.00314 | 0.00489 |
| 2026 Apr | 0.00000638 | 4.63 | 0.00434 | 5.91 | 0.144 | 0.00354 | 3.77 | 0.016 | 0.0071 | 0.000101 | 0.00132 | 0.000326 | 0.175 | 0.0000128 | 0.000654 | 0.00159 | 0.00314 | 0.00488 |
| 2026 May | 0.0000064 | 4.64 | 0.00435 | 5.92 | 0.144 | 0.00354 | 3.78 | 0.0159 | 0.00714 | 0.000102 | 0.00131 | 0.000328 | 0.176 | 0.0000128 | 0.000658 | 0.00159 | 0.00315 | 0.00499 |
| 2026 Jun | 0.00000625 | 4.48 | 0.00416 | 5.58 | 0.142 | 0.00324 | 3.55 | 0.0143 | 0.00713 | 0.0000974 | 0.00116 | 0.000317 | 0.167 | 0.0000118 | 0.000632 | 0.00148 | 0.00299 | 0.0051 |
| 2026 Jul | 0.00000631 | 4.46 | 0.00412 | 5.75 | 0.145 | 0.00336 | 3.55 | 0.0157 | 0.00724 | 0.0000974 | 0.00111 | 0.00033 | 0.165 | 0.0000116 | 0.000634 | 0.00147 | 0.00296 | 0.00527 |
| 2026 Aug | 0.00000644 | 4.51 | 0.00412 | 6 | 0.148 | 0.00354 | 3.61 | 0.0173 | 0.0073 | 0.0000998 | 0.00111 | 0.000351 | 0.166 | 0.0000114 | 0.00065 | 0.00149 | 0.00298 | 0.00556 |
| 2026 Sep | 0.00000654 | 4.54 | 0.00412 | 6.16 | 0.151 | 0.00366 | 3.65 | 0.0183 | 0.00732 | 0.000102 | 0.00111 | 0.000367 | 0.167 | 0.0000113 | 0.000665 | 0.00151 | 0.00299 | 0.00587 |
| 2026 Oct | 0.00000662 | 4.56 | 0.00413 | 6.26 | 0.152 | 0.00372 | 3.68 | 0.0187 | 0.00735 | 0.000104 | 0.0011 | 0.000379 | 0.167 | 0.0000112 | 0.000677 | 0.00153 | 0.003 | 0.00613 |
| 2026 Nov | 0.00000663 | 4.57 | 0.00413 | 6.27 | 0.152 | 0.00373 | 3.69 | 0.0188 | 0.00736 | 0.000105 | 0.0011 | 0.00038 | 0.168 | 0.0000112 | 0.000679 | 0.00154 | 0.003 | 0.00616 |
| 2026 Dec | 0.00000663 | 4.57 | 0.00413 | 6.27 | 0.152 | 0.00373 | 3.69 | 0.0188 | 0.00736 | 0.000105 | 0.0011 | 0.00038 | 0.168 | 0.0000112 | 0.000679 | 0.00154 | 0.003 | 0.00616 |
| 2027 Jan | 0.00000663 | 4.57 | 0.00413 | 6.27 | 0.152 | 0.00373 | 3.69 | 0.0188 | 0.00736 | 0.000105 | 0.0011 | 0.00038 | 0.168 | 0.0000112 | 0.000679 | 0.00154 | 0.003 | 0.00616 |
| 2027 Feb | 0.00000663 | 4.57 | 0.00413 | 6.27 | 0.152 | 0.00373 | 3.69 | 0.0188 | 0.00736 | 0.000105 | 0.0011 | 0.00038 | 0.168 | 0.0000112 | 0.000679 | 0.00154 | 0.003 | 0.00616 |
| 2027 Mar | 0.00000664 | 4.57 | 0.00413 | 6.27 | 0.152 | 0.00373 | 3.69 | 0.0188 | 0.00736 | 0.000105 | 0.0011 | 0.00038 | 0.168 | 0.0000112 | 0.000679 | 0.00154 | 0.003 | 0.00616 |
| 2027 Apr | 0.00000664 | 4.57 | 0.00413 | 6.28 | 0.152 | 0.00373 | 3.69 | 0.0188 | 0.00736 | 0.000105 | 0.0011 | 0.000381 | 0.168 | 0.0000112 | 0.000679 | 0.00154 | 0.003 | 0.00617 |
| 2027 May | 0.00000668 | 4.6 | 0.00415 | 6.29 | 0.155 | 0.00373 | 3.7 | 0.0187 | 0.00739 | 0.000105 | 0.0011 | 0.000383 | 0.169 | 0.0000112 | 0.000684 | 0.00154 | 0.00301 | 0.00623 |
| 2027 Jun | 0.00000633 | 4.36 | 0.00389 | 5.67 | 0.159 | 0.00319 | 3.34 | 0.0158 | 0.00717 | 0.0000954 | 0.000949 | 0.000344 | 0.156 | 0.0000103 | 0.000629 | 0.00137 | 0.0028 | 0.00557 |
| 2027 Jul | 0.00000612 | 4.17 | 0.00377 | 5.54 | 0.154 | 0.00312 | 3.18 | 0.0162 | 0.00717 | 0.0000893 | 0.000854 | 0.000329 | 0.148 | 0.00000983 | 0.000591 | 0.00127 | 0.00268 | 0.00512 |
| 2027 Aug | 0.00000628 | 4.25 | 0.00379 | 5.77 | 0.161 | 0.00328 | 3.24 | 0.0175 | 0.00723 | 0.0000918 | 0.000866 | 0.000348 | 0.15 | 0.00000985 | 0.000609 | 0.0013 | 0.00272 | 0.00535 |
| 2027 Sep | 0.00000627 | 4.22 | 0.00374 | 5.8 | 0.16 | 0.0033 | 3.24 | 0.0179 | 0.00716 | 0.0000919 | 0.000847 | 0.000355 | 0.148 | 0.00000959 | 0.00061 | 0.00129 | 0.00268 | 0.0055 |
| 2027 Oct | 0.00000615 | 4.13 | 0.00369 | 5.68 | 0.154 | 0.00322 | 3.17 | 0.0174 | 0.00712 | 0.0000905 | 0.000809 | 0.000348 | 0.146 | 0.00000929 | 0.000598 | 0.00125 | 0.00263 | 0.00548 |
| 2027 Nov | 0.00000611 | 4.1 | 0.00369 | 5.62 | 0.152 | 0.00318 | 3.15 | 0.0171 | 0.00714 | 0.0000901 | 0.000798 | 0.000344 | 0.145 | 0.00000924 | 0.000593 | 0.00124 | 0.00262 | 0.00545 |
| 2027 Dec | 0.00000608 | 4.09 | 0.00369 | 5.59 | 0.151 | 0.00316 | 3.14 | 0.0169 | 0.00715 | 0.0000898 | 0.000792 | 0.000341 | 0.145 | 0.00000922 | 0.00059 | 0.00124 | 0.00261 | 0.00543 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000606 | 4.08 | 0.00369 | 5.57 | 0.151 | 0.00314 | 3.13 | 0.0168 | 0.00715 | 0.0000896 | 0.000789 | 0.00034 | 0.145 | 0.0000092 | 0.000588 | 0.00123 | 0.00261 | 0.00541 |
| 2028 Feb | 0.00000605 | 4.07 | 0.00369 | 5.56 | 0.15 | 0.00313 | 3.13 | 0.0167 | 0.00715 | 0.0000895 | 0.000787 | 0.000339 | 0.145 | 0.00000919 | 0.000587 | 0.00123 | 0.00261 | 0.0054 |
| 2028 Mar | 0.00000604 | 4.07 | 0.00369 | 5.54 | 0.15 | 0.00313 | 3.12 | 0.0166 | 0.00716 | 0.0000894 | 0.000785 | 0.000338 | 0.145 | 0.00000918 | 0.000586 | 0.00123 | 0.00261 | 0.0054 |
| 2028 Apr | 0.00000603 | 4.06 | 0.00369 | 5.53 | 0.149 | 0.00312 | 3.12 | 0.0166 | 0.00716 | 0.0000893 | 0.000783 | 0.000337 | 0.145 | 0.00000918 | 0.000586 | 0.00123 | 0.00261 | 0.00539 |
| 2028 May | 0.00000606 | 4.08 | 0.0037 | 5.55 | 0.15 | 0.00312 | 3.13 | 0.0165 | 0.00719 | 0.0000902 | 0.000784 | 0.000339 | 0.146 | 0.00000918 | 0.00059 | 0.00124 | 0.00262 | 0.00548 |
| 2028 Jun | 0.00000615 | 4 | 0.00364 | 5.2 | 0.14 | 0.00286 | 3.02 | 0.0145 | 0.00711 | 0.0000888 | 0.000733 | 0.000322 | 0.143 | 0.00000898 | 0.000583 | 0.00121 | 0.00259 | 0.00539 |
| 2028 Jul | 0.00000618 | 3.95 | 0.00362 | 5.08 | 0.136 | 0.00278 | 2.97 | 0.0141 | 0.00715 | 0.0000869 | 0.000705 | 0.000313 | 0.141 | 0.00000896 | 0.000573 | 0.00118 | 0.00258 | 0.00521 |
| 2028 Aug | 0.00000623 | 4 | 0.00367 | 5.14 | 0.137 | 0.0028 | 3.01 | 0.0141 | 0.00722 | 0.0000875 | 0.000709 | 0.000315 | 0.143 | 0.00000904 | 0.000576 | 0.00119 | 0.00261 | 0.00522 |
| 2028 Sep | 0.00000619 | 4 | 0.00367 | 5.13 | 0.136 | 0.00278 | 3 | 0.014 | 0.0072 | 0.0000868 | 0.000703 | 0.000313 | 0.143 | 0.000009 | 0.000572 | 0.00118 | 0.0026 | 0.00515 |
| 2028 Oct | 0.00000605 | 3.96 | 0.00363 | 5.07 | 0.133 | 0.00271 | 2.97 | 0.0135 | 0.00708 | 0.0000848 | 0.000685 | 0.000307 | 0.141 | 0.00000884 | 0.000558 | 0.00114 | 0.00255 | 0.00497 |
| 2028 Nov | 0.00000604 | 3.96 | 0.00362 | 5.06 | 0.132 | 0.0027 | 2.97 | 0.0135 | 0.00707 | 0.0000845 | 0.000683 | 0.000306 | 0.141 | 0.00000882 | 0.000556 | 0.00114 | 0.00255 | 0.00495 |
| 2028 Dec | 0.00000604 | 3.96 | 0.00362 | 5.06 | 0.132 | 0.0027 | 2.97 | 0.0135 | 0.00707 | 0.0000845 | 0.000683 | 0.000306 | 0.141 | 0.00000882 | 0.000556 | 0.00114 | 0.00255 | 0.00495 |
| 2029 Jan | 0.00000604 | 3.96 | 0.00362 | 5.06 | 0.132 | 0.0027 | 2.97 | 0.0135 | 0.00707 | 0.0000845 | 0.000683 | 0.000306 | 0.141 | 0.00000882 | 0.000556 | 0.00114 | 0.00255 | 0.00495 |
| 2029 Feb | 0.00000604 | 3.96 | 0.00362 | 5.06 | 0.132 | 0.0027 | 2.97 | 0.0135 | 0.00707 | 0.0000845 | 0.000683 | 0.000306 | 0.141 | 0.00000882 | 0.000556 | 0.00114 | 0.00255 | 0.00495 |
| 2029 Mar | 0.00000604 | 3.96 | 0.00362 | 5.06 | 0.132 | 0.0027 | 2.97 | 0.0135 | 0.00707 | 0.0000845 | 0.000683 | 0.000306 | 0.141 | 0.00000882 | 0.000556 | 0.00114 | 0.00255 | 0.00495 |
| 2029 Apr | 0.00000604 | 3.96 | 0.00362 | 5.06 | 0.132 | 0.0027 | 2.97 | 0.0135 | 0.00707 | 0.0000846 | 0.000683 | 0.000306 | 0.141 | 0.00000882 | 0.000556 | 0.00114 | 0.00255 | 0.00495 |
| 2029 May | 0.00000605 | 3.97 | 0.00363 | 5.07 | 0.133 | 0.00271 | 2.97 | 0.0135 | 0.00709 | 0.0000847 | 0.000685 | 0.000307 | 0.142 | 0.00000884 | 0.000557 | 0.00114 | 0.00255 | 0.00496 |
| 2029 Jun | 0.00000581 | 3.92 | 0.00358 | 4.98 | 0.127 | 0.00259 | 2.93 | 0.0127 | 0.00691 | 0.000081 | 0.000652 | 0.000295 | 0.14 | 0.00000857 | 0.000531 | 0.00108 | 0.00248 | 0.00462 |
| 2029 Jul | 0.0000055 | 3.88 | 0.00353 | 4.89 | 0.119 | 0.00243 | 2.88 | 0.0117 | 0.00669 | 0.0000764 | 0.000611 | 0.000281 | 0.138 | 0.00000824 | 0.000498 | 0.001 | 0.00239 | 0.00418 |
| 2029 Aug | 0.0000055 | 3.91 | 0.00356 | 4.92 | 0.118 | 0.00242 | 2.9 | 0.0116 | 0.00671 | 0.0000762 | 0.000608 | 0.000281 | 0.139 | 0.00000825 | 0.000496 | 0.000995 | 0.00239 | 0.00413 |
| 2029 Sep | 0.00000544 | 3.91 | 0.00355 | 4.91 | 0.117 | 0.00239 | 2.89 | 0.0114 | 0.00668 | 0.0000753 | 0.0006 | 0.000278 | 0.139 | 0.0000082 | 0.00049 | 0.00098 | 0.00238 | 0.00404 |
| 2029 Oct | 0.00000543 | 3.91 | 0.00355 | 4.91 | 0.117 | 0.00239 | 2.89 | 0.0113 | 0.00668 | 0.0000751 | 0.000598 | 0.000278 | 0.139 | 0.00000819 | 0.000488 | 0.000976 | 0.00238 | 0.00402 |
| 2029 Nov | 0.00000543 | 3.91 | 0.00355 | 4.91 | 0.117 | 0.00239 | 2.9 | 0.0113 | 0.00668 | 0.0000752 | 0.000599 | 0.000278 | 0.139 | 0.00000819 | 0.000488 | 0.000977 | 0.00238 | 0.00402 |
| 2029 Dec | 0.00000543 | 3.91 | 0.00355 | 4.91 | 0.117 | 0.00239 | 2.9 | 0.0113 | 0.00668 | 0.0000752 | 0.000599 | 0.000278 | 0.139 | 0.00000819 | 0.000488 | 0.000977 | 0.00238 | 0.00402 |
| 2030 Jan | 0.00000543 | 3.91 | 0.00355 | 4.91 | 0.117 | 0.00239 | 2.9 | 0.0113 | 0.00668 | 0.0000752 | 0.000599 | 0.000278 | 0.139 | 0.00000819 | 0.000488 | 0.000977 | 0.00238 | 0.00402 |
| 2030 Feb | 0.00000543 | 3.91 | 0.00355 | 4.91 | 0.117 | 0.00239 | 2.9 | 0.0113 | 0.00668 | 0.0000752 | 0.000599 | 0.000278 | 0.139 | 0.00000819 | 0.000488 | 0.000977 | 0.00238 | 0.00402 |
| 2030 Mar | 0.00000543 | 3.91 | 0.00355 | 4.91 | 0.117 | 0.00239 | 2.9 | 0.0113 | 0.00668 | 0.0000752 | 0.000599 | 0.000278 | 0.139 | 0.00000819 | 0.000488 | 0.000977 | 0.00238 | 0.00402 |
| 2030 Apr | 0.00000544 | 3.91 | 0.00356 | 4.91 | 0.117 | 0.00239 | 2.9 | 0.0113 | 0.00668 | 0.0000752 | 0.000599 | 0.000278 | 0.139 | 0.0000082 | 0.000489 | 0.000977 | 0.00238 | 0.00402 |
| 2030 May | 0.00000545 | 3.93 | 0.00357 | 4.93 | 0.117 | 0.00239 | 2.91 | 0.0114 | 0.0067 | 0.0000754 | 0.000601 | 0.000279 | 0.14 | 0.00000822 | 0.00049 | 0.00098 | 0.00239 | 0.00403 |
| 2030 Jun | 0.00000519 | 3.87 | 0.00351 | 4.83 | 0.111 | 0.00226 | 2.85 | 0.0105 | 0.0065 | 0.0000714 | 0.000565 | 0.000266 | 0.138 | 0.00000792 | 0.000461 | 0.000914 | 0.0023 | 0.00367 |
| 2030 Jul | 0.00000507 | 3.87 | 0.0035 | 4.8 | 0.108 | 0.0022 | 2.84 | 0.0101 | 0.00643 | 0.0000697 | 0.000549 | 0.000261 | 0.138 | 0.00000781 | 0.000449 | 0.000883 | 0.00227 | 0.00349 |
| 2030 Aug | 0.00000505 | 3.88 | 0.00351 | 4.82 | 0.107 | 0.00218 | 2.85 | 0.00995 | 0.00643 | 0.0000692 | 0.000545 | 0.00026 | 0.138 | 0.0000078 | 0.000446 | 0.000874 | 0.00227 | 0.00343 |
| 2030 Sep | 0.00000505 | 3.89 | 0.00352 | 4.83 | 0.107 | 0.00218 | 2.86 | 0.0099 | 0.00644 | 0.0000691 | 0.000543 | 0.000259 | 0.139 | 0.0000078 | 0.000444 | 0.000871 | 0.00227 | 0.0034 |
| 2030 Oct | 0.00000499 | 3.87 | 0.0035 | 4.8 | 0.105 | 0.00215 | 2.84 | 0.00972 | 0.00638 | 0.0000682 | 0.000536 | 0.000256 | 0.138 | 0.00000772 | 0.000438 | 0.000857 | 0.00225 | 0.00333 |
| 2030 Nov | 0.00000494 | 3.86 | 0.00348 | 4.77 | 0.104 | 0.00213 | 2.83 | 0.0096 | 0.00634 | 0.0000676 | 0.00053 | 0.000254 | 0.137 | 0.00000767 | 0.000434 | 0.000847 | 0.00224 | 0.00328 |
| 2030 Dec | 0.00000494 | 3.86 | 0.00348 | 4.77 | 0.104 | 0.00213 | 2.83 | 0.0096 | 0.00634 | 0.0000676 | 0.00053 | 0.000254 | 0.137 | 0.00000767 | 0.000434 | 0.000847 | 0.00224 | 0.00328 |
| 2031 Jan | 0.00000494 | 3.86 | 0.00348 | 4.77 | 0.104 | 0.00213 | 2.83 | 0.0096 | 0.00634 | 0.0000676 | 0.00053 | 0.000254 | 0.137 | 0.00000767 | 0.000434 | 0.000847 | 0.00224 | 0.00328 |
| 2031 Feb | 0.00000494 | 3.86 | 0.00348 | 4.77 | 0.104 | 0.00213 | 2.83 | 0.0096 | 0.00634 | 0.0000676 | 0.00053 | 0.000254 | 0.137 | 0.00000767 | 0.000434 | 0.000847 | 0.00224 | 0.00328 |
| 2031 Mar | 0.00000494 | 3.86 | 0.00348 | 4.77 | 0.104 | 0.00213 | 2.83 | 0.0096 | 0.00634 | 0.0000676 | 0.00053 | 0.000254 | 0.137 | 0.00000767 | 0.000434 | 0.000847 | 0.00224 | 0.00328 |
| 2031 Apr | 0.00000495 | 3.86 | 0.00349 | 4.78 | 0.104 | 0.00213 | 2.83 | 0.00961 | 0.00635 | 0.0000676 | 0.000531 | 0.000255 | 0.137 | 0.00000768 | 0.000435 | 0.000848 | 0.00224 | 0.00329 |
| 2031 May | 0.00000495 | 3.88 | 0.0035 | 4.79 | 0.104 | 0.00213 | 2.84 | 0.00958 | 0.00637 | 0.0000676 | 0.00053 | 0.000255 | 0.138 | 0.00000769 | 0.000434 | 0.000847 | 0.00224 | 0.00327 |
| 2031 Jun | 0.00000471 | 3.82 | 0.00344 | 4.7 | 0.0985 | 0.00201 | 2.79 | 0.00883 | 0.00618 | 0.0000641 | 0.000499 | 0.000244 | 0.136 | 0.00000742 | 0.000409 | 0.000789 | 0.00217 | 0.00295 |
| 2031 Jul | 0.00000479 | 3.9 | 0.00351 | 4.79 | 0.0999 | 0.00204 | 2.85 | 0.00893 | 0.00629 | 0.000065 | 0.000506 | 0.000248 | 0.139 | 0.00000755 | 0.000415 | 0.000798 | 0.00221 | 0.00298 |
| 2031 Aug | 0.00000481 | 3.94 | 0.00354 | 4.83 | 0.1 | 0.00205 | 2.87 | 0.00894 | 0.00634 | 0.0000653 | 0.000508 | 0.000249 | 0.14 | 0.0000076 | 0.000416 | 0.0008 | 0.00222 | 0.00297 |
| 2031 Sep | 0.0000047 | 3.89 | 0.0035 | 4.77 | 0.0976 | 0.00199 | 2.84 | 0.00862 | 0.00624 | 0.0000637 | 0.000494 | 0.000243 | 0.138 | 0.00000746 | 0.000405 | 0.000775 | 0.00218 | 0.00285 |
| 2031 Oct | 0.00000463 | 3.87 | 0.00348 | 4.73 | 0.096 | 0.00196 | 2.81 | 0.00842 | 0.00618 | 0.0000628 | 0.000485 | 0.00024 | 0.137 | 0.00000738 | 0.000398 | 0.000759 | 0.00216 | 0.00276 |
| 2031 Nov | 0.00000462 | 3.87 | 0.00348 | 4.73 | 0.0958 | 0.00196 | 2.81 | 0.00839 | 0.00617 | 0.0000627 | 0.000484 | 0.00024 | 0.137 | 0.00000736 | 0.000397 | 0.000757 | 0.00215 | 0.00275 |
| 2031 Dec | 0.00000462 | 3.87 | 0.00348 | 4.73 | 0.0958 | 0.00196 | 2.81 | 0.00839 | 0.00617 | 0.0000627 | 0.000484 | 0.00024 | 0.137 | 0.00000736 | 0.000397 | 0.000757 | 0.00215 | 0.00275 |
| 2032 Jan | 0.00000462 | 3.87 | 0.00348 | 4.73 | 0.0958 | 0.00196 | 2.81 | 0.00839 | 0.00617 | 0.0000627 | 0.000484 | 0.00024 | 0.137 | 0.00000736 | 0.000397 | 0.000757 | 0.00215 | 0.00275 |
| 2032 Feb | 0.00000462 | 3.87 | 0.00348 | 4.73 | 0.0958 | 0.00196 | 2.81 | 0.00839 | 0.00617 | 0.0000627 | 0.000484 | 0.00024 | 0.137 | 0.00000736 | 0.000397 | 0.000757 | 0.00215 | 0.00275 |
| 2032 Mar | 0.00000462 | 3.87 | 0.00348 | 4.73 | 0.0958 | 0.00196 | 2.81 | 0.00839 | 0.00617 | 0.0000627 | 0.000484 | 0.00024 | 0.137 | 0.00000736 | 0.000397 | 0.000757 | 0.00215 | 0.00275 |
| 2032 Apr | 0.00000462 | 3.87 | 0.00348 | 4.73 | 0.0958 | 0.00196 | 2.81 | 0.0084 | 0.00617 | 0.0000627 | 0.000484 | 0.00024 | 0.137 | 0.00000737 | 0.000397 | 0.000758 | 0.00216 | 0.00275 |
| 2032 May | 0.00000463 | 3.88 | 0.00349 | 4.75 | 0.0961 | 0.00196 | 2.82 | 0.00842 | 0.00619 | 0.0000629 | 0.000486 | 0.00024 | 0.138 | 0.00000739 | 0.000398 | 0.00076 | 0.00216 | 0.00276 |
| 2032 Jun | 0.00000439 | 3.81 | 0.00342 | 4.64 | 0.0905 | 0.00185 | 2.76 | 0.00772 | 0.006 | 0.0000595 | 0.000455 | 0.000229 | 0.135 | 0.00000711 | 0.000373 | 0.000705 | 0.00208 | 0.00247 |
| 2032 Jul | 0.00000425 | 3.77 | 0.00338 | 4.57 | 0.0872 | 0.00178 | 2.73 | 0.00729 | 0.00588 | 0.0000574 | 0.000437 | 0.000222 | 0.134 | 0.00000694 | 0.000358 | 0.000672 | 0.00204 | 0.00229 |
| 2032 Aug | 0.00000425 | 3.79 | 0.0034 | 4.6 | 0.0871 | 0.00178 | 2.74 | 0.00725 | 0.0059 | 0.0000574 | 0.000436 | 0.000223 | 0.135 | 0.00000697 | 0.000358 | 0.000669 | 0.00204 | 0.00227 |
| 2032 Sep | 0.00000425 | 3.8 | 0.00341 | 4.61 | 0.087 | 0.00177 | 2.75 | 0.00722 | 0.00591 | 0.0000573 | 0.000435 | 0.000223 | 0.135 | 0.00000697 | 0.000357 | 0.000667 | 0.00205 | 0.00225 |
| 2032 Oct | 0.00000424 | 3.81 | 0.00341 | 4.61 | 0.0868 | 0.00177 | 2.75 | 0.00719 | 0.00591 | 0.0000572 | 0.000434 | 0.000222 | 0.135 | 0.00000697 | 0.000356 | 0.000665 | 0.00205 | 0.00224 |
| 2032 Nov | 0.00000424 | 3.81 | 0.00341 | 4.61 | 0.0868 | 0.00177 | 2.75 | 0.00719 | 0.00591 | 0.0000572 | 0.000434 | 0.000222 | 0.135 | 0.00000697 | 0.000356 | 0.000665 | 0.00205 | 0.00224 |
| 2032 Dec | 0.00000424 | 3.81 | 0.00341 | 4.61 | 0.0868 | 0.00177 | 2.75 | 0.00719 | 0.00591 | 0.0000572 | 0.000434 | 0.000222 | 0.135 | 0.00000697 | 0.000356 | 0.000665 | 0.00205 | 0.00224 |
| 2033 Jan | 0.00000424 | 3.81 | 0.00341 | 4.61 | 0.0868 | 0.00177 | 2.75 | 0.00718 | 0.00591 | 0.0000572 | 0.000434 | 0.000222 | 0.135 | 0.00000697 | 0.000356 | 0.000665 | 0.00205 | 0.00224 |
| 2033 Feb | 0.00000424 | 3.81 | 0.00341 | 4.61 | 0.0868 | 0.00177 | 2.75 | 0.00718 | 0.00591 | 0.0000572 | 0.000434 | 0.000222 | 0.135 | 0.00000697 | 0.000356 | 0.000665 | 0.00205 | 0.00224 |
| 2033 Mar | 0.00000424 | 3.81 | 0.00341 | 4.61 | 0.0868 | 0.00177 | 2.75 | 0.00719 | 0.00591 | 0.0000572 | 0.000434 | 0.000222 | 0.135 | 0.00000697 | 0.000356 | 0.000665 | 0.00205 | 0.00224 |
| 2033 Apr | 0.00000425 | 3.81 | 0.00341 | 4.62 | 0.0869 | 0.00177 | 2.76 | 0.00719 | 0.00592 | 0.0000573 | 0.000435 | 0.000223 | 0.135 | 0.00000698 | 0.000357 | 0.000665 | 0.00205 | 0.00224 |
| 2033 May | 0.0000042 | 3.81 | 0.00341 | 4.61 | 0.0856 | 0.00174 | 2.75 | 0.00702 | 0.00589 | 0.0000565 | 0.000428 | 0.00022 | 0.135 | 0.00000693 | 0.000351 | 0.000652 | 0.00203 | 0.00216 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 0.00000396 | 3.72 | 0.00332 | 4.48 | 0.0801 | 0.00163 | 2.68 | 0.00635 | 0.00567 | 0.0000531 | 0.000398 | 0.000209 | 0.132 | 0.00000663 | 0.000327 | 0.000599 | 0.00195 | 0.0019 |
| 2033 Jul | 0.00000398 | 3.76 | 0.00336 | 4.52 | 0.0805 | 0.00164 | 2.71 | 0.00635 | 0.00572 | 0.0000534 | 0.0004 | 0.00021 | 0.133 | 0.00000668 | 0.000328 | 0.000601 | 0.00197 | 0.00189 |
| 2033 Aug | 0.00000402 | 3.81 | 0.0034 | 4.58 | 0.0811 | 0.00165 | 2.74 | 0.00638 | 0.00579 | 0.0000538 | 0.000403 | 0.000212 | 0.135 | 0.00000675 | 0.000331 | 0.000605 | 0.00199 | 0.00189 |
| 2033 Sep | 0.00000396 | 3.78 | 0.00337 | 4.54 | 0.0798 | 0.00162 | 2.72 | 0.00623 | 0.00573 | 0.000053 | 0.000396 | 0.00021 | 0.134 | 0.00000668 | 0.000325 | 0.000592 | 0.00197 | 0.00183 |
| 2033 Oct | 0.0000039 | 3.75 | 0.00335 | 4.51 | 0.0784 | 0.0016 | 2.7 | 0.00607 | 0.00568 | 0.0000523 | 0.000388 | 0.000207 | 0.133 | 0.0000066 | 0.000319 | 0.000579 | 0.00195 | 0.00176 |
| 2033 Nov | 0.00000388 | 3.75 | 0.00334 | 4.5 | 0.078 | 0.00159 | 2.69 | 0.00601 | 0.00566 | 0.0000521 | 0.000386 | 0.000206 | 0.133 | 0.00000658 | 0.000317 | 0.000575 | 0.00194 | 0.00174 |
| 2033 Dec | 0.00000388 | 3.75 | 0.00334 | 4.5 | 0.078 | 0.00159 | 2.69 | 0.00601 | 0.00566 | 0.0000521 | 0.000386 | 0.000206 | 0.133 | 0.00000658 | 0.000317 | 0.000575 | 0.00194 | 0.00174 |
| 2034 Jan | 0.00000388 | 3.75 | 0.00334 | 4.5 | 0.078 | 0.00159 | 2.69 | 0.00601 | 0.00566 | 0.0000521 | 0.000386 | 0.000206 | 0.133 | 0.00000658 | 0.000317 | 0.000575 | 0.00194 | 0.00174 |
| 2034 Feb | 0.00000388 | 3.75 | 0.00334 | 4.5 | 0.078 | 0.00159 | 2.69 | 0.00601 | 0.00566 | 0.0000521 | 0.000386 | 0.000206 | 0.133 | 0.00000658 | 0.000317 | 0.000575 | 0.00194 | 0.00174 |
| 2034 Mar | 0.00000388 | 3.75 | 0.00334 | 4.5 | 0.078 | 0.00159 | 2.69 | 0.00601 | 0.00566 | 0.0000521 | 0.000386 | 0.000206 | 0.133 | 0.00000658 | 0.000317 | 0.000575 | 0.00194 | 0.00174 |
| 2034 Apr | 0.00000388 | 3.75 | 0.00334 | 4.5 | 0.078 | 0.00159 | 2.7 | 0.00601 | 0.00566 | 0.0000522 | 0.000386 | 0.000206 | 0.133 | 0.00000658 | 0.000317 | 0.000575 | 0.00194 | 0.00174 |
| 2034 May | 0.00000389 | 3.76 | 0.00336 | 4.52 | 0.0781 | 0.00159 | 2.7 | 0.006 | 0.00568 | 0.0000522 | 0.000386 | 0.000206 | 0.134 | 0.0000066 | 0.000317 | 0.000575 | 0.00195 | 0.00173 |
| 2034 Jun | 0.0000037 | 3.7 | 0.00329 | 4.42 | 0.0738 | 0.0015 | 2.65 | 0.00548 | 0.00551 | 0.0000495 | 0.000363 | 0.000197 | 0.131 | 0.00000637 | 0.000299 | 0.000534 | 0.00188 | 0.00152 |
| 2034 Jul | 0.00000373 | 3.74 | 0.00333 | 4.47 | 0.0743 | 0.00151 | 2.68 | 0.0055 | 0.00558 | 0.0000499 | 0.000366 | 0.000199 | 0.133 | 0.00000644 | 0.000301 | 0.000536 | 0.0019 | 0.00152 |
| 2034 Aug | 0.00000379 | 3.81 | 0.00339 | 4.55 | 0.0755 | 0.00154 | 2.73 | 0.00558 | 0.00567 | 0.0000507 | 0.000372 | 0.000202 | 0.135 | 0.00000655 | 0.000305 | 0.000544 | 0.00193 | 0.00153 |
| 2034 Sep | 0.00000378 | 3.81 | 0.00339 | 4.54 | 0.0751 | 0.00153 | 2.73 | 0.00552 | 0.00566 | 0.0000504 | 0.000369 | 0.000202 | 0.135 | 0.00000653 | 0.000304 | 0.00054 | 0.00193 | 0.00151 |
| 2034 Oct | 0.00000373 | 3.78 | 0.00336 | 4.51 | 0.074 | 0.0015 | 2.7 | 0.00541 | 0.0056 | 0.0000498 | 0.000364 | 0.000199 | 0.134 | 0.00000646 | 0.000299 | 0.00053 | 0.00191 | 0.00147 |
| 2034 Nov | 0.00000373 | 3.78 | 0.00336 | 4.51 | 0.074 | 0.0015 | 2.71 | 0.0054 | 0.0056 | 0.0000498 | 0.000363 | 0.000199 | 0.134 | 0.00000646 | 0.000299 | 0.00053 | 0.00191 | 0.00147 |
| 2034 Dec | 0.00000373 | 3.78 | 0.00336 | 4.51 | 0.074 | 0.0015 | 2.71 | 0.0054 | 0.0056 | 0.0000498 | 0.000363 | 0.000199 | 0.134 | 0.00000646 | 0.000299 | 0.00053 | 0.00191 | 0.00147 |
| 2035 Jan | 0.00000373 | 3.78 | 0.00336 | 4.51 | 0.074 | 0.0015 | 2.71 | 0.0054 | 0.0056 | 0.0000498 | 0.000363 | 0.000199 | 0.134 | 0.00000646 | 0.000299 | 0.00053 | 0.00191 | 0.00147 |
| 2035 Feb | 0.00000373 | 3.78 | 0.00336 | 4.51 | 0.074 | 0.0015 | 2.71 | 0.0054 | 0.0056 | 0.0000498 | 0.000363 | 0.000199 | 0.134 | 0.00000646 | 0.000299 | 0.00053 | 0.00191 | 0.00147 |
| 2035 Mar | 0.00000373 | 3.78 | 0.00336 | 4.51 | 0.074 | 0.0015 | 2.71 | 0.0054 | 0.0056 | 0.0000498 | 0.000363 | 0.000199 | 0.134 | 0.00000646 | 0.000299 | 0.00053 | 0.00191 | 0.00147 |
| 2035 Apr | 0.00000373 | 3.78 | 0.00336 | 4.51 | 0.0741 | 0.0015 | 2.71 | 0.00541 | 0.00561 | 0.0000498 | 0.000364 | 0.000199 | 0.134 | 0.00000646 | 0.000299 | 0.00053 | 0.00191 | 0.00147 |
| 2035 May | 0.00000375 | 3.8 | 0.00338 | 4.53 | 0.0745 | 0.00151 | 2.72 | 0.00543 | 0.00564 | 0.0000501 | 0.000366 | 0.0002 | 0.135 | 0.0000065 | 0.0003 | 0.000533 | 0.00192 | 0.00147 |
| 2035 Jun | 0.00000357 | 3.72 | 0.0033 | 4.42 | 0.0704 | 0.00143 | 2.66 | 0.00496 | 0.00546 | 0.0000475 | 0.000344 | 0.000192 | 0.132 | 0.00000626 | 0.000283 | 0.000495 | 0.00185 | 0.00129 |
| 2035 Jul | 0.00000359 | 3.76 | 0.00334 | 4.47 | 0.0706 | 0.00143 | 2.69 | 0.00493 | 0.00551 | 0.0000477 | 0.000345 | 0.000193 | 0.133 | 0.00000631 | 0.000283 | 0.000495 | 0.00187 | 0.00127 |
| 2035 Aug | 0.00000362 | 3.8 | 0.00338 | 4.52 | 0.0712 | 0.00144 | 2.72 | 0.00496 | 0.00557 | 0.0000481 | 0.000347 | 0.000195 | 0.135 | 0.00000638 | 0.000286 | 0.000498 | 0.00189 | 0.00127 |
| 2035 Sep | 0.00000356 | 3.77 | 0.00335 | 4.48 | 0.0699 | 0.00142 | 2.69 | 0.00483 | 0.00551 | 0.0000473 | 0.000341 | 0.000192 | 0.134 | 0.0000063 | 0.00028 | 0.000487 | 0.00187 | 0.00122 |
| 2035 Oct | 0.00000352 | 3.74 | 0.00332 | 4.44 | 0.0689 | 0.0014 | 2.67 | 0.00472 | 0.00546 | 0.0000467 | 0.000336 | 0.000189 | 0.133 | 0.00000623 | 0.000276 | 0.000478 | 0.00185 | 0.00118 |
| 2035 Nov | 0.0000035 | 3.73 | 0.00331 | 4.43 | 0.0686 | 0.00139 | 2.66 | 0.00469 | 0.00544 | 0.0000466 | 0.000334 | 0.000189 | 0.132 | 0.00000621 | 0.000275 | 0.000475 | 0.00184 | 0.00117 |
| 2035 Dec | 0.0000035 | 3.73 | 0.00331 | 4.43 | 0.0686 | 0.00139 | 2.66 | 0.00469 | 0.00544 | 0.0000466 | 0.000334 | 0.000189 | 0.132 | 0.00000621 | 0.000275 | 0.000475 | 0.00184 | 0.00117 |
| 2036 Jan | 0.0000035 | 3.73 | 0.00331 | 4.43 | 0.0686 | 0.00139 | 2.66 | 0.00469 | 0.00544 | 0.0000466 | 0.000334 | 0.000189 | 0.132 | 0.00000621 | 0.000275 | 0.000475 | 0.00184 | 0.00116 |
| 2036 Feb | 0.0000035 | 3.73 | 0.00331 | 4.43 | 0.0686 | 0.00139 | 2.66 | 0.00469 | 0.00544 | 0.0000466 | 0.000334 | 0.000189 | 0.132 | 0.00000621 | 0.000275 | 0.000475 | 0.00184 | 0.00116 |
| 2036 Mar | 0.0000035 | 3.73 | 0.00331 | 4.43 | 0.0686 | 0.00139 | 2.66 | 0.00469 | 0.00544 | 0.0000466 | 0.000334 | 0.000189 | 0.132 | 0.00000621 | 0.000275 | 0.000475 | 0.00184 | 0.00116 |
| 2036 Apr | 0.00000351 | 3.74 | 0.00332 | 4.43 | 0.0687 | 0.00139 | 2.67 | 0.0047 | 0.00545 | 0.0000466 | 0.000334 | 0.000189 | 0.133 | 0.00000622 | 0.000275 | 0.000476 | 0.00184 | 0.00117 |
| 2036 May | 0.00000353 | 3.76 | 0.00334 | 4.46 | 0.0691 | 0.0014 | 2.68 | 0.00472 | 0.00548 | 0.0000469 | 0.000336 | 0.00019 | 0.133 | 0.00000626 | 0.000277 | 0.000479 | 0.00185 | 0.00117 |
| 2036 Jun | 0.00000342 | 3.71 | 0.00329 | 4.39 | 0.0666 | 0.00135 | 2.64 | 0.00443 | 0.00537 | 0.0000453 | 0.000323 | 0.000185 | 0.132 | 0.00000612 | 0.000266 | 0.000455 | 0.00181 | 0.00106 |
| 2036 Jul | 0.00000338 | 3.71 | 0.00329 | 4.39 | 0.0658 | 0.00133 | 2.64 | 0.00431 | 0.00536 | 0.0000448 | 0.000318 | 0.000183 | 0.132 | 0.00000608 | 0.000262 | 0.000446 | 0.00181 | 0.00101 |
| 2036 Aug | 0.00000342 | 3.76 | 0.00333 | 4.44 | 0.0665 | 0.00135 | 2.68 | 0.00435 | 0.00542 | 0.0000453 | 0.000322 | 0.000185 | 0.133 | 0.00000616 | 0.000265 | 0.00045 | 0.00183 | 0.00101 |
| 2036 Sep | 0.00000342 | 3.77 | 0.00334 | 4.45 | 0.0664 | 0.00135 | 2.68 | 0.00433 | 0.00543 | 0.0000452 | 0.000321 | 0.000185 | 0.134 | 0.00000616 | 0.000264 | 0.000449 | 0.00183 | 0.000999 |
| 2036 Oct | 0.00000338 | 3.74 | 0.00332 | 4.42 | 0.0656 | 0.00133 | 2.66 | 0.00424 | 0.00538 | 0.0000447 | 0.000317 | 0.000183 | 0.133 | 0.00000611 | 0.000261 | 0.000442 | 0.00181 | 0.000968 |
| 2036 Nov | 0.00000338 | 3.74 | 0.00332 | 4.42 | 0.0655 | 0.00133 | 2.66 | 0.00424 | 0.00538 | 0.0000448 | 0.000317 | 0.000183 | 0.133 | 0.00000611 | 0.000261 | 0.000442 | 0.00181 | 0.000966 |
| 2036 Dec | 0.00000338 | 3.74 | 0.00332 | 4.42 | 0.0655 | 0.00133 | 2.66 | 0.00424 | 0.00539 | 0.0000448 | 0.000317 | 0.000183 | 0.133 | 0.00000611 | 0.000261 | 0.000442 | 0.00181 | 0.000966 |
| 2037 Jan | 0.00000338 | 3.74 | 0.00332 | 4.42 | 0.0655 | 0.00133 | 2.66 | 0.00424 | 0.00539 | 0.0000448 | 0.000317 | 0.000183 | 0.133 | 0.00000611 | 0.000261 | 0.000442 | 0.00181 | 0.000966 |
| 2037 Feb | 0.00000338 | 3.74 | 0.00332 | 4.42 | 0.0655 | 0.00133 | 2.66 | 0.00424 | 0.00539 | 0.0000448 | 0.000317 | 0.000183 | 0.133 | 0.00000611 | 0.000261 | 0.000442 | 0.00181 | 0.000965 |
| 2037 Mar | 0.00000338 | 3.74 | 0.00332 | 4.42 | 0.0656 | 0.00133 | 2.66 | 0.00424 | 0.00539 | 0.0000448 | 0.000317 | 0.000183 | 0.133 | 0.00000611 | 0.000261 | 0.000442 | 0.00181 | 0.000966 |
| 2037 Apr | 0.00000338 | 3.75 | 0.00332 | 4.42 | 0.0656 | 0.00133 | 2.67 | 0.00424 | 0.00539 | 0.0000448 | 0.000317 | 0.000183 | 0.133 | 0.00000611 | 0.000261 | 0.000442 | 0.00181 | 0.000966 |
| 2037 May | 0.00000336 | 3.74 | 0.00331 | 4.41 | 0.065 | 0.00132 | 2.66 | 0.00416 | 0.00537 | 0.0000444 | 0.000314 | 0.000182 | 0.133 | 0.00000608 | 0.000258 | 0.000436 | 0.00181 | 0.000934 |
| 2037 Jun | 0.00000316 | 3.6 | 0.00319 | 4.24 | 0.0607 | 0.00123 | 2.56 | 0.00373 | 0.00513 | 0.0000415 | 0.000291 | 0.000172 | 0.128 | 0.00000578 | 0.00024 | 0.000399 | 0.00172 | 0.000779 |
| 2037 Jul | 0.00000316 | 3.62 | 0.00321 | 4.26 | 0.0607 | 0.00123 | 2.57 | 0.00371 | 0.00515 | 0.0000416 | 0.000291 | 0.000173 | 0.129 | 0.00000581 | 0.00024 | 0.000399 | 0.00173 | 0.000764 |
| 2037 Aug | 0.0000032 | 3.67 | 0.00325 | 4.32 | 0.0614 | 0.00124 | 2.6 | 0.00374 | 0.00522 | 0.0000421 | 0.000294 | 0.000175 | 0.13 | 0.00000588 | 0.000242 | 0.000402 | 0.00175 | 0.000767 |
| 2037 Sep | 0.00000322 | 3.7 | 0.00327 | 4.35 | 0.0618 | 0.00125 | 2.63 | 0.00376 | 0.00526 | 0.0000424 | 0.000296 | 0.000176 | 0.131 | 0.00000592 | 0.000244 | 0.000405 | 0.00176 | 0.000768 |
| 2037 Oct | 0.00000322 | 3.7 | 0.00327 | 4.35 | 0.0616 | 0.00125 | 2.63 | 0.00374 | 0.00525 | 0.0000423 | 0.000295 | 0.000176 | 0.131 | 0.00000592 | 0.000243 | 0.000403 | 0.00176 | 0.000759 |
| 2037 Nov | 0.00000321 | 3.7 | 0.00327 | 4.35 | 0.0616 | 0.00125 | 2.63 | 0.00374 | 0.00525 | 0.0000423 | 0.000295 | 0.000176 | 0.131 | 0.00000591 | 0.000243 | 0.000403 | 0.00176 | 0.000757 |
| 2037 Dec | 0.00000321 | 3.7 | 0.00327 | 4.35 | 0.0616 | 0.00125 | 2.63 | 0.00374 | 0.00525 | 0.0000423 | 0.000295 | 0.000176 | 0.131 | 0.00000592 | 0.000243 | 0.000403 | 0.00176 | 0.000757 |
| 2038 Jan | 0.00000321 | 3.7 | 0.00327 | 4.35 | 0.0616 | 0.00125 | 2.63 | 0.00374 | 0.00525 | 0.0000423 | 0.000295 | 0.000176 | 0.131 | 0.00000592 | 0.000243 | 0.000403 | 0.00176 | 0.000757 |
| 2038 Feb | 0.00000321 | 3.7 | 0.00327 | 4.35 | 0.0616 | 0.00125 | 2.63 | 0.00374 | 0.00525 | 0.0000423 | 0.000295 | 0.000176 | 0.131 | 0.00000592 | 0.000243 | 0.000403 | 0.00176 | 0.000757 |
| 2038 Mar | 0.00000321 | 3.7 | 0.00327 | 4.35 | 0.0616 | 0.00125 | 2.63 | 0.00374 | 0.00525 | 0.0000423 | 0.000295 | 0.000176 | 0.131 | 0.00000592 | 0.000243 | 0.000403 | 0.00176 | 0.000757 |
| 2038 Apr | 0.00000322 | 3.7 | 0.00327 | 4.35 | 0.0616 | 0.00125 | 2.63 | 0.00374 | 0.00526 | 0.0000423 | 0.000295 | 0.000176 | 0.131 | 0.00000592 | 0.000243 | 0.000403 | 0.00176 | 0.000757 |
| 2038 May | 0.00000321 | 3.71 | 0.00328 | 4.36 | 0.0615 | 0.00124 | 2.63 | 0.00371 | 0.00526 | 0.0000423 | 0.000295 | 0.000176 | 0.131 | 0.00000592 | 0.000243 | 0.000401 | 0.00176 | 0.000744 |
| 2038 Jun | 0.0000031 | 3.64 | 0.00321 | 4.27 | 0.0591 | 0.0012 | 2.58 | 0.00347 | 0.00513 | 0.0000407 | 0.000282 | 0.00017 | 0.129 | 0.00000576 | 0.000233 | 0.000381 | 0.00172 | 0.000655 |
| 2038 Jul | 0.00000317 | 3.72 | 0.00329 | 4.36 | 0.0604 | 0.00122 | 2.64 | 0.00353 | 0.00525 | 0.0000415 | 0.000288 | 0.000174 | 0.132 | 0.00000589 | 0.000237 | 0.000388 | 0.00175 | 0.000663 |
| 2038 Aug | 0.00000322 | 3.78 | 0.00334 | 4.43 | 0.0612 | 0.00124 | 2.68 | 0.00357 | 0.00533 | 0.0000421 | 0.000292 | 0.000176 | 0.134 | 0.00000598 | 0.000241 | 0.000393 | 0.00178 | 0.000667 |
| 2038 Sep | 0.00000322 | 3.79 | 0.00335 | 4.44 | 0.0613 | 0.00124 | 2.68 | 0.00357 | 0.00534 | 0.0000422 | 0.000292 | 0.000176 | 0.134 | 0.00000599 | 0.000241 | 0.000393 | 0.00178 | 0.000662 |
| 2038 Oct | 0.00000319 | 3.77 | 0.00333 | 4.42 | 0.0608 | 0.00123 | 2.67 | 0.00352 | 0.0053 | 0.0000419 | 0.00029 | 0.000175 | 0.134 | 0.00000595 | 0.000239 | 0.000389 | 0.00177 | 0.000648 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 0.0000032 | 3.77 | 0.00333 | 4.42 | 0.0608 | 0.00123 | 2.67 | 0.00353 | 0.00531 | 0.0000419 | 0.00029 | 0.000175 | 0.134 | 0.00000595 | 0.000239 | 0.000389 | 0.00177 | 0.000648 |
| 2038 Dec | 0.0000032 | 3.77 | 0.00333 | 4.42 | 0.0608 | 0.00123 | 2.67 | 0.00353 | 0.00531 | 0.0000419 | 0.00029 | 0.000175 | 0.134 | 0.00000595 | 0.000239 | 0.000389 | 0.00177 | 0.000648 |
| 2039 Jan | 0.0000032 | 3.77 | 0.00333 | 4.42 | 0.0608 | 0.00123 | 2.67 | 0.00353 | 0.00531 | 0.0000419 | 0.00029 | 0.000175 | 0.134 | 0.00000595 | 0.000239 | 0.000389 | 0.00177 | 0.000648 |
| 2039 Feb | 0.0000032 | 3.77 | 0.00333 | 4.42 | 0.0608 | 0.00123 | 2.67 | 0.00353 | 0.00531 | 0.0000419 | 0.00029 | 0.000175 | 0.134 | 0.00000595 | 0.000239 | 0.000389 | 0.00177 | 0.000648 |
| 2039 Mar | 0.0000032 | 3.77 | 0.00333 | 4.42 | 0.0608 | 0.00123 | 2.67 | 0.00353 | 0.00531 | 0.0000419 | 0.00029 | 0.000175 | 0.134 | 0.00000595 | 0.000239 | 0.000389 | 0.00177 | 0.000648 |
| 2039 Apr | 0.0000032 | 3.77 | 0.00333 | 4.42 | 0.0608 | 0.00123 | 2.67 | 0.00353 | 0.00531 | 0.0000419 | 0.00029 | 0.000175 | 0.134 | 0.00000596 | 0.000239 | 0.000389 | 0.00177 | 0.000648 |
| 2039 May | 0.00000321 | 3.79 | 0.00334 | 4.44 | 0.0611 | 0.00123 | 2.68 | 0.00354 | 0.00533 | 0.0000421 | 0.000291 | 0.000176 | 0.134 | 0.00000598 | 0.00024 | 0.000391 | 0.00178 | 0.00065 |
| 2039 Jun | 0.00000312 | 3.72 | 0.00329 | 4.36 | 0.0591 | 0.00119 | 2.64 | 0.00335 | 0.00522 | 0.0000408 | 0.000281 | 0.000171 | 0.132 | 0.00000584 | 0.000232 | 0.000374 | 0.00174 | 0.000582 |
| 2039 Jul | 0.00000309 | 3.72 | 0.00328 | 4.35 | 0.0584 | 0.00118 | 2.63 | 0.00326 | 0.0052 | 0.0000403 | 0.000277 | 0.00017 | 0.132 | 0.00000581 | 0.000229 | 0.000368 | 0.00173 | 0.000545 |
| 2039 Aug | 0.00000312 | 3.76 | 0.00332 | 4.4 | 0.059 | 0.00119 | 2.66 | 0.00328 | 0.00527 | 0.0000407 | 0.00028 | 0.000172 | 0.133 | 0.00000588 | 0.000231 | 0.000371 | 0.00175 | 0.000542 |
| 2039 Sep | 0.00000314 | 3.78 | 0.00334 | 4.42 | 0.0592 | 0.0012 | 2.68 | 0.00328 | 0.00529 | 0.0000409 | 0.000281 | 0.000173 | 0.134 | 0.00000591 | 0.000232 | 0.000372 | 0.00176 | 0.000539 |
| 2039 Oct | 0.00000313 | 3.78 | 0.00334 | 4.42 | 0.0592 | 0.00119 | 2.67 | 0.00327 | 0.00528 | 0.0000408 | 0.00028 | 0.000173 | 0.134 | 0.0000059 | 0.000231 | 0.000371 | 0.00176 | 0.000536 |
| 2039 Nov | 0.00000313 | 3.78 | 0.00334 | 4.42 | 0.0592 | 0.0012 | 2.68 | 0.00328 | 0.00529 | 0.0000409 | 0.000281 | 0.000173 | 0.134 | 0.00000591 | 0.000231 | 0.000371 | 0.00176 | 0.000536 |
| 2039 Dec | 0.00000313 | 3.78 | 0.00334 | 4.42 | 0.0592 | 0.0012 | 2.68 | 0.00328 | 0.00529 | 0.0000409 | 0.000281 | 0.000173 | 0.134 | 0.00000591 | 0.000231 | 0.000371 | 0.00176 | 0.000536 |
| 2040 Jan | 0.00000313 | 3.78 | 0.00334 | 4.42 | 0.0592 | 0.0012 | 2.68 | 0.00328 | 0.00529 | 0.0000409 | 0.000281 | 0.000173 | 0.134 | 0.00000591 | 0.000231 | 0.000371 | 0.00176 | 0.000536 |
| 2040 Feb | 0.00000313 | 3.78 | 0.00334 | 4.42 | 0.0592 | 0.0012 | 2.68 | 0.00328 | 0.00529 | 0.0000409 | 0.000281 | 0.000173 | 0.134 | 0.00000591 | 0.000231 | 0.000371 | 0.00176 | 0.000536 |
| 2040 Mar | 0.00000314 | 3.78 | 0.00334 | 4.43 | 0.0592 | 0.0012 | 2.68 | 0.00328 | 0.00529 | 0.0000409 | 0.000281 | 0.000173 | 0.134 | 0.00000591 | 0.000232 | 0.000371 | 0.00176 | 0.000536 |
| 2040 Apr | 0.00000314 | 3.78 | 0.00334 | 4.43 | 0.0592 | 0.0012 | 2.68 | 0.00328 | 0.00529 | 0.0000409 | 0.000281 | 0.000173 | 0.134 | 0.00000591 | 0.000232 | 0.000371 | 0.00176 | 0.000536 |
| 2040 May | 0.00000314 | 3.79 | 0.00335 | 4.44 | 0.0593 | 0.0012 | 2.68 | 0.00328 | 0.0053 | 0.0000409 | 0.000281 | 0.000173 | 0.134 | 0.00000592 | 0.000232 | 0.000371 | 0.00177 | 0.000533 |
| 2040 Jun | 0.00000304 | 3.71 | 0.00327 | 4.34 | 0.0571 | 0.00115 | 2.62 | 0.00307 | 0.00517 | 0.0000394 | 0.00027 | 0.000168 | 0.132 | 0.00000576 | 0.000223 | 0.000353 | 0.00172 | 0.000462 |
| 2040 Jul | 0.00000306 | 3.75 | 0.0033 | 4.38 | 0.0574 | 0.00116 | 2.65 | 0.00308 | 0.00521 | 0.0000397 | 0.000271 | 0.000169 | 0.133 | 0.0000058 | 0.000224 | 0.000355 | 0.00173 | 0.000457 |
| 2040 Aug | 0.00000308 | 3.78 | 0.00333 | 4.41 | 0.0578 | 0.00117 | 2.67 | 0.00309 | 0.00525 | 0.00004 | 0.000273 | 0.00017 | 0.134 | 0.00000585 | 0.000225 | 0.000357 | 0.00175 | 0.000454 |
| 2040 Sep | 0.00000307 | 3.77 | 0.00333 | 4.4 | 0.0576 | 0.00116 | 2.67 | 0.00306 | 0.00524 | 0.0000398 | 0.000272 | 0.00017 | 0.134 | 0.00000584 | 0.000224 | 0.000355 | 0.00174 | 0.000444 |
| 2040 Oct | 0.00000308 | 3.79 | 0.00334 | 4.42 | 0.0578 | 0.00117 | 2.68 | 0.00307 | 0.00526 | 0.00004 | 0.000273 | 0.00017 | 0.134 | 0.00000586 | 0.000225 | 0.000356 | 0.00175 | 0.000445 |
| 2040 Nov | 0.00000308 | 3.79 | 0.00334 | 4.42 | 0.0578 | 0.00117 | 2.68 | 0.00307 | 0.00527 | 0.00004 | 0.000273 | 0.00017 | 0.134 | 0.00000586 | 0.000225 | 0.000356 | 0.00175 | 0.000445 |
| 2040 Dec | 0.00000308 | 3.79 | 0.00334 | 4.42 | 0.0578 | 0.00117 | 2.68 | 0.00307 | 0.00527 | 0.00004 | 0.000273 | 0.00017 | 0.134 | 0.00000586 | 0.000225 | 0.000356 | 0.00175 | 0.000445 |
| 2041 Jan | 0.00000308 | 3.79 | 0.00334 | 4.42 | 0.0578 | 0.00117 | 2.68 | 0.00307 | 0.00527 | 0.00004 | 0.000273 | 0.00017 | 0.134 | 0.00000586 | 0.000225 | 0.000356 | 0.00175 | 0.000445 |
| 2041 Feb | 0.00000308 | 3.79 | 0.00334 | 4.42 | 0.0578 | 0.00117 | 2.68 | 0.00307 | 0.00527 | 0.00004 | 0.000273 | 0.00017 | 0.134 | 0.00000586 | 0.000225 | 0.000356 | 0.00175 | 0.000445 |
| 2041 Mar | 0.00000308 | 3.79 | 0.00334 | 4.42 | 0.0578 | 0.00117 | 2.68 | 0.00307 | 0.00527 | 0.00004 | 0.000273 | 0.00017 | 0.134 | 0.00000586 | 0.000225 | 0.000356 | 0.00175 | 0.000445 |
| 2041 Apr | 0.00000308 | 3.79 | 0.00334 | 4.43 | 0.0578 | 0.00117 | 2.68 | 0.00307 | 0.00527 | 0.00004 | 0.000273 | 0.00017 | 0.134 | 0.00000586 | 0.000225 | 0.000356 | 0.00175 | 0.000445 |
| 2041 May | 0.00000309 | 3.8 | 0.00335 | 4.44 | 0.058 | 0.00117 | 2.69 | 0.00308 | 0.00528 | 0.0000401 | 0.000274 | 0.000171 | 0.135 | 0.00000588 | 0.000226 | 0.000357 | 0.00175 | 0.000446 |
| 2041 Jun | 0.00000304 | 3.76 | 0.00332 | 4.39 | 0.057 | 0.00115 | 2.66 | 0.00298 | 0.00522 | 0.0000394 | 0.000268 | 0.000168 | 0.133 | 0.0000058 | 0.000222 | 0.000348 | 0.00173 | 0.000412 |
| 2041 Jul | 0.00000301 | 3.74 | 0.0033 | 4.37 | 0.0562 | 0.00113 | 2.64 | 0.00291 | 0.00518 | 0.0000389 | 0.000265 | 0.000167 | 0.133 | 0.00000576 | 0.000218 | 0.000342 | 0.00172 | 0.000383 |
| 2041 Aug | 0.00000301 | 3.75 | 0.00331 | 4.38 | 0.0562 | 0.00113 | 2.65 | 0.00289 | 0.00519 | 0.0000389 | 0.000264 | 0.000167 | 0.133 | 0.00000576 | 0.000218 | 0.000341 | 0.00172 | 0.000373 |
| 2041 Sep | 0.00000301 | 3.76 | 0.00331 | 4.38 | 0.0562 | 0.00113 | 2.65 | 0.00288 | 0.0052 | 0.0000389 | 0.000264 | 0.000167 | 0.133 | 0.00000577 | 0.000218 | 0.000341 | 0.00172 | 0.000369 |
| 2041 Oct | 0.00000299 | 3.74 | 0.00329 | 4.36 | 0.0558 | 0.00113 | 2.64 | 0.00285 | 0.00517 | 0.0000387 | 0.000262 | 0.000166 | 0.133 | 0.00000574 | 0.000217 | 0.000338 | 0.00171 | 0.000361 |
| 2041 Nov | 0.00000299 | 3.74 | 0.0033 | 4.36 | 0.0559 | 0.00113 | 2.64 | 0.00286 | 0.00517 | 0.0000387 | 0.000263 | 0.000166 | 0.133 | 0.00000574 | 0.000217 | 0.000338 | 0.00172 | 0.000362 |
| 2041 Dec | 0.00000299 | 3.74 | 0.0033 | 4.36 | 0.0559 | 0.00113 | 2.64 | 0.00286 | 0.00517 | 0.0000387 | 0.000263 | 0.000166 | 0.133 | 0.00000574 | 0.000217 | 0.000338 | 0.00172 | 0.000362 |
| 2042 Jan | 0.00000299 | 3.74 | 0.0033 | 4.36 | 0.0559 | 0.00113 | 2.64 | 0.00286 | 0.00517 | 0.0000387 | 0.000263 | 0.000166 | 0.133 | 0.00000574 | 0.000217 | 0.000338 | 0.00172 | 0.000362 |
| 2042 Feb | 0.00000299 | 3.74 | 0.0033 | 4.36 | 0.0559 | 0.00113 | 2.64 | 0.00286 | 0.00517 | 0.0000387 | 0.000263 | 0.000166 | 0.133 | 0.00000574 | 0.000217 | 0.000338 | 0.00172 | 0.000361 |
| 2042 Mar | 0.00000299 | 3.74 | 0.0033 | 4.36 | 0.0559 | 0.00113 | 2.64 | 0.00286 | 0.00517 | 0.0000387 | 0.000263 | 0.000166 | 0.133 | 0.00000574 | 0.000217 | 0.000338 | 0.00172 | 0.000362 |
| 2042 Apr | 0.000003 | 3.75 | 0.0033 | 4.37 | 0.0559 | 0.00113 | 2.64 | 0.00286 | 0.00518 | 0.0000387 | 0.000263 | 0.000166 | 0.133 | 0.00000575 | 0.000217 | 0.000338 | 0.00172 | 0.000362 |
| 2042 May | 0.00000301 | 3.76 | 0.00332 | 4.39 | 0.0562 | 0.00113 | 2.66 | 0.00287 | 0.0052 | 0.0000389 | 0.000264 | 0.000167 | 0.133 | 0.00000577 | 0.000218 | 0.00034 | 0.00173 | 0.000363 |
| 2042 Jun | 0.00000295 | 3.72 | 0.00327 | 4.33 | 0.055 | 0.00111 | 2.62 | 0.00277 | 0.00513 | 0.0000381 | 0.000258 | 0.000164 | 0.132 | 0.00000568 | 0.000213 | 0.000331 | 0.0017 | 0.000329 |
| 2042 Jul | 0.00000292 | 3.7 | 0.00326 | 4.3 | 0.0543 | 0.00109 | 2.61 | 0.0027 | 0.00509 | 0.0000377 | 0.000255 | 0.000162 | 0.131 | 0.00000564 | 0.00021 | 0.000325 | 0.00169 | 0.000305 |
| 2042 Aug | 0.00000291 | 3.68 | 0.00324 | 4.29 | 0.054 | 0.00109 | 2.6 | 0.00267 | 0.00507 | 0.0000375 | 0.000253 | 0.000162 | 0.131 | 0.00000561 | 0.000209 | 0.000322 | 0.00168 | 0.000293 |
| 2042 Sep | 0.0000029 | 3.68 | 0.00324 | 4.28 | 0.0538 | 0.00108 | 2.59 | 0.00265 | 0.00506 | 0.0000373 | 0.000252 | 0.000161 | 0.13 | 0.0000056 | 0.000208 | 0.00032 | 0.00167 | 0.000286 |
| 2042 Oct | 0.00000285 | 3.62 | 0.00319 | 4.21 | 0.0528 | 0.00106 | 2.55 | 0.00258 | 0.00498 | 0.0000367 | 0.000247 | 0.000158 | 0.128 | 0.00000551 | 0.000204 | 0.000314 | 0.00165 | 0.000271 |
| 2042 Nov | 0.00000285 | 3.62 | 0.00319 | 4.22 | 0.0528 | 0.00106 | 2.56 | 0.00258 | 0.00498 | 0.0000368 | 0.000247 | 0.000158 | 0.128 | 0.00000551 | 0.000204 | 0.000314 | 0.00165 | 0.000271 |
| 2042 Dec | 0.00000285 | 3.62 | 0.00319 | 4.22 | 0.0528 | 0.00106 | 2.56 | 0.00258 | 0.00498 | 0.0000368 | 0.000247 | 0.000158 | 0.128 | 0.00000551 | 0.000204 | 0.000314 | 0.00165 | 0.000271 |
| 2043 Jan | 0.00000285 | 3.62 | 0.00319 | 4.22 | 0.0528 | 0.00106 | 2.56 | 0.00258 | 0.00498 | 0.0000368 | 0.000247 | 0.000158 | 0.128 | 0.00000551 | 0.000204 | 0.000314 | 0.00165 | 0.000271 |
| 2043 Feb | 0.00000285 | 3.62 | 0.00319 | 4.22 | 0.0528 | 0.00106 | 2.56 | 0.00258 | 0.00498 | 0.0000368 | 0.000247 | 0.000158 | 0.128 | 0.00000551 | 0.000204 | 0.000314 | 0.00165 | 0.000271 |
| 2043 Mar | 0.00000285 | 3.62 | 0.00319 | 4.22 | 0.0528 | 0.00106 | 2.56 | 0.00258 | 0.00498 | 0.0000368 | 0.000247 | 0.000158 | 0.128 | 0.00000551 | 0.000204 | 0.000314 | 0.00165 | 0.000271 |
| 2043 Apr | 0.00000285 | 3.63 | 0.0032 | 4.22 | 0.0529 | 0.00107 | 2.56 | 0.00259 | 0.00499 | 0.0000368 | 0.000248 | 0.000159 | 0.129 | 0.00000552 | 0.000204 | 0.000314 | 0.00165 | 0.000271 |
| 2043 May | 0.00000286 | 3.65 | 0.00321 | 4.24 | 0.0531 | 0.00107 | 2.57 | 0.00259 | 0.00501 | 0.000037 | 0.000248 | 0.000159 | 0.129 | 0.00000554 | 0.000205 | 0.000315 | 0.00166 | 0.00027 |
| 2043 Jun | 0.00000279 | 3.58 | 0.00315 | 4.16 | 0.0515 | 0.00104 | 2.52 | 0.00247 | 0.0049 | 0.0000359 | 0.000241 | 0.000155 | 0.127 | 0.00000542 | 0.000199 | 0.000304 | 0.00162 | 0.000232 |
| 2043 Jul | 0.00000283 | 3.63 | 0.0032 | 4.22 | 0.0523 | 0.00105 | 2.56 | 0.0025 | 0.00498 | 0.0000365 | 0.000244 | 0.000158 | 0.129 | 0.0000055 | 0.000202 | 0.000308 | 0.00165 | 0.000231 |
| 2043 Aug | 0.00000284 | 3.65 | 0.00321 | 4.24 | 0.0525 | 0.00106 | 2.57 | 0.0025 | 0.005 | 0.0000366 | 0.000245 | 0.000158 | 0.129 | 0.00000553 | 0.000202 | 0.000308 | 0.00165 | 0.000227 |
| 2043 Sep | 0.00000282 | 3.64 | 0.0032 | 4.22 | 0.0521 | 0.00105 | 2.56 | 0.00247 | 0.00498 | 0.0000363 | 0.000243 | 0.000157 | 0.129 | 0.0000055 | 0.000201 | 0.000306 | 0.00164 | 0.000219 |
| 2043 Oct | 0.00000282 | 3.64 | 0.0032 | 4.23 | 0.0522 | 0.00105 | 2.56 | 0.00247 | 0.00498 | 0.0000363 | 0.000243 | 0.000158 | 0.129 | 0.0000055 | 0.000201 | 0.000306 | 0.00165 | 0.000218 |
| 2043 Nov | 0.00000283 | 3.64 | 0.00321 | 4.23 | 0.0522 | 0.00105 | 2.57 | 0.00247 | 0.00499 | 0.0000364 | 0.000244 | 0.000158 | 0.129 | 0.00000551 | 0.000201 | 0.000306 | 0.00165 | 0.000219 |
| 2043 Dec | 0.00000283 | 3.64 | 0.00321 | 4.23 | 0.0522 | 0.00105 | 2.57 | 0.00247 | 0.00499 | 0.0000364 | 0.000244 | 0.000158 | 0.129 | 0.00000551 | 0.000201 | 0.000306 | 0.00165 | 0.000219 |
| 2044 Jan | 0.00000283 | 3.64 | 0.00321 | 4.23 | 0.0522 | 0.00105 | 2.57 | 0.00247 | 0.00499 | 0.0000364 | 0.000244 | 0.000158 | 0.129 | 0.00000551 | 0.000201 | 0.000306 | 0.00165 | 0.000219 |
| 2044 Feb | 0.00000283 | 3.64 | 0.00321 | 4.23 | 0.0522 | 0.00105 | 2.57 | 0.00247 | 0.00499 | 0.0000364 | 0.000244 | 0.000158 | 0.129 | 0.00000551 | 0.000201 | 0.000306 | 0.00165 | 0.000219 |
| 2044 Mar | 0.00000283 | 3.64 | 0.00321 | 4.23 | 0.0522 | 0.00105 | 2.57 | 0.00247 | 0.00499 | 0.0000364 | 0.000244 | 0.000158 | 0.129 | 0.00000551 | 0.000201 | 0.000306 | 0.00165 | 0.000219 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 0.00000283 | 3.64 | 0.00321 | 4.23 | 0.0523 | 0.00105 | 2.57 | 0.00247 | 0.00499 | 0.0000364 | 0.000244 | 0.000158 | 0.129 | 0.00000551 | 0.000201 | 0.000306 | 0.00165 | 0.000219 |
| 2044 May | 0.00000284 | 3.66 | 0.00322 | 4.25 | 0.0525 | 0.00106 | 2.58 | 0.00248 | 0.00501 | 0.0000366 | 0.000245 | 0.000158 | 0.13 | 0.00000553 | 0.000202 | 0.000308 | 0.00166 | 0.000219 |
| 2044 Jun | 0.00000277 | 3.59 | 0.00316 | 4.17 | 0.0511 | 0.00103 | 2.53 | 0.00238 | 0.00491 | 0.0000356 | 0.000238 | 0.000155 | 0.127 | 0.00000541 | 0.000197 | 0.000298 | 0.00162 | 0.000192 |
| 2044 Jul | 0.0000028 | 3.63 | 0.00319 | 4.22 | 0.0516 | 0.00104 | 2.56 | 0.0024 | 0.00496 | 0.000036 | 0.00024 | 0.000156 | 0.129 | 0.00000547 | 0.000198 | 0.0003 | 0.00164 | 0.000188 |
| 2044 Aug | 0.00000284 | 3.69 | 0.00324 | 4.28 | 0.0523 | 0.00105 | 2.6 | 0.00243 | 0.00504 | 0.0000365 | 0.000244 | 0.000159 | 0.131 | 0.00000555 | 0.000201 | 0.000304 | 0.00166 | 0.000189 |
| 2044 Sep | 0.00000282 | 3.66 | 0.00322 | 4.25 | 0.0519 | 0.00105 | 2.58 | 0.0024 | 0.00501 | 0.0000362 | 0.000242 | 0.000158 | 0.13 | 0.00000552 | 0.0002 | 0.000302 | 0.00165 | 0.000183 |
| 2044 Oct | 0.0000028 | 3.64 | 0.00321 | 4.23 | 0.0516 | 0.00104 | 2.57 | 0.00238 | 0.00498 | 0.000036 | 0.00024 | 0.000157 | 0.129 | 0.00000548 | 0.000198 | 0.000299 | 0.00164 | 0.000177 |
| 2044 Nov | 0.0000028 | 3.64 | 0.0032 | 4.23 | 0.0515 | 0.00104 | 2.56 | 0.00238 | 0.00497 | 0.000036 | 0.00024 | 0.000156 | 0.129 | 0.00000548 | 0.000198 | 0.000299 | 0.00164 | 0.000176 |
| 2044 Dec | 0.0000028 | 3.64 | 0.0032 | 4.23 | 0.0515 | 0.00104 | 2.56 | 0.00238 | 0.00497 | 0.000036 | 0.00024 | 0.000156 | 0.129 | 0.00000548 | 0.000198 | 0.000299 | 0.00164 | 0.000176 |
| 2045 Jan | 0.0000028 | 3.64 | 0.0032 | 4.23 | 0.0515 | 0.00104 | 2.56 | 0.00238 | 0.00497 | 0.000036 | 0.00024 | 0.000156 | 0.129 | 0.00000548 | 0.000198 | 0.000299 | 0.00164 | 0.000176 |
| 2045 Feb | 0.0000028 | 3.64 | 0.0032 | 4.23 | 0.0515 | 0.00104 | 2.56 | 0.00238 | 0.00497 | 0.000036 | 0.00024 | 0.000156 | 0.129 | 0.00000548 | 0.000198 | 0.000299 | 0.00164 | 0.000176 |
| 2045 Mar | 0.0000028 | 3.64 | 0.0032 | 4.23 | 0.0515 | 0.00104 | 2.56 | 0.00238 | 0.00497 | 0.000036 | 0.00024 | 0.000156 | 0.129 | 0.00000548 | 0.000198 | 0.000299 | 0.00164 | 0.000176 |
| 2045 Apr | 0.0000028 | 3.64 | 0.00321 | 4.23 | 0.0516 | 0.00104 | 2.57 | 0.00238 | 0.00498 | 0.0000361 | 0.00024 | 0.000157 | 0.129 | 0.00000548 | 0.000198 | 0.000299 | 0.00164 | 0.000176 |
| 2045 May | 0.00000281 | 3.66 | 0.00322 | 4.24 | 0.0518 | 0.00104 | 2.57 | 0.00239 | 0.00499 | 0.0000362 | 0.000241 | 0.000157 | 0.13 | 0.0000055 | 0.000199 | 0.0003 | 0.00165 | 0.000177 |
| 2045 Jun | 0.00000279 | 3.63 | 0.0032 | 4.22 | 0.0512 | 0.00103 | 2.56 | 0.00234 | 0.00496 | 0.0000358 | 0.000238 | 0.000156 | 0.129 | 0.00000546 | 0.000197 | 0.000296 | 0.00163 | 0.000163 |
| 2045 Jul | 0.00000282 | 3.69 | 0.00324 | 4.28 | 0.0519 | 0.00104 | 2.6 | 0.00236 | 0.00503 | 0.0000363 | 0.000241 | 0.000158 | 0.131 | 0.00000554 | 0.000199 | 0.0003 | 0.00166 | 0.00016 |
| 2045 Aug | 0.00000287 | 3.75 | 0.0033 | 4.35 | 0.0527 | 0.00106 | 2.64 | 0.0024 | 0.00511 | 0.0000369 | 0.000245 | 0.000161 | 0.133 | 0.00000563 | 0.000203 | 0.000304 | 0.00169 | 0.000162 |
| 2045 Sep | 0.00000288 | 3.76 | 0.00331 | 4.36 | 0.0529 | 0.00106 | 2.65 | 0.0024 | 0.00513 | 0.000037 | 0.000246 | 0.000161 | 0.133 | 0.00000564 | 0.000203 | 0.000305 | 0.00169 | 0.000161 |
| 2045 Oct | 0.00000288 | 3.77 | 0.00331 | 4.37 | 0.053 | 0.00107 | 2.65 | 0.00241 | 0.00514 | 0.000037 | 0.000246 | 0.000161 | 0.133 | 0.00000565 | 0.000203 | 0.000305 | 0.00169 | 0.00016 |
| 2045 Nov | 0.00000288 | 3.77 | 0.00332 | 4.37 | 0.053 | 0.00107 | 2.65 | 0.00241 | 0.00514 | 0.0000371 | 0.000246 | 0.000161 | 0.134 | 0.00000566 | 0.000204 | 0.000306 | 0.00169 | 0.000161 |
| 2045 Dec | 0.00000288 | 3.77 | 0.00332 | 4.37 | 0.053 | 0.00107 | 2.65 | 0.00241 | 0.00514 | 0.0000371 | 0.000246 | 0.000161 | 0.134 | 0.00000566 | 0.000204 | 0.000306 | 0.00169 | 0.000161 |
| 2046 Jan | 0.00000288 | 3.77 | 0.00332 | 4.37 | 0.053 | 0.00107 | 2.65 | 0.00241 | 0.00514 | 0.0000371 | 0.000246 | 0.000161 | 0.134 | 0.00000566 | 0.000204 | 0.000306 | 0.00169 | 0.000161 |
| 2046 Feb | 0.00000288 | 3.77 | 0.00332 | 4.37 | 0.053 | 0.00107 | 2.65 | 0.00241 | 0.00514 | 0.0000371 | 0.000246 | 0.000161 | 0.134 | 0.00000566 | 0.000204 | 0.000306 | 0.00169 | 0.000161 |
| 2046 Mar | 0.00000288 | 3.77 | 0.00332 | 4.37 | 0.053 | 0.00107 | 2.65 | 0.00241 | 0.00514 | 0.0000371 | 0.000246 | 0.000161 | 0.134 | 0.00000566 | 0.000204 | 0.000306 | 0.0017 | 0.000161 |
| 2046 Apr | 0.00000289 | 3.77 | 0.00332 | 4.38 | 0.0531 | 0.00107 | 2.66 | 0.00241 | 0.00515 | 0.0000371 | 0.000247 | 0.000162 | 0.134 | 0.00000567 | 0.000204 | 0.000306 | 0.0017 | 0.000161 |
| 2046 May | 0.0000029 | 3.79 | 0.00333 | 4.4 | 0.0533 | 0.00107 | 2.67 | 0.00242 | 0.00517 | 0.0000373 | 0.000248 | 0.000162 | 0.134 | 0.00000569 | 0.000205 | 0.000307 | 0.0017 | 0.000161 |
| 2046 Jun | 0.0000031 | 3.46 | 0.00309 | 4.09 | 0.05 | 0.00112 | 2.41 | 0.00343 | 0.00502 | 0.0000383 | 0.000243 | 0.000153 | 0.122 | 0.0000057 | 0.000208 | 0.000324 | 0.0017 | 0.000215 |
| 2046 Jul | 0.00000337 | 3.2 | 0.00291 | 3.85 | 0.0477 | 0.00118 | 2.21 | 0.00447 | 0.00495 | 0.0000401 | 0.000245 | 0.000146 | 0.112 | 0.00000583 | 0.000217 | 0.000347 | 0.00174 | 0.000276 |
| 2046 Aug | 0.00000345 | 3.21 | 0.00292 | 3.87 | 0.048 | 0.0012 | 2.21 | 0.0046 | 0.00499 | 0.0000407 | 0.000248 | 0.000148 | 0.112 | 0.00000592 | 0.000222 | 0.000355 | 0.00176 | 0.000283 |
| 2046 Sep | 0.00000354 | 3.08 | 0.00283 | 3.74 | 0.0468 | 0.00122 | 2.11 | 0.00502 | 0.00494 | 0.0000412 | 0.000247 | 0.000144 | 0.107 | 0.00000593 | 0.000224 | 0.000362 | 0.00177 | 0.000309 |
| 2046 Oct | 0.00000361 | 2.99 | 0.00276 | 3.66 | 0.046 | 0.00123 | 2.04 | 0.00531 | 0.0049 | 0.0000416 | 0.000247 | 0.000142 | 0.103 | 0.00000595 | 0.000226 | 0.000368 | 0.00177 | 0.000327 |
| 2046 Nov | 0.00000362 | 2.98 | 0.00276 | 3.66 | 0.046 | 0.00124 | 2.04 | 0.00534 | 0.00491 | 0.0000417 | 0.000247 | 0.000142 | 0.103 | 0.00000596 | 0.000226 | 0.000369 | 0.00177 | 0.000329 |
| 2046 Dec | 0.00000363 | 2.98 | 0.00276 | 3.66 | 0.046 | 0.00124 | 2.03 | 0.00534 | 0.00491 | 0.0000418 | 0.000247 | 0.000142 | 0.103 | 0.00000597 | 0.000227 | 0.00037 | 0.00178 | 0.000329 |
| 2047 Jan | 0.00000363 | 2.98 | 0.00276 | 3.66 | 0.046 | 0.00124 | 2.03 | 0.00534 | 0.00491 | 0.0000418 | 0.000247 | 0.000142 | 0.103 | 0.00000597 | 0.000227 | 0.00037 | 0.00178 | 0.000329 |
| 2047 Feb | 0.00000363 | 2.98 | 0.00276 | 3.66 | 0.046 | 0.00124 | 2.03 | 0.00534 | 0.00491 | 0.0000418 | 0.000247 | 0.000142 | 0.103 | 0.00000597 | 0.000227 | 0.00037 | 0.00178 | 0.000329 |
| 2047 Mar | 0.00000363 | 2.98 | 0.00276 | 3.66 | 0.046 | 0.00124 | 2.04 | 0.00535 | 0.00491 | 0.0000418 | 0.000247 | 0.000142 | 0.103 | 0.00000597 | 0.000227 | 0.00037 | 0.00178 | 0.000329 |
| 2047 Apr | 0.00000363 | 2.99 | 0.00276 | 3.66 | 0.046 | 0.00124 | 2.04 | 0.00535 | 0.00491 | 0.0000418 | 0.000247 | 0.000142 | 0.103 | 0.00000597 | 0.000227 | 0.00037 | 0.00178 | 0.000329 |
| 2047 May | 0.00000368 | 2.95 | 0.00274 | 3.63 | 0.0457 | 0.00125 | 2.01 | 0.0055 | 0.0049 | 0.0000421 | 0.000248 | 0.000141 | 0.102 | 0.00000599 | 0.000229 | 0.000374 | 0.00178 | 0.000338 |
| 2047 Jun | 0.00000387 | 2.67 | 0.00254 | 3.36 | 0.0431 | 0.00129 | 1.79 | 0.00637 | 0.0048 | 0.0000433 | 0.000245 | 0.000133 | 0.0913 | 0.00000605 | 0.000233 | 0.000391 | 0.0018 | 0.00039 |
| 2047 Jul | 0.00000399 | 2.73 | 0.00259 | 3.43 | 0.0439 | 0.00132 | 1.83 | 0.00646 | 0.00489 | 0.0000441 | 0.000251 | 0.000136 | 0.0931 | 0.00000619 | 0.00024 | 0.0004 | 0.00184 | 0.000393 |
| 2047 Aug | 0.00000406 | 2.77 | 0.00263 | 3.48 | 0.0444 | 0.00133 | 1.86 | 0.00651 | 0.00495 | 0.0000446 | 0.000255 | 0.000138 | 0.0944 | 0.00000627 | 0.000245 | 0.000406 | 0.00186 | 0.000395 |
| 2047 Sep | 0.00000404 | 2.74 | 0.0026 | 3.44 | 0.044 | 0.00133 | 1.83 | 0.00657 | 0.00493 | 0.0000446 | 0.000253 | 0.000136 | 0.0932 | 0.00000625 | 0.000243 | 0.000405 | 0.00186 | 0.000398 |
| 2047 Oct | 0.00000404 | 2.71 | 0.00258 | 3.42 | 0.0438 | 0.00133 | 1.81 | 0.00662 | 0.00492 | 0.0000447 | 0.000252 | 0.000135 | 0.0923 | 0.00000624 | 0.000242 | 0.000405 | 0.00185 | 0.000402 |
| 2047 Nov | 0.00000405 | 2.71 | 0.00258 | 3.42 | 0.0438 | 0.00133 | 1.81 | 0.00664 | 0.00492 | 0.0000447 | 0.000252 | 0.000135 | 0.0923 | 0.00000625 | 0.000242 | 0.000406 | 0.00185 | 0.000402 |
| 2047 Dec | 0.00000405 | 2.71 | 0.00258 | 3.42 | 0.0438 | 0.00133 | 1.81 | 0.00664 | 0.00492 | 0.0000448 | 0.000252 | 0.000135 | 0.0923 | 0.00000625 | 0.000242 | 0.000406 | 0.00186 | 0.000402 |
| 2048 Jan | 0.00000405 | 2.71 | 0.00258 | 3.42 | 0.0438 | 0.00133 | 1.81 | 0.00664 | 0.00492 | 0.0000448 | 0.000252 | 0.000135 | 0.0923 | 0.00000625 | 0.000242 | 0.000406 | 0.00186 | 0.000403 |
| 2048 Feb | 0.00000405 | 2.71 | 0.00258 | 3.42 | 0.0438 | 0.00133 | 1.81 | 0.00664 | 0.00492 | 0.0000448 | 0.000252 | 0.000135 | 0.0923 | 0.00000625 | 0.000242 | 0.000406 | 0.00186 | 0.000403 |
| 2048 Mar | 0.00000405 | 2.71 | 0.00258 | 3.42 | 0.0438 | 0.00133 | 1.81 | 0.00664 | 0.00492 | 0.0000448 | 0.000252 | 0.000135 | 0.0923 | 0.00000625 | 0.000242 | 0.000406 | 0.00186 | 0.000403 |
| 2048 Apr | 0.00000406 | 2.71 | 0.00258 | 3.42 | 0.0439 | 0.00133 | 1.81 | 0.00664 | 0.00492 | 0.0000448 | 0.000253 | 0.000136 | 0.0923 | 0.00000626 | 0.000243 | 0.000407 | 0.00186 | 0.000403 |
| 2048 May | 0.00000408 | 2.72 | 0.00259 | 3.44 | 0.044 | 0.00134 | 1.82 | 0.00667 | 0.00495 | 0.000045 | 0.000254 | 0.000136 | 0.0927 | 0.00000628 | 0.000244 | 0.000409 | 0.00187 | 0.000404 |
| 2048 Jun | 0.00000409 | 2.53 | 0.00244 | 3.22 | 0.0417 | 0.00132 | 1.68 | 0.00686 | 0.00479 | 0.0000445 | 0.000246 | 0.000129 | 0.0855 | 0.00000618 | 0.000241 | 0.000408 | 0.00183 | 0.000414 |
| 2048 Jul | 0.00000412 | 2.43 | 0.00237 | 3.12 | 0.0406 | 0.00131 | 1.61 | 0.00701 | 0.00474 | 0.0000445 | 0.000242 | 0.000125 | 0.082 | 0.00000616 | 0.00024 | 0.00041 | 0.00183 | 0.000422 |
| 2048 Aug | 0.00000419 | 2.48 | 0.00241 | 3.17 | 0.0412 | 0.00133 | 1.63 | 0.00707 | 0.0048 | 0.0000451 | 0.000247 | 0.000127 | 0.0833 | 0.00000626 | 0.000244 | 0.000416 | 0.00186 | 0.000425 |
| 2048 Sep | 0.00000422 | 2.5 | 0.00242 | 3.19 | 0.0415 | 0.00134 | 1.64 | 0.00709 | 0.00483 | 0.0000454 | 0.000248 | 0.000128 | 0.0839 | 0.0000063 | 0.000246 | 0.000418 | 0.00187 | 0.000425 |
| 2048 Oct | 0.0000042 | 2.46 | 0.0024 | 3.15 | 0.041 | 0.00133 | 1.62 | 0.00706 | 0.00479 | 0.0000455 | 0.000246 | 0.000126 | 0.0829 | 0.00000626 | 0.000244 | 0.000416 | 0.00186 | 0.000423 |
| 2048 Nov | 0.00000422 | 2.45 | 0.00239 | 3.14 | 0.0409 | 0.00133 | 1.61 | 0.00708 | 0.00478 | 0.0000459 | 0.000246 | 0.000126 | 0.0824 | 0.00000626 | 0.000245 | 0.000417 | 0.00186 | 0.000424 |
| 2048 Dec | 0.00000422 | 2.45 | 0.00239 | 3.14 | 0.0409 | 0.00133 | 1.61 | 0.00708 | 0.00478 | 0.0000459 | 0.000246 | 0.000126 | 0.0824 | 0.00000626 | 0.000245 | 0.000417 | 0.00186 | 0.000424 |
| 2049 Jan | 0.00000423 | 2.45 | 0.00239 | 3.14 | 0.0409 | 0.00133 | 1.61 | 0.00708 | 0.00478 | 0.0000459 | 0.000247 | 0.000126 | 0.0824 | 0.00000627 | 0.000246 | 0.000417 | 0.00186 | 0.000424 |
| 2049 Feb | 0.00000423 | 2.45 | 0.00239 | 3.14 | 0.0409 | 0.00133 | 1.61 | 0.00708 | 0.00478 | 0.0000459 | 0.000247 | 0.000126 | 0.0824 | 0.00000627 | 0.000246 | 0.000417 | 0.00186 | 0.000424 |
| 2049 Mar | 0.00000423 | 2.45 | 0.00239 | 3.14 | 0.0409 | 0.00133 | 1.61 | 0.00708 | 0.00478 | 0.0000459 | 0.000247 | 0.000126 | 0.0824 | 0.00000627 | 0.000246 | 0.000417 | 0.00186 | 0.000424 |
| 2049 Apr | 0.00000423 | 2.46 | 0.00239 | 3.14 | 0.0409 | 0.00133 | 1.61 | 0.00709 | 0.00479 | 0.0000459 | 0.000247 | 0.000126 | 0.0824 | 0.00000627 | 0.000246 | 0.000418 | 0.00186 | 0.000424 |
| 2049 May | 0.00000426 | 2.47 | 0.0024 | 3.15 | 0.0411 | 0.00134 | 1.62 | 0.00712 | 0.00481 | 0.0000462 | 0.000248 | 0.000127 | 0.0828 | 0.00000631 | 0.000248 | 0.00042 | 0.00187 | 0.000426 |
| 2049 Jun | 0.00000422 | 2.38 | 0.00233 | 3.04 | 0.0398 | 0.0013 | 1.56 | 0.00698 | 0.00471 | 0.0000452 | 0.000242 | 0.000122 | 0.0797 | 0.0000062 | 0.000244 | 0.000414 | 0.00184 | 0.000415 |
| 2049 Jul | 0.00000421 | 2.34 | 0.00229 | 2.99 | 0.0391 | 0.00129 | 1.53 | 0.00693 | 0.00466 | 0.0000448 | 0.000239 | 0.00012 | 0.0781 | 0.00000617 | 0.000242 | 0.000412 | 0.00183 | 0.00041 |
| 2049 Aug | 0.00000427 | 2.37 | 0.00232 | 3.02 | 0.0396 | 0.0013 | 1.55 | 0.00697 | 0.00472 | 0.0000453 | 0.000242 | 0.000121 | 0.0792 | 0.00000625 | 0.000245 | 0.000417 | 0.00186 | 0.000412 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 0.00000425 | 2.36 | 0.00231 | 3.01 | 0.0394 | 0.00129 | 1.54 | 0.00694 | 0.0047 | 0.0000451 | 0.00024 | 0.00012 | 0.0788 | 0.00000623 | 0.000244 | 0.000415 | 0.00185 | 0.000409 |
| 2049 Oct | 0.00000423 | 2.35 | 0.0023 | 3 | 0.0393 | 0.00129 | 1.54 | 0.00693 | 0.00469 | 0.0000452 | 0.000239 | 0.00012 | 0.0785 | 0.00000621 | 0.000243 | 0.000414 | 0.00185 | 0.000409 |
| 2049 Nov | 0.00000423 | 2.35 | 0.0023 | 3 | 0.0393 | 0.00129 | 1.54 | 0.00694 | 0.0047 | 0.0000453 | 0.000239 | 0.00012 | 0.0785 | 0.00000621 | 0.000242 | 0.000414 | 0.00185 | 0.000409 |
| 2049 Dec | 0.00000423 | 2.35 | 0.0023 | 3 | 0.0393 | 0.00129 | 1.54 | 0.00694 | 0.0047 | 0.0000453 | 0.000239 | 0.00012 | 0.0785 | 0.00000621 | 0.000242 | 0.000414 | 0.00185 | 0.000409 |
| 2050 Jan | 0.00000423 | 2.35 | 0.0023 | 3 | 0.0393 | 0.00129 | 1.54 | 0.00694 | 0.0047 | 0.0000453 | 0.000239 | 0.00012 | 0.0785 | 0.00000621 | 0.000242 | 0.000414 | 0.00185 | 0.000409 |
| 2050 Feb | 0.00000423 | 2.35 | 0.0023 | 3 | 0.0393 | 0.00129 | 1.54 | 0.00694 | 0.0047 | 0.0000453 | 0.000239 | 0.00012 | 0.0785 | 0.00000621 | 0.000242 | 0.000414 | 0.00185 | 0.000409 |
| 2050 Mar | 0.00000423 | 2.35 | 0.0023 | 3 | 0.0393 | 0.00129 | 1.54 | 0.00694 | 0.0047 | 0.0000453 | 0.000239 | 0.00012 | 0.0785 | 0.00000621 | 0.000242 | 0.000414 | 0.00185 | 0.000409 |
| 2050 Apr | 0.00000424 | 2.35 | 0.00231 | 3 | 0.0393 | 0.00129 | 1.54 | 0.00694 | 0.0047 | 0.0000453 | 0.000239 | 0.00012 | 0.0785 | 0.00000622 | 0.000243 | 0.000414 | 0.00185 | 0.000409 |
| 2050 May | 0.00000426 | 2.36 | 0.00232 | 3.01 | 0.0395 | 0.0013 | 1.54 | 0.00697 | 0.00472 | 0.0000455 | 0.00024 | 0.00012 | 0.0788 | 0.00000624 | 0.000244 | 0.000416 | 0.00186 | 0.000411 |
| 2050 Jun | 0.00000421 | 2.34 | 0.0023 | 2.98 | 0.039 | 0.00127 | 1.53 | 0.00683 | 0.00468 | 0.0000451 | 0.000237 | 0.000119 | 0.0783 | 0.00000619 | 0.000241 | 0.000411 | 0.00184 | 0.0004 |
| 2050 Jul | 0.00000415 | 2.33 | 0.00229 | 2.97 | 0.0389 | 0.00126 | 1.53 | 0.00677 | 0.00468 | 0.0000449 | 0.000233 | 0.000117 | 0.0782 | 0.00000616 | 0.000236 | 0.000407 | 0.00183 | 0.000395 |
| 2050 Aug | 0.00000422 | 2.37 | 0.00232 | 3.01 | 0.0394 | 0.00127 | 1.55 | 0.00683 | 0.00474 | 0.0000454 | 0.000237 | 0.000119 | 0.0793 | 0.00000625 | 0.00024 | 0.000413 | 0.00186 | 0.000397 |
| 2050 Sep | 0.00000423 | 2.37 | 0.00233 | 3.01 | 0.0394 | 0.00127 | 1.55 | 0.0068 | 0.00474 | 0.0000454 | 0.000237 | 0.000119 | 0.0794 | 0.00000626 | 0.000241 | 0.000413 | 0.00186 | 0.000395 |
| 2050 Oct | 0.00000425 | 2.38 | 0.00233 | 3.02 | 0.0395 | 0.00128 | 1.56 | 0.00682 | 0.00475 | 0.0000455 | 0.000238 | 0.000119 | 0.0796 | 0.00000627 | 0.000242 | 0.000415 | 0.00187 | 0.000396 |
| 2050 Nov | 0.00000425 | 2.38 | 0.00234 | 3.02 | 0.0395 | 0.00128 | 1.56 | 0.00683 | 0.00476 | 0.0000456 | 0.000238 | 0.00012 | 0.0797 | 0.00000628 | 0.000242 | 0.000415 | 0.00187 | 0.000396 |
| 2050 Dec | 0.00000425 | 2.38 | 0.00234 | 3.02 | 0.0395 | 0.00128 | 1.56 | 0.00683 | 0.00476 | 0.0000456 | 0.000238 | 0.00012 | 0.0797 | 0.00000628 | 0.000242 | 0.000415 | 0.00187 | 0.000396 |
| 2051 Jan | 0.00000425 | 2.38 | 0.00234 | 3.02 | 0.0395 | 0.00128 | 1.56 | 0.00682 | 0.00476 | 0.0000456 | 0.000238 | 0.00012 | 0.0797 | 0.00000628 | 0.000242 | 0.000415 | 0.00187 | 0.000396 |
| 2051 Feb | 0.00000425 | 2.38 | 0.00234 | 3.02 | 0.0395 | 0.00128 | 1.56 | 0.00682 | 0.00476 | 0.0000456 | 0.000238 | 0.00012 | 0.0797 | 0.00000628 | 0.000242 | 0.000415 | 0.00187 | 0.000396 |
| 2051 Mar | 0.00000425 | 2.38 | 0.00234 | 3.02 | 0.0395 | 0.00128 | 1.56 | 0.00683 | 0.00476 | 0.0000456 | 0.000238 | 0.00012 | 0.0797 | 0.00000628 | 0.000242 | 0.000415 | 0.00187 | 0.000396 |
| 2051 Apr | 0.00000426 | 2.38 | 0.00234 | 3.02 | 0.0395 | 0.00128 | 1.56 | 0.00683 | 0.00476 | 0.0000456 | 0.000238 | 0.00012 | 0.0797 | 0.00000629 | 0.000242 | 0.000415 | 0.00187 | 0.000396 |
| 2051 May | 0.00000428 | 2.39 | 0.00235 | 3.04 | 0.0397 | 0.00128 | 1.57 | 0.00685 | 0.00478 | 0.0000458 | 0.000239 | 0.00012 | 0.0801 | 0.00000631 | 0.000243 | 0.000417 | 0.00188 | 0.000397 |
| 2051 Jun | 0.00000421 | 2.32 | 0.00227 | 2.92 | 0.0383 | 0.00124 | 1.51 | 0.00658 | 0.00465 | 0.0000445 | 0.000232 | 0.000116 | 0.0772 | 0.00000617 | 0.000239 | 0.000408 | 0.00184 | 0.000378 |
| 2051 Jul | 0.00000426 | 2.33 | 0.00229 | 2.93 | 0.0384 | 0.00124 | 1.52 | 0.00656 | 0.00468 | 0.0000448 | 0.000234 | 0.000116 | 0.0776 | 0.00000623 | 0.000242 | 0.000411 | 0.00185 | 0.000376 |
| 2051 Aug | 0.00000428 | 2.35 | 0.00231 | 2.96 | 0.0387 | 0.00125 | 1.54 | 0.00656 | 0.00471 | 0.000045 | 0.000235 | 0.000117 | 0.0784 | 0.00000626 | 0.000243 | 0.000413 | 0.00186 | 0.000374 |
| 2051 Sep | 0.00000428 | 2.36 | 0.00231 | 2.96 | 0.0387 | 0.00125 | 1.54 | 0.00656 | 0.00472 | 0.0000451 | 0.000235 | 0.000117 | 0.0785 | 0.00000627 | 0.000242 | 0.000413 | 0.00187 | 0.000374 |
| 2051 Oct | 0.00000424 | 2.34 | 0.0023 | 2.94 | 0.0385 | 0.00123 | 1.53 | 0.00652 | 0.0047 | 0.0000451 | 0.000232 | 0.000116 | 0.0781 | 0.00000623 | 0.000239 | 0.00041 | 0.00185 | 0.000371 |
| 2051 Nov | 0.00000423 | 2.33 | 0.00229 | 2.94 | 0.0384 | 0.00123 | 1.53 | 0.00652 | 0.00469 | 0.0000453 | 0.000232 | 0.000115 | 0.0779 | 0.00000622 | 0.000238 | 0.000409 | 0.00185 | 0.000372 |
| 2051 Dec | 0.00000423 | 2.33 | 0.00229 | 2.94 | 0.0384 | 0.00123 | 1.53 | 0.00652 | 0.00469 | 0.0000453 | 0.000232 | 0.000115 | 0.0779 | 0.00000622 | 0.000238 | 0.000409 | 0.00185 | 0.000372 |
| 2052 Jan | 0.00000423 | 2.33 | 0.00229 | 2.94 | 0.0384 | 0.00123 | 1.53 | 0.00652 | 0.00469 | 0.0000453 | 0.000232 | 0.000115 | 0.0779 | 0.00000622 | 0.000238 | 0.000409 | 0.00185 | 0.000372 |
| 2052 Feb | 0.00000423 | 2.33 | 0.00229 | 2.94 | 0.0384 | 0.00123 | 1.53 | 0.00652 | 0.00469 | 0.0000453 | 0.000232 | 0.000115 | 0.0779 | 0.00000622 | 0.000238 | 0.000409 | 0.00185 | 0.000372 |
| 2052 Mar | 0.00000423 | 2.33 | 0.00229 | 2.94 | 0.0384 | 0.00123 | 1.53 | 0.00652 | 0.00469 | 0.0000453 | 0.000232 | 0.000115 | 0.0779 | 0.00000622 | 0.000238 | 0.000409 | 0.00185 | 0.000372 |
| 2052 Apr | 0.00000423 | 2.33 | 0.00229 | 2.94 | 0.0385 | 0.00123 | 1.53 | 0.00653 | 0.0047 | 0.0000453 | 0.000232 | 0.000115 | 0.0779 | 0.00000622 | 0.000238 | 0.000409 | 0.00185 | 0.000372 |
| 2052 May | 0.00000429 | 2.35 | 0.0023 | 2.95 | 0.0386 | 0.00124 | 1.53 | 0.00652 | 0.00471 | 0.0000455 | 0.000235 | 0.000116 | 0.0783 | 0.00000627 | 0.000243 | 0.000413 | 0.00187 | 0.000371 |
| 2052 Jun | 0.00000414 | 2.32 | 0.00228 | 2.92 | 0.0381 | 0.00121 | 1.52 | 0.00637 | 0.00467 | 0.0000447 | 0.000227 | 0.000114 | 0.0778 | 0.00000616 | 0.000232 | 0.000402 | 0.00183 | 0.00036 |
| 2052 Jul | 0.0000042 | 2.36 | 0.00232 | 2.97 | 0.0387 | 0.00122 | 1.55 | 0.00641 | 0.00474 | 0.0000453 | 0.00023 | 0.000115 | 0.0792 | 0.00000624 | 0.000236 | 0.000407 | 0.00186 | 0.000361 |
| 2052 Aug | 0.00000425 | 2.39 | 0.00235 | 3 | 0.0391 | 0.00123 | 1.57 | 0.00644 | 0.00478 | 0.0000457 | 0.000233 | 0.000117 | 0.0802 | 0.00000631 | 0.000239 | 0.000411 | 0.00188 | 0.000361 |
| 2052 Sep | 0.00000426 | 2.4 | 0.00235 | 3 | 0.0392 | 0.00123 | 1.58 | 0.00642 | 0.00479 | 0.0000457 | 0.000233 | 0.000117 | 0.0804 | 0.00000632 | 0.00024 | 0.000412 | 0.00188 | 0.00036 |
| 2052 Oct | 0.00000427 | 2.4 | 0.00235 | 3 | 0.0391 | 0.00123 | 1.57 | 0.00642 | 0.00479 | 0.0000457 | 0.000233 | 0.000117 | 0.0803 | 0.00000632 | 0.00024 | 0.000412 | 0.00188 | 0.00036 |
| 2052 Nov | 0.00000427 | 2.4 | 0.00235 | 3 | 0.0392 | 0.00123 | 1.58 | 0.00643 | 0.00479 | 0.0000458 | 0.000233 | 0.000117 | 0.0804 | 0.00000633 | 0.00024 | 0.000412 | 0.00188 | 0.00036 |
| 2052 Dec | 0.00000427 | 2.4 | 0.00235 | 3 | 0.0392 | 0.00123 | 1.58 | 0.00643 | 0.00479 | 0.0000458 | 0.000234 | 0.000117 | 0.0804 | 0.00000633 | 0.00024 | 0.000412 | 0.00188 | 0.00036 |
| 2053 Jan | 0.00000427 | 2.4 | 0.00235 | 3 | 0.0392 | 0.00123 | 1.58 | 0.00643 | 0.00479 | 0.0000458 | 0.000234 | 0.000117 | 0.0804 | 0.00000633 | 0.00024 | 0.000412 | 0.00188 | 0.00036 |
| 2053 Feb | 0.00000427 | 2.4 | 0.00235 | 3 | 0.0392 | 0.00123 | 1.58 | 0.00643 | 0.00479 | 0.0000458 | 0.000234 | 0.000117 | 0.0804 | 0.00000633 | 0.00024 | 0.000412 | 0.00189 | 0.00036 |
| 2053 Mar | 0.00000428 | 2.4 | 0.00235 | 3 | 0.0392 | 0.00123 | 1.58 | 0.00643 | 0.00479 | 0.0000458 | 0.000234 | 0.000117 | 0.0804 | 0.00000633 | 0.000241 | 0.000413 | 0.00189 | 0.00036 |
| 2053 Apr | 0.00000429 | 2.4 | 0.00236 | 3.01 | 0.0392 | 0.00124 | 1.58 | 0.00643 | 0.0048 | 0.0000459 | 0.000234 | 0.000117 | 0.0804 | 0.00000634 | 0.000241 | 0.000413 | 0.00189 | 0.00036 |
| 2053 May | 0.00000437 | 2.42 | 0.00236 | 3.01 | 0.0393 | 0.00125 | 1.58 | 0.00641 | 0.0048 | 0.000046 | 0.000238 | 0.000118 | 0.0806 | 0.00000639 | 0.000248 | 0.000418 | 0.00191 | 0.000357 |
| 2053 Jun | 0.00000418 | 2.32 | 0.00228 | 2.89 | 0.0378 | 0.00119 | 1.52 | 0.00618 | 0.00467 | 0.0000446 | 0.000226 | 0.000112 | 0.0776 | 0.00000618 | 0.000234 | 0.000402 | 0.00184 | 0.000343 |
| 2053 Jul | 0.00000422 | 2.35 | 0.00231 | 2.93 | 0.0383 | 0.0012 | 1.54 | 0.00623 | 0.00473 | 0.0000451 | 0.000228 | 0.000113 | 0.0787 | 0.00000625 | 0.000236 | 0.000406 | 0.00186 | 0.000345 |
| 2053 Aug | 0.0000043 | 2.4 | 0.00235 | 2.98 | 0.0389 | 0.00122 | 1.57 | 0.00626 | 0.00479 | 0.0000456 | 0.000232 | 0.000116 | 0.0802 | 0.00000635 | 0.000241 | 0.000412 | 0.00189 | 0.000345 |
| 2053 Sep | 0.00000433 | 2.42 | 0.00236 | 3 | 0.0391 | 0.00122 | 1.58 | 0.00626 | 0.00481 | 0.0000458 | 0.000234 | 0.000116 | 0.0807 | 0.00000638 | 0.000243 | 0.000414 | 0.0019 | 0.000345 |
| 2053 Oct | 0.00000433 | 2.42 | 0.00236 | 3 | 0.0391 | 0.00122 | 1.58 | 0.00626 | 0.00481 | 0.0000458 | 0.000234 | 0.000116 | 0.0808 | 0.00000638 | 0.000243 | 0.000414 | 0.0019 | 0.000344 |
| 2053 Nov | 0.00000433 | 2.42 | 0.00236 | 3 | 0.0391 | 0.00122 | 1.58 | 0.00626 | 0.00481 | 0.0000459 | 0.000234 | 0.000116 | 0.0807 | 0.00000638 | 0.000243 | 0.000414 | 0.0019 | 0.000344 |
| 2053 Dec | 0.00000435 | 2.42 | 0.00236 | 3 | 0.0391 | 0.00122 | 1.58 | 0.00626 | 0.00481 | 0.000046 | 0.000235 | 0.000116 | 0.0807 | 0.00000639 | 0.000244 | 0.000415 | 0.00191 | 0.000344 |
| 2054 Jan | 0.00000435 | 2.42 | 0.00236 | 3 | 0.0391 | 0.00122 | 1.58 | 0.00626 | 0.00481 | 0.000046 | 0.000235 | 0.000116 | 0.0807 | 0.00000639 | 0.000245 | 0.000416 | 0.00191 | 0.000344 |
| 2054 Feb | 0.00000436 | 2.42 | 0.00236 | 3 | 0.0391 | 0.00122 | 1.58 | 0.00626 | 0.00481 | 0.000046 | 0.000235 | 0.000117 | 0.0806 | 0.0000064 | 0.000245 | 0.000416 | 0.00191 | 0.000344 |
| 2054 Mar | 0.00000436 | 2.42 | 0.00236 | 3 | 0.0391 | 0.00123 | 1.58 | 0.00626 | 0.00481 | 0.000046 | 0.000235 | 0.000117 | 0.0806 | 0.0000064 | 0.000245 | 0.000416 | 0.00191 | 0.000344 |
| 2054 Apr | 0.00000437 | 2.42 | 0.00237 | 3 | 0.0391 | 0.00123 | 1.58 | 0.00626 | 0.00481 | 0.000046 | 0.000236 | 0.000117 | 0.0807 | 0.0000064 | 0.000246 | 0.000416 | 0.00191 | 0.000344 |
| 2054 May | 0.0000044 | 2.44 | 0.00238 | 3.01 | 0.0393 | 0.00123 | 1.59 | 0.00628 | 0.00483 | 0.0000462 | 0.000237 | 0.000117 | 0.0811 | 0.00000644 | 0.000248 | 0.000419 | 0.00192 | 0.000344 |
| 2054 Jun | 0.00000412 | 2.33 | 0.00229 | 2.9 | 0.0378 | 0.00116 | 1.54 | 0.00604 | 0.0047 | 0.0000446 | 0.000221 | 0.000111 | 0.0784 | 0.00000617 | 0.000228 | 0.000397 | 0.00184 | 0.00033 |
| 2054 Jul | 0.00000409 | 2.3 | 0.00227 | 2.87 | 0.0374 | 0.00115 | 1.52 | 0.00597 | 0.00467 | 0.0000443 | 0.000218 | 0.000109 | 0.0775 | 0.00000613 | 0.000225 | 0.000394 | 0.00183 | 0.000326 |
| 2054 Aug | 0.00000409 | 2.29 | 0.00226 | 2.84 | 0.0371 | 0.00114 | 1.51 | 0.00592 | 0.00464 | 0.0000441 | 0.000217 | 0.000108 | 0.0768 | 0.00000611 | 0.000225 | 0.000393 | 0.00182 | 0.000322 |
| 2054 Sep | 0.00000408 | 2.27 | 0.00224 | 2.82 | 0.0369 | 0.00113 | 1.5 | 0.0059 | 0.00463 | 0.000044 | 0.000216 | 0.000108 | 0.0763 | 0.0000061 | 0.000224 | 0.000392 | 0.00182 | 0.00032 |
| 2054 Oct | 0.00000401 | 2.24 | 0.00222 | 2.79 | 0.0365 | 0.00111 | 1.48 | 0.00584 | 0.00459 | 0.000044 | 0.000212 | 0.000106 | 0.0755 | 0.00000603 | 0.000219 | 0.000387 | 0.0018 | 0.000317 |
| 2054 Nov | 0.00000399 | 2.23 | 0.00222 | 2.78 | 0.0364 | 0.00111 | 1.48 | 0.00584 | 0.00459 | 0.0000443 | 0.00021 | 0.000105 | 0.0753 | 0.00000602 | 0.000218 | 0.000386 | 0.0018 | 0.000317 |
| 2054 Dec | 0.00000399 | 2.23 | 0.00222 | 2.78 | 0.0364 | 0.00111 | 1.48 | 0.00584 | 0.00459 | 0.0000443 | 0.00021 | 0.000105 | 0.0753 | 0.00000602 | 0.000218 | 0.000386 | 0.0018 | 0.000318 |
| 2055 Jan | 0.00000399 | 2.23 | 0.00222 | 2.78 | 0.0364 | 0.00111 | 1.48 | 0.00584 | 0.00459 | 0.0000443 | 0.00021 | 0.000105 | 0.0753 | 0.00000602 | 0.000218 | 0.000386 | 0.0018 | 0.000318 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 0.00000399 | 2.23 | 0.00222 | 2.78 | 0.0364 | 0.00111 | 1.48 | 0.00584 | 0.00459 | 0.0000443 | 0.00021 | 0.000105 | 0.0753 | 0.00000602 | 0.000218 | 0.000386 | 0.0018 | 0.000318 |
| 2055 Mar | 0.00000399 | 2.23 | 0.00222 | 2.78 | 0.0364 | 0.00111 | 1.48 | 0.00584 | 0.00459 | 0.0000443 | 0.00021 | 0.000105 | 0.0753 | 0.00000602 | 0.000218 | 0.000386 | 0.0018 | 0.000318 |
| 2055 Apr | 0.00000399 | 2.23 | 0.00222 | 2.79 | 0.0364 | 0.00111 | 1.48 | 0.00585 | 0.00459 | 0.0000443 | 0.00021 | 0.000105 | 0.0753 | 0.00000602 | 0.000218 | 0.000386 | 0.0018 | 0.000318 |
| 2055 May | 0.00000401 | 2.24 | 0.00222 | 2.8 | 0.0365 | 0.00111 | 1.48 | 0.00587 | 0.00461 | 0.0000445 | 0.000211 | 0.000106 | 0.0756 | 0.00000604 | 0.000219 | 0.000388 | 0.0018 | 0.000319 |
| 2055 Jun | 0.00000401 | 2.23 | 0.00221 | 2.77 | 0.0362 | 0.0011 | 1.47 | 0.00571 | 0.00457 | 0.0000441 | 0.00021 | 0.000104 | 0.0751 | 0.00000601 | 0.000219 | 0.000385 | 0.00179 | 0.000307 |
| 2055 Jul | 0.00000405 | 2.25 | 0.00223 | 2.78 | 0.0363 | 0.0011 | 1.48 | 0.00567 | 0.00459 | 0.0000442 | 0.000212 | 0.000105 | 0.0756 | 0.00000606 | 0.000221 | 0.000388 | 0.00181 | 0.000303 |
| 2055 Aug | 0.00000408 | 2.27 | 0.00224 | 2.8 | 0.0365 | 0.00111 | 1.5 | 0.00568 | 0.00462 | 0.0000444 | 0.000213 | 0.000106 | 0.0762 | 0.0000061 | 0.000223 | 0.00039 | 0.00182 | 0.000302 |
| 2055 Sep | 0.00000404 | 2.26 | 0.00223 | 2.78 | 0.0363 | 0.0011 | 1.49 | 0.00564 | 0.0046 | 0.0000442 | 0.000211 | 0.000105 | 0.0758 | 0.00000606 | 0.00022 | 0.000387 | 0.00181 | 0.000299 |
| 2055 Oct | 0.00000403 | 2.25 | 0.00222 | 2.78 | 0.0362 | 0.00109 | 1.48 | 0.00563 | 0.0046 | 0.0000441 | 0.00021 | 0.000104 | 0.0756 | 0.00000605 | 0.000219 | 0.000386 | 0.00181 | 0.000299 |
| 2055 Nov | 0.00000408 | 2.25 | 0.00222 | 2.77 | 0.0362 | 0.0011 | 1.48 | 0.00563 | 0.00459 | 0.0000442 | 0.000212 | 0.000105 | 0.0754 | 0.00000608 | 0.000222 | 0.000389 | 0.00182 | 0.000299 |
| 2055 Dec | 0.00000411 | 2.25 | 0.00222 | 2.77 | 0.0362 | 0.0011 | 1.48 | 0.00563 | 0.00459 | 0.0000443 | 0.000213 | 0.000105 | 0.0754 | 0.00000609 | 0.000224 | 0.00039 | 0.00182 | 0.000298 |
| 2056 Jan | 0.00000411 | 2.25 | 0.00222 | 2.77 | 0.0362 | 0.0011 | 1.48 | 0.00563 | 0.00459 | 0.0000443 | 0.000213 | 0.000105 | 0.0754 | 0.00000609 | 0.000224 | 0.00039 | 0.00182 | 0.000298 |
| 2056 Feb | 0.00000411 | 2.25 | 0.00222 | 2.77 | 0.0362 | 0.0011 | 1.48 | 0.00563 | 0.00459 | 0.0000443 | 0.000213 | 0.000105 | 0.0754 | 0.0000061 | 0.000225 | 0.000391 | 0.00182 | 0.000298 |
| 2056 Mar | 0.00000412 | 2.25 | 0.00222 | 2.77 | 0.0362 | 0.0011 | 1.48 | 0.00563 | 0.00459 | 0.0000443 | 0.000213 | 0.000105 | 0.0754 | 0.0000061 | 0.000225 | 0.000391 | 0.00182 | 0.000298 |
| 2056 Apr | 0.00000412 | 2.26 | 0.00222 | 2.77 | 0.0362 | 0.0011 | 1.48 | 0.00563 | 0.00459 | 0.0000443 | 0.000213 | 0.000105 | 0.0754 | 0.0000061 | 0.000225 | 0.000391 | 0.00182 | 0.000298 |
| 2056 May | 0.00000414 | 2.27 | 0.00223 | 2.78 | 0.0363 | 0.00111 | 1.49 | 0.00562 | 0.00461 | 0.0000444 | 0.000214 | 0.000105 | 0.0757 | 0.00000612 | 0.000227 | 0.000392 | 0.00183 | 0.000297 |
| 2056 Jun | 0.00000395 | 2.2 | 0.00219 | 2.71 | 0.0354 | 0.00105 | 1.46 | 0.00543 | 0.00453 | 0.0000433 | 0.000203 | 0.000101 | 0.0742 | 0.00000595 | 0.000213 | 0.000378 | 0.00178 | 0.000284 |
| 2056 Jul | 0.00000401 | 2.24 | 0.00222 | 2.75 | 0.0359 | 0.00107 | 1.48 | 0.00546 | 0.00458 | 0.0000438 | 0.000207 | 0.000103 | 0.0754 | 0.00000604 | 0.000217 | 0.000383 | 0.0018 | 0.000284 |
| 2056 Aug | 0.0000041 | 2.29 | 0.00226 | 2.8 | 0.0365 | 0.00109 | 1.51 | 0.00551 | 0.00465 | 0.0000444 | 0.000211 | 0.000105 | 0.0768 | 0.00000614 | 0.000223 | 0.00039 | 0.00184 | 0.000286 |
| 2056 Sep | 0.00000412 | 2.31 | 0.00227 | 2.82 | 0.0367 | 0.00109 | 1.52 | 0.00552 | 0.00468 | 0.0000446 | 0.000213 | 0.000106 | 0.0775 | 0.00000617 | 0.000224 | 0.000392 | 0.00185 | 0.000286 |
| 2056 Oct | 0.00000407 | 2.29 | 0.00226 | 2.8 | 0.0364 | 0.00108 | 1.51 | 0.00546 | 0.00464 | 0.0000446 | 0.00021 | 0.000104 | 0.0769 | 0.00000611 | 0.000221 | 0.000387 | 0.00183 | 0.000283 |
| 2056 Nov | 0.00000407 | 2.28 | 0.00225 | 2.79 | 0.0364 | 0.00108 | 1.51 | 0.00546 | 0.00464 | 0.0000447 | 0.00021 | 0.000104 | 0.0767 | 0.00000611 | 0.00022 | 0.000387 | 0.00183 | 0.000283 |
| 2056 Dec | 0.00000407 | 2.28 | 0.00225 | 2.79 | 0.0364 | 0.00108 | 1.51 | 0.00546 | 0.00464 | 0.0000447 | 0.00021 | 0.000104 | 0.0767 | 0.00000611 | 0.00022 | 0.000387 | 0.00183 | 0.000283 |
| 2057 Jan | 0.00000407 | 2.28 | 0.00225 | 2.79 | 0.0364 | 0.00108 | 1.51 | 0.00546 | 0.00464 | 0.0000447 | 0.00021 | 0.000104 | 0.0767 | 0.00000611 | 0.00022 | 0.000387 | 0.00183 | 0.000283 |
| 2057 Feb | 0.00000407 | 2.28 | 0.00225 | 2.79 | 0.0364 | 0.00108 | 1.51 | 0.00546 | 0.00464 | 0.0000447 | 0.00021 | 0.000104 | 0.0767 | 0.00000611 | 0.00022 | 0.000387 | 0.00183 | 0.000283 |
| 2057 Mar | 0.00000407 | 2.28 | 0.00225 | 2.79 | 0.0364 | 0.00108 | 1.51 | 0.00546 | 0.00464 | 0.0000447 | 0.00021 | 0.000104 | 0.0767 | 0.00000611 | 0.00022 | 0.000387 | 0.00183 | 0.000283 |
| 2057 Apr | 0.00000407 | 2.28 | 0.00225 | 2.8 | 0.0364 | 0.00108 | 1.51 | 0.00547 | 0.00464 | 0.0000447 | 0.00021 | 0.000104 | 0.0768 | 0.00000612 | 0.000221 | 0.000387 | 0.00183 | 0.000283 |
| 2057 May | 0.0000041 | 2.3 | 0.00226 | 2.8 | 0.0365 | 0.00108 | 1.51 | 0.00545 | 0.00465 | 0.0000448 | 0.000211 | 0.000105 | 0.0771 | 0.00000614 | 0.000223 | 0.000389 | 0.00184 | 0.000281 |
| 2057 Jun | 0.00000398 | 2.25 | 0.00223 | 2.75 | 0.0358 | 0.00105 | 1.49 | 0.00531 | 0.00459 | 0.0000441 | 0.000204 | 0.000102 | 0.0759 | 0.00000602 | 0.000214 | 0.00038 | 0.0018 | 0.000272 |
| 2057 Jul | 0.00000403 | 2.29 | 0.00226 | 2.8 | 0.0363 | 0.00106 | 1.52 | 0.00534 | 0.00464 | 0.0000445 | 0.000207 | 0.000103 | 0.0772 | 0.0000061 | 0.000218 | 0.000384 | 0.00183 | 0.000273 |
| 2057 Aug | 0.0000041 | 2.34 | 0.0023 | 2.85 | 0.037 | 0.00108 | 1.55 | 0.00539 | 0.00471 | 0.0000451 | 0.000211 | 0.000106 | 0.0787 | 0.0000062 | 0.000222 | 0.00039 | 0.00185 | 0.000274 |
| 2057 Sep | 0.00000407 | 2.32 | 0.00229 | 2.83 | 0.0368 | 0.00107 | 1.54 | 0.00535 | 0.00469 | 0.0000449 | 0.000209 | 0.000105 | 0.0783 | 0.00000616 | 0.00022 | 0.000387 | 0.00184 | 0.000271 |
| 2057 Oct | 0.00000402 | 2.3 | 0.00227 | 2.81 | 0.0364 | 0.00106 | 1.52 | 0.00532 | 0.00466 | 0.0000447 | 0.000206 | 0.000103 | 0.0776 | 0.00000611 | 0.000216 | 0.000383 | 0.00183 | 0.00027 |
| 2057 Nov | 0.00000402 | 2.3 | 0.00227 | 2.8 | 0.0364 | 0.00106 | 1.52 | 0.00532 | 0.00467 | 0.0000447 | 0.000206 | 0.000103 | 0.0775 | 0.00000611 | 0.000216 | 0.000383 | 0.00183 | 0.00027 |
| 2057 Dec | 0.00000402 | 2.3 | 0.00227 | 2.8 | 0.0364 | 0.00106 | 1.52 | 0.00533 | 0.00467 | 0.0000447 | 0.000206 | 0.000103 | 0.0775 | 0.00000611 | 0.000216 | 0.000383 | 0.00183 | 0.000271 |
| 2058 Jan | 0.00000402 | 2.3 | 0.00227 | 2.8 | 0.0364 | 0.00106 | 1.52 | 0.00533 | 0.00467 | 0.0000447 | 0.000206 | 0.000103 | 0.0775 | 0.00000611 | 0.000216 | 0.000383 | 0.00183 | 0.00027 |
| 2058 Feb | 0.00000402 | 2.3 | 0.00227 | 2.8 | 0.0364 | 0.00106 | 1.52 | 0.00533 | 0.00467 | 0.0000447 | 0.000206 | 0.000103 | 0.0775 | 0.00000611 | 0.000216 | 0.000383 | 0.00183 | 0.00027 |
| 2058 Mar | 0.00000402 | 2.3 | 0.00227 | 2.8 | 0.0364 | 0.00106 | 1.52 | 0.00533 | 0.00467 | 0.0000447 | 0.000206 | 0.000103 | 0.0775 | 0.00000611 | 0.000216 | 0.000383 | 0.00183 | 0.000271 |
| 2058 Apr | 0.00000402 | 2.3 | 0.00227 | 2.81 | 0.0364 | 0.00106 | 1.52 | 0.00533 | 0.00467 | 0.0000448 | 0.000206 | 0.000103 | 0.0776 | 0.00000611 | 0.000216 | 0.000384 | 0.00183 | 0.000271 |
| 2058 May | 0.00000404 | 2.3 | 0.00228 | 2.81 | 0.0365 | 0.00106 | 1.53 | 0.00532 | 0.00468 | 0.0000449 | 0.000207 | 0.000104 | 0.0778 | 0.00000613 | 0.000217 | 0.000385 | 0.00183 | 0.00027 |
| 2058 Jun | 0.00000417 | 2.25 | 0.00221 | 2.7 | 0.0353 | 0.00105 | 1.47 | 0.00513 | 0.00454 | 0.0000441 | 0.00021 | 0.000101 | 0.0747 | 0.0000061 | 0.000227 | 0.000388 | 0.00183 | 0.000256 |
| 2058 Jul | 0.00000435 | 2.3 | 0.00224 | 2.74 | 0.0358 | 0.00109 | 1.49 | 0.00517 | 0.0046 | 0.0000449 | 0.000218 | 0.000104 | 0.0757 | 0.00000626 | 0.000239 | 0.0004 | 0.00188 | 0.000256 |
| 2058 Aug | 0.00000443 | 2.35 | 0.00228 | 2.79 | 0.0364 | 0.0011 | 1.52 | 0.00522 | 0.00466 | 0.0000455 | 0.000223 | 0.000106 | 0.0772 | 0.00000636 | 0.000244 | 0.000406 | 0.00191 | 0.000258 |
| 2058 Sep | 0.00000435 | 2.33 | 0.00227 | 2.77 | 0.0361 | 0.00109 | 1.51 | 0.00515 | 0.00462 | 0.000045 | 0.000219 | 0.000105 | 0.0768 | 0.00000628 | 0.000239 | 0.0004 | 0.00188 | 0.000253 |
| 2058 Oct | 0.0000043 | 2.3 | 0.00225 | 2.74 | 0.0358 | 0.00107 | 1.49 | 0.00512 | 0.0046 | 0.0000448 | 0.000216 | 0.000103 | 0.076 | 0.00000623 | 0.000235 | 0.000396 | 0.00187 | 0.000252 |
| 2058 Nov | 0.00000429 | 2.29 | 0.00224 | 2.74 | 0.0358 | 0.00107 | 1.49 | 0.00512 | 0.0046 | 0.0000449 | 0.000215 | 0.000103 | 0.0759 | 0.00000622 | 0.000234 | 0.000396 | 0.00187 | 0.000252 |
| 2058 Dec | 0.00000429 | 2.29 | 0.00224 | 2.74 | 0.0358 | 0.00107 | 1.49 | 0.00512 | 0.0046 | 0.0000449 | 0.000215 | 0.000103 | 0.0759 | 0.00000622 | 0.000234 | 0.000396 | 0.00187 | 0.000252 |
| 2059 Jan | 0.00000429 | 2.29 | 0.00224 | 2.74 | 0.0358 | 0.00107 | 1.49 | 0.00512 | 0.0046 | 0.0000449 | 0.000215 | 0.000103 | 0.0758 | 0.00000622 | 0.000234 | 0.000396 | 0.00187 | 0.000252 |
| 2059 Feb | 0.00000429 | 2.29 | 0.00224 | 2.74 | 0.0358 | 0.00107 | 1.49 | 0.00512 | 0.0046 | 0.0000449 | 0.000215 | 0.000103 | 0.0759 | 0.00000622 | 0.000234 | 0.000396 | 0.00187 | 0.000252 |
| 2059 Mar | 0.00000429 | 2.29 | 0.00224 | 2.74 | 0.0358 | 0.00107 | 1.49 | 0.00512 | 0.0046 | 0.0000449 | 0.000215 | 0.000103 | 0.0758 | 0.00000622 | 0.000234 | 0.000396 | 0.00187 | 0.000252 |
| 2059 Apr | 0.00000429 | 2.3 | 0.00224 | 2.74 | 0.0358 | 0.00107 | 1.49 | 0.00513 | 0.0046 | 0.0000449 | 0.000215 | 0.000103 | 0.0759 | 0.00000623 | 0.000235 | 0.000396 | 0.00187 | 0.000253 |
| 2059 May | 0.0000043 | 2.31 | 0.00225 | 2.75 | 0.0359 | 0.00107 | 1.5 | 0.00512 | 0.00461 | 0.000045 | 0.000216 | 0.000104 | 0.0763 | 0.00000624 | 0.000235 | 0.000396 | 0.00187 | 0.000252 |
| 2059 Jun | 0.00000414 | 2.27 | 0.00223 | 2.72 | 0.0354 | 0.00104 | 1.49 | 0.00501 | 0.00457 | 0.0000443 | 0.000207 | 0.000101 | 0.0757 | 0.00000612 | 0.000224 | 0.000385 | 0.00183 | 0.000245 |
| 2059 Jul | 0.00000423 | 2.32 | 0.00227 | 2.77 | 0.0361 | 0.00106 | 1.52 | 0.00506 | 0.00465 | 0.000045 | 0.000212 | 0.000103 | 0.0773 | 0.00000623 | 0.000229 | 0.000392 | 0.00187 | 0.000246 |
| 2059 Aug | 0.0000043 | 2.36 | 0.00231 | 2.82 | 0.0367 | 0.00107 | 1.55 | 0.0051 | 0.0047 | 0.0000455 | 0.000216 | 0.000105 | 0.0786 | 0.00000631 | 0.000234 | 0.000398 | 0.00189 | 0.000247 |
| 2059 Sep | 0.00000427 | 2.35 | 0.0023 | 2.8 | 0.0365 | 0.00107 | 1.54 | 0.00506 | 0.00468 | 0.0000452 | 0.000215 | 0.000105 | 0.0783 | 0.00000628 | 0.000232 | 0.000395 | 0.00188 | 0.000244 |
| 2059 Oct | 0.00000415 | 2.3 | 0.00226 | 2.75 | 0.0359 | 0.00104 | 1.51 | 0.005 | 0.00463 | 0.0000451 | 0.000208 | 0.000102 | 0.0769 | 0.00000617 | 0.000224 | 0.000387 | 0.00185 | 0.000242 |
| 2059 Nov | 0.00000415 | 2.3 | 0.00226 | 2.75 | 0.0358 | 0.00104 | 1.51 | 0.00501 | 0.00463 | 0.0000452 | 0.000208 | 0.000102 | 0.0768 | 0.00000617 | 0.000224 | 0.000387 | 0.00185 | 0.000243 |
| 2059 Dec | 0.00000415 | 2.3 | 0.00226 | 2.75 | 0.0358 | 0.00104 | 1.51 | 0.00501 | 0.00463 | 0.0000452 | 0.000208 | 0.000102 | 0.0768 | 0.00000617 | 0.000224 | 0.000387 | 0.00185 | 0.000243 |
| 2060 Jan | 0.00000415 | 2.3 | 0.00226 | 2.75 | 0.0358 | 0.00104 | 1.51 | 0.00501 | 0.00463 | 0.0000452 | 0.000208 | 0.000102 | 0.0768 | 0.00000617 | 0.000224 | 0.000387 | 0.00185 | 0.000243 |
| 2060 Feb | 0.00000415 | 2.3 | 0.00226 | 2.75 | 0.0358 | 0.00104 | 1.51 | 0.00501 | 0.00463 | 0.0000452 | 0.000208 | 0.000102 | 0.0768 | 0.00000617 | 0.000224 | 0.000387 | 0.00185 | 0.000243 |
| 2060 Mar | 0.00000415 | 2.3 | 0.00226 | 2.75 | 0.0358 | 0.00104 | 1.51 | 0.00501 | 0.00463 | 0.0000452 | 0.000208 | 0.000102 | 0.0768 | 0.00000617 | 0.000224 | 0.000387 | 0.00185 | 0.000243 |
| 2060 Apr | 0.00000416 | 2.3 | 0.00226 | 2.75 | 0.0359 | 0.00104 | 1.51 | 0.00501 | 0.00463 | 0.0000453 | 0.000208 | 0.000102 | 0.0769 | 0.00000618 | 0.000224 | 0.000387 | 0.00185 | 0.000243 |
| 2060 May | 0.00000408 | 2.28 | 0.00225 | 2.73 | 0.0356 | 0.00102 | 1.5 | 0.00495 | 0.00461 | 0.0000449 | 0.000204 | 0.0001 | 0.0765 | 0.00000612 | 0.000219 | 0.000382 | 0.00184 | 0.000239 |
| 2060 Jun | 0.00000399 | 2.24 | 0.00221 | 2.69 | 0.035 | 0.000996 | 1.48 | 0.00486 | 0.00456 | 0.0000443 | 0.000198 | 0.0000978 | 0.0753 | 0.00000603 | 0.000212 | 0.000375 | 0.00181 | 0.000233 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 0.0000041 | 2.29 | 0.00226 | 2.74 | 0.0357 | 0.00102 | 1.51 | 0.00491 | 0.00463 | 0.000045 | 0.000204 | 0.0001 | 0.0769 | 0.00000615 | 0.00022 | 0.000383 | 0.00185 | 0.000234 |
| 2060 Aug | 0.0000041 | 2.29 | 0.00226 | 2.74 | 0.0356 | 0.00102 | 1.51 | 0.00487 | 0.00462 | 0.0000449 | 0.000204 | 0.0001 | 0.0769 | 0.00000614 | 0.00022 | 0.000382 | 0.00184 | 0.000231 |
| 2060 Sep | 0.00000402 | 2.24 | 0.00221 | 2.68 | 0.0349 | 0.000993 | 1.48 | 0.0048 | 0.00455 | 0.0000443 | 0.000199 | 0.0000976 | 0.0752 | 0.00000604 | 0.000214 | 0.000376 | 0.00181 | 0.000228 |
| 2060 Oct | 0.00000398 | 2.22 | 0.0022 | 2.66 | 0.0346 | 0.000983 | 1.46 | 0.00478 | 0.00453 | 0.0000442 | 0.000196 | 0.0000963 | 0.0746 | 0.00000601 | 0.000211 | 0.000373 | 0.0018 | 0.000227 |
| 2060 Nov | 0.00000398 | 2.21 | 0.0022 | 2.65 | 0.0346 | 0.000982 | 1.46 | 0.00479 | 0.00453 | 0.0000443 | 0.000196 | 0.0000962 | 0.0745 | 0.00000601 | 0.000211 | 0.000373 | 0.0018 | 0.000227 |
| 2060 Dec | 0.00000398 | 2.21 | 0.0022 | 2.65 | 0.0346 | 0.000982 | 1.46 | 0.00479 | 0.00453 | 0.0000443 | 0.000196 | 0.0000961 | 0.0745 | 0.00000601 | 0.000211 | 0.000373 | 0.0018 | 0.000228 |
| 2061 Jan | 0.00000398 | 2.21 | 0.0022 | 2.65 | 0.0346 | 0.000982 | 1.46 | 0.00479 | 0.00453 | 0.0000443 | 0.000196 | 0.0000962 | 0.0745 | 0.00000601 | 0.000211 | 0.000373 | 0.0018 | 0.000228 |
| 2061 Feb | 0.00000398 | 2.21 | 0.0022 | 2.65 | 0.0346 | 0.000982 | 1.46 | 0.00479 | 0.00453 | 0.0000443 | 0.000196 | 0.0000962 | 0.0745 | 0.00000601 | 0.000211 | 0.000373 | 0.0018 | 0.000228 |
| 2061 Mar | 0.00000398 | 2.21 | 0.0022 | 2.65 | 0.0346 | 0.000982 | 1.46 | 0.00479 | 0.00453 | 0.0000443 | 0.000196 | 0.0000962 | 0.0745 | 0.00000601 | 0.000211 | 0.000373 | 0.0018 | 0.000228 |
| 2061 Apr | 0.00000399 | 2.22 | 0.0022 | 2.66 | 0.0346 | 0.000983 | 1.46 | 0.00479 | 0.00454 | 0.0000444 | 0.000196 | 0.0000963 | 0.0745 | 0.00000601 | 0.000211 | 0.000374 | 0.00181 | 0.000228 |
| 2061 May | 0.00000404 | 2.23 | 0.00221 | 2.67 | 0.0348 | 0.000992 | 1.47 | 0.00478 | 0.00455 | 0.0000445 | 0.000199 | 0.0000972 | 0.0749 | 0.00000606 | 0.000215 | 0.000377 | 0.00182 | 0.000226 |
| 2061 Jun | 0.00000386 | 2.14 | 0.00214 | 2.57 | 0.0335 | 0.00094 | 1.42 | 0.00459 | 0.00443 | 0.0000432 | 0.000187 | 0.000092 | 0.0723 | 0.00000586 | 0.000202 | 0.000362 | 0.00176 | 0.000215 |
| 2061 Jul | 0.00000391 | 2.17 | 0.00216 | 2.6 | 0.0339 | 0.000948 | 1.44 | 0.00459 | 0.00447 | 0.0000436 | 0.00019 | 0.0000932 | 0.0732 | 0.00000592 | 0.000205 | 0.000366 | 0.00178 | 0.000214 |
| 2061 Aug | 0.00000399 | 2.21 | 0.00219 | 2.63 | 0.0343 | 0.000965 | 1.46 | 0.00463 | 0.00452 | 0.0000441 | 0.000194 | 0.0000949 | 0.0743 | 0.00000601 | 0.00021 | 0.000372 | 0.0018 | 0.000214 |
| 2061 Sep | 0.000004 | 2.22 | 0.00219 | 2.64 | 0.0344 | 0.000966 | 1.46 | 0.00462 | 0.00452 | 0.0000441 | 0.000195 | 0.0000951 | 0.0744 | 0.00000602 | 0.000211 | 0.000372 | 0.00181 | 0.000213 |
| 2061 Oct | 0.00000394 | 2.19 | 0.00218 | 2.61 | 0.0341 | 0.000952 | 1.45 | 0.00458 | 0.00449 | 0.0000441 | 0.000191 | 0.0000938 | 0.0738 | 0.00000596 | 0.000207 | 0.000368 | 0.00179 | 0.000212 |
| 2061 Nov | 0.00000393 | 2.19 | 0.00217 | 2.61 | 0.034 | 0.00095 | 1.45 | 0.00459 | 0.00449 | 0.0000443 | 0.000191 | 0.0000935 | 0.0737 | 0.00000596 | 0.000206 | 0.000368 | 0.00179 | 0.000212 |
| 2061 Dec | 0.00000393 | 2.19 | 0.00217 | 2.61 | 0.034 | 0.00095 | 1.45 | 0.00459 | 0.00449 | 0.0000443 | 0.000191 | 0.0000935 | 0.0737 | 0.00000596 | 0.000206 | 0.000368 | 0.00179 | 0.000212 |
| 2062 Jan | 0.00000393 | 2.19 | 0.00217 | 2.61 | 0.034 | 0.00095 | 1.45 | 0.00459 | 0.00449 | 0.0000443 | 0.000191 | 0.0000935 | 0.0737 | 0.00000596 | 0.000206 | 0.000368 | 0.00179 | 0.000212 |
| 2062 Feb | 0.00000393 | 2.19 | 0.00217 | 2.61 | 0.034 | 0.00095 | 1.45 | 0.00459 | 0.00449 | 0.0000443 | 0.000191 | 0.0000935 | 0.0737 | 0.00000596 | 0.000206 | 0.000368 | 0.00179 | 0.000212 |
| 2062 Mar | 0.00000393 | 2.19 | 0.00217 | 2.61 | 0.034 | 0.00095 | 1.45 | 0.00459 | 0.00449 | 0.0000443 | 0.000191 | 0.0000935 | 0.0737 | 0.00000596 | 0.000206 | 0.000368 | 0.00179 | 0.000212 |
| 2062 Apr | 0.00000394 | 2.19 | 0.00218 | 2.61 | 0.0341 | 0.000951 | 1.45 | 0.00459 | 0.0045 | 0.0000443 | 0.000191 | 0.0000936 | 0.0737 | 0.00000596 | 0.000207 | 0.000368 | 0.00179 | 0.000212 |
| 2062 May | 0.00000395 | 2.2 | 0.00218 | 2.62 | 0.0342 | 0.000954 | 1.45 | 0.00461 | 0.00451 | 0.0000444 | 0.000191 | 0.0000939 | 0.074 | 0.00000598 | 0.000207 | 0.000369 | 0.0018 | 0.000213 |
| 2062 Jun | 0.00000395 | 2.17 | 0.00215 | 2.57 | 0.0336 | 0.000941 | 1.43 | 0.00449 | 0.00445 | 0.0000439 | 0.00019 | 0.0000925 | 0.0729 | 0.00000593 | 0.000208 | 0.000366 | 0.00178 | 0.000205 |
| 2062 Jul | 0.00000414 | 2.18 | 0.00214 | 2.54 | 0.0334 | 0.00096 | 1.41 | 0.00443 | 0.00441 | 0.000044 | 0.000198 | 0.0000933 | 0.072 | 0.00000602 | 0.000221 | 0.000376 | 0.00181 | 0.000199 |
| 2062 Aug | 0.00000418 | 2.21 | 0.00217 | 2.58 | 0.0338 | 0.000969 | 1.43 | 0.00444 | 0.00446 | 0.0000443 | 0.0002 | 0.0000946 | 0.073 | 0.00000608 | 0.000223 | 0.00038 | 0.00183 | 0.000199 |
| 2062 Sep | 0.00000413 | 2.19 | 0.00216 | 2.56 | 0.0335 | 0.000957 | 1.43 | 0.00441 | 0.00443 | 0.000044 | 0.000197 | 0.0000935 | 0.0725 | 0.00000603 | 0.00022 | 0.000376 | 0.00182 | 0.000196 |
| 2062 Oct | 0.00000397 | 2.13 | 0.00211 | 2.5 | 0.0328 | 0.000921 | 1.4 | 0.00433 | 0.00437 | 0.0000441 | 0.000188 | 0.0000901 | 0.0711 | 0.00000589 | 0.000208 | 0.000365 | 0.00177 | 0.000193 |
| 2062 Nov | 0.00000397 | 2.12 | 0.00211 | 2.5 | 0.0328 | 0.00092 | 1.39 | 0.00434 | 0.00437 | 0.0000443 | 0.000188 | 0.0000899 | 0.0709 | 0.0000059 | 0.000208 | 0.000365 | 0.00178 | 0.000194 |
| 2062 Dec | 0.00000397 | 2.12 | 0.00211 | 2.5 | 0.0328 | 0.00092 | 1.39 | 0.00434 | 0.00437 | 0.0000443 | 0.000188 | 0.0000898 | 0.0709 | 0.0000059 | 0.000208 | 0.000365 | 0.00178 | 0.000194 |
| 2063 Jan | 0.00000397 | 2.12 | 0.00211 | 2.5 | 0.0328 | 0.00092 | 1.39 | 0.00434 | 0.00437 | 0.0000443 | 0.000188 | 0.0000899 | 0.0709 | 0.0000059 | 0.000208 | 0.000365 | 0.00178 | 0.000194 |
| 2063 Feb | 0.00000397 | 2.12 | 0.00211 | 2.5 | 0.0328 | 0.00092 | 1.39 | 0.00434 | 0.00437 | 0.0000443 | 0.000188 | 0.0000899 | 0.0709 | 0.0000059 | 0.000208 | 0.000365 | 0.00178 | 0.000194 |
| 2063 Mar | 0.00000397 | 2.12 | 0.00211 | 2.5 | 0.0328 | 0.00092 | 1.39 | 0.00434 | 0.00437 | 0.0000443 | 0.000188 | 0.0000899 | 0.0709 | 0.0000059 | 0.000208 | 0.000365 | 0.00178 | 0.000194 |
| 2063 Apr | 0.00000397 | 2.12 | 0.00211 | 2.5 | 0.0328 | 0.000921 | 1.39 | 0.00434 | 0.00437 | 0.0000444 | 0.000188 | 0.0000899 | 0.0709 | 0.0000059 | 0.000208 | 0.000365 | 0.00178 | 0.000194 |
| 2063 May | 0.00000403 | 2.14 | 0.00212 | 2.51 | 0.033 | 0.000932 | 1.4 | 0.00435 | 0.00439 | 0.0000446 | 0.000191 | 0.0000909 | 0.0713 | 0.00000595 | 0.000213 | 0.000369 | 0.00179 | 0.000193 |
| 2063 Jun | 0.00000384 | 2.1 | 0.00209 | 2.48 | 0.0324 | 0.000887 | 1.39 | 0.0042 | 0.00434 | 0.0000435 | 0.000181 | 0.0000876 | 0.0707 | 0.00000579 | 0.000199 | 0.000355 | 0.00174 | 0.000184 |
| 2063 Jul | 0.00000385 | 2.11 | 0.00211 | 2.49 | 0.0326 | 0.000887 | 1.4 | 0.0042 | 0.00437 | 0.0000437 | 0.000181 | 0.0000879 | 0.0712 | 0.00000583 | 0.000199 | 0.000356 | 0.00175 | 0.000183 |
| 2063 Aug | 0.00000394 | 2.17 | 0.00215 | 2.55 | 0.0333 | 0.000909 | 1.43 | 0.00425 | 0.00445 | 0.0000444 | 0.000186 | 0.0000902 | 0.0728 | 0.00000595 | 0.000205 | 0.000364 | 0.00179 | 0.000184 |
| 2063 Sep | 0.00000398 | 2.19 | 0.00217 | 2.57 | 0.0336 | 0.000917 | 1.45 | 0.00426 | 0.00448 | 0.0000446 | 0.000188 | 0.0000913 | 0.0735 | 0.00000599 | 0.000207 | 0.000366 | 0.0018 | 0.000184 |
| 2063 Oct | 0.00000397 | 2.19 | 0.00217 | 2.57 | 0.0336 | 0.000917 | 1.45 | 0.00425 | 0.00448 | 0.0000447 | 0.000188 | 0.0000914 | 0.0736 | 0.00000599 | 0.000207 | 0.000366 | 0.0018 | 0.000184 |
| 2063 Nov | 0.00000398 | 2.19 | 0.00218 | 2.58 | 0.0336 | 0.000918 | 1.45 | 0.00426 | 0.00448 | 0.0000448 | 0.000189 | 0.0000914 | 0.0737 | 0.00000599 | 0.000207 | 0.000367 | 0.0018 | 0.000184 |
| 2063 Dec | 0.00000398 | 2.19 | 0.00218 | 2.58 | 0.0336 | 0.000918 | 1.45 | 0.00426 | 0.00448 | 0.0000448 | 0.000189 | 0.0000914 | 0.0737 | 0.00000599 | 0.000207 | 0.000367 | 0.0018 | 0.000184 |
| 2064 Jan | 0.00000398 | 2.19 | 0.00218 | 2.58 | 0.0336 | 0.000918 | 1.45 | 0.00426 | 0.00448 | 0.0000448 | 0.000189 | 0.0000914 | 0.0737 | 0.00000599 | 0.000207 | 0.000367 | 0.0018 | 0.000184 |
| 2064 Feb | 0.00000398 | 2.19 | 0.00218 | 2.58 | 0.0336 | 0.000918 | 1.45 | 0.00426 | 0.00448 | 0.0000448 | 0.000189 | 0.0000915 | 0.0737 | 0.00000599 | 0.000208 | 0.000367 | 0.0018 | 0.000184 |
| 2064 Mar | 0.00000398 | 2.19 | 0.00218 | 2.58 | 0.0336 | 0.000918 | 1.45 | 0.00426 | 0.00448 | 0.0000448 | 0.000189 | 0.0000915 | 0.0737 | 0.000006 | 0.000208 | 0.000367 | 0.00181 | 0.000184 |
| 2064 Apr | 0.00000399 | 2.2 | 0.00218 | 2.58 | 0.0336 | 0.000919 | 1.45 | 0.00426 | 0.00448 | 0.0000449 | 0.000189 | 0.0000916 | 0.0737 | 0.000006 | 0.000208 | 0.000367 | 0.00181 | 0.000184 |
| 2064 May | 0.00000398 | 2.19 | 0.00217 | 2.57 | 0.0335 | 0.000916 | 1.45 | 0.00423 | 0.00447 | 0.0000447 | 0.000189 | 0.0000913 | 0.0735 | 0.00000598 | 0.000208 | 0.000366 | 0.0018 | 0.000182 |
| 2064 Jun | 0.00000413 | 2.19 | 0.00215 | 2.53 | 0.0331 | 0.000928 | 1.42 | 0.00414 | 0.00441 | 0.0000445 | 0.000195 | 0.0000916 | 0.0723 | 0.00000603 | 0.000219 | 0.000373 | 0.00182 | 0.000174 |
| 2064 Jul | 0.00000424 | 2.24 | 0.00219 | 2.58 | 0.0338 | 0.00095 | 1.45 | 0.00418 | 0.00448 | 0.0000451 | 0.0002 | 0.0000941 | 0.0739 | 0.00000614 | 0.000226 | 0.000381 | 0.00185 | 0.000175 |
| 2064 Aug | 0.00000427 | 2.27 | 0.00222 | 2.61 | 0.0342 | 0.000959 | 1.47 | 0.00419 | 0.00452 | 0.0000454 | 0.000202 | 0.0000953 | 0.0749 | 0.0000062 | 0.000228 | 0.000384 | 0.00187 | 0.000175 |
| 2064 Sep | 0.00000421 | 2.25 | 0.00221 | 2.6 | 0.034 | 0.000947 | 1.47 | 0.00417 | 0.0045 | 0.0000452 | 0.000199 | 0.0000943 | 0.0746 | 0.00000615 | 0.000224 | 0.000379 | 0.00185 | 0.000173 |
| 2064 Oct | 0.0000042 | 2.25 | 0.0022 | 2.59 | 0.0339 | 0.000944 | 1.46 | 0.00417 | 0.0045 | 0.0000452 | 0.000199 | 0.000094 | 0.0744 | 0.00000614 | 0.000223 | 0.000379 | 0.00185 | 0.000173 |
| 2064 Nov | 0.00000421 | 2.25 | 0.00221 | 2.6 | 0.0339 | 0.000945 | 1.46 | 0.00417 | 0.0045 | 0.0000452 | 0.000199 | 0.0000941 | 0.0745 | 0.00000615 | 0.000224 | 0.000379 | 0.00185 | 0.000173 |
| 2064 Dec | 0.00000421 | 2.25 | 0.00221 | 2.6 | 0.0339 | 0.000946 | 1.46 | 0.00417 | 0.0045 | 0.0000453 | 0.000199 | 0.0000941 | 0.0745 | 0.00000615 | 0.000224 | 0.00038 | 0.00185 | 0.000173 |
| 2065 Jan | 0.00000422 | 2.25 | 0.00221 | 2.6 | 0.0339 | 0.000947 | 1.46 | 0.00417 | 0.0045 | 0.0000453 | 0.000199 | 0.0000942 | 0.0745 | 0.00000615 | 0.000224 | 0.00038 | 0.00186 | 0.000173 |
| 2065 Feb | 0.00000423 | 2.25 | 0.00221 | 2.6 | 0.0339 | 0.000948 | 1.46 | 0.00417 | 0.0045 | 0.0000453 | 0.0002 | 0.0000942 | 0.0744 | 0.00000616 | 0.000225 | 0.00038 | 0.00186 | 0.000173 |
| 2065 Mar | 0.00000424 | 2.25 | 0.00221 | 2.6 | 0.0339 | 0.00095 | 1.46 | 0.00417 | 0.0045 | 0.0000453 | 0.0002 | 0.0000944 | 0.0744 | 0.00000617 | 0.000226 | 0.000381 | 0.00186 | 0.000173 |
| 2065 Apr | 0.00000425 | 2.26 | 0.00221 | 2.6 | 0.034 | 0.000953 | 1.47 | 0.00418 | 0.0045 | 0.0000454 | 0.000201 | 0.0000946 | 0.0745 | 0.00000618 | 0.000227 | 0.000382 | 0.00186 | 0.000173 |
| 2065 May | 0.00000431 | 2.28 | 0.00222 | 2.61 | 0.0341 | 0.000962 | 1.47 | 0.00417 | 0.00451 | 0.0000455 | 0.000204 | 0.0000956 | 0.0749 | 0.00000621 | 0.000231 | 0.000385 | 0.00187 | 0.000172 |
| 2065 Jun | 0.00000398 | 2.17 | 0.00215 | 2.52 | 0.033 | 0.000895 | 1.43 | 0.00403 | 0.00441 | 0.0000441 | 0.000187 | 0.0000896 | 0.0727 | 0.00000595 | 0.000208 | 0.000363 | 0.00179 | 0.000166 |
| 2065 Jul | 0.00000403 | 2.21 | 0.00218 | 2.56 | 0.0335 | 0.000905 | 1.45 | 0.00406 | 0.00447 | 0.0000446 | 0.000189 | 0.000091 | 0.0739 | 0.00000602 | 0.000211 | 0.000367 | 0.00182 | 0.000166 |
| 2065 Aug | 0.0000041 | 2.25 | 0.00222 | 2.61 | 0.034 | 0.000921 | 1.48 | 0.00409 | 0.00453 | 0.0000452 | 0.000193 | 0.0000929 | 0.0752 | 0.00000611 | 0.000215 | 0.000373 | 0.00184 | 0.000167 |
| 2065 Sep | 0.00000409 | 2.25 | 0.00222 | 2.61 | 0.034 | 0.00092 | 1.48 | 0.00408 | 0.00453 | 0.0000451 | 0.000193 | 0.0000929 | 0.0753 | 0.0000061 | 0.000215 | 0.000372 | 0.00184 | 0.000166 |
| 2065 Oct | 0.00000401 | 2.2 | 0.00218 | 2.56 | 0.0334 | 0.000899 | 1.45 | 0.00402 | 0.00446 | 0.000045 | 0.000188 | 0.0000905 | 0.0738 | 0.00000601 | 0.00021 | 0.000366 | 0.00181 | 0.000163 |
| 2065 Nov | 0.00000401 | 2.2 | 0.00217 | 2.55 | 0.0332 | 0.000897 | 1.44 | 0.00402 | 0.00445 | 0.0000453 | 0.000188 | 0.0000901 | 0.0734 | 0.000006 | 0.000209 | 0.000366 | 0.00181 | 0.000163 |

**Appendix D14. Kangislulik Lake**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 0.00000404 | 2.2 | 0.00217 | 2.54 | 0.0332 | 0.000901 | 1.44 | 0.00402 | 0.00445 | 0.0000453 | 0.000189 | 0.0000903 | 0.0734 | 0.00000602 | 0.000211 | 0.000367 | 0.00182 | 0.000163 |
| 2066 Jan | 0.00000406 | 2.2 | 0.00217 | 2.54 | 0.0332 | 0.000904 | 1.44 | 0.00402 | 0.00445 | 0.0000453 | 0.00019 | 0.0000905 | 0.0733 | 0.00000603 | 0.000213 | 0.000369 | 0.00182 | 0.000163 |
| 2066 Feb | 0.00000408 | 2.2 | 0.00217 | 2.54 | 0.0332 | 0.000906 | 1.44 | 0.00402 | 0.00445 | 0.0000454 | 0.000191 | 0.0000906 | 0.0733 | 0.00000604 | 0.000214 | 0.000369 | 0.00182 | 0.000163 |
| 2066 Mar | 0.0000041 | 2.2 | 0.00217 | 2.54 | 0.0332 | 0.000909 | 1.44 | 0.00403 | 0.00445 | 0.0000454 | 0.000191 | 0.0000908 | 0.0733 | 0.00000605 | 0.000215 | 0.000371 | 0.00183 | 0.000163 |
| 2066 Apr | 0.00000412 | 2.21 | 0.00217 | 2.54 | 0.0333 | 0.000912 | 1.44 | 0.00403 | 0.00445 | 0.0000454 | 0.000192 | 0.000091 | 0.0733 | 0.00000606 | 0.000217 | 0.000372 | 0.00183 | 0.000163 |
| 2066 May | 0.00000414 | 2.22 | 0.00218 | 2.55 | 0.0334 | 0.000916 | 1.45 | 0.00403 | 0.00446 | 0.0000455 | 0.000193 | 0.0000915 | 0.0735 | 0.00000608 | 0.000218 | 0.000373 | 0.00184 | 0.000163 |
| 2066 Jun | 0.000004 | 2.16 | 0.00214 | 2.5 | 0.0327 | 0.000882 | 1.42 | 0.00392 | 0.00439 | 0.0000446 | 0.000186 | 0.0000884 | 0.0721 | 0.00000594 | 0.000209 | 0.000362 | 0.00179 | 0.000157 |
| 2066 Jul | 0.00000412 | 2.24 | 0.0022 | 2.58 | 0.0337 | 0.000909 | 1.47 | 0.00399 | 0.00451 | 0.0000456 | 0.000192 | 0.0000916 | 0.0746 | 0.00000611 | 0.000216 | 0.000373 | 0.00184 | 0.000158 |
| 2066 Aug | 0.00000417 | 2.28 | 0.00224 | 2.62 | 0.0341 | 0.000923 | 1.49 | 0.004 | 0.00455 | 0.000046 | 0.000196 | 0.0000934 | 0.0758 | 0.00000617 | 0.00022 | 0.000376 | 0.00186 | 0.000158 |
| 2066 Sep | 0.0000042 | 2.28 | 0.00224 | 2.62 | 0.0341 | 0.000926 | 1.49 | 0.00399 | 0.00455 | 0.0000459 | 0.000197 | 0.0000937 | 0.0758 | 0.00000619 | 0.000222 | 0.000378 | 0.00187 | 0.000157 |
| 2066 Oct | 0.00000414 | 2.25 | 0.00221 | 2.59 | 0.0337 | 0.000911 | 1.47 | 0.00396 | 0.00451 | 0.0000458 | 0.000193 | 0.0000921 | 0.0749 | 0.00000612 | 0.000218 | 0.000373 | 0.00185 | 0.000155 |
| 2066 Nov | 0.00000412 | 2.24 | 0.0022 | 2.57 | 0.0336 | 0.000906 | 1.47 | 0.00395 | 0.00449 | 0.000046 | 0.000192 | 0.0000914 | 0.0745 | 0.0000061 | 0.000216 | 0.000372 | 0.00184 | 0.000155 |
| 2066 Dec | 0.00000413 | 2.24 | 0.0022 | 2.57 | 0.0336 | 0.000907 | 1.46 | 0.00395 | 0.00449 | 0.000046 | 0.000192 | 0.0000915 | 0.0744 | 0.00000611 | 0.000217 | 0.000372 | 0.00184 | 0.000155 |
| 2067 Jan | 0.00000414 | 2.24 | 0.0022 | 2.57 | 0.0336 | 0.000909 | 1.46 | 0.00395 | 0.00449 | 0.000046 | 0.000193 | 0.0000916 | 0.0744 | 0.00000611 | 0.000218 | 0.000373 | 0.00185 | 0.000155 |
| 2067 Feb | 0.00000416 | 2.24 | 0.0022 | 2.57 | 0.0336 | 0.000912 | 1.46 | 0.00395 | 0.00449 | 0.000046 | 0.000194 | 0.0000917 | 0.0744 | 0.00000612 | 0.000219 | 0.000374 | 0.00185 | 0.000155 |
| 2067 Mar | 0.00000418 | 2.24 | 0.0022 | 2.57 | 0.0336 | 0.000915 | 1.46 | 0.00395 | 0.00449 | 0.0000461 | 0.000195 | 0.0000919 | 0.0743 | 0.00000613 | 0.00022 | 0.000375 | 0.00185 | 0.000155 |
| 2067 Apr | 0.0000042 | 2.25 | 0.0022 | 2.57 | 0.0336 | 0.000918 | 1.46 | 0.00396 | 0.00449 | 0.0000461 | 0.000196 | 0.0000921 | 0.0743 | 0.00000615 | 0.000222 | 0.000377 | 0.00186 | 0.000155 |
| 2067 May | 0.00000426 | 2.27 | 0.00222 | 2.58 | 0.0338 | 0.000929 | 1.47 | 0.00395 | 0.0045 | 0.0000462 | 0.000199 | 0.0000933 | 0.0748 | 0.00000619 | 0.000227 | 0.00038 | 0.00187 | 0.000153 |
| 2067 Jun | 0.00000401 | 2.19 | 0.00216 | 2.52 | 0.0329 | 0.000877 | 1.44 | 0.00384 | 0.00442 | 0.000045 | 0.000186 | 0.0000886 | 0.073 | 0.00000598 | 0.000209 | 0.000363 | 0.00181 | 0.000149 |
| 2067 Jul | 0.00000409 | 2.24 | 0.00221 | 2.58 | 0.0336 | 0.000896 | 1.47 | 0.0039 | 0.00451 | 0.0000459 | 0.00019 | 0.0000909 | 0.0749 | 0.0000061 | 0.000213 | 0.00037 | 0.00184 | 0.00015 |
| 2067 Aug | 0.0000041 | 2.25 | 0.00221 | 2.58 | 0.0337 | 0.000897 | 1.48 | 0.00388 | 0.00451 | 0.0000458 | 0.000191 | 0.0000912 | 0.0751 | 0.0000061 | 0.000214 | 0.00037 | 0.00184 | 0.000148 |
| 2067 Sep | 0.00000414 | 2.26 | 0.00222 | 2.59 | 0.0338 | 0.000904 | 1.48 | 0.00389 | 0.00452 | 0.000046 | 0.000193 | 0.0000919 | 0.0753 | 0.00000614 | 0.000217 | 0.000373 | 0.00185 | 0.000148 |
| 2067 Oct | 0.00000412 | 2.25 | 0.00221 | 2.57 | 0.0336 | 0.000898 | 1.47 | 0.00387 | 0.0045 | 0.000046 | 0.000191 | 0.0000911 | 0.0748 | 0.00000611 | 0.000216 | 0.000371 | 0.00185 | 0.000148 |
| 2067 Nov | 0.00000414 | 2.25 | 0.00221 | 2.57 | 0.0336 | 0.0009 | 1.47 | 0.00387 | 0.0045 | 0.0000461 | 0.000192 | 0.0000911 | 0.0747 | 0.00000612 | 0.000217 | 0.000372 | 0.00185 | 0.000148 |
| 2067 Dec | 0.00000416 | 2.25 | 0.00221 | 2.57 | 0.0336 | 0.000902 | 1.47 | 0.00387 | 0.0045 | 0.0000461 | 0.000193 | 0.0000913 | 0.0747 | 0.00000613 | 0.000218 | 0.000373 | 0.00185 | 0.000148 |
| 2068 Jan | 0.00000417 | 2.25 | 0.00221 | 2.57 | 0.0336 | 0.000905 | 1.47 | 0.00387 | 0.0045 | 0.0000462 | 0.000193 | 0.0000914 | 0.0746 | 0.00000614 | 0.000219 | 0.000374 | 0.00186 | 0.000147 |
| 2068 Feb | 0.00000419 | 2.25 | 0.00221 | 2.57 | 0.0336 | 0.000907 | 1.47 | 0.00387 | 0.0045 | 0.0000462 | 0.000194 | 0.0000916 | 0.0746 | 0.00000615 | 0.00022 | 0.000375 | 0.00186 | 0.000147 |
| 2068 Mar | 0.0000042 | 2.25 | 0.00221 | 2.57 | 0.0336 | 0.000909 | 1.47 | 0.00388 | 0.0045 | 0.0000462 | 0.000195 | 0.0000917 | 0.0746 | 0.00000616 | 0.000221 | 0.000376 | 0.00186 | 0.000147 |
| 2068 Apr | 0.00000422 | 2.26 | 0.00221 | 2.57 | 0.0336 | 0.000913 | 1.47 | 0.00388 | 0.00451 | 0.0000463 | 0.000196 | 0.000092 | 0.0747 | 0.00000617 | 0.000223 | 0.000377 | 0.00187 | 0.000148 |
| 2068 May | 0.00000422 | 2.26 | 0.00221 | 2.57 | 0.0336 | 0.000912 | 1.47 | 0.00386 | 0.0045 | 0.0000462 | 0.000196 | 0.000092 | 0.0747 | 0.00000617 | 0.000223 | 0.000377 | 0.00186 | 0.000146 |
| 2068 Jun | 0.00000388 | 2.13 | 0.00212 | 2.45 | 0.0321 | 0.000837 | 1.4 | 0.0037 | 0.00436 | 0.0000444 | 0.000177 | 0.0000849 | 0.0714 | 0.00000585 | 0.000199 | 0.000353 | 0.00177 | 0.00014 |
| 2068 Jul | 0.00000397 | 2.18 | 0.00216 | 2.51 | 0.0327 | 0.000855 | 1.44 | 0.00375 | 0.00444 | 0.0000452 | 0.000182 | 0.000087 | 0.0731 | 0.00000597 | 0.000204 | 0.00036 | 0.0018 | 0.000141 |
| 2068 Aug | 0.00000406 | 2.23 | 0.00221 | 2.56 | 0.0335 | 0.000876 | 1.47 | 0.0038 | 0.00452 | 0.000046 | 0.000187 | 0.0000895 | 0.0748 | 0.00000609 | 0.00021 | 0.000367 | 0.00184 | 0.000142 |
| 2068 Sep | 0.00000408 | 2.25 | 0.00222 | 2.58 | 0.0336 | 0.000882 | 1.48 | 0.00379 | 0.00452 | 0.0000459 | 0.000188 | 0.0000902 | 0.0752 | 0.00000611 | 0.000212 | 0.000368 | 0.00184 | 0.00014 |
| 2068 Oct | 0.00000411 | 2.26 | 0.00222 | 2.58 | 0.0337 | 0.000886 | 1.48 | 0.0038 | 0.00453 | 0.000046 | 0.00019 | 0.0000906 | 0.0753 | 0.00000613 | 0.000214 | 0.00037 | 0.00185 | 0.000141 |
| 2068 Nov | 0.00000413 | 2.26 | 0.00222 | 2.58 | 0.0337 | 0.000889 | 1.48 | 0.0038 | 0.00453 | 0.0000461 | 0.00019 | 0.0000908 | 0.0754 | 0.00000614 | 0.000215 | 0.000371 | 0.00186 | 0.000141 |
| 2068 Dec | 0.00000414 | 2.26 | 0.00222 | 2.58 | 0.0337 | 0.000891 | 1.48 | 0.0038 | 0.00453 | 0.0000461 | 0.000191 | 0.0000909 | 0.0753 | 0.00000615 | 0.000216 | 0.000372 | 0.00186 | 0.00014 |
| 2069 Jan | 0.00000415 | 2.26 | 0.00222 | 2.58 | 0.0337 | 0.000893 | 1.48 | 0.0038 | 0.00453 | 0.0000461 | 0.000191 | 0.000091 | 0.0753 | 0.00000615 | 0.000217 | 0.000373 | 0.00186 | 0.00014 |
| 2069 Feb | 0.00000416 | 2.26 | 0.00222 | 2.58 | 0.0337 | 0.000894 | 1.48 | 0.0038 | 0.00453 | 0.0000462 | 0.000192 | 0.0000911 | 0.0753 | 0.00000616 | 0.000217 | 0.000373 | 0.00186 | 0.00014 |
| 2069 Mar | 0.00000417 | 2.26 | 0.00222 | 2.58 | 0.0337 | 0.000896 | 1.48 | 0.0038 | 0.00453 | 0.0000462 | 0.000192 | 0.0000912 | 0.0753 | 0.00000617 | 0.000218 | 0.000374 | 0.00186 | 0.00014 |
| 2069 Apr | 0.00000418 | 2.27 | 0.00223 | 2.58 | 0.0337 | 0.000897 | 1.48 | 0.0038 | 0.00453 | 0.0000462 | 0.000193 | 0.0000913 | 0.0753 | 0.00000617 | 0.000219 | 0.000374 | 0.00186 | 0.00014 |
| 2069 May | 0.00000422 | 2.28 | 0.00224 | 2.6 | 0.0339 | 0.000906 | 1.49 | 0.00382 | 0.00455 | 0.0000464 | 0.000195 | 0.0000922 | 0.0758 | 0.00000621 | 0.000222 | 0.000377 | 0.00188 | 0.000141 |
| 2069 Jun | 0.00000406 | 2.25 | 0.00221 | 2.57 | 0.0335 | 0.000876 | 1.48 | 0.00373 | 0.0045 | 0.0000456 | 0.000188 | 0.00009 | 0.0752 | 0.00000608 | 0.000211 | 0.000366 | 0.00184 | 0.000136 |
| 2069 Jul | 0.00000413 | 2.3 | 0.00226 | 2.63 | 0.0342 | 0.000893 | 1.52 | 0.00379 | 0.00459 | 0.0000465 | 0.000191 | 0.0000921 | 0.077 | 0.0000062 | 0.000215 | 0.000373 | 0.00187 | 0.000137 |
| 2069 Aug | 0.00000418 | 2.33 | 0.00229 | 2.66 | 0.0346 | 0.000903 | 1.53 | 0.0038 | 0.00463 | 0.0000467 | 0.000194 | 0.0000935 | 0.0779 | 0.00000625 | 0.000218 | 0.000376 | 0.00189 | 0.000137 |
| 2069 Sep | 0.00000412 | 2.3 | 0.00226 | 2.62 | 0.0341 | 0.000889 | 1.51 | 0.00375 | 0.00457 | 0.0000462 | 0.000191 | 0.0000918 | 0.0768 | 0.00000618 | 0.000215 | 0.000372 | 0.00187 | 0.000135 |
| 2069 Oct | 0.00000413 | 2.28 | 0.00225 | 2.61 | 0.034 | 0.000887 | 1.5 | 0.00375 | 0.00456 | 0.0000462 | 0.000191 | 0.0000914 | 0.0763 | 0.00000617 | 0.000215 | 0.000372 | 0.00186 | 0.000135 |
| 2069 Nov | 0.00000415 | 2.29 | 0.00225 | 2.61 | 0.034 | 0.00089 | 1.5 | 0.00375 | 0.00456 | 0.0000463 | 0.000191 | 0.0000915 | 0.0763 | 0.00000618 | 0.000216 | 0.000373 | 0.00187 | 0.000135 |
| 2069 Dec | 0.00000415 | 2.29 | 0.00225 | 2.61 | 0.034 | 0.00089 | 1.5 | 0.00375 | 0.00456 | 0.0000463 | 0.000191 | 0.0000915 | 0.0763 | 0.00000618 | 0.000216 | 0.000373 | 0.00187 | 0.000135 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 23 | 0.00742 | 0.00318 | 0.000464 | 4.41 | 0.0292 | 3.34 | 0.00000464 | 0.00238 | 0.000229 | 0.00464 | 0.00764 | 0.00000929 | 3.61 | 0.00000255 | 0.0000464 | 0.0000619 | 0.00024 | 0.00657 |
| Operation (Jan., 2024 to Jun., 2028): Average | 24.8 | 0.00813 | 0.00352 | 0.0005 | 4.86 | 0.0314 | 3.6 | 0.000005 | 0.00274 | 0.000247 | 0.005 | 0.00825 | 0.00000999 | 3.89 | 0.0000027 | 0.00005 | 0.0000682 | 0.000257 | 0.00755 |
| Operation (Jan., 2024 to Jun., 2028): Max | 26.6 | 0.00887 | 0.00392 | 0.000522 | 5.34 | 0.0335 | 3.83 | 0.00000522 | 0.00295 | 0.000263 | 0.00522 | 0.00898 | 0.0000104 | 4.18 | 0.00000284 | 0.0000522 | 0.0000738 | 0.000268 | 0.00802 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 24.8 | 0.00771 | 0.00341 | 0.000501 | 4.73 | 0.0316 | 3.59 | 0.00000501 | 0.00239 | 0.000246 | 0.00501 | 0.00829 | 0.00001 | 3.9 | 0.00000262 | 0.0000501 | 0.000066 | 0.000255 | 0.00651 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 26.3 | 0.0085 | 0.00378 | 0.000522 | 5.2 | 0.0333 | 3.8 | 0.00000522 | 0.00281 | 0.000261 | 0.00522 | 0.00879 | 0.0000104 | 4.13 | 0.00000286 | 0.0000522 | 0.0000733 | 0.000269 | 0.00765 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 27.8 | 0.00924 | 0.00418 | 0.000544 | 5.67 | 0.035 | 4 | 0.00000544 | 0.00313 | 0.000277 | 0.00544 | 0.00938 | 0.0000109 | 4.38 | 0.00000314 | 0.0000544 | 0.0000789 | 0.00028 | 0.00827 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 23.3 | 0.00731 | 0.00298 | 0.000481 | 4.27 | 0.0299 | 3.45 | 0.00000481 | 0.0022 | 0.000231 | 0.00481 | 0.00762 | 0.00000962 | 3.64 | 0.00000259 | 0.0000481 | 0.0000597 | 0.00025 | 0.00628 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 25.7 | 0.00839 | 0.00364 | 0.000513 | 5.02 | 0.0326 | 3.74 | 0.00000513 | 0.00274 | 0.000255 | 0.00513 | 0.00859 | 0.0000103 | 4.03 | 0.00000281 | 0.0000513 | 0.0000704 | 0.000264 | 0.00736 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 28.1 | 0.00931 | 0.00426 | 0.000542 | 5.76 | 0.0352 | 4.01 | 0.00000542 | 0.0032 | 0.000278 | 0.00542 | 0.0095 | 0.0000108 | 4.42 | 0.00000303 | 0.0000542 | 0.0000785 | 0.000276 | 0.00827 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 23 | 0.00742 | 0.00324 | 0.000464 | 4.49 | 0.0292 | 3.34 | 0.00000464 | 0.00259 | 0.000229 | 0.00464 | 0.00764 | 0.00000929 | 3.61 | 0.00000256 | 0.0000464 | 0.0000636 | 0.00024 | 0.00696 |
| 2024 Feb | 23 | 0.00742 | 0.00325 | 0.000464 | 4.49 | 0.0292 | 3.34 | 0.00000464 | 0.00259 | 0.000229 | 0.00464 | 0.00764 | 0.00000929 | 3.61 | 0.00000256 | 0.0000464 | 0.0000636 | 0.00024 | 0.00696 |
| 2024 Mar | 23 | 0.00743 | 0.00325 | 0.000464 | 4.49 | 0.0292 | 3.34 | 0.00000464 | 0.00259 | 0.000229 | 0.00464 | 0.00765 | 0.00000929 | 3.61 | 0.00000256 | 0.0000464 | 0.0000636 | 0.00024 | 0.00696 |
| 2024 Apr | 23 | 0.00743 | 0.00325 | 0.000465 | 4.49 | 0.0292 | 3.34 | 0.00000465 | 0.00259 | 0.000229 | 0.00465 | 0.00765 | 0.00000929 | 3.61 | 0.00000256 | 0.0000465 | 0.0000636 | 0.00024 | 0.00696 |
| 2024 May | 23.1 | 0.00749 | 0.00322 | 0.000467 | 4.46 | 0.0293 | 3.36 | 0.00000467 | 0.00259 | 0.000229 | 0.00467 | 0.00768 | 0.00000934 | 3.61 | 0.00000257 | 0.0000467 | 0.0000632 | 0.000241 | 0.00689 |
| 2024 Jun | 23.4 | 0.00773 | 0.00318 | 0.000473 | 4.41 | 0.0296 | 3.43 | 0.00000473 | 0.00251 | 0.00023 | 0.00473 | 0.0078 | 0.00000946 | 3.64 | 0.00000255 | 0.0000473 | 0.0000619 | 0.000243 | 0.00657 |
| 2024 Jul | 23.8 | 0.00781 | 0.00325 | 0.000482 | 4.51 | 0.0302 | 3.48 | 0.00000482 | 0.00258 | 0.000234 | 0.00482 | 0.00795 | 0.00000964 | 3.71 | 0.0000026 | 0.0000482 | 0.0000639 | 0.000247 | 0.00679 |
| 2024 Aug | 24 | 0.00775 | 0.00327 | 0.000489 | 4.55 | 0.0304 | 3.5 | 0.00000489 | 0.00268 | 0.000237 | 0.00489 | 0.00801 | 0.00000979 | 3.74 | 0.00000263 | 0.0000489 | 0.000065 | 0.000251 | 0.0071 |
| 2024 Sep | 23.4 | 0.00772 | 0.00318 | 0.000486 | 4.45 | 0.0298 | 3.43 | 0.00000486 | 0.00275 | 0.000233 | 0.00486 | 0.00777 | 0.00000972 | 3.66 | 0.0000026 | 0.0000486 | 0.0000632 | 0.000248 | 0.00744 |
| 2024 Oct | 23.4 | 0.00775 | 0.00318 | 0.000487 | 4.45 | 0.0297 | 3.43 | 0.00000487 | 0.00278 | 0.000233 | 0.00487 | 0.00775 | 0.00000975 | 3.66 | 0.00000261 | 0.0000487 | 0.0000632 | 0.000249 | 0.00753 |
| 2024 Nov | 23.4 | 0.00772 | 0.00318 | 0.000488 | 4.46 | 0.0298 | 3.43 | 0.00000488 | 0.00281 | 0.000234 | 0.00488 | 0.00775 | 0.00000975 | 3.67 | 0.00000265 | 0.0000488 | 0.0000636 | 0.000251 | 0.00755 |
| 2024 Dec | 23.4 | 0.00772 | 0.00319 | 0.000488 | 4.46 | 0.0298 | 3.43 | 0.00000488 | 0.00281 | 0.000234 | 0.00488 | 0.00775 | 0.00000976 | 3.67 | 0.00000265 | 0.0000488 | 0.0000636 | 0.000251 | 0.00755 |
| 2025 Jan | 23.4 | 0.00772 | 0.00319 | 0.000488 | 4.46 | 0.0298 | 3.43 | 0.00000488 | 0.00281 | 0.000234 | 0.00488 | 0.00775 | 0.00000976 | 3.67 | 0.00000265 | 0.0000488 | 0.0000636 | 0.000251 | 0.00755 |
| 2025 Feb | 23.4 | 0.00772 | 0.00319 | 0.000488 | 4.46 | 0.0298 | 3.43 | 0.00000488 | 0.00281 | 0.000234 | 0.00488 | 0.00775 | 0.00000976 | 3.67 | 0.00000265 | 0.0000488 | 0.0000636 | 0.000251 | 0.00755 |
| 2025 Mar | 23.4 | 0.00772 | 0.00319 | 0.000488 | 4.46 | 0.0298 | 3.43 | 0.00000488 | 0.00281 | 0.000234 | 0.00488 | 0.00775 | 0.00000976 | 3.67 | 0.00000265 | 0.0000488 | 0.0000636 | 0.000251 | 0.00755 |
| 2025 Apr | 23.4 | 0.00772 | 0.00319 | 0.000488 | 4.46 | 0.0298 | 3.43 | 0.00000488 | 0.00281 | 0.000234 | 0.00488 | 0.00776 | 0.00000976 | 3.67 | 0.00000265 | 0.0000488 | 0.0000636 | 0.000251 | 0.00755 |
| 2025 May | 23.6 | 0.00777 | 0.00321 | 0.000491 | 4.49 | 0.03 | 3.45 | 0.00000491 | 0.00283 | 0.000235 | 0.00491 | 0.0078 | 0.00000982 | 3.69 | 0.00000266 | 0.0000491 | 0.000064 | 0.000252 | 0.00759 |
| 2025 Jun | 24.6 | 0.00821 | 0.00346 | 0.000492 | 4.78 | 0.0311 | 3.57 | 0.00000492 | 0.0026 | 0.000243 | 0.00492 | 0.00819 | 0.00000984 | 3.85 | 0.00000263 | 0.0000492 | 0.0000666 | 0.000252 | 0.00715 |
| 2025 Jul | 25.7 | 0.00861 | 0.0037 | 0.000504 | 5.06 | 0.0324 | 3.72 | 0.00000504 | 0.00254 | 0.000254 | 0.00504 | 0.00861 | 0.0000101 | 4.03 | 0.00000267 | 0.0000504 | 0.00007 | 0.000257 | 0.00709 |
| 2025 Aug | 25.9 | 0.00856 | 0.00372 | 0.000513 | 5.11 | 0.0327 | 3.75 | 0.00000513 | 0.00266 | 0.000257 | 0.00513 | 0.00868 | 0.0000103 | 4.07 | 0.00000271 | 0.0000513 | 0.0000712 | 0.000261 | 0.00743 |
| 2025 Sep | 24.9 | 0.00819 | 0.00355 | 0.000505 | 4.92 | 0.0315 | 3.61 | 0.00000505 | 0.00278 | 0.00025 | 0.00505 | 0.00829 | 0.0000101 | 3.92 | 0.00000266 | 0.0000505 | 0.0000681 | 0.000257 | 0.00786 |
| 2025 Oct | 24.7 | 0.00802 | 0.00353 | 0.000504 | 4.89 | 0.0314 | 3.59 | 0.00000504 | 0.00291 | 0.000249 | 0.00504 | 0.00818 | 0.0000101 | 3.9 | 0.00000279 | 0.0000504 | 0.0000688 | 0.000261 | 0.00798 |
| 2025 Nov | 24.8 | 0.00799 | 0.00354 | 0.000505 | 4.9 | 0.0315 | 3.59 | 0.00000505 | 0.00294 | 0.000249 | 0.00505 | 0.00818 | 0.0000101 | 3.9 | 0.00000282 | 0.0000505 | 0.0000691 | 0.000262 | 0.00799 |
| 2025 Dec | 24.8 | 0.00799 | 0.00354 | 0.000505 | 4.9 | 0.0315 | 3.59 | 0.00000505 | 0.00294 | 0.000249 | 0.00505 | 0.00818 | 0.0000101 | 3.9 | 0.00000282 | 0.0000505 | 0.0000691 | 0.000262 | 0.00799 |
| 2026 Jan | 24.8 | 0.00799 | 0.00354 | 0.000505 | 4.9 | 0.0315 | 3.59 | 0.00000505 | 0.00294 | 0.000249 | 0.00505 | 0.00818 | 0.0000101 | 3.9 | 0.00000282 | 0.0000505 | 0.0000691 | 0.000262 | 0.00799 |
| 2026 Feb | 24.8 | 0.00799 | 0.00354 | 0.000505 | 4.9 | 0.0315 | 3.59 | 0.00000505 | 0.00294 | 0.000249 | 0.00505 | 0.00818 | 0.0000101 | 3.9 | 0.00000282 | 0.0000505 | 0.0000691 | 0.000262 | 0.00799 |
| 2026 Mar | 24.8 | 0.00799 | 0.00354 | 0.000505 | 4.9 | 0.0315 | 3.59 | 0.00000505 | 0.00294 | 0.000249 | 0.00505 | 0.00818 | 0.0000101 | 3.9 | 0.00000282 | 0.0000505 | 0.0000691 | 0.000262 | 0.00799 |
| 2026 Apr | 24.8 | 0.008 | 0.00355 | 0.000505 | 4.91 | 0.0315 | 3.59 | 0.00000505 | 0.00294 | 0.000249 | 0.00505 | 0.00819 | 0.0000101 | 3.91 | 0.00000283 | 0.0000505 | 0.0000692 | 0.000262 | 0.008 |
| 2026 May | 24.9 | 0.00803 | 0.00356 | 0.000507 | 4.92 | 0.0316 | 3.61 | 0.00000507 | 0.00295 | 0.00025 | 0.00507 | 0.00822 | 0.0000101 | 3.92 | 0.00000284 | 0.0000507 | 0.0000694 | 0.000263 | 0.00802 |
| 2026 Jun | 25.3 | 0.00835 | 0.0036 | 0.000503 | 4.95 | 0.0319 | 3.67 | 0.00000503 | 0.00267 | 0.000251 | 0.00503 | 0.00841 | 0.0000101 | 3.96 | 0.00000274 | 0.0000503 | 0.0000685 | 0.000259 | 0.00727 |
| 2026 Jul | 25.7 | 0.00846 | 0.00368 | 0.00051 | 5.06 | 0.0325 | 3.73 | 0.0000051 | 0.00271 | 0.000255 | 0.0051 | 0.00858 | 0.0000102 | 4.03 | 0.00000277 | 0.000051 | 0.0000705 | 0.000262 | 0.00742 |
| 2026 Aug | 25.7 | 0.00833 | 0.00368 | 0.000516 | 5.07 | 0.0326 | 3.73 | 0.00000516 | 0.00282 | 0.000256 | 0.00516 | 0.00859 | 0.0000103 | 4.04 | 0.00000279 | 0.0000516 | 0.0000715 | 0.000265 | 0.00774 |
| 2026 Sep | 25.7 | 0.00831 | 0.00366 | 0.000518 | 5.06 | 0.0326 | 3.72 | 0.00000518 | 0.00286 | 0.000257 | 0.00518 | 0.00856 | 0.0000104 | 4.04 | 0.0000028 | 0.0000518 | 0.0000713 | 0.000266 | 0.00788 |
| 2026 Oct | 25.7 | 0.00834 | 0.00367 | 0.000519 | 5.07 | 0.0326 | 3.72 | 0.00000519 | 0.00287 | 0.000257 | 0.00519 | 0.00857 | 0.0000104 | 4.04 | 0.0000028 | 0.0000519 | 0.0000714 | 0.000266 | 0.00793 |
| 2026 Nov | 25.7 | 0.00834 | 0.00367 | 0.000519 | 5.07 | 0.0326 | 3.73 | 0.00000519 | 0.00288 | 0.000257 | 0.00519 | 0.00857 | 0.0000104 | 4.05 | 0.00000281 | 0.0000519 | 0.0000715 | 0.000267 | 0.00793 |
| 2026 Dec | 25.7 | 0.00834 | 0.00367 | 0.000519 | 5.07 | 0.0326 | 3.73 | 0.00000519 | 0.00288 | 0.000257 | 0.00519 | 0.00857 | 0.0000104 | 4.05 | 0.00000281 | 0.0000519 | 0.0000715 | 0.000267 | 0.00793 |
| 2027 Jan | 25.7 | 0.00834 | 0.00367 | 0.000519 | 5.07 | 0.0326 | 3.73 | 0.00000519 | 0.00288 | 0.000257 | 0.00519 | 0.00857 | 0.0000104 | 4.05 | 0.00000281 | 0.0000519 | 0.0000715 | 0.000267 | 0.00793 |
| 2027 Feb | 25.7 | 0.00834 | 0.00367 | 0.000519 | 5.07 | 0.0326 | 3.73 | 0.00000519 | 0.00288 | 0.000257 | 0.00519 | 0.00857 | 0.0000104 | 4.05 | 0.00000281 | 0.0000519 | 0.0000715 | 0.000267 | 0.00793 |
| 2027 Mar | 25.7 | 0.00834 | 0.00367 | 0.000519 | 5.07 | 0.0326 | 3.73 | 0.00000519 | 0.00288 | 0.000257 | 0.00519 | 0.00858 | 0.0000104 | 4.05 | 0.00000281 | 0.0000519 | 0.0000715 | 0.000267 | 0.00793 |
| 2027 Apr | 25.8 | 0.00835 | 0.00368 | 0.00052 | 5.08 | 0.0327 | 3.73 | 0.0000052 | 0.00288 | 0.000257 | 0.0052 | 0.00859 | 0.0000104 | 4.05 | 0.00000281 | 0.000052 | 0.0000716 | 0.000267 | 0.00794 |
| 2027 May | 25.9 | 0.0084 | 0.00368 | 0.000522 | 5.08 | 0.0328 | 3.75 | 0.00000522 | 0.00289 | 0.000258 | 0.00522 | 0.00862 | 0.0000104 | 4.07 | 0.00000282 | 0.0000522 | 0.0000716 | 0.000268 | 0.00794 |
| 2027 Jun | 26.1 | 0.00871 | 0.00379 | 0.000505 | 5.17 | 0.0328 | 3.77 | 0.00000505 | 0.00246 | 0.000257 | 0.00505 | 0.00877 | 0.0000101 | 4.09 | 0.00000267 | 0.0000505 | 0.0000709 | 0.000257 | 0.0069 |
| 2027 Jul | 26.6 | 0.00887 | 0.00392 | 0.000506 | 5.32 | 0.0334 | 3.82 | 0.00000506 | 0.00238 | 0.000261 | 0.00506 | 0.00897 | 0.0000101 | 4.17 | 0.00000265 | 0.0000506 | 0.0000729 | 0.000257 | 0.0068 |
| 2027 Aug | 26.6 | 0.00875 | 0.00392 | 0.000513 | 5.34 | 0.0335 | 3.83 | 0.00000513 | 0.0025 | 0.000263 | 0.00513 | 0.00898 | 0.0000103 | 4.18 | 0.00000268 | 0.0000513 | 0.0000738 | 0.00026 | 0.00714 |
| 2027 Sep | 25.8 | 0.00852 | 0.00377 | 0.000508 | 5.16 | 0.0325 | 3.71 | 0.00000508 | 0.00261 | 0.000257 | 0.00508 | 0.00865 | 0.0000102 | 4.06 | 0.00000264 | 0.0000508 | 0.0000711 | 0.000257 | 0.00751 |
| 2027 Oct | 25.2 | 0.00842 | 0.00367 | 0.000503 | 5.05 | 0.0319 | 3.64 | 0.00000503 | 0.0027 | 0.000252 | 0.00503 | 0.0084 | 0.0000101 | 3.98 | 0.00000268 | 0.0000503 | 0.0000699 | 0.000257 | 0.00771 |
| 2027 Nov | 25.3 | 0.00842 | 0.00367 | 0.000504 | 5.05 | 0.0319 | 3.65 | 0.00000504 | 0.00271 | 0.000253 | 0.00504 | 0.00841 | 0.0000101 | 3.98 | 0.00000269 | 0.0000504 | 0.0000701 | 0.000257 | 0.00772 |
| 2027 Dec | 25.3 | 0.00842 | 0.00367 | 0.000504 | 5.05 | 0.0319 | 3.65 | 0.00000504 | 0.00271 | 0.000253 | 0.00504 | 0.00841 | 0.0000101 | 3.98 | 0.00000269 | 0.0000504 | 0.0000701 | 0.000257 | 0.00772 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 25.2 | 0.00842 | 0.00367 | 0.000504 | 5.05 | 0.0319 | 3.65 | 0.00000504 | 0.00271 | 0.000253 | 0.00504 | 0.00841 | 0.0000101 | 3.98 | 0.00000269 | 0.0000504 | 0.00007 | 0.000257 | 0.00772 |
| 2028 Feb | 25.2 | 0.00842 | 0.00367 | 0.000504 | 5.05 | 0.0319 | 3.65 | 0.00000504 | 0.00271 | 0.000253 | 0.00504 | 0.00841 | 0.0000101 | 3.98 | 0.00000269 | 0.0000504 | 0.00007 | 0.000257 | 0.00772 |
| 2028 Mar | 25.3 | 0.00842 | 0.00368 | 0.000504 | 5.05 | 0.0319 | 3.65 | 0.00000504 | 0.00271 | 0.000253 | 0.00504 | 0.00841 | 0.0000101 | 3.98 | 0.00000269 | 0.0000504 | 0.00007 | 0.000258 | 0.00772 |
| 2028 Apr | 25.3 | 0.00842 | 0.00368 | 0.000504 | 5.05 | 0.0319 | 3.65 | 0.00000504 | 0.00271 | 0.000253 | 0.00504 | 0.00841 | 0.0000101 | 3.98 | 0.00000269 | 0.0000504 | 0.0000701 | 0.000258 | 0.00773 |
| 2028 May | 25.3 | 0.00845 | 0.00369 | 0.000506 | 5.07 | 0.032 | 3.66 | 0.00000506 | 0.00272 | 0.000254 | 0.00506 | 0.00844 | 0.0000101 | 4 | 0.0000027 | 0.0000506 | 0.0000703 | 0.000259 | 0.00775 |
| 2028 Jun | 26.1 | 0.00883 | 0.0039 | 0.000501 | 5.3 | 0.0328 | 3.75 | 0.00000501 | 0.00242 | 0.000259 | 0.00501 | 0.00877 | 0.00001 | 4.12 | 0.00000264 | 0.0000501 | 0.000072 | 0.000255 | 0.00707 |
| 2028 Jul | 26.7 | 0.009 | 0.00401 | 0.000506 | 5.44 | 0.0334 | 3.82 | 0.00000506 | 0.00239 | 0.000264 | 0.00506 | 0.00898 | 0.0000101 | 4.2 | 0.00000265 | 0.0000506 | 0.0000738 | 0.000257 | 0.00703 |
| 2028 Aug | 26.9 | 0.00898 | 0.00404 | 0.000515 | 5.49 | 0.0338 | 3.86 | 0.00000515 | 0.0025 | 0.000267 | 0.00515 | 0.00906 | 0.0000103 | 4.24 | 0.00000269 | 0.0000515 | 0.0000748 | 0.000261 | 0.00734 |
| 2028 Sep | 26.7 | 0.00896 | 0.004 | 0.000516 | 5.45 | 0.0336 | 3.84 | 0.00000516 | 0.00256 | 0.000266 | 0.00516 | 0.00897 | 0.0000103 | 4.22 | 0.00000269 | 0.0000516 | 0.0000742 | 0.000262 | 0.00752 |
| 2028 Oct | 26.2 | 0.00882 | 0.0039 | 0.000511 | 5.32 | 0.033 | 3.76 | 0.00000511 | 0.00265 | 0.000261 | 0.00511 | 0.00873 | 0.0000102 | 4.13 | 0.00000273 | 0.0000511 | 0.0000729 | 0.000261 | 0.0077 |
| 2028 Nov | 26.2 | 0.00875 | 0.0039 | 0.000511 | 5.32 | 0.033 | 3.76 | 0.00000511 | 0.00269 | 0.000261 | 0.00511 | 0.00872 | 0.0000102 | 4.13 | 0.00000278 | 0.0000511 | 0.0000733 | 0.000263 | 0.00771 |
| 2028 Dec | 26.2 | 0.00875 | 0.0039 | 0.000512 | 5.32 | 0.033 | 3.76 | 0.00000512 | 0.00269 | 0.000261 | 0.00512 | 0.00872 | 0.0000102 | 4.13 | 0.00000278 | 0.0000512 | 0.0000733 | 0.000263 | 0.00771 |
| 2029 Jan | 26.2 | 0.00875 | 0.0039 | 0.000512 | 5.32 | 0.033 | 3.76 | 0.00000512 | 0.00269 | 0.000261 | 0.00512 | 0.00872 | 0.0000102 | 4.13 | 0.00000278 | 0.0000512 | 0.0000733 | 0.000263 | 0.00771 |
| 2029 Feb | 26.2 | 0.00875 | 0.0039 | 0.000512 | 5.32 | 0.033 | 3.76 | 0.00000512 | 0.00269 | 0.000261 | 0.00512 | 0.00872 | 0.0000102 | 4.13 | 0.00000278 | 0.0000512 | 0.0000733 | 0.000263 | 0.00771 |
| 2029 Mar | 26.2 | 0.00875 | 0.0039 | 0.000512 | 5.32 | 0.033 | 3.76 | 0.00000512 | 0.00269 | 0.000261 | 0.00512 | 0.00872 | 0.0000102 | 4.13 | 0.00000278 | 0.0000512 | 0.0000733 | 0.000263 | 0.00771 |
| 2029 Apr | 26.2 | 0.00875 | 0.0039 | 0.000512 | 5.32 | 0.033 | 3.76 | 0.00000512 | 0.00269 | 0.000261 | 0.00512 | 0.00872 | 0.0000102 | 4.14 | 0.00000278 | 0.0000512 | 0.0000733 | 0.000263 | 0.00771 |
| 2029 May | 26.2 | 0.00878 | 0.00391 | 0.000513 | 5.34 | 0.0331 | 3.78 | 0.00000513 | 0.0027 | 0.000262 | 0.00513 | 0.00874 | 0.0000103 | 4.15 | 0.00000279 | 0.0000513 | 0.0000735 | 0.000264 | 0.00773 |
| 2029 Jun | 26.6 | 0.00898 | 0.00402 | 0.000509 | 5.45 | 0.0335 | 3.82 | 0.00000509 | 0.00252 | 0.000264 | 0.00509 | 0.00891 | 0.0000102 | 4.2 | 0.00000274 | 0.0000509 | 0.0000741 | 0.000261 | 0.00731 |
| 2029 Jul | 27.1 | 0.0091 | 0.00413 | 0.000509 | 5.57 | 0.0339 | 3.87 | 0.00000509 | 0.00239 | 0.000268 | 0.00509 | 0.00912 | 0.0000102 | 4.27 | 0.00000269 | 0.0000509 | 0.000076 | 0.000259 | 0.00706 |
| 2029 Aug | 26.9 | 0.00885 | 0.0041 | 0.000515 | 5.55 | 0.0339 | 3.85 | 0.00000515 | 0.00256 | 0.000268 | 0.00515 | 0.00908 | 0.0000103 | 4.26 | 0.00000272 | 0.0000515 | 0.0000771 | 0.000262 | 0.00754 |
| 2029 Sep | 26.6 | 0.00878 | 0.00402 | 0.000516 | 5.47 | 0.0335 | 3.81 | 0.00000516 | 0.00263 | 0.000266 | 0.00516 | 0.00894 | 0.0000103 | 4.21 | 0.00000271 | 0.0000516 | 0.0000759 | 0.000262 | 0.00778 |
| 2029 Oct | 26.6 | 0.00881 | 0.00401 | 0.000517 | 5.45 | 0.0335 | 3.8 | 0.00000517 | 0.00266 | 0.000266 | 0.00517 | 0.00891 | 0.0000103 | 4.21 | 0.00000272 | 0.0000517 | 0.0000756 | 0.000263 | 0.00787 |
| 2029 Nov | 26.6 | 0.00881 | 0.00401 | 0.000517 | 5.46 | 0.0335 | 3.81 | 0.00000517 | 0.00267 | 0.000266 | 0.00517 | 0.00891 | 0.0000103 | 4.21 | 0.00000273 | 0.0000517 | 0.0000757 | 0.000263 | 0.00788 |
| 2029 Dec | 26.6 | 0.00881 | 0.00401 | 0.000517 | 5.46 | 0.0335 | 3.81 | 0.00000517 | 0.00267 | 0.000266 | 0.00517 | 0.00891 | 0.0000103 | 4.21 | 0.00000273 | 0.0000517 | 0.0000757 | 0.000263 | 0.00788 |
| 2030 Jan | 26.6 | 0.00881 | 0.00401 | 0.000517 | 5.46 | 0.0335 | 3.81 | 0.00000517 | 0.00267 | 0.000266 | 0.00517 | 0.00891 | 0.0000103 | 4.21 | 0.00000273 | 0.0000517 | 0.0000757 | 0.000263 | 0.00788 |
| 2030 Feb | 26.6 | 0.00881 | 0.00401 | 0.000517 | 5.46 | 0.0335 | 3.81 | 0.00000517 | 0.00267 | 0.000266 | 0.00517 | 0.00891 | 0.0000103 | 4.21 | 0.00000273 | 0.0000517 | 0.0000757 | 0.000263 | 0.00788 |
| 2030 Mar | 26.6 | 0.00881 | 0.00401 | 0.000517 | 5.46 | 0.0335 | 3.81 | 0.00000517 | 0.00267 | 0.000266 | 0.00517 | 0.00891 | 0.0000103 | 4.21 | 0.00000273 | 0.0000517 | 0.0000757 | 0.000263 | 0.00788 |
| 2030 Apr | 26.6 | 0.00881 | 0.00401 | 0.000517 | 5.46 | 0.0335 | 3.81 | 0.00000517 | 0.00267 | 0.000266 | 0.00517 | 0.00892 | 0.0000103 | 4.21 | 0.00000273 | 0.0000517 | 0.0000758 | 0.000263 | 0.00788 |
| 2030 May | 26.7 | 0.00885 | 0.00403 | 0.000519 | 5.48 | 0.0336 | 3.82 | 0.00000519 | 0.00268 | 0.000267 | 0.00519 | 0.00896 | 0.0000104 | 4.23 | 0.00000274 | 0.0000519 | 0.0000761 | 0.000264 | 0.00792 |
| 2030 Jun | 27.1 | 0.00909 | 0.00412 | 0.000514 | 5.57 | 0.034 | 3.87 | 0.00000514 | 0.00245 | 0.000269 | 0.00514 | 0.00912 | 0.0000103 | 4.28 | 0.00000268 | 0.0000514 | 0.0000761 | 0.000261 | 0.00732 |
| 2030 Jul | 27.2 | 0.00905 | 0.00415 | 0.000515 | 5.61 | 0.0341 | 3.88 | 0.00000515 | 0.00246 | 0.00027 | 0.00515 | 0.00919 | 0.0000103 | 4.3 | 0.00000268 | 0.0000515 | 0.0000773 | 0.000261 | 0.00736 |
| 2030 Aug | 26.9 | 0.00875 | 0.00409 | 0.000519 | 5.55 | 0.0339 | 3.84 | 0.00000519 | 0.00262 | 0.000269 | 0.00519 | 0.00911 | 0.0000104 | 4.26 | 0.00000269 | 0.0000519 | 0.0000783 | 0.000263 | 0.00782 |
| 2030 Sep | 26.9 | 0.00867 | 0.00407 | 0.000522 | 5.54 | 0.0339 | 3.83 | 0.00000522 | 0.00268 | 0.000269 | 0.00522 | 0.00907 | 0.0000104 | 4.26 | 0.0000027 | 0.0000522 | 0.0000779 | 0.000264 | 0.00799 |
| 2030 Oct | 26.6 | 0.00843 | 0.00404 | 0.000519 | 5.49 | 0.0337 | 3.8 | 0.00000519 | 0.0028 | 0.000268 | 0.00519 | 0.00895 | 0.0000104 | 4.22 | 0.00000283 | 0.0000519 | 0.0000783 | 0.000267 | 0.00801 |
| 2030 Nov | 26.5 | 0.00824 | 0.00403 | 0.000516 | 5.47 | 0.0336 | 3.78 | 0.00000516 | 0.00288 | 0.000267 | 0.00516 | 0.00887 | 0.0000103 | 4.2 | 0.00000293 | 0.0000516 | 0.0000787 | 0.000269 | 0.00799 |
| 2030 Dec | 26.5 | 0.00824 | 0.00403 | 0.000516 | 5.47 | 0.0336 | 3.78 | 0.00000516 | 0.00288 | 0.000267 | 0.00516 | 0.00887 | 0.0000103 | 4.2 | 0.00000293 | 0.0000516 | 0.0000787 | 0.000269 | 0.00799 |
| 2031 Jan | 26.5 | 0.00824 | 0.00403 | 0.000516 | 5.47 | 0.0336 | 3.78 | 0.00000516 | 0.00288 | 0.000266 | 0.00516 | 0.00887 | 0.0000103 | 4.2 | 0.00000293 | 0.0000516 | 0.0000787 | 0.000269 | 0.00799 |
| 2031 Feb | 26.5 | 0.00824 | 0.00403 | 0.000516 | 5.47 | 0.0336 | 3.78 | 0.00000516 | 0.00288 | 0.000266 | 0.00516 | 0.00887 | 0.0000103 | 4.2 | 0.00000293 | 0.0000516 | 0.0000787 | 0.000269 | 0.00799 |
| 2031 Mar | 26.5 | 0.00824 | 0.00403 | 0.000516 | 5.47 | 0.0336 | 3.78 | 0.00000516 | 0.00288 | 0.000266 | 0.00516 | 0.00887 | 0.0000103 | 4.2 | 0.00000293 | 0.0000516 | 0.0000787 | 0.000269 | 0.00799 |
| 2031 Apr | 26.5 | 0.00826 | 0.00404 | 0.000517 | 5.48 | 0.0336 | 3.79 | 0.00000517 | 0.00288 | 0.000267 | 0.00517 | 0.00888 | 0.0000103 | 4.21 | 0.00000293 | 0.0000517 | 0.0000789 | 0.00027 | 0.008 |
| 2031 May | 26.6 | 0.00832 | 0.00403 | 0.00052 | 5.47 | 0.0338 | 3.81 | 0.0000052 | 0.00289 | 0.000268 | 0.0052 | 0.00892 | 0.0000104 | 4.22 | 0.00000294 | 0.000052 | 0.0000787 | 0.000271 | 0.00798 |
| 2031 Jun | 26.3 | 0.00846 | 0.00384 | 0.000515 | 5.25 | 0.0333 | 3.8 | 0.00000515 | 0.0027 | 0.000261 | 0.00515 | 0.00884 | 0.0000103 | 4.14 | 0.00000284 | 0.0000515 | 0.0000744 | 0.000266 | 0.00733 |
| 2031 Jul | 27.1 | 0.00872 | 0.00396 | 0.000528 | 5.41 | 0.0343 | 3.91 | 0.00000528 | 0.00275 | 0.000269 | 0.00528 | 0.0091 | 0.0000106 | 4.26 | 0.0000029 | 0.0000528 | 0.0000766 | 0.000273 | 0.00749 |
| 2031 Aug | 27.2 | 0.00865 | 0.00398 | 0.000535 | 5.44 | 0.0345 | 3.92 | 0.00000535 | 0.00285 | 0.000271 | 0.00535 | 0.00914 | 0.0000107 | 4.28 | 0.00000293 | 0.0000535 | 0.0000772 | 0.000276 | 0.00777 |
| 2031 Sep | 26.4 | 0.00827 | 0.00382 | 0.000528 | 5.26 | 0.0334 | 3.8 | 0.00000528 | 0.00295 | 0.000264 | 0.00528 | 0.0088 | 0.0000106 | 4.16 | 0.00000288 | 0.0000528 | 0.0000743 | 0.000272 | 0.00812 |
| 2031 Oct | 26.1 | 0.00802 | 0.0038 | 0.000524 | 5.22 | 0.0332 | 3.76 | 0.00000524 | 0.00308 | 0.000262 | 0.00524 | 0.00866 | 0.0000105 | 4.12 | 0.00000302 | 0.0000524 | 0.0000749 | 0.000275 | 0.00816 |
| 2031 Nov | 26.1 | 0.00797 | 0.0038 | 0.000524 | 5.23 | 0.0332 | 3.76 | 0.00000524 | 0.00311 | 0.000262 | 0.00524 | 0.00864 | 0.0000105 | 4.11 | 0.00000306 | 0.0000524 | 0.0000752 | 0.000276 | 0.00816 |
| 2031 Dec | 26.1 | 0.00797 | 0.0038 | 0.000524 | 5.22 | 0.0332 | 3.76 | 0.00000524 | 0.00311 | 0.000262 | 0.00524 | 0.00864 | 0.0000105 | 4.11 | 0.00000306 | 0.0000524 | 0.0000752 | 0.000276 | 0.00816 |
| 2032 Jan | 26.1 | 0.00797 | 0.0038 | 0.000524 | 5.22 | 0.0332 | 3.76 | 0.00000524 | 0.00311 | 0.000262 | 0.00524 | 0.00864 | 0.0000105 | 4.11 | 0.00000306 | 0.0000524 | 0.0000752 | 0.000276 | 0.00816 |
| 2032 Feb | 26.1 | 0.00797 | 0.0038 | 0.000524 | 5.22 | 0.0332 | 3.76 | 0.00000524 | 0.00311 | 0.000262 | 0.00524 | 0.00864 | 0.0000105 | 4.11 | 0.00000306 | 0.0000524 | 0.0000752 | 0.000276 | 0.00816 |
| 2032 Mar | 26.1 | 0.00797 | 0.0038 | 0.000524 | 5.22 | 0.0332 | 3.76 | 0.00000524 | 0.00311 | 0.000262 | 0.00524 | 0.00864 | 0.0000105 | 4.11 | 0.00000306 | 0.0000524 | 0.0000752 | 0.000276 | 0.00816 |
| 2032 Apr | 26.1 | 0.00797 | 0.0038 | 0.000524 | 5.23 | 0.0332 | 3.76 | 0.00000524 | 0.00311 | 0.000262 | 0.00524 | 0.00865 | 0.0000105 | 4.12 | 0.00000306 | 0.0000524 | 0.0000752 | 0.000276 | 0.00816 |
| 2032 May | 26.2 | 0.008 | 0.00382 | 0.000526 | 5.25 | 0.0333 | 3.78 | 0.00000526 | 0.00312 | 0.000263 | 0.00526 | 0.00868 | 0.0000105 | 4.13 | 0.00000307 | 0.0000526 | 0.0000755 | 0.000277 | 0.00819 |
| 2032 Jun | 26.7 | 0.00846 | 0.00398 | 0.000517 | 5.41 | 0.0338 | 3.84 | 0.00000517 | 0.00275 | 0.000266 | 0.00517 | 0.00893 | 0.0000103 | 4.21 | 0.00000292 | 0.0000517 | 0.0000758 | 0.000269 | 0.00744 |
| 2032 Jul | 26.8 | 0.00852 | 0.00403 | 0.000512 | 5.46 | 0.0338 | 3.83 | 0.00000512 | 0.00263 | 0.000266 | 0.00512 | 0.00899 | 0.0000102 | 4.22 | 0.00000284 | 0.0000512 | 0.0000764 | 0.000265 | 0.00726 |
| 2032 Aug | 26.7 | 0.00836 | 0.004 | 0.000517 | 5.45 | 0.0337 | 3.82 | 0.00000517 | 0.00274 | 0.000266 | 0.00517 | 0.00897 | 0.0000103 | 4.21 | 0.00000286 | 0.0000517 | 0.000077 | 0.000267 | 0.0076 |
| 2032 Sep | 26.6 | 0.00828 | 0.00398 | 0.000519 | 5.43 | 0.0337 | 3.81 | 0.00000519 | 0.0028 | 0.000266 | 0.00519 | 0.00893 | 0.0000104 | 4.2 | 0.00000286 | 0.0000519 | 0.0000766 | 0.000268 | 0.00778 |
| 2032 Oct | 26.6 | 0.00823 | 0.00398 | 0.000519 | 5.43 | 0.0337 | 3.81 | 0.00000519 | 0.00285 | 0.000267 | 0.00519 | 0.00891 | 0.0000104 | 4.2 | 0.00000291 | 0.0000519 | 0.0000769 | 0.00027 | 0.00783 |
| 2032 Nov | 26.6 | 0.00822 | 0.00399 | 0.00052 | 5.43 | 0.0337 | 3.81 | 0.0000052 | 0.00286 | 0.000267 | 0.0052 | 0.00891 | 0.0000104 | 4.21 | 0.00000293 | 0.000052 | 0.0000771 | 0.000271 | 0.00783 |
| 2032 Dec | 26.6 | 0.00822 | 0.00399 | 0.00052 | 5.43 | 0.0337 | 3.81 | 0.0000052 | 0.00286 | 0.000267 | 0.0052 | 0.00891 | 0.0000104 | 4.21 | 0.00000293 | 0.000052 | 0.0000771 | 0.000271 | 0.00783 |
| 2033 Jan | 26.6 | 0.00822 | 0.00399 | 0.00052 | 5.43 | 0.0337 | 3.81 | 0.0000052 | 0.00286 | 0.000267 | 0.0052 | 0.00891 | 0.0000104 | 4.21 | 0.00000293 | 0.000052 | 0.0000771 | 0.000271 | 0.00783 |
| 2033 Feb | 26.6 | 0.00822 | 0.00399 | 0.00052 | 5.43 | 0.0337 | 3.81 | 0.0000052 | 0.00286 | 0.000267 | 0.0052 | 0.00891 | 0.0000104 | 4.21 | 0.00000293 | 0.000052 | 0.0000771 | 0.000271 | 0.00783 |
| 2033 Mar | 26.6 | 0.00822 | 0.00399 | 0.00052 | 5.43 | 0.0337 | 3.81 | 0.0000052 | 0.00286 | 0.000267 | 0.0052 | 0.00891 | 0.0000104 | 4.21 | 0.00000293 | 0.000052 | 0.0000771 | 0.000271 | 0.00783 |
| 2033 Apr | 26.7 | 0.00823 | 0.00399 | 0.00052 | 5.44 | 0.0338 | 3.82 | 0.0000052 | 0.00287 | 0.000267 | 0.0052 | 0.00892 | 0.0000104 | 4.21 | 0.00000293 | 0.000052 | 0.0000772 | 0.000271 | 0.00784 |
| 2033 May | 26.5 | 0.00829 | 0.00388 | 0.000521 | 5.31 | 0.0336 | 3.82 | 0.00000521 | 0.00283 | 0.000264 | 0.00521 | 0.00888 | 0.0000104 | 4.17 | 0.00000291 | 0.0000521 | 0.0000752 | 0.00027 | 0.00764 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 25.8 | 0.00833 | 0.0036 | 0.000508 | 4.96 | 0.0326 | 3.75 | 0.00000508 | 0.00261 | 0.000253 | 0.00508 | 0.00864 | 0.0000102 | 4.01 | 0.00000276 | 0.0000508 | 0.0000695 | 0.000261 | 0.00687 |
| 2033 Jul | 26.1 | 0.00839 | 0.00366 | 0.000516 | 5.04 | 0.033 | 3.79 | 0.00000516 | 0.00267 | 0.000257 | 0.00516 | 0.00877 | 0.0000103 | 4.07 | 0.0000028 | 0.0000516 | 0.0000712 | 0.000265 | 0.00707 |
| 2033 Aug | 26.3 | 0.00836 | 0.00369 | 0.000524 | 5.09 | 0.0333 | 3.82 | 0.00000524 | 0.00278 | 0.00026 | 0.00524 | 0.00884 | 0.0000105 | 4.11 | 0.00000284 | 0.0000524 | 0.0000727 | 0.000269 | 0.00739 |
| 2033 Sep | 25.7 | 0.00824 | 0.0036 | 0.00052 | 4.99 | 0.0327 | 3.74 | 0.0000052 | 0.00285 | 0.000256 | 0.0052 | 0.00861 | 0.0000104 | 4.03 | 0.0000028 | 0.000052 | 0.0000709 | 0.000267 | 0.00767 |
| 2033 Oct | 25.5 | 0.00786 | 0.0036 | 0.000517 | 4.97 | 0.0325 | 3.71 | 0.00000517 | 0.00305 | 0.000255 | 0.00517 | 0.00846 | 0.0000103 | 4 | 0.00000303 | 0.0000517 | 0.0000724 | 0.000273 | 0.00775 |
| 2033 Nov | 25.5 | 0.00771 | 0.00361 | 0.000516 | 4.98 | 0.0325 | 3.7 | 0.00000516 | 0.00313 | 0.000255 | 0.00516 | 0.00842 | 0.0000103 | 3.99 | 0.00000313 | 0.0000516 | 0.0000732 | 0.000276 | 0.00775 |
| 2033 Dec | 25.5 | 0.00771 | 0.00361 | 0.000516 | 4.98 | 0.0325 | 3.7 | 0.00000516 | 0.00313 | 0.000255 | 0.00516 | 0.00842 | 0.0000103 | 3.99 | 0.00000313 | 0.0000516 | 0.0000732 | 0.000276 | 0.00775 |
| 2034 Jan | 25.5 | 0.00771 | 0.00361 | 0.000516 | 4.98 | 0.0325 | 3.7 | 0.00000516 | 0.00313 | 0.000255 | 0.00516 | 0.00842 | 0.0000103 | 3.99 | 0.00000313 | 0.0000516 | 0.0000732 | 0.000276 | 0.00775 |
| 2034 Feb | 25.5 | 0.00771 | 0.00361 | 0.000516 | 4.98 | 0.0325 | 3.7 | 0.00000516 | 0.00313 | 0.000255 | 0.00516 | 0.00842 | 0.0000103 | 3.99 | 0.00000313 | 0.0000516 | 0.0000732 | 0.000276 | 0.00775 |
| 2034 Mar | 25.5 | 0.00771 | 0.00361 | 0.000516 | 4.98 | 0.0325 | 3.7 | 0.00000516 | 0.00313 | 0.000255 | 0.00516 | 0.00842 | 0.0000103 | 3.99 | 0.00000313 | 0.0000516 | 0.0000732 | 0.000276 | 0.00775 |
| 2034 Apr | 25.5 | 0.00772 | 0.00361 | 0.000516 | 4.98 | 0.0326 | 3.71 | 0.00000516 | 0.00313 | 0.000255 | 0.00516 | 0.00842 | 0.0000103 | 4 | 0.00000313 | 0.0000516 | 0.0000733 | 0.000276 | 0.00776 |
| 2034 May | 25.6 | 0.00778 | 0.00361 | 0.000519 | 4.98 | 0.0327 | 3.73 | 0.00000519 | 0.00313 | 0.000256 | 0.00519 | 0.00846 | 0.0000104 | 4.01 | 0.00000314 | 0.0000519 | 0.0000731 | 0.000277 | 0.00774 |
| 2034 Jun | 25.4 | 0.00807 | 0.00349 | 0.00051 | 4.83 | 0.0323 | 3.72 | 0.0000051 | 0.00282 | 0.00025 | 0.0051 | 0.00846 | 0.0000102 | 3.95 | 0.00000295 | 0.000051 | 0.0000692 | 0.000268 | 0.00698 |
| 2034 Jul | 26 | 0.00824 | 0.00358 | 0.000519 | 4.95 | 0.033 | 3.79 | 0.00000519 | 0.00285 | 0.000255 | 0.00519 | 0.00864 | 0.0000104 | 4.04 | 0.00000298 | 0.0000519 | 0.000071 | 0.000272 | 0.0071 |
| 2034 Aug | 26.4 | 0.00835 | 0.00365 | 0.00053 | 5.05 | 0.0336 | 3.86 | 0.0000053 | 0.00294 | 0.000261 | 0.0053 | 0.00881 | 0.0000106 | 4.12 | 0.00000304 | 0.000053 | 0.0000726 | 0.000278 | 0.00735 |
| 2034 Sep | 26.2 | 0.00835 | 0.00361 | 0.00053 | 5.01 | 0.0334 | 3.83 | 0.0000053 | 0.00297 | 0.000259 | 0.0053 | 0.00872 | 0.0000106 | 4.09 | 0.00000303 | 0.000053 | 0.0000719 | 0.000277 | 0.00752 |
| 2034 Oct | 25.8 | 0.00821 | 0.00357 | 0.000525 | 4.94 | 0.0329 | 3.78 | 0.00000525 | 0.00305 | 0.000256 | 0.00525 | 0.00854 | 0.0000105 | 4.03 | 0.00000308 | 0.0000525 | 0.0000714 | 0.000277 | 0.00763 |
| 2034 Nov | 25.8 | 0.00818 | 0.00357 | 0.000525 | 4.95 | 0.0329 | 3.78 | 0.00000525 | 0.00307 | 0.000256 | 0.00525 | 0.00854 | 0.0000105 | 4.03 | 0.0000031 | 0.0000525 | 0.0000717 | 0.000278 | 0.00764 |
| 2034 Dec | 25.8 | 0.00818 | 0.00357 | 0.000525 | 4.95 | 0.0329 | 3.78 | 0.00000525 | 0.00307 | 0.000256 | 0.00525 | 0.00854 | 0.0000105 | 4.03 | 0.0000031 | 0.0000525 | 0.0000717 | 0.000278 | 0.00764 |
| 2035 Jan | 25.8 | 0.00818 | 0.00357 | 0.000525 | 4.95 | 0.0329 | 3.78 | 0.00000525 | 0.00307 | 0.000256 | 0.00525 | 0.00854 | 0.0000105 | 4.03 | 0.0000031 | 0.0000525 | 0.0000717 | 0.000278 | 0.00763 |
| 2035 Feb | 25.8 | 0.00818 | 0.00357 | 0.000525 | 4.95 | 0.0329 | 3.78 | 0.00000525 | 0.00307 | 0.000256 | 0.00525 | 0.00854 | 0.0000105 | 4.03 | 0.0000031 | 0.0000525 | 0.0000717 | 0.000278 | 0.00763 |
| 2035 Mar | 25.8 | 0.00818 | 0.00357 | 0.000525 | 4.95 | 0.0329 | 3.78 | 0.00000525 | 0.00307 | 0.000256 | 0.00525 | 0.00854 | 0.0000105 | 4.03 | 0.0000031 | 0.0000525 | 0.0000717 | 0.000278 | 0.00763 |
| 2035 Apr | 25.9 | 0.00819 | 0.00358 | 0.000526 | 4.95 | 0.033 | 3.78 | 0.00000526 | 0.00307 | 0.000257 | 0.00526 | 0.00855 | 0.0000105 | 4.04 | 0.0000031 | 0.0000526 | 0.0000718 | 0.000278 | 0.00764 |
| 2035 May | 26 | 0.00825 | 0.0036 | 0.000529 | 4.98 | 0.0332 | 3.81 | 0.00000529 | 0.00309 | 0.000258 | 0.00529 | 0.0086 | 0.0000106 | 4.07 | 0.00000312 | 0.0000529 | 0.0000722 | 0.00028 | 0.00769 |
| 2035 Jun | 26.3 | 0.00858 | 0.0037 | 0.000516 | 5.08 | 0.0332 | 3.83 | 0.00000516 | 0.0027 | 0.000258 | 0.00516 | 0.00876 | 0.0000103 | 4.09 | 0.00000293 | 0.0000516 | 0.0000714 | 0.000269 | 0.00691 |
| 2035 Jul | 26.9 | 0.00881 | 0.00383 | 0.000524 | 5.24 | 0.034 | 3.91 | 0.00000524 | 0.00268 | 0.000264 | 0.00524 | 0.00899 | 0.0000105 | 4.2 | 0.00000295 | 0.0000524 | 0.0000734 | 0.000273 | 0.00696 |
| 2035 Aug | 27.1 | 0.00879 | 0.00386 | 0.000531 | 5.29 | 0.0343 | 3.94 | 0.00000531 | 0.00278 | 0.000267 | 0.00531 | 0.00906 | 0.0000106 | 4.23 | 0.00000298 | 0.0000531 | 0.0000742 | 0.000276 | 0.00723 |
| 2035 Sep | 26.3 | 0.00857 | 0.00372 | 0.000526 | 5.14 | 0.0334 | 3.83 | 0.00000526 | 0.00286 | 0.000261 | 0.00526 | 0.00875 | 0.0000105 | 4.12 | 0.00000293 | 0.0000526 | 0.0000718 | 0.000273 | 0.00759 |
| 2035 Oct | 25.9 | 0.00839 | 0.00367 | 0.000521 | 5.06 | 0.0329 | 3.77 | 0.00000521 | 0.00296 | 0.000258 | 0.00521 | 0.00856 | 0.0000104 | 4.06 | 0.000003 | 0.0000521 | 0.0000716 | 0.000274 | 0.00773 |
| 2035 Nov | 25.8 | 0.00825 | 0.00367 | 0.00052 | 5.06 | 0.0329 | 3.76 | 0.0000052 | 0.00302 | 0.000257 | 0.0052 | 0.00852 | 0.0000104 | 4.05 | 0.00000308 | 0.000052 | 0.0000721 | 0.000275 | 0.00773 |
| 2035 Dec | 25.8 | 0.00826 | 0.00367 | 0.00052 | 5.06 | 0.0329 | 3.76 | 0.0000052 | 0.00302 | 0.000257 | 0.0052 | 0.00852 | 0.0000104 | 4.05 | 0.00000308 | 0.000052 | 0.0000721 | 0.000275 | 0.00772 |
| 2036 Jan | 25.8 | 0.00826 | 0.00367 | 0.00052 | 5.06 | 0.0329 | 3.76 | 0.0000052 | 0.00302 | 0.000257 | 0.0052 | 0.00852 | 0.0000104 | 4.05 | 0.00000308 | 0.000052 | 0.0000721 | 0.000275 | 0.00772 |
| 2036 Feb | 25.8 | 0.00826 | 0.00367 | 0.00052 | 5.06 | 0.0329 | 3.76 | 0.0000052 | 0.00302 | 0.000257 | 0.0052 | 0.00852 | 0.0000104 | 4.05 | 0.00000308 | 0.000052 | 0.0000721 | 0.000275 | 0.00772 |
| 2036 Mar | 25.8 | 0.00826 | 0.00367 | 0.00052 | 5.06 | 0.0329 | 3.76 | 0.0000052 | 0.00302 | 0.000257 | 0.0052 | 0.00852 | 0.0000104 | 4.05 | 0.00000307 | 0.000052 | 0.0000721 | 0.000275 | 0.00772 |
| 2036 Apr | 25.9 | 0.00827 | 0.00368 | 0.000521 | 5.07 | 0.0329 | 3.77 | 0.00000521 | 0.00303 | 0.000258 | 0.00521 | 0.00853 | 0.0000104 | 4.06 | 0.00000308 | 0.0000521 | 0.0000722 | 0.000276 | 0.00774 |
| 2036 May | 26.1 | 0.00833 | 0.0037 | 0.000524 | 5.1 | 0.0332 | 3.79 | 0.00000524 | 0.00305 | 0.00026 | 0.00524 | 0.00859 | 0.0000105 | 4.09 | 0.0000031 | 0.0000524 | 0.0000727 | 0.000278 | 0.00779 |
| 2036 Jun | 26.6 | 0.00869 | 0.00386 | 0.000517 | 5.27 | 0.0336 | 3.85 | 0.00000517 | 0.00273 | 0.000263 | 0.00517 | 0.00884 | 0.0000103 | 4.16 | 0.00000296 | 0.0000517 | 0.0000734 | 0.000271 | 0.00718 |
| 2036 Jul | 26.9 | 0.00883 | 0.00397 | 0.000518 | 5.39 | 0.034 | 3.89 | 0.00000518 | 0.00264 | 0.000266 | 0.00518 | 0.009 | 0.0000104 | 4.23 | 0.00000292 | 0.0000518 | 0.0000749 | 0.00027 | 0.00709 |
| 2036 Aug | 27.2 | 0.00882 | 0.004 | 0.000526 | 5.44 | 0.0343 | 3.92 | 0.00000526 | 0.00274 | 0.000269 | 0.00526 | 0.00909 | 0.0000105 | 4.27 | 0.00000296 | 0.0000526 | 0.0000761 | 0.000274 | 0.00737 |
| 2036 Sep | 27.1 | 0.00877 | 0.00397 | 0.000527 | 5.42 | 0.0342 | 3.9 | 0.00000527 | 0.00279 | 0.000269 | 0.00527 | 0.00903 | 0.0000105 | 4.25 | 0.00000296 | 0.0000527 | 0.0000756 | 0.000274 | 0.00755 |
| 2036 Oct | 26.6 | 0.00863 | 0.00389 | 0.000523 | 5.32 | 0.0337 | 3.84 | 0.00000523 | 0.00288 | 0.000265 | 0.00523 | 0.00882 | 0.0000105 | 4.18 | 0.00000301 | 0.0000523 | 0.0000748 | 0.000274 | 0.00772 |
| 2036 Nov | 26.6 | 0.0086 | 0.00389 | 0.000523 | 5.32 | 0.0337 | 3.84 | 0.00000523 | 0.0029 | 0.000265 | 0.00523 | 0.00881 | 0.0000105 | 4.18 | 0.00000303 | 0.0000523 | 0.000075 | 0.000275 | 0.00773 |
| 2036 Dec | 26.6 | 0.0086 | 0.00389 | 0.000523 | 5.32 | 0.0337 | 3.84 | 0.00000523 | 0.0029 | 0.000265 | 0.00523 | 0.00881 | 0.0000105 | 4.18 | 0.00000303 | 0.0000523 | 0.000075 | 0.000275 | 0.00773 |
| 2037 Jan | 26.6 | 0.0086 | 0.00389 | 0.000523 | 5.32 | 0.0337 | 3.84 | 0.00000523 | 0.0029 | 0.000265 | 0.00523 | 0.00881 | 0.0000105 | 4.18 | 0.00000303 | 0.0000523 | 0.000075 | 0.000275 | 0.00773 |
| 2037 Feb | 26.6 | 0.0086 | 0.00389 | 0.000523 | 5.32 | 0.0337 | 3.84 | 0.00000523 | 0.0029 | 0.000265 | 0.00523 | 0.00881 | 0.0000105 | 4.18 | 0.00000303 | 0.0000523 | 0.000075 | 0.000275 | 0.00773 |
| 2037 Mar | 26.6 | 0.0086 | 0.00389 | 0.000523 | 5.32 | 0.0337 | 3.84 | 0.00000523 | 0.0029 | 0.000265 | 0.00523 | 0.00881 | 0.0000105 | 4.18 | 0.00000303 | 0.0000523 | 0.000075 | 0.000275 | 0.00773 |
| 2037 Apr | 26.6 | 0.00861 | 0.0039 | 0.000524 | 5.32 | 0.0337 | 3.84 | 0.00000524 | 0.00291 | 0.000265 | 0.00524 | 0.00882 | 0.0000105 | 4.19 | 0.00000303 | 0.0000524 | 0.0000751 | 0.000275 | 0.00773 |
| 2037 May | 26.4 | 0.00861 | 0.00379 | 0.000523 | 5.2 | 0.0335 | 3.83 | 0.00000523 | 0.00286 | 0.000262 | 0.00523 | 0.00876 | 0.0000105 | 4.14 | 0.00000299 | 0.0000523 | 0.0000732 | 0.000274 | 0.00753 |
| 2037 Jun | 25.4 | 0.00853 | 0.00351 | 0.000501 | 4.83 | 0.0321 | 3.72 | 0.00000501 | 0.00253 | 0.000248 | 0.00501 | 0.00849 | 0.00001 | 3.95 | 0.00000276 | 0.0000501 | 0.0000669 | 0.000259 | 0.00653 |
| 2037 Jul | 25.8 | 0.00861 | 0.00358 | 0.000506 | 4.93 | 0.0325 | 3.76 | 0.00000506 | 0.00254 | 0.000252 | 0.00506 | 0.00862 | 0.0000101 | 4.01 | 0.00000277 | 0.0000506 | 0.0000686 | 0.000261 | 0.00664 |
| 2037 Aug | 26 | 0.00861 | 0.00362 | 0.000515 | 4.98 | 0.0329 | 3.8 | 0.00000515 | 0.00264 | 0.000255 | 0.00515 | 0.00871 | 0.0000103 | 4.05 | 0.00000281 | 0.0000515 | 0.0000698 | 0.000265 | 0.00692 |
| 2037 Sep | 26.2 | 0.00865 | 0.00364 | 0.00052 | 5.02 | 0.0331 | 3.82 | 0.0000052 | 0.00269 | 0.000257 | 0.0052 | 0.00876 | 0.0000104 | 4.08 | 0.00000283 | 0.000052 | 0.0000703 | 0.000268 | 0.00709 |
| 2037 Oct | 26.1 | 0.00858 | 0.00363 | 0.00052 | 5.01 | 0.0331 | 3.81 | 0.0000052 | 0.00276 | 0.000257 | 0.0052 | 0.0087 | 0.0000104 | 4.07 | 0.00000289 | 0.000052 | 0.0000706 | 0.000269 | 0.00717 |
| 2037 Nov | 26.1 | 0.00853 | 0.00364 | 0.00052 | 5.02 | 0.0331 | 3.81 | 0.0000052 | 0.00279 | 0.000257 | 0.0052 | 0.0087 | 0.0000104 | 4.07 | 0.00000293 | 0.000052 | 0.0000709 | 0.000271 | 0.00719 |
| 2037 Dec | 26.1 | 0.00853 | 0.00364 | 0.00052 | 5.02 | 0.0331 | 3.81 | 0.0000052 | 0.00279 | 0.000257 | 0.0052 | 0.0087 | 0.0000104 | 4.07 | 0.00000293 | 0.000052 | 0.0000709 | 0.000271 | 0.00719 |
| 2038 Jan | 26.1 | 0.00853 | 0.00364 | 0.00052 | 5.02 | 0.0331 | 3.81 | 0.0000052 | 0.00279 | 0.000257 | 0.0052 | 0.0087 | 0.0000104 | 4.07 | 0.00000293 | 0.000052 | 0.0000709 | 0.000271 | 0.00719 |
| 2038 Feb | 26.1 | 0.00853 | 0.00364 | 0.00052 | 5.02 | 0.0331 | 3.81 | 0.0000052 | 0.00279 | 0.000257 | 0.0052 | 0.0087 | 0.0000104 | 4.07 | 0.00000293 | 0.000052 | 0.0000709 | 0.000271 | 0.00719 |
| 2038 Mar | 26.1 | 0.00853 | 0.00364 | 0.00052 | 5.02 | 0.0331 | 3.81 | 0.0000052 | 0.00279 | 0.000257 | 0.0052 | 0.0087 | 0.0000104 | 4.07 | 0.00000293 | 0.000052 | 0.0000709 | 0.000271 | 0.00719 |
| 2038 Apr | 26.1 | 0.00854 | 0.00364 | 0.00052 | 5.02 | 0.0331 | 3.81 | 0.0000052 | 0.00279 | 0.000257 | 0.0052 | 0.0087 | 0.0000104 | 4.07 | 0.00000293 | 0.000052 | 0.0000709 | 0.000271 | 0.00719 |
| 2038 May | 26.1 | 0.00857 | 0.00361 | 0.000521 | 4.98 | 0.0331 | 3.82 | 0.00000521 | 0.00278 | 0.000257 | 0.00521 | 0.0087 | 0.0000104 | 4.07 | 0.00000292 | 0.0000521 | 0.0000703 | 0.000271 | 0.00712 |
| 2038 Jun | 25.5 | 0.00855 | 0.00341 | 0.00051 | 4.73 | 0.0323 | 3.76 | 0.0000051 | 0.00259 | 0.000248 | 0.0051 | 0.00853 | 0.0000102 | 3.95 | 0.00000278 | 0.000051 | 0.000066 | 0.000263 | 0.00651 |
| 2038 Jul | 26.3 | 0.00881 | 0.00353 | 0.000525 | 4.9 | 0.0333 | 3.87 | 0.00000525 | 0.00265 | 0.000256 | 0.00525 | 0.00881 | 0.0000105 | 4.07 | 0.00000286 | 0.0000525 | 0.0000684 | 0.00027 | 0.00672 |
| 2038 Aug | 26.7 | 0.00885 | 0.00358 | 0.000536 | 4.98 | 0.0338 | 3.92 | 0.00000536 | 0.00276 | 0.00026 | 0.00536 | 0.00893 | 0.0000107 | 4.14 | 0.00000291 | 0.0000536 | 0.0000698 | 0.000275 | 0.00702 |
| 2038 Sep | 26.6 | 0.00886 | 0.00357 | 0.000537 | 4.97 | 0.0337 | 3.92 | 0.00000537 | 0.0028 | 0.00026 | 0.00537 | 0.0089 | 0.0000107 | 4.13 | 0.00000291 | 0.0000537 | 0.0000696 | 0.000276 | 0.00718 |
| 2038 Oct | 26.3 | 0.00877 | 0.00353 | 0.000533 | 4.91 | 0.0333 | 3.87 | 0.00000533 | 0.00285 | 0.000258 | 0.00533 | 0.00875 | 0.0000107 | 4.08 | 0.00000293 | 0.0000533 | 0.000069 | 0.000275 | 0.0073 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 26.3 | 0.00878 | 0.00353 | 0.000534 | 4.92 | 0.0334 | 3.87 | 0.00000534 | 0.00286 | 0.000258 | 0.00534 | 0.00875 | 0.0000107 | 4.09 | 0.00000294 | 0.0000534 | 0.0000691 | 0.000276 | 0.00731 |
| 2038 Dec | 26.3 | 0.00878 | 0.00353 | 0.000534 | 4.92 | 0.0334 | 3.87 | 0.00000534 | 0.00286 | 0.000258 | 0.00534 | 0.00875 | 0.0000107 | 4.09 | 0.00000294 | 0.0000534 | 0.0000691 | 0.000276 | 0.00731 |
| 2039 Jan | 26.3 | 0.00878 | 0.00353 | 0.000534 | 4.92 | 0.0334 | 3.87 | 0.00000534 | 0.00286 | 0.000258 | 0.00534 | 0.00875 | 0.0000107 | 4.09 | 0.00000293 | 0.0000534 | 0.0000691 | 0.000276 | 0.00731 |
| 2039 Feb | 26.3 | 0.00878 | 0.00353 | 0.000534 | 4.92 | 0.0334 | 3.87 | 0.00000534 | 0.00286 | 0.000258 | 0.00534 | 0.00875 | 0.0000107 | 4.09 | 0.00000293 | 0.0000534 | 0.0000691 | 0.000276 | 0.00731 |
| 2039 Mar | 26.3 | 0.00878 | 0.00353 | 0.000534 | 4.92 | 0.0334 | 3.87 | 0.00000534 | 0.00286 | 0.000258 | 0.00534 | 0.00875 | 0.0000107 | 4.09 | 0.00000294 | 0.0000534 | 0.0000692 | 0.000276 | 0.00731 |
| 2039 Apr | 26.3 | 0.00878 | 0.00354 | 0.000534 | 4.92 | 0.0334 | 3.87 | 0.00000534 | 0.00286 | 0.000258 | 0.00534 | 0.00876 | 0.0000107 | 4.09 | 0.00000294 | 0.0000534 | 0.0000692 | 0.000276 | 0.00732 |
| 2039 May | 26.5 | 0.00882 | 0.00355 | 0.000537 | 4.94 | 0.0335 | 3.89 | 0.00000537 | 0.00287 | 0.000259 | 0.00537 | 0.0088 | 0.0000107 | 4.11 | 0.00000295 | 0.0000537 | 0.0000695 | 0.000277 | 0.00735 |
| 2039 Jun | 27 | 0.0091 | 0.00379 | 0.000525 | 5.19 | 0.0339 | 3.93 | 0.00000525 | 0.00255 | 0.000263 | 0.00525 | 0.00903 | 0.0000105 | 4.19 | 0.00000283 | 0.0000525 | 0.0000713 | 0.000269 | 0.00678 |
| 2039 Jul | 27.1 | 0.00904 | 0.00387 | 0.000523 | 5.29 | 0.0341 | 3.92 | 0.00000523 | 0.00253 | 0.000265 | 0.00523 | 0.00911 | 0.0000105 | 4.22 | 0.00000279 | 0.0000523 | 0.0000735 | 0.000267 | 0.0069 |
| 2039 Aug | 27.1 | 0.00891 | 0.00388 | 0.000532 | 5.31 | 0.0343 | 3.93 | 0.00000532 | 0.00268 | 0.000267 | 0.00532 | 0.00915 | 0.0000106 | 4.25 | 0.00000283 | 0.0000532 | 0.0000753 | 0.000271 | 0.00733 |
| 2039 Sep | 27.1 | 0.00894 | 0.00387 | 0.000535 | 5.31 | 0.0343 | 3.93 | 0.00000535 | 0.00273 | 0.000268 | 0.00535 | 0.00913 | 0.0000107 | 4.25 | 0.00000284 | 0.0000535 | 0.0000752 | 0.000273 | 0.00752 |
| 2039 Oct | 27 | 0.00896 | 0.00385 | 0.000535 | 5.29 | 0.0341 | 3.92 | 0.00000535 | 0.00275 | 0.000267 | 0.00535 | 0.00908 | 0.0000107 | 4.23 | 0.00000284 | 0.0000535 | 0.0000748 | 0.000273 | 0.00759 |
| 2039 Nov | 27.1 | 0.00896 | 0.00385 | 0.000535 | 5.29 | 0.0342 | 3.92 | 0.00000535 | 0.00275 | 0.000267 | 0.00535 | 0.00909 | 0.0000107 | 4.24 | 0.00000284 | 0.0000535 | 0.0000749 | 0.000273 | 0.0076 |
| 2039 Dec | 27.1 | 0.00896 | 0.00385 | 0.000535 | 5.29 | 0.0342 | 3.92 | 0.00000535 | 0.00275 | 0.000267 | 0.00535 | 0.00909 | 0.0000107 | 4.24 | 0.00000284 | 0.0000535 | 0.0000749 | 0.000273 | 0.0076 |
| 2040 Jan | 27.1 | 0.00896 | 0.00385 | 0.000535 | 5.29 | 0.0342 | 3.92 | 0.00000535 | 0.00275 | 0.000267 | 0.00535 | 0.00909 | 0.0000107 | 4.24 | 0.00000284 | 0.0000535 | 0.0000749 | 0.000273 | 0.0076 |
| 2040 Feb | 27.1 | 0.00896 | 0.00385 | 0.000535 | 5.29 | 0.0342 | 3.92 | 0.00000535 | 0.00275 | 0.000267 | 0.00535 | 0.00909 | 0.0000107 | 4.24 | 0.00000284 | 0.0000535 | 0.0000749 | 0.000273 | 0.0076 |
| 2040 Mar | 27.1 | 0.00896 | 0.00385 | 0.000535 | 5.29 | 0.0342 | 3.92 | 0.00000535 | 0.00275 | 0.000267 | 0.00535 | 0.00909 | 0.0000107 | 4.24 | 0.00000284 | 0.0000535 | 0.0000749 | 0.000273 | 0.0076 |
| 2040 Apr | 27.1 | 0.00897 | 0.00385 | 0.000535 | 5.29 | 0.0342 | 3.93 | 0.00000535 | 0.00275 | 0.000267 | 0.00535 | 0.00909 | 0.0000107 | 4.24 | 0.00000284 | 0.0000535 | 0.0000749 | 0.000273 | 0.0076 |
| 2040 May | 27.1 | 0.00899 | 0.00384 | 0.000537 | 5.28 | 0.0342 | 3.93 | 0.00000537 | 0.00275 | 0.000267 | 0.00537 | 0.0091 | 0.0000107 | 4.24 | 0.00000285 | 0.0000537 | 0.0000747 | 0.000274 | 0.00758 |
| 2040 Jun | 26.4 | 0.00895 | 0.00364 | 0.000521 | 5.02 | 0.0333 | 3.86 | 0.00000521 | 0.00253 | 0.000258 | 0.00521 | 0.0089 | 0.0000104 | 4.11 | 0.00000272 | 0.0000521 | 0.0000699 | 0.000265 | 0.00679 |
| 2040 Jul | 26.8 | 0.00904 | 0.00372 | 0.000528 | 5.12 | 0.0338 | 3.91 | 0.00000528 | 0.00256 | 0.000262 | 0.00528 | 0.00904 | 0.0000106 | 4.17 | 0.00000275 | 0.0000528 | 0.0000715 | 0.000267 | 0.00692 |
| 2040 Aug | 26.8 | 0.00891 | 0.00372 | 0.000533 | 5.13 | 0.0339 | 3.91 | 0.00000533 | 0.00267 | 0.000263 | 0.00533 | 0.00905 | 0.0000107 | 4.18 | 0.00000278 | 0.0000533 | 0.0000728 | 0.00027 | 0.00726 |
| 2040 Sep | 26.5 | 0.00867 | 0.00366 | 0.000532 | 5.07 | 0.0335 | 3.85 | 0.00000532 | 0.00277 | 0.000261 | 0.00532 | 0.0089 | 0.0000106 | 4.13 | 0.00000276 | 0.0000532 | 0.0000716 | 0.000269 | 0.00756 |
| 2040 Oct | 26.6 | 0.00871 | 0.00367 | 0.000534 | 5.09 | 0.0336 | 3.87 | 0.00000534 | 0.00278 | 0.000262 | 0.00534 | 0.00893 | 0.0000107 | 4.15 | 0.00000278 | 0.0000534 | 0.0000719 | 0.000271 | 0.00761 |
| 2040 Nov | 26.6 | 0.00872 | 0.00368 | 0.000535 | 5.1 | 0.0336 | 3.87 | 0.00000535 | 0.00279 | 0.000262 | 0.00535 | 0.00893 | 0.0000107 | 4.15 | 0.00000278 | 0.0000535 | 0.000072 | 0.000271 | 0.00761 |
| 2040 Dec | 26.6 | 0.00872 | 0.00368 | 0.000535 | 5.1 | 0.0336 | 3.87 | 0.00000535 | 0.00279 | 0.000262 | 0.00535 | 0.00894 | 0.0000107 | 4.15 | 0.00000278 | 0.0000535 | 0.000072 | 0.000271 | 0.00761 |
| 2041 Jan | 26.6 | 0.00872 | 0.00368 | 0.000535 | 5.1 | 0.0336 | 3.87 | 0.00000535 | 0.00279 | 0.000262 | 0.00535 | 0.00893 | 0.0000107 | 4.15 | 0.00000278 | 0.0000535 | 0.000072 | 0.000271 | 0.00761 |
| 2041 Feb | 26.6 | 0.00872 | 0.00368 | 0.000535 | 5.1 | 0.0336 | 3.87 | 0.00000535 | 0.00279 | 0.000262 | 0.00535 | 0.00893 | 0.0000107 | 4.15 | 0.00000278 | 0.0000535 | 0.000072 | 0.000271 | 0.00761 |
| 2041 Mar | 26.6 | 0.00872 | 0.00368 | 0.000535 | 5.1 | 0.0336 | 3.87 | 0.00000535 | 0.00279 | 0.000262 | 0.00535 | 0.00894 | 0.0000107 | 4.15 | 0.00000278 | 0.0000535 | 0.000072 | 0.000271 | 0.00761 |
| 2041 Apr | 26.6 | 0.00872 | 0.00368 | 0.000535 | 5.1 | 0.0336 | 3.87 | 0.00000535 | 0.00279 | 0.000262 | 0.00535 | 0.00894 | 0.0000107 | 4.15 | 0.00000278 | 0.0000535 | 0.000072 | 0.000271 | 0.00762 |
| 2041 May | 26.7 | 0.00875 | 0.00368 | 0.000537 | 5.11 | 0.0337 | 3.88 | 0.00000537 | 0.00279 | 0.000263 | 0.00537 | 0.00896 | 0.0000107 | 4.16 | 0.00000279 | 0.0000537 | 0.0000721 | 0.000272 | 0.00763 |
| 2041 Jun | 27 | 0.00898 | 0.00383 | 0.000529 | 5.26 | 0.0341 | 3.92 | 0.00000529 | 0.00258 | 0.000265 | 0.00529 | 0.00912 | 0.0000106 | 4.22 | 0.00000274 | 0.0000529 | 0.000073 | 0.000268 | 0.00718 |
| 2041 Jul | 27.2 | 0.00903 | 0.00393 | 0.000526 | 5.37 | 0.0342 | 3.93 | 0.00000526 | 0.0025 | 0.000267 | 0.00526 | 0.00922 | 0.0000105 | 4.26 | 0.0000027 | 0.0000526 | 0.0000747 | 0.000265 | 0.00708 |
| 2041 Aug | 26.8 | 0.0086 | 0.00386 | 0.000528 | 5.29 | 0.0338 | 3.86 | 0.00000528 | 0.00268 | 0.000265 | 0.00528 | 0.00906 | 0.0000106 | 4.2 | 0.00000271 | 0.0000528 | 0.0000754 | 0.000266 | 0.00762 |
| 2041 Sep | 26.6 | 0.00856 | 0.00383 | 0.000529 | 5.26 | 0.0336 | 3.84 | 0.00000529 | 0.00274 | 0.000265 | 0.00529 | 0.00899 | 0.0000106 | 4.18 | 0.00000271 | 0.0000529 | 0.0000748 | 0.000266 | 0.0078 |
| 2041 Oct | 26.2 | 0.00855 | 0.00376 | 0.000525 | 5.18 | 0.0332 | 3.79 | 0.00000525 | 0.00277 | 0.000261 | 0.00525 | 0.00883 | 0.0000105 | 4.12 | 0.00000269 | 0.0000525 | 0.0000736 | 0.000265 | 0.00792 |
| 2041 Nov | 26.2 | 0.00856 | 0.00376 | 0.000526 | 5.18 | 0.0332 | 3.79 | 0.00000526 | 0.00277 | 0.000262 | 0.00526 | 0.00884 | 0.0000105 | 4.13 | 0.0000027 | 0.0000526 | 0.0000737 | 0.000265 | 0.00793 |
| 2041 Dec | 26.2 | 0.00856 | 0.00376 | 0.000526 | 5.18 | 0.0332 | 3.79 | 0.00000526 | 0.00277 | 0.000262 | 0.00526 | 0.00884 | 0.0000105 | 4.13 | 0.0000027 | 0.0000526 | 0.0000737 | 0.000265 | 0.00793 |
| 2042 Jan | 26.2 | 0.00856 | 0.00376 | 0.000526 | 5.18 | 0.0332 | 3.79 | 0.00000526 | 0.00277 | 0.000262 | 0.00526 | 0.00884 | 0.0000105 | 4.13 | 0.0000027 | 0.0000526 | 0.0000737 | 0.000265 | 0.00793 |
| 2042 Feb | 26.2 | 0.00856 | 0.00376 | 0.000526 | 5.18 | 0.0332 | 3.79 | 0.00000526 | 0.00277 | 0.000262 | 0.00526 | 0.00884 | 0.0000105 | 4.13 | 0.0000027 | 0.0000526 | 0.0000737 | 0.000265 | 0.00793 |
| 2042 Mar | 26.2 | 0.00856 | 0.00376 | 0.000526 | 5.18 | 0.0332 | 3.79 | 0.00000526 | 0.00277 | 0.000262 | 0.00526 | 0.00884 | 0.0000105 | 4.13 | 0.0000027 | 0.0000526 | 0.0000737 | 0.000265 | 0.00793 |
| 2042 Apr | 26.3 | 0.00857 | 0.00377 | 0.000526 | 5.19 | 0.0332 | 3.8 | 0.00000526 | 0.00278 | 0.000262 | 0.00526 | 0.00885 | 0.0000105 | 4.13 | 0.0000027 | 0.0000526 | 0.0000738 | 0.000266 | 0.00794 |
| 2042 May | 26.4 | 0.00862 | 0.00378 | 0.00053 | 5.21 | 0.0334 | 3.82 | 0.0000053 | 0.00279 | 0.000263 | 0.0053 | 0.0089 | 0.0000106 | 4.16 | 0.00000272 | 0.000053 | 0.0000741 | 0.000267 | 0.00797 |
| 2042 Jun | 26.8 | 0.0089 | 0.00392 | 0.000521 | 5.35 | 0.0338 | 3.86 | 0.00000521 | 0.00254 | 0.000265 | 0.00521 | 0.00907 | 0.0000104 | 4.22 | 0.00000266 | 0.0000521 | 0.0000744 | 0.000262 | 0.00734 |
| 2042 Jul | 26.9 | 0.00883 | 0.00397 | 0.000518 | 5.4 | 0.0338 | 3.85 | 0.00000518 | 0.0025 | 0.000266 | 0.00518 | 0.00911 | 0.0000104 | 4.22 | 0.00000264 | 0.0000518 | 0.0000758 | 0.000261 | 0.00733 |
| 2042 Aug | 26.1 | 0.00826 | 0.00384 | 0.000516 | 5.26 | 0.033 | 3.74 | 0.00000516 | 0.00271 | 0.000261 | 0.00516 | 0.00885 | 0.0000103 | 4.12 | 0.00000263 | 0.0000516 | 0.0000757 | 0.00026 | 0.0079 |
| 2042 Sep | 25.7 | 0.00815 | 0.00377 | 0.000515 | 5.18 | 0.0326 | 3.69 | 0.00000515 | 0.00278 | 0.000258 | 0.00515 | 0.00869 | 0.0000103 | 4.07 | 0.00000262 | 0.0000515 | 0.0000743 | 0.000259 | 0.00812 |
| 2042 Oct | 25 | 0.00795 | 0.00364 | 0.000507 | 5.02 | 0.0317 | 3.59 | 0.00000507 | 0.0029 | 0.000252 | 0.00507 | 0.00835 | 0.0000101 | 3.95 | 0.00000271 | 0.0000507 | 0.0000727 | 0.000259 | 0.00825 |
| 2042 Nov | 25 | 0.00794 | 0.00365 | 0.000507 | 5.03 | 0.0318 | 3.6 | 0.00000507 | 0.00291 | 0.000252 | 0.00507 | 0.00835 | 0.0000101 | 3.96 | 0.00000272 | 0.0000507 | 0.0000729 | 0.00026 | 0.00826 |
| 2042 Dec | 25 | 0.00794 | 0.00365 | 0.000507 | 5.03 | 0.0318 | 3.6 | 0.00000507 | 0.00291 | 0.000252 | 0.00507 | 0.00835 | 0.0000101 | 3.96 | 0.00000272 | 0.0000507 | 0.0000729 | 0.00026 | 0.00826 |
| 2043 Jan | 25 | 0.00794 | 0.00365 | 0.000507 | 5.03 | 0.0318 | 3.6 | 0.00000507 | 0.00291 | 0.000252 | 0.00507 | 0.00835 | 0.0000101 | 3.96 | 0.00000272 | 0.0000507 | 0.0000729 | 0.00026 | 0.00826 |
| 2043 Feb | 25 | 0.00794 | 0.00365 | 0.000507 | 5.03 | 0.0318 | 3.6 | 0.00000507 | 0.00291 | 0.000252 | 0.00507 | 0.00835 | 0.0000101 | 3.96 | 0.00000272 | 0.0000507 | 0.0000729 | 0.00026 | 0.00826 |
| 2043 Mar | 25 | 0.00794 | 0.00365 | 0.000507 | 5.03 | 0.0318 | 3.6 | 0.00000507 | 0.00291 | 0.000252 | 0.00507 | 0.00835 | 0.0000101 | 3.96 | 0.00000272 | 0.0000507 | 0.0000729 | 0.00026 | 0.00826 |
| 2043 Apr | 25 | 0.00795 | 0.00365 | 0.000508 | 5.03 | 0.0318 | 3.6 | 0.00000508 | 0.00292 | 0.000253 | 0.00508 | 0.00836 | 0.0000102 | 3.96 | 0.00000273 | 0.0000508 | 0.000073 | 0.00026 | 0.00827 |
| 2043 May | 25.2 | 0.00801 | 0.00366 | 0.000511 | 5.04 | 0.032 | 3.63 | 0.00000511 | 0.00292 | 0.000254 | 0.00511 | 0.00841 | 0.0000102 | 3.98 | 0.00000274 | 0.0000511 | 0.000073 | 0.000262 | 0.00826 |
| 2043 Jun | 24.9 | 0.00822 | 0.00347 | 0.000502 | 4.8 | 0.0316 | 3.63 | 0.00000502 | 0.00264 | 0.000246 | 0.00502 | 0.00837 | 0.00001 | 3.9 | 0.00000264 | 0.0000502 | 0.000068 | 0.000255 | 0.00721 |
| 2043 Jul | 25.6 | 0.00844 | 0.00359 | 0.000513 | 4.95 | 0.0324 | 3.73 | 0.00000513 | 0.00267 | 0.000253 | 0.00513 | 0.00861 | 0.0000103 | 4.01 | 0.00000269 | 0.0000513 | 0.0000701 | 0.000261 | 0.00734 |
| 2043 Aug | 25.4 | 0.00814 | 0.00355 | 0.000516 | 4.93 | 0.0322 | 3.69 | 0.00000516 | 0.00281 | 0.000253 | 0.00516 | 0.00852 | 0.0000103 | 3.98 | 0.0000027 | 0.0000516 | 0.0000699 | 0.000262 | 0.00776 |
| 2043 Sep | 24.9 | 0.00785 | 0.00347 | 0.000514 | 4.84 | 0.0316 | 3.61 | 0.00000514 | 0.00291 | 0.00025 | 0.00514 | 0.00832 | 0.0000103 | 3.91 | 0.00000268 | 0.0000514 | 0.0000684 | 0.00026 | 0.00807 |
| 2043 Oct | 24.8 | 0.00788 | 0.00346 | 0.000514 | 4.83 | 0.0316 | 3.61 | 0.00000514 | 0.00293 | 0.00025 | 0.00514 | 0.00829 | 0.0000103 | 3.91 | 0.00000268 | 0.0000514 | 0.0000682 | 0.000261 | 0.00813 |
| 2043 Nov | 24.9 | 0.00789 | 0.00346 | 0.000515 | 4.84 | 0.0316 | 3.61 | 0.00000515 | 0.00293 | 0.00025 | 0.00515 | 0.00831 | 0.0000103 | 3.92 | 0.00000269 | 0.0000515 | 0.0000683 | 0.000261 | 0.00814 |
| 2043 Dec | 24.9 | 0.00789 | 0.00346 | 0.000515 | 4.84 | 0.0316 | 3.61 | 0.00000515 | 0.00293 | 0.00025 | 0.00515 | 0.00831 | 0.0000103 | 3.92 | 0.00000269 | 0.0000515 | 0.0000683 | 0.000261 | 0.00814 |
| 2044 Jan | 24.9 | 0.00789 | 0.00346 | 0.000515 | 4.84 | 0.0316 | 3.61 | 0.00000515 | 0.00293 | 0.00025 | 0.00515 | 0.00831 | 0.0000103 | 3.92 | 0.00000269 | 0.0000515 | 0.0000683 | 0.000261 | 0.00814 |
| 2044 Feb | 24.9 | 0.00789 | 0.00346 | 0.000515 | 4.84 | 0.0316 | 3.61 | 0.00000515 | 0.00293 | 0.00025 | 0.00515 | 0.00831 | 0.0000103 | 3.92 | 0.00000269 | 0.0000515 | 0.0000683 | 0.000261 | 0.00814 |
| 2044 Mar | 24.9 | 0.00789 | 0.00346 | 0.000515 | 4.84 | 0.0316 | 3.61 | 0.00000515 | 0.00293 | 0.00025 | 0.00515 | 0.00831 | 0.0000103 | 3.92 | 0.00000269 | 0.0000515 | 0.0000683 | 0.000261 | 0.00814 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 24.9 | 0.0079 | 0.00347 | 0.000515 | 4.84 | 0.0317 | 3.61 | 0.00000515 | 0.00293 | 0.00025 | 0.00515 | 0.00831 | 0.0000103 | 3.92 | 0.00000269 | 0.0000515 | 0.0000684 | 0.000261 | 0.00815 |
| 2044 May | 25 | 0.00794 | 0.00348 | 0.000518 | 4.86 | 0.0318 | 3.63 | 0.00000518 | 0.00295 | 0.000251 | 0.00518 | 0.00836 | 0.0000104 | 3.94 | 0.0000027 | 0.0000518 | 0.0000687 | 0.000263 | 0.00818 |
| 2044 Jun | 25.5 | 0.00834 | 0.00361 | 0.000507 | 4.98 | 0.0322 | 3.69 | 0.00000507 | 0.0026 | 0.000252 | 0.00507 | 0.00856 | 0.0000101 | 3.99 | 0.00000262 | 0.0000507 | 0.0000687 | 0.000256 | 0.00727 |
| 2044 Jul | 26.1 | 0.00857 | 0.00374 | 0.000515 | 5.15 | 0.033 | 3.78 | 0.00000515 | 0.00258 | 0.000259 | 0.00515 | 0.0088 | 0.0000103 | 4.1 | 0.00000265 | 0.0000515 | 0.0000709 | 0.00026 | 0.0073 |
| 2044 Aug | 26.5 | 0.00859 | 0.00379 | 0.000525 | 5.22 | 0.0334 | 3.82 | 0.00000525 | 0.00269 | 0.000263 | 0.00525 | 0.00891 | 0.0000105 | 4.16 | 0.0000027 | 0.0000525 | 0.0000723 | 0.000265 | 0.0076 |
| 2044 Sep | 25.9 | 0.00834 | 0.00369 | 0.000521 | 5.1 | 0.0327 | 3.74 | 0.00000521 | 0.00278 | 0.000258 | 0.00521 | 0.00868 | 0.0000104 | 4.07 | 0.00000267 | 0.0000521 | 0.0000705 | 0.000263 | 0.00788 |
| 2044 Oct | 25.5 | 0.0082 | 0.00364 | 0.000517 | 5.04 | 0.0324 | 3.7 | 0.00000517 | 0.00287 | 0.000256 | 0.00517 | 0.00851 | 0.0000103 | 4.02 | 0.00000276 | 0.0000517 | 0.0000704 | 0.000264 | 0.00798 |
| 2044 Nov | 25.5 | 0.00812 | 0.00365 | 0.000517 | 5.05 | 0.0324 | 3.69 | 0.00000517 | 0.00291 | 0.000256 | 0.00517 | 0.0085 | 0.0000103 | 4.02 | 0.00000281 | 0.0000517 | 0.0000709 | 0.000266 | 0.00799 |
| 2044 Dec | 25.5 | 0.00812 | 0.00365 | 0.000517 | 5.05 | 0.0324 | 3.69 | 0.00000517 | 0.00291 | 0.000256 | 0.00517 | 0.0085 | 0.0000103 | 4.02 | 0.00000281 | 0.0000517 | 0.0000709 | 0.000266 | 0.00799 |
| 2045 Jan | 25.5 | 0.00812 | 0.00365 | 0.000517 | 5.05 | 0.0324 | 3.69 | 0.00000517 | 0.00291 | 0.000256 | 0.00517 | 0.0085 | 0.0000103 | 4.02 | 0.00000281 | 0.0000517 | 0.0000708 | 0.000266 | 0.00799 |
| 2045 Feb | 25.5 | 0.00812 | 0.00365 | 0.000517 | 5.05 | 0.0324 | 3.69 | 0.00000517 | 0.00291 | 0.000256 | 0.00517 | 0.00849 | 0.0000103 | 4.02 | 0.00000281 | 0.0000517 | 0.0000708 | 0.000266 | 0.00799 |
| 2045 Mar | 25.5 | 0.00812 | 0.00365 | 0.000517 | 5.05 | 0.0324 | 3.69 | 0.00000517 | 0.00292 | 0.000256 | 0.00517 | 0.0085 | 0.0000103 | 4.02 | 0.00000281 | 0.0000517 | 0.0000709 | 0.000266 | 0.00799 |
| 2045 Apr | 25.5 | 0.00813 | 0.00365 | 0.000517 | 5.05 | 0.0324 | 3.7 | 0.00000517 | 0.00292 | 0.000256 | 0.00517 | 0.0085 | 0.0000103 | 4.02 | 0.00000281 | 0.0000517 | 0.0000709 | 0.000266 | 0.00799 |
| 2045 May | 25.7 | 0.00816 | 0.00367 | 0.00052 | 5.07 | 0.0326 | 3.71 | 0.0000052 | 0.00293 | 0.000257 | 0.0052 | 0.00854 | 0.0000104 | 4.04 | 0.00000283 | 0.000052 | 0.0000712 | 0.000267 | 0.00803 |
| 2045 Jun | 26.3 | 0.00854 | 0.00385 | 0.000515 | 5.27 | 0.0332 | 3.79 | 0.00000515 | 0.00268 | 0.000262 | 0.00515 | 0.00881 | 0.0000103 | 4.14 | 0.00000277 | 0.0000515 | 0.0000726 | 0.000264 | 0.0075 |
| 2045 Jul | 27.2 | 0.00886 | 0.00401 | 0.000526 | 5.47 | 0.0342 | 3.9 | 0.00000526 | 0.00265 | 0.000269 | 0.00526 | 0.00912 | 0.0000105 | 4.27 | 0.0000028 | 0.0000526 | 0.000075 | 0.000269 | 0.00748 |
| 2045 Aug | 27.6 | 0.00897 | 0.00407 | 0.000536 | 5.56 | 0.0348 | 3.97 | 0.00000536 | 0.00273 | 0.000274 | 0.00536 | 0.00927 | 0.0000107 | 4.35 | 0.00000286 | 0.0000536 | 0.0000765 | 0.000274 | 0.00772 |
| 2045 Sep | 27.6 | 0.00895 | 0.00406 | 0.000538 | 5.55 | 0.0347 | 3.96 | 0.00000538 | 0.00278 | 0.000274 | 0.00538 | 0.00924 | 0.0000108 | 4.34 | 0.00000287 | 0.0000538 | 0.0000763 | 0.000275 | 0.00786 |
| 2045 Oct | 27.6 | 0.00898 | 0.00406 | 0.000539 | 5.55 | 0.0348 | 3.97 | 0.00000539 | 0.00279 | 0.000275 | 0.00539 | 0.00924 | 0.0000108 | 4.34 | 0.00000287 | 0.0000539 | 0.0000763 | 0.000275 | 0.00791 |
| 2045 Nov | 27.6 | 0.00898 | 0.00406 | 0.00054 | 5.56 | 0.0348 | 3.97 | 0.0000054 | 0.00279 | 0.000275 | 0.0054 | 0.00925 | 0.0000108 | 4.35 | 0.00000287 | 0.000054 | 0.0000764 | 0.000276 | 0.00792 |
| 2045 Dec | 27.6 | 0.00898 | 0.00406 | 0.00054 | 5.56 | 0.0348 | 3.97 | 0.0000054 | 0.00279 | 0.000275 | 0.0054 | 0.00925 | 0.0000108 | 4.35 | 0.00000287 | 0.000054 | 0.0000764 | 0.000276 | 0.00792 |
| 2046 Jan | 27.6 | 0.00898 | 0.00406 | 0.00054 | 5.56 | 0.0348 | 3.97 | 0.0000054 | 0.00279 | 0.000275 | 0.0054 | 0.00925 | 0.0000108 | 4.35 | 0.00000287 | 0.000054 | 0.0000764 | 0.000276 | 0.00792 |
| 2046 Feb | 27.6 | 0.00898 | 0.00406 | 0.00054 | 5.56 | 0.0348 | 3.97 | 0.0000054 | 0.00279 | 0.000275 | 0.0054 | 0.00925 | 0.0000108 | 4.35 | 0.00000287 | 0.000054 | 0.0000764 | 0.000276 | 0.00792 |
| 2046 Mar | 27.6 | 0.00899 | 0.00406 | 0.00054 | 5.56 | 0.0348 | 3.97 | 0.0000054 | 0.00279 | 0.000275 | 0.0054 | 0.00925 | 0.0000108 | 4.35 | 0.00000288 | 0.000054 | 0.0000764 | 0.000276 | 0.00792 |
| 2046 Apr | 27.6 | 0.009 | 0.00407 | 0.000541 | 5.56 | 0.0349 | 3.98 | 0.00000541 | 0.0028 | 0.000275 | 0.00541 | 0.00926 | 0.0000108 | 4.36 | 0.00000288 | 0.0000541 | 0.0000765 | 0.000276 | 0.00793 |
| 2046 May | 27.8 | 0.00904 | 0.00409 | 0.000544 | 5.59 | 0.035 | 4 | 0.00000544 | 0.00281 | 0.000277 | 0.00544 | 0.00931 | 0.0000109 | 4.38 | 0.00000289 | 0.0000544 | 0.0000769 | 0.000278 | 0.00797 |
| 2046 Jun | 27.8 | 0.00924 | 0.00418 | 0.000526 | 5.67 | 0.0349 | 3.98 | 0.00000526 | 0.00246 | 0.000275 | 0.00526 | 0.00938 | 0.0000105 | 4.38 | 0.00000276 | 0.0000526 | 0.0000765 | 0.000267 | 0.00715 |
| 2046 Jul | 28 | 0.00931 | 0.00425 | 0.000521 | 5.73 | 0.035 | 3.99 | 0.00000521 | 0.00235 | 0.000275 | 0.00521 | 0.00947 | 0.0000104 | 4.4 | 0.00000271 | 0.0000521 | 0.0000775 | 0.000264 | 0.00693 |
| 2046 Aug | 28.1 | 0.00923 | 0.00426 | 0.000528 | 5.76 | 0.0352 | 4.01 | 0.00000528 | 0.00246 | 0.000278 | 0.00528 | 0.0095 | 0.0000106 | 4.42 | 0.00000275 | 0.0000528 | 0.0000784 | 0.000268 | 0.00725 |
| 2046 Sep | 27.3 | 0.00896 | 0.0041 | 0.000523 | 5.58 | 0.0342 | 3.9 | 0.00000523 | 0.00256 | 0.000271 | 0.00523 | 0.00918 | 0.0000105 | 4.3 | 0.00000271 | 0.0000523 | 0.0000758 | 0.000265 | 0.00756 |
| 2046 Oct | 26.8 | 0.00893 | 0.00402 | 0.00052 | 5.47 | 0.0337 | 3.84 | 0.0000052 | 0.00261 | 0.000267 | 0.0052 | 0.00899 | 0.0000104 | 4.24 | 0.0000027 | 0.000052 | 0.0000745 | 0.000263 | 0.00772 |
| 2046 Nov | 26.8 | 0.00893 | 0.00402 | 0.00052 | 5.48 | 0.0337 | 3.85 | 0.0000052 | 0.00261 | 0.000268 | 0.0052 | 0.009 | 0.0000104 | 4.24 | 0.00000271 | 0.000052 | 0.0000746 | 0.000264 | 0.00772 |
| 2046 Dec | 26.8 | 0.00893 | 0.00402 | 0.00052 | 5.48 | 0.0337 | 3.85 | 0.0000052 | 0.00261 | 0.000268 | 0.0052 | 0.009 | 0.0000104 | 4.24 | 0.00000271 | 0.000052 | 0.0000746 | 0.000264 | 0.00772 |
| 2047 Jan | 26.8 | 0.00893 | 0.00402 | 0.00052 | 5.48 | 0.0337 | 3.85 | 0.0000052 | 0.00261 | 0.000268 | 0.0052 | 0.009 | 0.0000104 | 4.24 | 0.00000271 | 0.000052 | 0.0000746 | 0.000264 | 0.00772 |
| 2047 Feb | 26.8 | 0.00893 | 0.00402 | 0.00052 | 5.48 | 0.0337 | 3.85 | 0.0000052 | 0.00261 | 0.000268 | 0.0052 | 0.009 | 0.0000104 | 4.24 | 0.00000271 | 0.000052 | 0.0000746 | 0.000264 | 0.00772 |
| 2047 Mar | 26.8 | 0.00894 | 0.00402 | 0.00052 | 5.48 | 0.0338 | 3.85 | 0.0000052 | 0.00262 | 0.000268 | 0.0052 | 0.009 | 0.0000104 | 4.24 | 0.00000271 | 0.000052 | 0.0000746 | 0.000264 | 0.00773 |
| 2047 Apr | 26.9 | 0.00894 | 0.00402 | 0.000521 | 5.48 | 0.0338 | 3.85 | 0.00000521 | 0.00262 | 0.000268 | 0.00521 | 0.00901 | 0.0000104 | 4.24 | 0.00000271 | 0.0000521 | 0.0000746 | 0.000264 | 0.00773 |
| 2047 May | 26.7 | 0.00893 | 0.00396 | 0.00052 | 5.41 | 0.0336 | 3.84 | 0.0000052 | 0.0026 | 0.000266 | 0.0052 | 0.00897 | 0.0000104 | 4.22 | 0.0000027 | 0.000052 | 0.0000736 | 0.000263 | 0.00762 |
| 2047 Jun | 26 | 0.00884 | 0.00366 | 0.000509 | 5.03 | 0.0327 | 3.78 | 0.00000509 | 0.00244 | 0.000255 | 0.00509 | 0.00874 | 0.0000102 | 4.06 | 0.00000262 | 0.0000509 | 0.0000682 | 0.000257 | 0.00682 |
| 2047 Jul | 26.7 | 0.00903 | 0.00377 | 0.000522 | 5.18 | 0.0336 | 3.87 | 0.00000522 | 0.00251 | 0.000262 | 0.00522 | 0.00897 | 0.0000104 | 4.17 | 0.00000268 | 0.0000522 | 0.0000706 | 0.000264 | 0.00704 |
| 2047 Aug | 26.9 | 0.00901 | 0.0038 | 0.000531 | 5.23 | 0.0339 | 3.91 | 0.00000531 | 0.00262 | 0.000265 | 0.00531 | 0.00905 | 0.0000106 | 4.21 | 0.00000273 | 0.0000531 | 0.0000719 | 0.000268 | 0.00734 |
| 2047 Sep | 26.5 | 0.0089 | 0.00373 | 0.000528 | 5.15 | 0.0334 | 3.85 | 0.00000528 | 0.00268 | 0.000262 | 0.00528 | 0.00888 | 0.0000106 | 4.15 | 0.00000271 | 0.0000528 | 0.0000707 | 0.000266 | 0.00757 |
| 2047 Oct | 26.3 | 0.00886 | 0.00371 | 0.000527 | 5.12 | 0.0333 | 3.83 | 0.00000527 | 0.00272 | 0.000261 | 0.00527 | 0.00881 | 0.0000105 | 4.13 | 0.00000273 | 0.0000527 | 0.0000705 | 0.000267 | 0.00765 |
| 2047 Nov | 26.4 | 0.00886 | 0.00371 | 0.000528 | 5.13 | 0.0333 | 3.83 | 0.00000528 | 0.00273 | 0.000261 | 0.00528 | 0.00882 | 0.0000106 | 4.13 | 0.00000274 | 0.0000528 | 0.0000707 | 0.000267 | 0.00766 |
| 2047 Dec | 26.4 | 0.00886 | 0.00371 | 0.000528 | 5.13 | 0.0333 | 3.83 | 0.00000528 | 0.00273 | 0.000261 | 0.00528 | 0.00882 | 0.0000106 | 4.13 | 0.00000274 | 0.0000528 | 0.0000707 | 0.000267 | 0.00766 |
| 2048 Jan | 26.4 | 0.00886 | 0.00371 | 0.000528 | 5.13 | 0.0333 | 3.83 | 0.00000528 | 0.00273 | 0.000261 | 0.00528 | 0.00882 | 0.0000106 | 4.13 | 0.00000274 | 0.0000528 | 0.0000707 | 0.000267 | 0.00766 |
| 2048 Feb | 26.4 | 0.00886 | 0.00371 | 0.000528 | 5.13 | 0.0333 | 3.83 | 0.00000528 | 0.00273 | 0.000261 | 0.00528 | 0.00882 | 0.0000106 | 4.13 | 0.00000274 | 0.0000528 | 0.0000707 | 0.000267 | 0.00766 |
| 2048 Mar | 26.4 | 0.00886 | 0.00371 | 0.000528 | 5.13 | 0.0333 | 3.83 | 0.00000528 | 0.00273 | 0.000261 | 0.00528 | 0.00882 | 0.0000106 | 4.13 | 0.00000274 | 0.0000528 | 0.0000707 | 0.000267 | 0.00766 |
| 2048 Apr | 26.4 | 0.00887 | 0.00371 | 0.000528 | 5.13 | 0.0333 | 3.84 | 0.00000528 | 0.00274 | 0.000261 | 0.00528 | 0.00883 | 0.0000106 | 4.14 | 0.00000275 | 0.0000528 | 0.0000707 | 0.000268 | 0.00767 |
| 2048 May | 26.5 | 0.00892 | 0.00373 | 0.000531 | 5.16 | 0.0335 | 3.86 | 0.00000531 | 0.00275 | 0.000263 | 0.00531 | 0.00887 | 0.0000106 | 4.16 | 0.00000276 | 0.0000531 | 0.0000711 | 0.000269 | 0.00771 |
| 2048 Jun | 26.8 | 0.00913 | 0.00393 | 0.000512 | 5.35 | 0.0336 | 3.87 | 0.00000512 | 0.00235 | 0.000263 | 0.00512 | 0.00904 | 0.0000102 | 4.2 | 0.00000263 | 0.0000512 | 0.000072 | 0.000258 | 0.00681 |
| 2048 Jul | 27 | 0.00918 | 0.00404 | 0.000506 | 5.46 | 0.0338 | 3.88 | 0.00000506 | 0.00222 | 0.000265 | 0.00506 | 0.00915 | 0.0000101 | 4.24 | 0.00000259 | 0.0000506 | 0.0000737 | 0.000255 | 0.00657 |
| 2048 Aug | 27.3 | 0.00918 | 0.00408 | 0.000515 | 5.52 | 0.0342 | 3.92 | 0.00000515 | 0.00233 | 0.000269 | 0.00515 | 0.00925 | 0.0000103 | 4.29 | 0.00000263 | 0.0000515 | 0.0000753 | 0.00026 | 0.00688 |
| 2048 Sep | 27.4 | 0.00922 | 0.00409 | 0.000519 | 5.54 | 0.0343 | 3.93 | 0.00000519 | 0.00238 | 0.00027 | 0.00519 | 0.00927 | 0.0000104 | 4.31 | 0.00000265 | 0.0000519 | 0.0000754 | 0.000261 | 0.00702 |
| 2048 Oct | 27 | 0.00885 | 0.00404 | 0.000515 | 5.48 | 0.034 | 3.88 | 0.00000515 | 0.00254 | 0.000267 | 0.00515 | 0.00908 | 0.0000103 | 4.25 | 0.00000282 | 0.0000515 | 0.000076 | 0.000265 | 0.00709 |
| 2048 Nov | 27 | 0.00869 | 0.00404 | 0.000514 | 5.47 | 0.034 | 3.87 | 0.00000514 | 0.00263 | 0.000267 | 0.00514 | 0.00903 | 0.0000103 | 4.24 | 0.00000292 | 0.0000514 | 0.0000767 | 0.000268 | 0.00712 |
| 2048 Dec | 27 | 0.00869 | 0.00404 | 0.000514 | 5.47 | 0.034 | 3.87 | 0.00000514 | 0.00263 | 0.000267 | 0.00514 | 0.00903 | 0.0000103 | 4.24 | 0.00000292 | 0.0000514 | 0.0000767 | 0.000268 | 0.00712 |
| 2049 Jan | 27 | 0.00869 | 0.00404 | 0.000514 | 5.47 | 0.034 | 3.87 | 0.00000514 | 0.00263 | 0.000267 | 0.00514 | 0.00903 | 0.0000103 | 4.24 | 0.00000292 | 0.0000514 | 0.0000767 | 0.000268 | 0.00712 |
| 2049 Feb | 27 | 0.00869 | 0.00404 | 0.000514 | 5.47 | 0.034 | 3.87 | 0.00000514 | 0.00263 | 0.000267 | 0.00514 | 0.00903 | 0.0000103 | 4.24 | 0.00000292 | 0.0000514 | 0.0000767 | 0.000268 | 0.00712 |
| 2049 Mar | 27 | 0.00869 | 0.00404 | 0.000514 | 5.47 | 0.034 | 3.87 | 0.00000514 | 0.00263 | 0.000267 | 0.00514 | 0.00904 | 0.0000103 | 4.24 | 0.00000292 | 0.0000514 | 0.0000767 | 0.000269 | 0.00712 |
| 2049 Apr | 27 | 0.0087 | 0.00405 | 0.000515 | 5.48 | 0.034 | 3.88 | 0.00000515 | 0.00264 | 0.000267 | 0.00515 | 0.00904 | 0.0000103 | 4.25 | 0.00000293 | 0.0000515 | 0.0000768 | 0.000269 | 0.00712 |
| 2049 May | 27.2 | 0.00875 | 0.00407 | 0.000518 | 5.51 | 0.0343 | 3.9 | 0.00000518 | 0.00265 | 0.000269 | 0.00518 | 0.0091 | 0.0000104 | 4.27 | 0.00000294 | 0.0000518 | 0.0000772 | 0.00027 | 0.00717 |
| 2049 Jun | 27.4 | 0.00906 | 0.00418 | 0.000504 | 5.61 | 0.0343 | 3.91 | 0.00000504 | 0.00229 | 0.000269 | 0.00504 | 0.00923 | 0.0000101 | 4.3 | 0.00000277 | 0.0000504 | 0.0000766 | 0.00026 | 0.00645 |
| 2049 Jul | 27.2 | 0.00898 | 0.00418 | 0.000498 | 5.6 | 0.034 | 3.88 | 0.00000498 | 0.00222 | 0.000267 | 0.00498 | 0.00921 | 0.00000997 | 4.27 | 0.00000269 | 0.0000498 | 0.0000768 | 0.000256 | 0.00639 |
| 2049 Aug | 27.3 | 0.0089 | 0.00419 | 0.000506 | 5.63 | 0.0342 | 3.89 | 0.00000506 | 0.00234 | 0.000269 | 0.00506 | 0.00924 | 0.0000101 | 4.3 | 0.00000273 | 0.0000506 | 0.0000778 | 0.00026 | 0.00673 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 26.7 | 0.0087 | 0.00406 | 0.000504 | 5.49 | 0.0335 | 3.81 | 0.00000504 | 0.00245 | 0.000265 | 0.00504 | 0.009 | 0.0000101 | 4.21 | 0.00000271 | 0.0000504 | 0.0000757 | 0.000258 | 0.00708 |
| 2049 Oct | 26.5 | 0.00858 | 0.00403 | 0.000503 | 5.45 | 0.0333 | 3.79 | 0.00000503 | 0.00253 | 0.000263 | 0.00503 | 0.0089 | 0.0000101 | 4.18 | 0.00000277 | 0.0000503 | 0.0000757 | 0.00026 | 0.00718 |
| 2049 Nov | 26.5 | 0.00856 | 0.00403 | 0.000504 | 5.45 | 0.0334 | 3.79 | 0.00000504 | 0.00255 | 0.000263 | 0.00504 | 0.00889 | 0.0000101 | 4.18 | 0.00000279 | 0.0000504 | 0.0000758 | 0.000261 | 0.00719 |
| 2049 Dec | 26.5 | 0.00856 | 0.00403 | 0.000504 | 5.45 | 0.0334 | 3.79 | 0.00000504 | 0.00255 | 0.000263 | 0.00504 | 0.00889 | 0.0000101 | 4.18 | 0.00000279 | 0.0000504 | 0.0000758 | 0.000261 | 0.00719 |
| 2050 Jan | 26.5 | 0.00856 | 0.00403 | 0.000504 | 5.45 | 0.0334 | 3.79 | 0.00000504 | 0.00255 | 0.000263 | 0.00504 | 0.00889 | 0.0000101 | 4.18 | 0.00000279 | 0.0000504 | 0.0000758 | 0.000261 | 0.00719 |
| 2050 Feb | 26.5 | 0.00856 | 0.00403 | 0.000504 | 5.45 | 0.0334 | 3.79 | 0.00000504 | 0.00255 | 0.000263 | 0.00504 | 0.00889 | 0.0000101 | 4.18 | 0.00000279 | 0.0000504 | 0.0000758 | 0.000261 | 0.00719 |
| 2050 Mar | 26.5 | 0.00856 | 0.00403 | 0.000504 | 5.45 | 0.0334 | 3.79 | 0.00000504 | 0.00255 | 0.000263 | 0.00504 | 0.00889 | 0.0000101 | 4.18 | 0.00000279 | 0.0000504 | 0.0000758 | 0.000261 | 0.00719 |
| 2050 Apr | 26.5 | 0.00857 | 0.00404 | 0.000504 | 5.45 | 0.0334 | 3.79 | 0.00000504 | 0.00256 | 0.000264 | 0.00504 | 0.0089 | 0.0000101 | 4.19 | 0.00000279 | 0.0000504 | 0.0000759 | 0.000261 | 0.00719 |
| 2050 May | 26.7 | 0.00861 | 0.00405 | 0.000506 | 5.48 | 0.0336 | 3.81 | 0.00000506 | 0.00257 | 0.000265 | 0.00506 | 0.00894 | 0.0000101 | 4.21 | 0.00000281 | 0.0000506 | 0.0000763 | 0.000262 | 0.00723 |
| 2050 Jun | 27 | 0.00887 | 0.00414 | 0.000502 | 5.57 | 0.0338 | 3.85 | 0.00000502 | 0.00235 | 0.000266 | 0.00502 | 0.00909 | 0.00001 | 4.25 | 0.00000273 | 0.0000502 | 0.0000761 | 0.000258 | 0.00675 |
| 2050 Jul | 27.2 | 0.00894 | 0.00419 | 0.000502 | 5.63 | 0.034 | 3.87 | 0.00000502 | 0.00229 | 0.000268 | 0.00502 | 0.0092 | 0.00001 | 4.28 | 0.00000269 | 0.0000502 | 0.0000772 | 0.000257 | 0.00669 |
| 2050 Aug | 27.4 | 0.00893 | 0.00422 | 0.00051 | 5.67 | 0.0344 | 3.9 | 0.0000051 | 0.00239 | 0.000271 | 0.0051 | 0.00928 | 0.0000102 | 4.32 | 0.00000273 | 0.000051 | 0.0000785 | 0.000261 | 0.00698 |
| 2050 Sep | 27.1 | 0.0088 | 0.00416 | 0.000511 | 5.61 | 0.034 | 3.86 | 0.00000511 | 0.00247 | 0.000269 | 0.00511 | 0.00915 | 0.0000102 | 4.28 | 0.00000273 | 0.0000511 | 0.0000775 | 0.000261 | 0.00722 |
| 2050 Oct | 27.2 | 0.00883 | 0.00416 | 0.000513 | 5.62 | 0.0341 | 3.87 | 0.00000513 | 0.00249 | 0.00027 | 0.00513 | 0.00916 | 0.0000103 | 4.29 | 0.00000274 | 0.0000513 | 0.0000776 | 0.000262 | 0.00728 |
| 2050 Nov | 27.2 | 0.00884 | 0.00416 | 0.000513 | 5.62 | 0.0341 | 3.87 | 0.00000513 | 0.0025 | 0.00027 | 0.00513 | 0.00917 | 0.0000103 | 4.29 | 0.00000274 | 0.0000513 | 0.0000777 | 0.000262 | 0.00729 |
| 2050 Dec | 27.2 | 0.00884 | 0.00416 | 0.000513 | 5.62 | 0.0341 | 3.87 | 0.00000513 | 0.0025 | 0.00027 | 0.00513 | 0.00917 | 0.0000103 | 4.29 | 0.00000274 | 0.0000513 | 0.0000777 | 0.000262 | 0.00729 |
| 2051 Jan | 27.2 | 0.00884 | 0.00416 | 0.000513 | 5.62 | 0.0341 | 3.87 | 0.00000513 | 0.0025 | 0.00027 | 0.00513 | 0.00917 | 0.0000103 | 4.29 | 0.00000274 | 0.0000513 | 0.0000777 | 0.000262 | 0.00729 |
| 2051 Feb | 27.2 | 0.00884 | 0.00416 | 0.000513 | 5.62 | 0.0341 | 3.87 | 0.00000513 | 0.0025 | 0.00027 | 0.00513 | 0.00917 | 0.0000103 | 4.29 | 0.00000274 | 0.0000513 | 0.0000777 | 0.000262 | 0.00729 |
| 2051 Mar | 27.2 | 0.00884 | 0.00416 | 0.000513 | 5.62 | 0.0341 | 3.87 | 0.00000513 | 0.0025 | 0.00027 | 0.00513 | 0.00917 | 0.0000103 | 4.29 | 0.00000274 | 0.0000513 | 0.0000777 | 0.000262 | 0.00729 |
| 2051 Apr | 27.2 | 0.00885 | 0.00417 | 0.000514 | 5.63 | 0.0342 | 3.88 | 0.00000514 | 0.0025 | 0.00027 | 0.00514 | 0.00918 | 0.0000103 | 4.3 | 0.00000274 | 0.0000514 | 0.0000777 | 0.000262 | 0.0073 |
| 2051 May | 27.3 | 0.00889 | 0.00417 | 0.000516 | 5.64 | 0.0343 | 3.9 | 0.00000516 | 0.00251 | 0.000271 | 0.00516 | 0.00922 | 0.0000103 | 4.31 | 0.00000275 | 0.0000516 | 0.0000779 | 0.000264 | 0.00731 |
| 2051 Jun | 26.8 | 0.00898 | 0.00403 | 0.0005 | 5.44 | 0.0336 | 3.85 | 0.000005 | 0.00222 | 0.000263 | 0.005 | 0.00909 | 0.00001 | 4.21 | 0.00000262 | 0.00005 | 0.0000737 | 0.000254 | 0.00643 |
| 2051 Jul | 27.3 | 0.00913 | 0.00412 | 0.000505 | 5.55 | 0.0341 | 3.9 | 0.00000505 | 0.0022 | 0.000267 | 0.00505 | 0.00925 | 0.0000101 | 4.28 | 0.00000263 | 0.0000505 | 0.0000753 | 0.000256 | 0.00644 |
| 2051 Aug | 27.1 | 0.00886 | 0.00408 | 0.00051 | 5.52 | 0.0339 | 3.87 | 0.0000051 | 0.00236 | 0.000267 | 0.0051 | 0.00917 | 0.0000102 | 4.26 | 0.00000265 | 0.000051 | 0.0000754 | 0.000258 | 0.00687 |
| 2051 Sep | 26.8 | 0.00876 | 0.00403 | 0.000511 | 5.47 | 0.0337 | 3.84 | 0.00000511 | 0.00244 | 0.000266 | 0.00511 | 0.00907 | 0.0000102 | 4.23 | 0.00000265 | 0.0000511 | 0.0000746 | 0.000259 | 0.00713 |
| 2051 Oct | 26.5 | 0.00858 | 0.00398 | 0.000509 | 5.4 | 0.0334 | 3.8 | 0.00000509 | 0.00257 | 0.000264 | 0.00509 | 0.00891 | 0.0000102 | 4.18 | 0.00000275 | 0.0000509 | 0.0000745 | 0.000261 | 0.00726 |
| 2051 Nov | 26.5 | 0.00848 | 0.00397 | 0.000508 | 5.4 | 0.0334 | 3.79 | 0.00000508 | 0.00262 | 0.000263 | 0.00508 | 0.00888 | 0.0000102 | 4.17 | 0.00000281 | 0.0000508 | 0.0000749 | 0.000263 | 0.00727 |
| 2051 Dec | 26.5 | 0.00848 | 0.00397 | 0.000508 | 5.4 | 0.0334 | 3.79 | 0.00000508 | 0.00262 | 0.000263 | 0.00508 | 0.00888 | 0.0000102 | 4.17 | 0.00000281 | 0.0000508 | 0.0000749 | 0.000263 | 0.00727 |
| 2052 Jan | 26.5 | 0.00848 | 0.00397 | 0.000508 | 5.39 | 0.0334 | 3.79 | 0.00000508 | 0.00262 | 0.000263 | 0.00508 | 0.00888 | 0.0000102 | 4.17 | 0.00000281 | 0.0000508 | 0.0000749 | 0.000263 | 0.00727 |
| 2052 Feb | 26.5 | 0.00848 | 0.00397 | 0.000508 | 5.39 | 0.0334 | 3.79 | 0.00000508 | 0.00262 | 0.000263 | 0.00508 | 0.00888 | 0.0000102 | 4.17 | 0.00000281 | 0.0000508 | 0.0000749 | 0.000263 | 0.00727 |
| 2052 Mar | 26.5 | 0.00848 | 0.00397 | 0.000508 | 5.4 | 0.0334 | 3.79 | 0.00000508 | 0.00262 | 0.000263 | 0.00508 | 0.00888 | 0.0000102 | 4.17 | 0.00000281 | 0.0000508 | 0.0000749 | 0.000263 | 0.00727 |
| 2052 Apr | 26.5 | 0.00849 | 0.00398 | 0.000509 | 5.4 | 0.0334 | 3.8 | 0.00000509 | 0.00262 | 0.000263 | 0.00509 | 0.00888 | 0.0000102 | 4.18 | 0.00000281 | 0.0000509 | 0.000075 | 0.000263 | 0.00728 |
| 2052 May | 26.6 | 0.00853 | 0.00398 | 0.000511 | 5.4 | 0.0335 | 3.81 | 0.00000511 | 0.00263 | 0.000264 | 0.00511 | 0.00891 | 0.0000102 | 4.19 | 0.00000282 | 0.0000511 | 0.000075 | 0.000264 | 0.00728 |
| 2052 Jun | 26.8 | 0.0088 | 0.004 | 0.000506 | 5.41 | 0.0336 | 3.84 | 0.00000506 | 0.0024 | 0.000264 | 0.00506 | 0.00902 | 0.0000101 | 4.2 | 0.00000273 | 0.0000506 | 0.0000739 | 0.00026 | 0.00672 |
| 2052 Jul | 27.4 | 0.00902 | 0.00411 | 0.000516 | 5.56 | 0.0344 | 3.93 | 0.00000516 | 0.00242 | 0.00027 | 0.00516 | 0.00925 | 0.0000103 | 4.31 | 0.00000277 | 0.0000516 | 0.000076 | 0.000264 | 0.00681 |
| 2052 Aug | 27.5 | 0.00895 | 0.00412 | 0.000522 | 5.58 | 0.0346 | 3.94 | 0.00000522 | 0.00251 | 0.000272 | 0.00522 | 0.00928 | 0.0000104 | 4.33 | 0.0000028 | 0.0000522 | 0.0000765 | 0.000267 | 0.00709 |
| 2052 Sep | 27.3 | 0.00884 | 0.00408 | 0.000523 | 5.55 | 0.0344 | 3.92 | 0.00000523 | 0.00258 | 0.000271 | 0.00523 | 0.0092 | 0.0000105 | 4.3 | 0.0000028 | 0.0000523 | 0.0000759 | 0.000267 | 0.0073 |
| 2052 Oct | 27.3 | 0.00884 | 0.00407 | 0.000523 | 5.53 | 0.0343 | 3.91 | 0.00000523 | 0.00261 | 0.000271 | 0.00523 | 0.00917 | 0.0000105 | 4.3 | 0.00000282 | 0.0000523 | 0.0000758 | 0.000268 | 0.00735 |
| 2052 Nov | 27.3 | 0.00884 | 0.00407 | 0.000524 | 5.54 | 0.0344 | 3.92 | 0.00000524 | 0.00261 | 0.000271 | 0.00524 | 0.00918 | 0.0000105 | 4.3 | 0.00000282 | 0.0000524 | 0.0000759 | 0.000268 | 0.00736 |
| 2052 Dec | 27.3 | 0.00884 | 0.00407 | 0.000524 | 5.54 | 0.0344 | 3.92 | 0.00000524 | 0.00261 | 0.000271 | 0.00524 | 0.00918 | 0.0000105 | 4.3 | 0.00000282 | 0.0000524 | 0.0000759 | 0.000268 | 0.00736 |
| 2053 Jan | 27.3 | 0.00884 | 0.00407 | 0.000524 | 5.54 | 0.0344 | 3.92 | 0.00000524 | 0.00261 | 0.000271 | 0.00524 | 0.00918 | 0.0000105 | 4.3 | 0.00000282 | 0.0000524 | 0.0000759 | 0.000268 | 0.00736 |
| 2053 Feb | 27.3 | 0.00884 | 0.00407 | 0.000524 | 5.54 | 0.0344 | 3.92 | 0.00000524 | 0.00261 | 0.000271 | 0.00524 | 0.00918 | 0.0000105 | 4.3 | 0.00000282 | 0.0000524 | 0.0000759 | 0.000268 | 0.00736 |
| 2053 Mar | 27.3 | 0.00884 | 0.00407 | 0.000524 | 5.54 | 0.0344 | 3.92 | 0.00000524 | 0.00261 | 0.000271 | 0.00524 | 0.00918 | 0.0000105 | 4.3 | 0.00000282 | 0.0000524 | 0.0000759 | 0.000268 | 0.00736 |
| 2053 Apr | 27.4 | 0.00885 | 0.00408 | 0.000524 | 5.55 | 0.0344 | 3.92 | 0.00000524 | 0.00262 | 0.000271 | 0.00524 | 0.00919 | 0.0000105 | 4.31 | 0.00000282 | 0.0000524 | 0.000076 | 0.000269 | 0.00737 |
| 2053 May | 27.3 | 0.00888 | 0.00403 | 0.000526 | 5.49 | 0.0344 | 3.93 | 0.00000526 | 0.00262 | 0.00027 | 0.00526 | 0.00918 | 0.0000105 | 4.29 | 0.00000282 | 0.0000526 | 0.0000753 | 0.000269 | 0.0073 |
| 2053 Jun | 27 | 0.00899 | 0.00396 | 0.000509 | 5.38 | 0.0338 | 3.88 | 0.00000509 | 0.00232 | 0.000264 | 0.00509 | 0.00911 | 0.0000102 | 4.22 | 0.00000268 | 0.0000509 | 0.0000726 | 0.000259 | 0.00652 |
| 2053 Jul | 27.6 | 0.00922 | 0.00409 | 0.000518 | 5.53 | 0.0346 | 3.97 | 0.00000518 | 0.00233 | 0.00027 | 0.00518 | 0.00934 | 0.0000104 | 4.32 | 0.00000272 | 0.0000518 | 0.0000746 | 0.000263 | 0.00659 |
| 2053 Aug | 27.8 | 0.00917 | 0.00411 | 0.000527 | 5.58 | 0.0349 | 4 | 0.00000527 | 0.00244 | 0.000273 | 0.00527 | 0.0094 | 0.0000105 | 4.36 | 0.00000276 | 0.0000527 | 0.0000756 | 0.000268 | 0.00692 |
| 2053 Sep | 27.8 | 0.00913 | 0.0041 | 0.00053 | 5.58 | 0.0349 | 4 | 0.0000053 | 0.0025 | 0.000274 | 0.0053 | 0.00938 | 0.0000106 | 4.36 | 0.00000277 | 0.000053 | 0.0000756 | 0.000269 | 0.0071 |
| 2053 Oct | 27.8 | 0.00912 | 0.00409 | 0.00053 | 5.57 | 0.0349 | 3.99 | 0.0000053 | 0.00254 | 0.000274 | 0.0053 | 0.00936 | 0.0000106 | 4.36 | 0.0000028 | 0.000053 | 0.0000756 | 0.00027 | 0.00716 |
| 2053 Nov | 27.8 | 0.00908 | 0.00409 | 0.00053 | 5.57 | 0.0349 | 3.99 | 0.0000053 | 0.00256 | 0.000274 | 0.0053 | 0.00935 | 0.0000106 | 4.35 | 0.00000282 | 0.000053 | 0.0000758 | 0.000271 | 0.00717 |
| 2053 Dec | 27.8 | 0.00908 | 0.00409 | 0.00053 | 5.57 | 0.0349 | 3.99 | 0.0000053 | 0.00256 | 0.000274 | 0.0053 | 0.00934 | 0.0000106 | 4.35 | 0.00000282 | 0.000053 | 0.0000758 | 0.000271 | 0.00717 |
| 2054 Jan | 27.8 | 0.00908 | 0.00409 | 0.00053 | 5.57 | 0.0349 | 3.99 | 0.0000053 | 0.00256 | 0.000274 | 0.0053 | 0.00934 | 0.0000106 | 4.35 | 0.00000282 | 0.000053 | 0.0000758 | 0.000271 | 0.00717 |
| 2054 Feb | 27.8 | 0.00908 | 0.00409 | 0.00053 | 5.57 | 0.0349 | 3.99 | 0.0000053 | 0.00256 | 0.000274 | 0.0053 | 0.00934 | 0.0000106 | 4.35 | 0.00000282 | 0.000053 | 0.0000758 | 0.000271 | 0.00717 |
| 2054 Mar | 27.8 | 0.00908 | 0.00409 | 0.00053 | 5.57 | 0.0349 | 3.99 | 0.0000053 | 0.00256 | 0.000274 | 0.0053 | 0.00934 | 0.0000106 | 4.35 | 0.00000282 | 0.000053 | 0.0000758 | 0.000271 | 0.00717 |
| 2054 Apr | 27.8 | 0.00909 | 0.0041 | 0.000531 | 5.57 | 0.0349 | 3.99 | 0.00000531 | 0.00256 | 0.000274 | 0.00531 | 0.00935 | 0.0000106 | 4.36 | 0.00000283 | 0.0000531 | 0.0000759 | 0.000271 | 0.00718 |
| 2054 May | 27.9 | 0.00913 | 0.0041 | 0.000534 | 5.58 | 0.0351 | 4.01 | 0.00000534 | 0.00258 | 0.000275 | 0.00534 | 0.00939 | 0.0000107 | 4.38 | 0.00000284 | 0.0000534 | 0.0000761 | 0.000272 | 0.0072 |
| 2054 Jun | 27.2 | 0.00909 | 0.00392 | 0.000516 | 5.34 | 0.0341 | 3.92 | 0.00000516 | 0.00234 | 0.000265 | 0.00516 | 0.00917 | 0.0000103 | 4.23 | 0.0000027 | 0.0000516 | 0.000072 | 0.000262 | 0.00648 |
| 2054 Jul | 26.7 | 0.00879 | 0.00389 | 0.000512 | 5.29 | 0.0336 | 3.85 | 0.00000512 | 0.00241 | 0.000262 | 0.00512 | 0.00905 | 0.0000102 | 4.18 | 0.00000267 | 0.0000512 | 0.0000733 | 0.000259 | 0.00676 |
| 2054 Aug | 25.8 | 0.00809 | 0.00373 | 0.000509 | 5.12 | 0.0326 | 3.71 | 0.00000509 | 0.00264 | 0.000257 | 0.00509 | 0.0087 | 0.0000102 | 4.05 | 0.00000264 | 0.0000509 | 0.0000714 | 0.000257 | 0.00741 |
| 2054 Sep | 25.2 | 0.00776 | 0.00362 | 0.000507 | 5.01 | 0.0319 | 3.62 | 0.00000507 | 0.00277 | 0.000253 | 0.00507 | 0.00845 | 0.0000101 | 3.97 | 0.00000262 | 0.0000507 | 0.0000695 | 0.000256 | 0.00782 |
| 2054 Oct | 24.8 | 0.00746 | 0.00357 | 0.000501 | 4.94 | 0.0315 | 3.57 | 0.00000501 | 0.00295 | 0.00025 | 0.00501 | 0.00823 | 0.00001 | 3.91 | 0.00000281 | 0.0000501 | 0.0000701 | 0.000261 | 0.0079 |
| 2054 Nov | 24.7 | 0.00731 | 0.00358 | 0.0005 | 4.95 | 0.0315 | 3.56 | 0.000005 | 0.00303 | 0.00025 | 0.005 | 0.00819 | 0.00001 | 3.9 | 0.00000292 | 0.00005 | 0.000071 | 0.000264 | 0.0079 |
| 2054 Dec | 24.7 | 0.00731 | 0.00358 | 0.0005 | 4.95 | 0.0315 | 3.56 | 0.000005 | 0.00303 | 0.00025 | 0.005 | 0.00819 | 0.00001 | 3.9 | 0.00000292 | 0.00005 | 0.000071 | 0.000264 | 0.0079 |
| 2055 Jan | 24.7 | 0.00731 | 0.00358 | 0.0005 | 4.95 | 0.0315 | 3.56 | 0.000005 | 0.00303 | 0.00025 | 0.005 | 0.00819 | 0.00001 | 3.9 | 0.00000292 | 0.00005 | 0.000071 | 0.000264 | 0.0079 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 24.7 | 0.00731 | 0.00358 | 0.0005 | 4.95 | 0.0315 | 3.56 | 0.000005 | 0.00303 | 0.00025 | 0.005 | 0.00819 | 0.00001 | 3.9 | 0.00000292 | 0.00005 | 0.000071 | 0.000264 | 0.0079 |
| 2055 Mar | 24.7 | 0.00731 | 0.00358 | 0.0005 | 4.95 | 0.0315 | 3.56 | 0.000005 | 0.00303 | 0.00025 | 0.005 | 0.00819 | 0.00001 | 3.9 | 0.00000292 | 0.00005 | 0.000071 | 0.000264 | 0.0079 |
| 2055 Apr | 24.7 | 0.00731 | 0.00358 | 0.000501 | 4.95 | 0.0316 | 3.56 | 0.00000501 | 0.00303 | 0.00025 | 0.00501 | 0.0082 | 0.00001 | 3.9 | 0.00000292 | 0.0000501 | 0.000071 | 0.000264 | 0.00791 |
| 2055 May | 24.9 | 0.00735 | 0.0036 | 0.000503 | 4.97 | 0.0317 | 3.58 | 0.00000503 | 0.00305 | 0.000251 | 0.00503 | 0.00823 | 0.0000101 | 3.92 | 0.00000293 | 0.0000503 | 0.0000713 | 0.000265 | 0.00795 |
| 2055 Jun | 25.7 | 0.00799 | 0.00383 | 0.000497 | 5.22 | 0.0325 | 3.68 | 0.00000497 | 0.00265 | 0.000256 | 0.00497 | 0.0086 | 0.00000994 | 4.05 | 0.0000028 | 0.0000497 | 0.0000726 | 0.000259 | 0.00717 |
| 2055 Jul | 26.3 | 0.00826 | 0.00396 | 0.000501 | 5.37 | 0.0331 | 3.75 | 0.00000501 | 0.00255 | 0.000261 | 0.00501 | 0.00883 | 0.00001 | 4.14 | 0.00000277 | 0.0000501 | 0.0000745 | 0.000259 | 0.00706 |
| 2055 Aug | 26 | 0.008 | 0.00391 | 0.000505 | 5.32 | 0.0329 | 3.72 | 0.00000505 | 0.0027 | 0.00026 | 0.00505 | 0.00876 | 0.0000101 | 4.11 | 0.00000278 | 0.0000505 | 0.0000753 | 0.000261 | 0.00749 |
| 2055 Sep | 25.4 | 0.00774 | 0.00378 | 0.000502 | 5.19 | 0.0322 | 3.63 | 0.00000502 | 0.0028 | 0.000256 | 0.00502 | 0.0085 | 0.00001 | 4.02 | 0.00000274 | 0.0000502 | 0.000073 | 0.000259 | 0.00784 |
| 2055 Oct | 25.2 | 0.00779 | 0.00374 | 0.000502 | 5.14 | 0.032 | 3.61 | 0.00000502 | 0.00283 | 0.000254 | 0.00502 | 0.00842 | 0.00001 | 3.99 | 0.00000274 | 0.0000502 | 0.0000723 | 0.000258 | 0.00795 |
| 2055 Nov | 25.2 | 0.00778 | 0.00374 | 0.000502 | 5.13 | 0.0319 | 3.6 | 0.00000502 | 0.00283 | 0.000254 | 0.00502 | 0.00841 | 0.00001 | 3.99 | 0.00000274 | 0.0000502 | 0.0000723 | 0.000258 | 0.00793 |
| 2055 Dec | 25.2 | 0.00778 | 0.00374 | 0.000502 | 5.12 | 0.0319 | 3.6 | 0.00000502 | 0.00283 | 0.000254 | 0.00502 | 0.0084 | 0.00001 | 3.98 | 0.00000274 | 0.0000502 | 0.0000722 | 0.000258 | 0.00793 |
| 2056 Jan | 25.2 | 0.00779 | 0.00374 | 0.000502 | 5.12 | 0.0319 | 3.6 | 0.00000502 | 0.00283 | 0.000254 | 0.00502 | 0.0084 | 0.00001 | 3.98 | 0.00000274 | 0.0000502 | 0.0000722 | 0.000258 | 0.00793 |
| 2056 Feb | 25.2 | 0.00779 | 0.00374 | 0.000502 | 5.12 | 0.0319 | 3.6 | 0.00000502 | 0.00283 | 0.000254 | 0.00502 | 0.0084 | 0.00001 | 3.98 | 0.00000274 | 0.0000502 | 0.0000722 | 0.000258 | 0.00793 |
| 2056 Mar | 25.2 | 0.00779 | 0.00374 | 0.000502 | 5.12 | 0.0319 | 3.6 | 0.00000502 | 0.00283 | 0.000254 | 0.00502 | 0.0084 | 0.00001 | 3.98 | 0.00000274 | 0.0000502 | 0.0000722 | 0.000258 | 0.00793 |
| 2056 Apr | 25.2 | 0.00779 | 0.00374 | 0.000502 | 5.12 | 0.0319 | 3.6 | 0.00000502 | 0.00284 | 0.000254 | 0.00502 | 0.0084 | 0.00001 | 3.99 | 0.00000274 | 0.0000502 | 0.0000722 | 0.000258 | 0.00793 |
| 2056 May | 25.2 | 0.00786 | 0.00369 | 0.000504 | 5.07 | 0.0319 | 3.62 | 0.00000504 | 0.00282 | 0.000253 | 0.00504 | 0.00841 | 0.0000101 | 3.98 | 0.00000274 | 0.0000504 | 0.0000713 | 0.000259 | 0.00781 |
| 2056 Jun | 24.6 | 0.00804 | 0.00341 | 0.000492 | 4.71 | 0.0312 | 3.59 | 0.00000492 | 0.00254 | 0.000242 | 0.00492 | 0.00826 | 0.00000984 | 3.84 | 0.00000261 | 0.0000492 | 0.0000654 | 0.000251 | 0.00676 |
| 2056 Jul | 25.2 | 0.00823 | 0.00351 | 0.000501 | 4.85 | 0.0319 | 3.67 | 0.00000501 | 0.00255 | 0.000248 | 0.00501 | 0.00847 | 0.00001 | 3.93 | 0.00000264 | 0.0000501 | 0.0000673 | 0.000255 | 0.00685 |
| 2056 Aug | 25.6 | 0.00828 | 0.00356 | 0.00051 | 4.92 | 0.0323 | 3.72 | 0.0000051 | 0.00264 | 0.000252 | 0.0051 | 0.00859 | 0.0000102 | 3.99 | 0.00000269 | 0.000051 | 0.0000689 | 0.00026 | 0.00712 |
| 2056 Sep | 25.6 | 0.00834 | 0.00357 | 0.000514 | 4.94 | 0.0324 | 3.73 | 0.00000514 | 0.00269 | 0.000253 | 0.00514 | 0.0086 | 0.0000103 | 4 | 0.00000271 | 0.0000514 | 0.000069 | 0.000261 | 0.00727 |
| 2056 Oct | 25.3 | 0.0081 | 0.00354 | 0.00051 | 4.89 | 0.0321 | 3.68 | 0.0000051 | 0.00282 | 0.000251 | 0.0051 | 0.00842 | 0.0000102 | 3.96 | 0.00000283 | 0.000051 | 0.0000694 | 0.000264 | 0.00737 |
| 2056 Nov | 25.3 | 0.00805 | 0.00354 | 0.000509 | 4.89 | 0.0321 | 3.68 | 0.00000509 | 0.00285 | 0.000251 | 0.00509 | 0.00841 | 0.0000102 | 3.96 | 0.00000287 | 0.0000509 | 0.0000697 | 0.000265 | 0.00738 |
| 2056 Dec | 25.3 | 0.00805 | 0.00354 | 0.00051 | 4.89 | 0.0321 | 3.68 | 0.0000051 | 0.00285 | 0.000251 | 0.0051 | 0.00841 | 0.0000102 | 3.96 | 0.00000287 | 0.000051 | 0.0000697 | 0.000265 | 0.00738 |
| 2057 Jan | 25.3 | 0.00805 | 0.00354 | 0.00051 | 4.89 | 0.0321 | 3.68 | 0.0000051 | 0.00285 | 0.000251 | 0.0051 | 0.00841 | 0.0000102 | 3.96 | 0.00000287 | 0.000051 | 0.0000697 | 0.000265 | 0.00738 |
| 2057 Feb | 25.3 | 0.00805 | 0.00354 | 0.00051 | 4.89 | 0.0321 | 3.68 | 0.0000051 | 0.00285 | 0.000251 | 0.0051 | 0.00841 | 0.0000102 | 3.96 | 0.00000287 | 0.000051 | 0.0000697 | 0.000265 | 0.00738 |
| 2057 Mar | 25.3 | 0.00805 | 0.00354 | 0.00051 | 4.89 | 0.0321 | 3.68 | 0.0000051 | 0.00285 | 0.000251 | 0.0051 | 0.00842 | 0.0000102 | 3.96 | 0.00000287 | 0.000051 | 0.0000697 | 0.000265 | 0.00739 |
| 2057 Apr | 25.3 | 0.00806 | 0.00354 | 0.00051 | 4.9 | 0.0322 | 3.68 | 0.0000051 | 0.00285 | 0.000251 | 0.0051 | 0.00842 | 0.0000102 | 3.96 | 0.00000287 | 0.000051 | 0.0000697 | 0.000266 | 0.00739 |
| 2057 May | 25.3 | 0.00811 | 0.0035 | 0.000512 | 4.85 | 0.0322 | 3.7 | 0.00000512 | 0.00283 | 0.000251 | 0.00512 | 0.00843 | 0.0000102 | 3.95 | 0.00000286 | 0.0000512 | 0.000069 | 0.000266 | 0.00729 |
| 2057 Jun | 25.1 | 0.00825 | 0.00337 | 0.000504 | 4.69 | 0.0318 | 3.68 | 0.00000504 | 0.00263 | 0.000245 | 0.00504 | 0.00838 | 0.0000101 | 3.89 | 0.00000275 | 0.0000504 | 0.0000657 | 0.00026 | 0.00669 |
| 2057 Jul | 25.4 | 0.00829 | 0.00344 | 0.000512 | 4.78 | 0.0322 | 3.73 | 0.00000512 | 0.0027 | 0.000249 | 0.00512 | 0.00851 | 0.0000102 | 3.95 | 0.00000279 | 0.0000512 | 0.0000677 | 0.000263 | 0.00694 |
| 2057 Aug | 25.7 | 0.00826 | 0.00348 | 0.000522 | 4.84 | 0.0326 | 3.76 | 0.00000522 | 0.00283 | 0.000253 | 0.00522 | 0.0086 | 0.0000104 | 4 | 0.00000283 | 0.0000522 | 0.0000694 | 0.000268 | 0.0073 |
| 2057 Sep | 25.3 | 0.00823 | 0.00342 | 0.00052 | 4.77 | 0.0322 | 3.71 | 0.0000052 | 0.00288 | 0.00025 | 0.0052 | 0.00843 | 0.0000104 | 3.94 | 0.00000281 | 0.000052 | 0.0000681 | 0.000267 | 0.00755 |
| 2057 Oct | 25 | 0.00816 | 0.00338 | 0.000517 | 4.72 | 0.0318 | 3.66 | 0.00000517 | 0.00294 | 0.000248 | 0.00517 | 0.00828 | 0.0000103 | 3.9 | 0.00000284 | 0.0000517 | 0.0000677 | 0.000267 | 0.00769 |
| 2057 Nov | 25 | 0.00815 | 0.00338 | 0.000517 | 4.72 | 0.0318 | 3.67 | 0.00000517 | 0.00295 | 0.000248 | 0.00517 | 0.00829 | 0.0000103 | 3.9 | 0.00000285 | 0.0000517 | 0.0000678 | 0.000267 | 0.0077 |
| 2057 Dec | 25 | 0.00815 | 0.00338 | 0.000517 | 4.72 | 0.0318 | 3.67 | 0.00000517 | 0.00295 | 0.000248 | 0.00517 | 0.00829 | 0.0000103 | 3.9 | 0.00000285 | 0.0000517 | 0.0000678 | 0.000267 | 0.0077 |
| 2058 Jan | 25 | 0.00815 | 0.00338 | 0.000517 | 4.72 | 0.0318 | 3.67 | 0.00000517 | 0.00295 | 0.000248 | 0.00517 | 0.00829 | 0.0000103 | 3.9 | 0.00000285 | 0.0000517 | 0.0000678 | 0.000267 | 0.0077 |
| 2058 Feb | 25 | 0.00815 | 0.00338 | 0.000517 | 4.72 | 0.0318 | 3.67 | 0.00000517 | 0.00295 | 0.000248 | 0.00517 | 0.00829 | 0.0000103 | 3.9 | 0.00000285 | 0.0000517 | 0.0000678 | 0.000267 | 0.0077 |
| 2058 Mar | 25 | 0.00815 | 0.00338 | 0.000517 | 4.72 | 0.0318 | 3.67 | 0.00000517 | 0.00295 | 0.000248 | 0.00517 | 0.00829 | 0.0000103 | 3.9 | 0.00000285 | 0.0000517 | 0.0000678 | 0.000267 | 0.0077 |
| 2058 Apr | 25 | 0.00815 | 0.00338 | 0.000517 | 4.72 | 0.0318 | 3.67 | 0.00000517 | 0.00296 | 0.000248 | 0.00517 | 0.00829 | 0.0000103 | 3.9 | 0.00000286 | 0.0000517 | 0.0000679 | 0.000267 | 0.0077 |
| 2058 May | 25 | 0.0082 | 0.00336 | 0.000519 | 4.7 | 0.0319 | 3.68 | 0.00000519 | 0.00294 | 0.000248 | 0.00519 | 0.00831 | 0.0000104 | 3.9 | 0.00000285 | 0.0000519 | 0.0000674 | 0.000268 | 0.00761 |
| 2058 Jun | 24.9 | 0.00836 | 0.00329 | 0.000504 | 4.59 | 0.0315 | 3.66 | 0.00000504 | 0.0026 | 0.000242 | 0.00504 | 0.00831 | 0.0000101 | 3.85 | 0.00000269 | 0.0000504 | 0.0000643 | 0.000258 | 0.00668 |
| 2058 Jul | 25.5 | 0.00857 | 0.00341 | 0.000514 | 4.75 | 0.0323 | 3.75 | 0.00000514 | 0.00262 | 0.000249 | 0.00514 | 0.00854 | 0.0000103 | 3.95 | 0.00000274 | 0.0000514 | 0.0000664 | 0.000262 | 0.00679 |
| 2058 Aug | 25.8 | 0.00861 | 0.00346 | 0.000523 | 4.82 | 0.0327 | 3.8 | 0.00000523 | 0.00271 | 0.000253 | 0.00523 | 0.00865 | 0.0000105 | 4.01 | 0.00000278 | 0.0000523 | 0.0000677 | 0.000267 | 0.00705 |
| 2058 Sep | 25.2 | 0.00857 | 0.00337 | 0.000518 | 4.71 | 0.032 | 3.71 | 0.00000518 | 0.00277 | 0.000248 | 0.00518 | 0.00839 | 0.0000104 | 3.92 | 0.00000275 | 0.0000518 | 0.000066 | 0.000264 | 0.00736 |
| 2058 Oct | 24.8 | 0.0085 | 0.00332 | 0.000514 | 4.65 | 0.0315 | 3.66 | 0.00000514 | 0.00285 | 0.000245 | 0.00514 | 0.00821 | 0.0000103 | 3.87 | 0.00000278 | 0.0000514 | 0.0000654 | 0.000264 | 0.00757 |
| 2058 Nov | 24.8 | 0.00845 | 0.00332 | 0.000514 | 4.65 | 0.0315 | 3.66 | 0.00000514 | 0.00288 | 0.000245 | 0.00514 | 0.0082 | 0.0000103 | 3.87 | 0.00000281 | 0.0000514 | 0.0000657 | 0.000265 | 0.00758 |
| 2058 Dec | 24.8 | 0.00845 | 0.00332 | 0.000514 | 4.65 | 0.0315 | 3.66 | 0.00000514 | 0.00288 | 0.000245 | 0.00514 | 0.0082 | 0.0000103 | 3.87 | 0.00000281 | 0.0000514 | 0.0000657 | 0.000265 | 0.00758 |
| 2059 Jan | 24.8 | 0.00845 | 0.00332 | 0.000514 | 4.65 | 0.0315 | 3.66 | 0.00000514 | 0.00288 | 0.000245 | 0.00514 | 0.0082 | 0.0000103 | 3.87 | 0.00000281 | 0.0000514 | 0.0000657 | 0.000265 | 0.00758 |
| 2059 Feb | 24.8 | 0.00845 | 0.00332 | 0.000514 | 4.65 | 0.0315 | 3.66 | 0.00000514 | 0.00288 | 0.000245 | 0.00514 | 0.0082 | 0.0000103 | 3.87 | 0.00000281 | 0.0000514 | 0.0000657 | 0.000265 | 0.00758 |
| 2059 Mar | 24.8 | 0.00845 | 0.00332 | 0.000514 | 4.65 | 0.0315 | 3.66 | 0.00000514 | 0.00288 | 0.000245 | 0.00514 | 0.0082 | 0.0000103 | 3.87 | 0.00000281 | 0.0000514 | 0.0000657 | 0.000265 | 0.00758 |
| 2059 Apr | 24.8 | 0.00846 | 0.00333 | 0.000515 | 4.66 | 0.0316 | 3.66 | 0.00000515 | 0.00288 | 0.000246 | 0.00515 | 0.00821 | 0.0000103 | 3.87 | 0.00000282 | 0.0000515 | 0.0000658 | 0.000265 | 0.00758 |
| 2059 May | 24.9 | 0.0085 | 0.00331 | 0.000517 | 4.64 | 0.0317 | 3.68 | 0.00000517 | 0.00287 | 0.000246 | 0.00517 | 0.00824 | 0.0000103 | 3.88 | 0.00000282 | 0.0000517 | 0.0000655 | 0.000266 | 0.00752 |
| 2059 Jun | 24.8 | 0.00855 | 0.00323 | 0.000511 | 4.53 | 0.0315 | 3.68 | 0.00000511 | 0.0027 | 0.000242 | 0.00511 | 0.00825 | 0.0000102 | 3.84 | 0.00000273 | 0.0000511 | 0.0000633 | 0.000261 | 0.00694 |
| 2059 Jul | 25.4 | 0.00874 | 0.00333 | 0.000522 | 4.67 | 0.0322 | 3.76 | 0.00000522 | 0.00274 | 0.000248 | 0.00522 | 0.00846 | 0.0000104 | 3.94 | 0.00000279 | 0.0000522 | 0.0000654 | 0.000267 | 0.0071 |
| 2059 Aug | 25.7 | 0.00874 | 0.00337 | 0.000529 | 4.73 | 0.0326 | 3.8 | 0.00000529 | 0.00283 | 0.000252 | 0.00529 | 0.00855 | 0.0000106 | 3.98 | 0.00000283 | 0.0000529 | 0.0000666 | 0.000271 | 0.00736 |
| 2059 Sep | 25.3 | 0.00867 | 0.00332 | 0.000527 | 4.67 | 0.0322 | 3.74 | 0.00000527 | 0.00288 | 0.000249 | 0.00527 | 0.0084 | 0.0000105 | 3.93 | 0.0000028 | 0.0000527 | 0.0000656 | 0.000269 | 0.00759 |
| 2059 Oct | 24.8 | 0.00836 | 0.00328 | 0.00052 | 4.61 | 0.0316 | 3.67 | 0.0000052 | 0.00304 | 0.000246 | 0.0052 | 0.00814 | 0.0000104 | 3.86 | 0.00000294 | 0.000052 | 0.000066 | 0.000271 | 0.00779 |
| 2059 Nov | 24.8 | 0.00833 | 0.00329 | 0.00052 | 4.62 | 0.0317 | 3.67 | 0.0000052 | 0.00307 | 0.000246 | 0.0052 | 0.00815 | 0.0000104 | 3.87 | 0.00000298 | 0.000052 | 0.0000664 | 0.000272 | 0.00781 |
| 2059 Dec | 24.8 | 0.00833 | 0.00329 | 0.00052 | 4.62 | 0.0317 | 3.67 | 0.0000052 | 0.00307 | 0.000246 | 0.0052 | 0.00815 | 0.0000104 | 3.87 | 0.00000298 | 0.000052 | 0.0000664 | 0.000272 | 0.00781 |
| 2060 Jan | 24.8 | 0.00833 | 0.00329 | 0.00052 | 4.62 | 0.0317 | 3.67 | 0.0000052 | 0.00307 | 0.000246 | 0.0052 | 0.00815 | 0.0000104 | 3.87 | 0.00000298 | 0.000052 | 0.0000664 | 0.000272 | 0.00781 |
| 2060 Feb | 24.8 | 0.00833 | 0.00329 | 0.00052 | 4.62 | 0.0317 | 3.67 | 0.0000052 | 0.00307 | 0.000246 | 0.0052 | 0.00815 | 0.0000104 | 3.87 | 0.00000298 | 0.000052 | 0.0000664 | 0.000272 | 0.00781 |
| 2060 Mar | 24.8 | 0.00833 | 0.00329 | 0.00052 | 4.62 | 0.0317 | 3.67 | 0.0000052 | 0.00307 | 0.000246 | 0.0052 | 0.00815 | 0.0000104 | 3.87 | 0.00000298 | 0.000052 | 0.0000664 | 0.000272 | 0.00781 |
| 2060 Apr | 24.9 | 0.00834 | 0.0033 | 0.000521 | 4.63 | 0.0317 | 3.68 | 0.00000521 | 0.00307 | 0.000246 | 0.00521 | 0.00816 | 0.0000104 | 3.87 | 0.00000298 | 0.0000521 | 0.0000665 | 0.000273 | 0.00782 |
| 2060 May | 24.7 | 0.00836 | 0.00318 | 0.000517 | 4.48 | 0.0314 | 3.67 | 0.00000517 | 0.00296 | 0.000242 | 0.00517 | 0.00812 | 0.0000103 | 3.82 | 0.0000029 | 0.0000517 | 0.000064 | 0.000269 | 0.00739 |
| 2060 Jun | 24.4 | 0.00837 | 0.00308 | 0.000511 | 4.36 | 0.0311 | 3.65 | 0.00000511 | 0.0028 | 0.000238 | 0.00511 | 0.00808 | 0.0000102 | 3.77 | 0.00000281 | 0.0000511 | 0.0000616 | 0.000264 | 0.0069 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 25 | 0.0085 | 0.00316 | 0.000521 | 4.47 | 0.0318 | 3.72 | 0.00000521 | 0.00286 | 0.000243 | 0.00521 | 0.00826 | 0.0000104 | 3.85 | 0.00000286 | 0.0000521 | 0.0000636 | 0.000269 | 0.00711 |
| 2060 Aug | 24.5 | 0.00805 | 0.00312 | 0.00052 | 4.43 | 0.0313 | 3.64 | 0.0000052 | 0.00301 | 0.000242 | 0.0052 | 0.00812 | 0.0000104 | 3.8 | 0.00000284 | 0.000052 | 0.0000643 | 0.000268 | 0.00762 |
| 2060 Sep | 23.5 | 0.0076 | 0.003 | 0.000511 | 4.3 | 0.0301 | 3.49 | 0.00000511 | 0.00312 | 0.000235 | 0.00511 | 0.00775 | 0.0000102 | 3.67 | 0.00000276 | 0.0000511 | 0.0000618 | 0.000262 | 0.00812 |
| 2060 Oct | 23.3 | 0.00757 | 0.00298 | 0.000508 | 4.27 | 0.0299 | 3.45 | 0.00000508 | 0.00318 | 0.000234 | 0.00508 | 0.00762 | 0.0000102 | 3.64 | 0.0000028 | 0.0000508 | 0.0000617 | 0.000263 | 0.00825 |
| 2060 Nov | 23.3 | 0.00755 | 0.00299 | 0.000508 | 4.28 | 0.0299 | 3.45 | 0.00000508 | 0.0032 | 0.000234 | 0.00508 | 0.00762 | 0.0000102 | 3.64 | 0.00000282 | 0.0000508 | 0.0000619 | 0.000263 | 0.00826 |
| 2060 Dec | 23.3 | 0.00755 | 0.00299 | 0.000508 | 4.28 | 0.0299 | 3.45 | 0.00000508 | 0.0032 | 0.000234 | 0.00508 | 0.00762 | 0.0000102 | 3.64 | 0.00000282 | 0.0000508 | 0.0000619 | 0.000263 | 0.00826 |
| 2061 Jan | 23.3 | 0.00755 | 0.00299 | 0.000508 | 4.28 | 0.0299 | 3.45 | 0.00000508 | 0.0032 | 0.000234 | 0.00508 | 0.00762 | 0.0000102 | 3.64 | 0.00000282 | 0.0000508 | 0.0000619 | 0.000263 | 0.00826 |
| 2061 Feb | 23.3 | 0.00755 | 0.00299 | 0.000508 | 4.28 | 0.0299 | 3.45 | 0.00000508 | 0.0032 | 0.000234 | 0.00508 | 0.00762 | 0.0000102 | 3.64 | 0.00000282 | 0.0000508 | 0.0000619 | 0.000263 | 0.00826 |
| 2061 Mar | 23.3 | 0.00755 | 0.00299 | 0.000508 | 4.28 | 0.0299 | 3.45 | 0.00000508 | 0.0032 | 0.000234 | 0.00508 | 0.00762 | 0.0000102 | 3.64 | 0.00000282 | 0.0000508 | 0.0000619 | 0.000263 | 0.00826 |
| 2061 Apr | 23.3 | 0.00756 | 0.003 | 0.000509 | 4.28 | 0.0299 | 3.46 | 0.00000509 | 0.0032 | 0.000234 | 0.00509 | 0.00763 | 0.0000102 | 3.64 | 0.00000283 | 0.0000509 | 0.000062 | 0.000264 | 0.00827 |
| 2061 May | 23.5 | 0.00764 | 0.00299 | 0.000511 | 4.27 | 0.0301 | 3.48 | 0.00000511 | 0.00317 | 0.000235 | 0.00511 | 0.00768 | 0.0000102 | 3.66 | 0.00000282 | 0.0000511 | 0.0000617 | 0.000264 | 0.00814 |
| 2061 Jun | 23.6 | 0.00794 | 0.00302 | 0.000492 | 4.27 | 0.03 | 3.5 | 0.00000492 | 0.00268 | 0.000231 | 0.00492 | 0.00783 | 0.00000983 | 3.65 | 0.00000263 | 0.0000492 | 0.0000597 | 0.000251 | 0.00683 |
| 2061 Jul | 24 | 0.00798 | 0.00313 | 0.000497 | 4.41 | 0.0305 | 3.54 | 0.00000497 | 0.00271 | 0.000236 | 0.00497 | 0.00799 | 0.00000995 | 3.72 | 0.00000264 | 0.0000497 | 0.0000625 | 0.000254 | 0.00703 |
| 2061 Aug | 24.2 | 0.00793 | 0.00316 | 0.000505 | 4.45 | 0.0308 | 3.56 | 0.00000505 | 0.00281 | 0.000239 | 0.00505 | 0.00806 | 0.0000101 | 3.76 | 0.00000268 | 0.0000505 | 0.0000638 | 0.000257 | 0.00734 |
| 2061 Sep | 24 | 0.00784 | 0.00314 | 0.000506 | 4.44 | 0.0306 | 3.54 | 0.00000506 | 0.00287 | 0.000238 | 0.00506 | 0.00799 | 0.0000101 | 3.74 | 0.00000267 | 0.0000506 | 0.0000634 | 0.000258 | 0.00755 |
| 2061 Oct | 23.8 | 0.00764 | 0.00314 | 0.000502 | 4.42 | 0.0304 | 3.5 | 0.00000502 | 0.00299 | 0.000237 | 0.00502 | 0.00785 | 0.00001 | 3.71 | 0.0000028 | 0.0000502 | 0.0000641 | 0.00026 | 0.00764 |
| 2061 Nov | 23.8 | 0.00759 | 0.00315 | 0.000502 | 4.43 | 0.0304 | 3.51 | 0.00000502 | 0.00302 | 0.000237 | 0.00502 | 0.00785 | 0.00001 | 3.71 | 0.00000284 | 0.0000502 | 0.0000645 | 0.000262 | 0.00765 |
| 2061 Dec | 23.8 | 0.00759 | 0.00315 | 0.000502 | 4.43 | 0.0304 | 3.51 | 0.00000502 | 0.00302 | 0.000237 | 0.00502 | 0.00785 | 0.00001 | 3.71 | 0.00000284 | 0.0000502 | 0.0000645 | 0.000262 | 0.00765 |
| 2062 Jan | 23.8 | 0.00759 | 0.00315 | 0.000502 | 4.43 | 0.0304 | 3.51 | 0.00000502 | 0.00302 | 0.000237 | 0.00502 | 0.00785 | 0.00001 | 3.71 | 0.00000284 | 0.0000502 | 0.0000645 | 0.000262 | 0.00765 |
| 2062 Feb | 23.8 | 0.00759 | 0.00315 | 0.000502 | 4.43 | 0.0304 | 3.51 | 0.00000502 | 0.00302 | 0.000237 | 0.00502 | 0.00785 | 0.00001 | 3.71 | 0.00000284 | 0.0000502 | 0.0000645 | 0.000262 | 0.00765 |
| 2062 Mar | 23.8 | 0.00759 | 0.00315 | 0.000502 | 4.43 | 0.0304 | 3.51 | 0.00000502 | 0.00302 | 0.000237 | 0.00502 | 0.00785 | 0.00001 | 3.71 | 0.00000284 | 0.0000502 | 0.0000645 | 0.000262 | 0.00765 |
| 2062 Apr | 23.8 | 0.00759 | 0.00315 | 0.000502 | 4.44 | 0.0305 | 3.51 | 0.00000502 | 0.00302 | 0.000237 | 0.00502 | 0.00785 | 0.00001 | 3.71 | 0.00000284 | 0.0000502 | 0.0000646 | 0.000262 | 0.00766 |
| 2062 May | 23.9 | 0.00762 | 0.00316 | 0.000504 | 4.45 | 0.0306 | 3.52 | 0.00000504 | 0.00303 | 0.000238 | 0.00504 | 0.00788 | 0.0000101 | 3.73 | 0.00000286 | 0.0000504 | 0.0000648 | 0.000263 | 0.00769 |
| 2062 Jun | 24.9 | 0.00817 | 0.00349 | 0.000496 | 4.82 | 0.0315 | 3.63 | 0.00000496 | 0.00262 | 0.000246 | 0.00496 | 0.00831 | 0.00000991 | 3.89 | 0.00000273 | 0.0000496 | 0.0000675 | 0.000256 | 0.00693 |
| 2062 Jul | 25.5 | 0.00842 | 0.0037 | 0.000493 | 5.04 | 0.0321 | 3.69 | 0.00000493 | 0.00243 | 0.000251 | 0.00493 | 0.00858 | 0.00000986 | 3.99 | 0.00000266 | 0.0000493 | 0.00007 | 0.000253 | 0.00666 |
| 2062 Aug | 25.5 | 0.00828 | 0.00369 | 0.000499 | 5.06 | 0.0322 | 3.69 | 0.00000499 | 0.00255 | 0.000253 | 0.00499 | 0.00858 | 0.00000999 | 4.01 | 0.00000268 | 0.0000499 | 0.0000705 | 0.000256 | 0.00702 |
| 2062 Sep | 24.9 | 0.00808 | 0.00357 | 0.000496 | 4.92 | 0.0315 | 3.6 | 0.00000496 | 0.00266 | 0.000248 | 0.00496 | 0.00831 | 0.00000993 | 3.91 | 0.00000265 | 0.0000496 | 0.0000683 | 0.000254 | 0.00741 |
| 2062 Oct | 24 | 0.00765 | 0.00346 | 0.000486 | 4.77 | 0.0306 | 3.48 | 0.00000486 | 0.0029 | 0.000241 | 0.00486 | 0.0079 | 0.00000973 | 3.78 | 0.00000285 | 0.0000486 | 0.000068 | 0.000257 | 0.00762 |
| 2062 Nov | 24 | 0.00757 | 0.00346 | 0.000486 | 4.78 | 0.0306 | 3.48 | 0.00000486 | 0.00294 | 0.000241 | 0.00486 | 0.00789 | 0.00000973 | 3.79 | 0.00000291 | 0.0000486 | 0.0000685 | 0.000259 | 0.00763 |
| 2062 Dec | 24 | 0.00757 | 0.00347 | 0.000487 | 4.78 | 0.0306 | 3.48 | 0.00000487 | 0.00294 | 0.000242 | 0.00487 | 0.00789 | 0.00000973 | 3.79 | 0.00000291 | 0.0000487 | 0.0000685 | 0.000259 | 0.00763 |
| 2063 Jan | 24 | 0.00757 | 0.00347 | 0.000487 | 4.77 | 0.0306 | 3.48 | 0.00000487 | 0.00294 | 0.000241 | 0.00487 | 0.00789 | 0.00000973 | 3.79 | 0.00000291 | 0.0000487 | 0.0000685 | 0.000259 | 0.00763 |
| 2063 Feb | 24 | 0.00757 | 0.00347 | 0.000487 | 4.77 | 0.0306 | 3.48 | 0.00000487 | 0.00294 | 0.000242 | 0.00487 | 0.00789 | 0.00000973 | 3.79 | 0.00000291 | 0.0000487 | 0.0000685 | 0.000259 | 0.00763 |
| 2063 Mar | 24 | 0.00757 | 0.00347 | 0.000487 | 4.78 | 0.0306 | 3.48 | 0.00000487 | 0.00294 | 0.000242 | 0.00487 | 0.00789 | 0.00000973 | 3.79 | 0.00000291 | 0.0000487 | 0.0000685 | 0.000259 | 0.00763 |
| 2063 Apr | 24 | 0.00758 | 0.00347 | 0.000487 | 4.78 | 0.0306 | 3.48 | 0.00000487 | 0.00294 | 0.000242 | 0.00487 | 0.00789 | 0.00000973 | 3.79 | 0.00000291 | 0.0000487 | 0.0000685 | 0.000259 | 0.00763 |
| 2063 May | 24.1 | 0.00763 | 0.00346 | 0.000489 | 4.78 | 0.0308 | 3.5 | 0.00000489 | 0.00294 | 0.000242 | 0.00489 | 0.00793 | 0.00000978 | 3.8 | 0.00000292 | 0.0000489 | 0.0000685 | 0.00026 | 0.00762 |
| 2063 Jun | 24.8 | 0.00822 | 0.00358 | 0.000481 | 4.89 | 0.0313 | 3.6 | 0.00000481 | 0.00244 | 0.000244 | 0.00481 | 0.00829 | 0.00000962 | 3.88 | 0.00000269 | 0.0000481 | 0.0000674 | 0.00025 | 0.00648 |
| 2063 Jul | 25.4 | 0.00842 | 0.0037 | 0.000485 | 5.03 | 0.0319 | 3.66 | 0.00000485 | 0.00239 | 0.000249 | 0.00485 | 0.00849 | 0.00000971 | 3.97 | 0.00000269 | 0.0000485 | 0.0000692 | 0.000251 | 0.00644 |
| 2063 Aug | 25.8 | 0.00849 | 0.00376 | 0.000497 | 5.12 | 0.0325 | 3.72 | 0.00000497 | 0.00249 | 0.000254 | 0.00497 | 0.00864 | 0.00000993 | 4.04 | 0.00000274 | 0.0000497 | 0.0000709 | 0.000257 | 0.00673 |
| 2063 Sep | 25.9 | 0.0085 | 0.00377 | 0.000501 | 5.14 | 0.0326 | 3.74 | 0.00000501 | 0.00254 | 0.000255 | 0.00501 | 0.00866 | 0.00001 | 4.05 | 0.00000276 | 0.0000501 | 0.0000711 | 0.000259 | 0.00689 |
| 2063 Oct | 25.9 | 0.00842 | 0.00377 | 0.000501 | 5.14 | 0.0326 | 3.74 | 0.00000501 | 0.0026 | 0.000255 | 0.00501 | 0.00863 | 0.00001 | 4.05 | 0.00000282 | 0.0000501 | 0.0000716 | 0.000261 | 0.00693 |
| 2063 Nov | 25.9 | 0.00842 | 0.00377 | 0.000502 | 5.15 | 0.0327 | 3.74 | 0.00000502 | 0.00261 | 0.000256 | 0.00502 | 0.00864 | 0.00001 | 4.06 | 0.00000283 | 0.0000502 | 0.0000717 | 0.000261 | 0.00694 |
| 2063 Dec | 25.9 | 0.00842 | 0.00377 | 0.000502 | 5.15 | 0.0327 | 3.74 | 0.00000502 | 0.00261 | 0.000256 | 0.00502 | 0.00864 | 0.00001 | 4.06 | 0.00000283 | 0.0000502 | 0.0000717 | 0.000261 | 0.00694 |
| 2064 Jan | 25.9 | 0.00842 | 0.00377 | 0.000502 | 5.15 | 0.0327 | 3.74 | 0.00000502 | 0.00261 | 0.000256 | 0.00502 | 0.00864 | 0.00001 | 4.06 | 0.00000283 | 0.0000502 | 0.0000717 | 0.000261 | 0.00694 |
| 2064 Feb | 25.9 | 0.00842 | 0.00377 | 0.000502 | 5.15 | 0.0327 | 3.74 | 0.00000502 | 0.00261 | 0.000256 | 0.00502 | 0.00864 | 0.00001 | 4.06 | 0.00000283 | 0.0000502 | 0.0000717 | 0.000261 | 0.00694 |
| 2064 Mar | 25.9 | 0.00842 | 0.00378 | 0.000502 | 5.15 | 0.0327 | 3.74 | 0.00000502 | 0.00261 | 0.000256 | 0.00502 | 0.00864 | 0.00001 | 4.06 | 0.00000283 | 0.0000502 | 0.0000717 | 0.000261 | 0.00695 |
| 2064 Apr | 25.9 | 0.00842 | 0.00378 | 0.000502 | 5.15 | 0.0327 | 3.74 | 0.00000502 | 0.00261 | 0.000256 | 0.00502 | 0.00865 | 0.00001 | 4.06 | 0.00000283 | 0.0000502 | 0.0000718 | 0.000262 | 0.00695 |
| 2064 May | 25.7 | 0.00841 | 0.00368 | 0.000501 | 5.03 | 0.0324 | 3.73 | 0.00000501 | 0.00258 | 0.000253 | 0.00501 | 0.00858 | 0.00001 | 4.01 | 0.0000028 | 0.0000501 | 0.0000701 | 0.00026 | 0.00679 |
| 2064 Jun | 25.2 | 0.00844 | 0.00345 | 0.000496 | 4.75 | 0.0318 | 3.69 | 0.00000496 | 0.00245 | 0.000245 | 0.00496 | 0.00844 | 0.00000992 | 3.91 | 0.0000027 | 0.0000496 | 0.0000657 | 0.000255 | 0.00628 |
| 2064 Jul | 25.7 | 0.00856 | 0.00353 | 0.000507 | 4.87 | 0.0325 | 3.76 | 0.00000507 | 0.00253 | 0.00025 | 0.00507 | 0.00862 | 0.0000101 | 3.99 | 0.00000275 | 0.0000507 | 0.0000678 | 0.00026 | 0.00652 |
| 2064 Aug | 25.7 | 0.00841 | 0.00353 | 0.000513 | 4.88 | 0.0325 | 3.76 | 0.00000513 | 0.00265 | 0.000252 | 0.00513 | 0.00863 | 0.0000103 | 4 | 0.00000277 | 0.0000513 | 0.0000691 | 0.000263 | 0.00691 |
| 2064 Sep | 25.3 | 0.00831 | 0.00345 | 0.000511 | 4.8 | 0.032 | 3.69 | 0.00000511 | 0.00273 | 0.000249 | 0.00511 | 0.00844 | 0.0000102 | 3.94 | 0.00000275 | 0.0000511 | 0.0000678 | 0.000262 | 0.00722 |
| 2064 Oct | 25.2 | 0.00835 | 0.00344 | 0.000511 | 4.78 | 0.0319 | 3.68 | 0.00000511 | 0.00275 | 0.000248 | 0.00511 | 0.00839 | 0.0000102 | 3.92 | 0.00000275 | 0.0000511 | 0.0000675 | 0.000262 | 0.00733 |
| 2064 Nov | 25.2 | 0.00836 | 0.00344 | 0.000512 | 4.79 | 0.0319 | 3.69 | 0.00000512 | 0.00276 | 0.000249 | 0.00512 | 0.0084 | 0.0000102 | 3.93 | 0.00000275 | 0.0000512 | 0.0000675 | 0.000262 | 0.00733 |
| 2064 Dec | 25.2 | 0.00836 | 0.00344 | 0.000512 | 4.79 | 0.0319 | 3.69 | 0.00000512 | 0.00276 | 0.000249 | 0.00512 | 0.0084 | 0.0000102 | 3.93 | 0.00000275 | 0.0000512 | 0.0000675 | 0.000262 | 0.00733 |
| 2065 Jan | 25.2 | 0.00836 | 0.00344 | 0.000512 | 4.79 | 0.0319 | 3.69 | 0.00000512 | 0.00276 | 0.000249 | 0.00512 | 0.0084 | 0.0000102 | 3.93 | 0.00000275 | 0.0000512 | 0.0000675 | 0.000262 | 0.00733 |
| 2065 Feb | 25.2 | 0.00836 | 0.00344 | 0.000512 | 4.79 | 0.0319 | 3.69 | 0.00000512 | 0.00276 | 0.000249 | 0.00512 | 0.0084 | 0.0000102 | 3.93 | 0.00000275 | 0.0000512 | 0.0000675 | 0.000262 | 0.00733 |
| 2065 Mar | 25.2 | 0.00836 | 0.00344 | 0.000512 | 4.79 | 0.0319 | 3.69 | 0.00000512 | 0.00276 | 0.000249 | 0.00512 | 0.0084 | 0.0000102 | 3.93 | 0.00000275 | 0.0000512 | 0.0000676 | 0.000262 | 0.00734 |
| 2065 Apr | 25.2 | 0.00837 | 0.00345 | 0.000512 | 4.79 | 0.032 | 3.69 | 0.00000512 | 0.00276 | 0.000249 | 0.00512 | 0.00841 | 0.0000102 | 3.94 | 0.00000276 | 0.0000512 | 0.0000677 | 0.000263 | 0.00735 |
| 2065 May | 25.3 | 0.00842 | 0.00342 | 0.000514 | 4.77 | 0.0321 | 3.71 | 0.00000514 | 0.00275 | 0.000249 | 0.00514 | 0.00843 | 0.0000103 | 3.94 | 0.00000276 | 0.0000514 | 0.0000672 | 0.000263 | 0.00728 |
| 2065 Jun | 25.5 | 0.00865 | 0.00352 | 0.000501 | 4.86 | 0.0321 | 3.72 | 0.00000501 | 0.00242 | 0.000248 | 0.00501 | 0.00856 | 0.00001 | 3.96 | 0.00000263 | 0.0000501 | 0.0000667 | 0.000255 | 0.00648 |
| 2065 Jul | 26.1 | 0.00885 | 0.00365 | 0.000509 | 5.02 | 0.0329 | 3.81 | 0.00000509 | 0.00243 | 0.000255 | 0.00509 | 0.00879 | 0.0000102 | 4.07 | 0.00000267 | 0.0000509 | 0.000069 | 0.000259 | 0.00658 |
| 2065 Aug | 26.4 | 0.00885 | 0.00369 | 0.000518 | 5.07 | 0.0333 | 3.84 | 0.00000518 | 0.00252 | 0.000258 | 0.00518 | 0.00888 | 0.0000104 | 4.11 | 0.00000271 | 0.0000518 | 0.0000703 | 0.000263 | 0.00686 |
| 2065 Sep | 26.1 | 0.00881 | 0.00365 | 0.000518 | 5.03 | 0.033 | 3.81 | 0.00000518 | 0.00258 | 0.000257 | 0.00518 | 0.00878 | 0.0000104 | 4.08 | 0.00000271 | 0.0000518 | 0.0000696 | 0.000263 | 0.00708 |
| 2065 Oct | 25.5 | 0.0084 | 0.00358 | 0.00051 | 4.93 | 0.0323 | 3.72 | 0.0000051 | 0.00278 | 0.000252 | 0.0051 | 0.00847 | 0.0000102 | 3.99 | 0.00000288 | 0.000051 | 0.0000697 | 0.000265 | 0.00725 |
| 2065 Nov | 25.5 | 0.00829 | 0.00358 | 0.000509 | 4.94 | 0.0323 | 3.71 | 0.00000509 | 0.00283 | 0.000252 | 0.00509 | 0.00844 | 0.0000102 | 3.98 | 0.00000294 | 0.0000509 | 0.0000703 | 0.000268 | 0.00726 |

**Appendix D15. Lake A43**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 25.5 | 0.00829 | 0.00358 | 0.000509 | 4.94 | 0.0323 | 3.71 | 0.00000509 | 0.00283 | 0.000252 | 0.00509 | 0.00844 | 0.0000102 | 3.98 | 0.00000294 | 0.0000509 | 0.0000703 | 0.000268 | 0.00726 |
| 2066 Jan | 25.5 | 0.00829 | 0.00358 | 0.000509 | 4.94 | 0.0323 | 3.71 | 0.00000509 | 0.00283 | 0.000252 | 0.00509 | 0.00844 | 0.0000102 | 3.98 | 0.00000294 | 0.0000509 | 0.0000703 | 0.000268 | 0.00726 |
| 2066 Feb | 25.5 | 0.00829 | 0.00358 | 0.000509 | 4.94 | 0.0323 | 3.71 | 0.00000509 | 0.00283 | 0.000252 | 0.00509 | 0.00844 | 0.0000102 | 3.98 | 0.00000294 | 0.0000509 | 0.0000703 | 0.000268 | 0.00726 |
| 2066 Mar | 25.5 | 0.00829 | 0.00359 | 0.000509 | 4.94 | 0.0323 | 3.72 | 0.00000509 | 0.00283 | 0.000252 | 0.00509 | 0.00844 | 0.0000102 | 3.98 | 0.00000295 | 0.0000509 | 0.0000703 | 0.000268 | 0.00727 |
| 2066 Apr | 25.5 | 0.00829 | 0.00359 | 0.000509 | 4.94 | 0.0324 | 3.72 | 0.00000509 | 0.00283 | 0.000252 | 0.00509 | 0.00845 | 0.0000102 | 3.98 | 0.00000295 | 0.0000509 | 0.0000704 | 0.000268 | 0.00727 |
| 2066 May | 25.5 | 0.00833 | 0.00357 | 0.000511 | 4.92 | 0.0324 | 3.73 | 0.00000511 | 0.00283 | 0.000252 | 0.00511 | 0.00846 | 0.0000102 | 3.99 | 0.00000295 | 0.0000511 | 0.0000701 | 0.000268 | 0.00724 |
| 2066 Jun | 25.1 | 0.00841 | 0.0034 | 0.000501 | 4.7 | 0.0318 | 3.69 | 0.00000501 | 0.00258 | 0.000245 | 0.00501 | 0.00838 | 0.00001 | 3.89 | 0.00000278 | 0.0000501 | 0.0000658 | 0.000259 | 0.0065 |
| 2066 Jul | 26 | 0.00869 | 0.00355 | 0.000518 | 4.9 | 0.033 | 3.82 | 0.00000518 | 0.00266 | 0.000254 | 0.00518 | 0.0087 | 0.0000104 | 4.04 | 0.00000286 | 0.0000518 | 0.0000689 | 0.000268 | 0.00679 |
| 2066 Aug | 26.1 | 0.00856 | 0.00355 | 0.000524 | 4.92 | 0.0331 | 3.82 | 0.00000524 | 0.00277 | 0.000256 | 0.00524 | 0.00871 | 0.0000105 | 4.06 | 0.00000288 | 0.0000524 | 0.0000695 | 0.000271 | 0.00711 |
| 2066 Sep | 25.9 | 0.00854 | 0.00352 | 0.000524 | 4.89 | 0.0328 | 3.79 | 0.00000524 | 0.00283 | 0.000255 | 0.00524 | 0.00861 | 0.0000105 | 4.03 | 0.00000288 | 0.0000524 | 0.0000688 | 0.00027 | 0.00734 |
| 2066 Oct | 25.4 | 0.00839 | 0.00346 | 0.00052 | 4.82 | 0.0323 | 3.73 | 0.0000052 | 0.00293 | 0.000251 | 0.0052 | 0.00841 | 0.0000104 | 3.97 | 0.00000294 | 0.000052 | 0.0000684 | 0.000271 | 0.00753 |
| 2066 Nov | 25.4 | 0.00824 | 0.00347 | 0.000518 | 4.83 | 0.0323 | 3.73 | 0.00000518 | 0.003 | 0.000251 | 0.00518 | 0.00837 | 0.0000104 | 3.96 | 0.00000302 | 0.0000518 | 0.0000692 | 0.000273 | 0.00754 |
| 2066 Dec | 25.4 | 0.00824 | 0.00347 | 0.000518 | 4.83 | 0.0323 | 3.73 | 0.00000518 | 0.003 | 0.000251 | 0.00518 | 0.00837 | 0.0000104 | 3.96 | 0.00000303 | 0.0000518 | 0.0000692 | 0.000273 | 0.00754 |
| 2067 Jan | 25.4 | 0.00824 | 0.00347 | 0.000518 | 4.83 | 0.0323 | 3.73 | 0.00000518 | 0.003 | 0.000251 | 0.00518 | 0.00837 | 0.0000104 | 3.96 | 0.00000302 | 0.0000518 | 0.0000692 | 0.000273 | 0.00754 |
| 2067 Feb | 25.4 | 0.00824 | 0.00347 | 0.000519 | 4.83 | 0.0323 | 3.73 | 0.00000519 | 0.003 | 0.000251 | 0.00519 | 0.00837 | 0.0000104 | 3.96 | 0.00000303 | 0.0000519 | 0.0000692 | 0.000273 | 0.00754 |
| 2067 Mar | 25.4 | 0.00824 | 0.00347 | 0.000519 | 4.83 | 0.0323 | 3.73 | 0.00000519 | 0.003 | 0.000251 | 0.00519 | 0.00837 | 0.0000104 | 3.96 | 0.00000303 | 0.0000519 | 0.0000692 | 0.000273 | 0.00754 |
| 2067 Apr | 25.4 | 0.00825 | 0.00348 | 0.000519 | 4.83 | 0.0324 | 3.73 | 0.00000519 | 0.003 | 0.000252 | 0.00519 | 0.00838 | 0.0000104 | 3.96 | 0.00000303 | 0.0000519 | 0.0000693 | 0.000274 | 0.00755 |
| 2067 May | 25.5 | 0.00831 | 0.00344 | 0.000521 | 4.79 | 0.0324 | 3.74 | 0.00000521 | 0.00298 | 0.000251 | 0.00521 | 0.0084 | 0.0000104 | 3.96 | 0.00000301 | 0.0000521 | 0.0000685 | 0.000274 | 0.00744 |
| 2067 Jun | 25.1 | 0.00837 | 0.00331 | 0.000509 | 4.62 | 0.0318 | 3.7 | 0.00000509 | 0.00273 | 0.000245 | 0.00509 | 0.00833 | 0.0000102 | 3.88 | 0.00000285 | 0.0000509 | 0.0000651 | 0.000265 | 0.00676 |
| 2067 Jul | 25.7 | 0.00853 | 0.00342 | 0.000522 | 4.77 | 0.0327 | 3.79 | 0.00000522 | 0.00281 | 0.000252 | 0.00522 | 0.00856 | 0.0000104 | 3.99 | 0.00000291 | 0.0000522 | 0.0000677 | 0.000271 | 0.00704 |
| 2067 Aug | 25.1 | 0.00795 | 0.00334 | 0.000523 | 4.69 | 0.032 | 3.68 | 0.00000523 | 0.00303 | 0.000249 | 0.00523 | 0.00837 | 0.0000105 | 3.91 | 0.00000288 | 0.0000523 | 0.0000695 | 0.00027 | 0.00777 |
| 2067 Sep | 25.1 | 0.00791 | 0.00334 | 0.000525 | 4.69 | 0.0321 | 3.68 | 0.00000525 | 0.00308 | 0.000249 | 0.00525 | 0.00836 | 0.0000105 | 3.91 | 0.00000289 | 0.0000525 | 0.0000694 | 0.000271 | 0.00795 |
| 2067 Oct | 24.9 | 0.0078 | 0.00334 | 0.000523 | 4.68 | 0.0319 | 3.66 | 0.00000523 | 0.00314 | 0.000248 | 0.00523 | 0.00828 | 0.0000105 | 3.89 | 0.00000295 | 0.0000523 | 0.0000696 | 0.000272 | 0.00797 |
| 2067 Nov | 25 | 0.00778 | 0.00334 | 0.000523 | 4.69 | 0.0319 | 3.66 | 0.00000523 | 0.00315 | 0.000249 | 0.00523 | 0.00828 | 0.0000105 | 3.9 | 0.00000297 | 0.0000523 | 0.0000698 | 0.000273 | 0.00798 |
| 2067 Dec | 25 | 0.00778 | 0.00334 | 0.000523 | 4.69 | 0.0319 | 3.66 | 0.00000523 | 0.00315 | 0.000249 | 0.00523 | 0.00828 | 0.0000105 | 3.9 | 0.00000297 | 0.0000523 | 0.0000699 | 0.000273 | 0.00798 |
| 2068 Jan | 25 | 0.00778 | 0.00334 | 0.000523 | 4.69 | 0.0319 | 3.66 | 0.00000523 | 0.00315 | 0.000249 | 0.00523 | 0.00828 | 0.0000105 | 3.9 | 0.00000297 | 0.0000523 | 0.0000699 | 0.000273 | 0.00798 |
| 2068 Feb | 25 | 0.00778 | 0.00334 | 0.000523 | 4.69 | 0.0319 | 3.66 | 0.00000523 | 0.00315 | 0.000249 | 0.00523 | 0.00828 | 0.0000105 | 3.9 | 0.00000297 | 0.0000523 | 0.0000699 | 0.000273 | 0.00798 |
| 2068 Mar | 25 | 0.00779 | 0.00334 | 0.000523 | 4.69 | 0.032 | 3.67 | 0.00000523 | 0.00315 | 0.000249 | 0.00523 | 0.00828 | 0.0000105 | 3.9 | 0.00000297 | 0.0000523 | 0.0000699 | 0.000273 | 0.00798 |
| 2068 Apr | 25 | 0.0078 | 0.00335 | 0.000524 | 4.7 | 0.032 | 3.67 | 0.00000524 | 0.00316 | 0.000249 | 0.00524 | 0.0083 | 0.0000105 | 3.91 | 0.00000298 | 0.0000524 | 0.00007 | 0.000274 | 0.008 |
| 2068 May | 25 | 0.00787 | 0.00329 | 0.000523 | 4.63 | 0.0319 | 3.68 | 0.00000523 | 0.0031 | 0.000248 | 0.00523 | 0.00829 | 0.0000105 | 3.89 | 0.00000295 | 0.0000523 | 0.0000687 | 0.000273 | 0.00779 |
| 2068 Jun | 24.3 | 0.00799 | 0.00313 | 0.000501 | 4.4 | 0.0309 | 3.6 | 0.00000501 | 0.00269 | 0.000237 | 0.00501 | 0.00812 | 0.00001 | 3.75 | 0.00000272 | 0.0000501 | 0.0000632 | 0.000258 | 0.00668 |
| 2068 Jul | 25.1 | 0.00824 | 0.00326 | 0.000513 | 4.57 | 0.0318 | 3.7 | 0.00000513 | 0.00273 | 0.000244 | 0.00513 | 0.00838 | 0.0000103 | 3.87 | 0.00000278 | 0.0000513 | 0.0000656 | 0.000263 | 0.00683 |
| 2068 Aug | 25.5 | 0.0083 | 0.00332 | 0.000524 | 4.66 | 0.0324 | 3.76 | 0.00000524 | 0.00283 | 0.000249 | 0.00524 | 0.00852 | 0.0000105 | 3.94 | 0.00000284 | 0.0000524 | 0.0000669 | 0.000269 | 0.00713 |
| 2068 Sep | 25.3 | 0.00824 | 0.0033 | 0.000525 | 4.64 | 0.0322 | 3.74 | 0.00000525 | 0.00289 | 0.000249 | 0.00525 | 0.00845 | 0.0000105 | 3.93 | 0.00000283 | 0.0000525 | 0.0000664 | 0.000269 | 0.00735 |
| 2068 Oct | 25.4 | 0.00827 | 0.0033 | 0.000526 | 4.65 | 0.0323 | 3.74 | 0.00000526 | 0.00291 | 0.000249 | 0.00526 | 0.00845 | 0.0000105 | 3.93 | 0.00000284 | 0.0000526 | 0.0000665 | 0.00027 | 0.00741 |
| 2068 Nov | 25.4 | 0.00828 | 0.00331 | 0.000527 | 4.65 | 0.0323 | 3.75 | 0.00000527 | 0.00291 | 0.000249 | 0.00527 | 0.00846 | 0.0000105 | 3.94 | 0.00000284 | 0.0000527 | 0.0000666 | 0.00027 | 0.00742 |
| 2068 Dec | 25.4 | 0.00828 | 0.00331 | 0.000527 | 4.65 | 0.0323 | 3.75 | 0.00000527 | 0.00291 | 0.000249 | 0.00527 | 0.00846 | 0.0000105 | 3.94 | 0.00000284 | 0.0000527 | 0.0000666 | 0.00027 | 0.00742 |
| 2069 Jan | 25.4 | 0.00828 | 0.00331 | 0.000527 | 4.65 | 0.0323 | 3.75 | 0.00000527 | 0.00291 | 0.000249 | 0.00527 | 0.00846 | 0.0000105 | 3.94 | 0.00000284 | 0.0000527 | 0.0000666 | 0.00027 | 0.00742 |
| 2069 Feb | 25.4 | 0.00828 | 0.00331 | 0.000527 | 4.65 | 0.0323 | 3.75 | 0.00000527 | 0.00291 | 0.000249 | 0.00527 | 0.00846 | 0.0000105 | 3.94 | 0.00000284 | 0.0000527 | 0.0000666 | 0.00027 | 0.00742 |
| 2069 Mar | 25.4 | 0.00828 | 0.00331 | 0.000527 | 4.65 | 0.0323 | 3.75 | 0.00000527 | 0.00291 | 0.000249 | 0.00527 | 0.00846 | 0.0000105 | 3.94 | 0.00000284 | 0.0000527 | 0.0000666 | 0.00027 | 0.00742 |
| 2069 Apr | 25.4 | 0.00829 | 0.00331 | 0.000527 | 4.66 | 0.0323 | 3.75 | 0.00000527 | 0.00291 | 0.00025 | 0.00527 | 0.00847 | 0.0000105 | 3.94 | 0.00000284 | 0.0000527 | 0.0000666 | 0.00027 | 0.00742 |
| 2069 May | 25.6 | 0.00834 | 0.00332 | 0.000531 | 4.68 | 0.0325 | 3.77 | 0.00000531 | 0.00293 | 0.000251 | 0.00531 | 0.00852 | 0.0000106 | 3.96 | 0.00000286 | 0.0000531 | 0.000067 | 0.000272 | 0.00745 |
| 2069 Jun | 26.1 | 0.00867 | 0.00351 | 0.000523 | 4.88 | 0.033 | 3.83 | 0.00000523 | 0.00266 | 0.000255 | 0.00523 | 0.00875 | 0.0000105 | 4.05 | 0.00000278 | 0.0000523 | 0.0000681 | 0.000267 | 0.00693 |
| 2069 Jul | 26.9 | 0.00893 | 0.00365 | 0.000536 | 5.06 | 0.034 | 3.94 | 0.00000536 | 0.0027 | 0.000263 | 0.00536 | 0.00903 | 0.0000107 | 4.17 | 0.00000284 | 0.0000536 | 0.0000708 | 0.000273 | 0.0071 |
| 2069 Aug | 26.9 | 0.00875 | 0.00365 | 0.000542 | 5.07 | 0.034 | 3.93 | 0.00000542 | 0.00283 | 0.000264 | 0.00542 | 0.00901 | 0.0000108 | 4.18 | 0.00000286 | 0.0000542 | 0.000071 | 0.000276 | 0.00747 |
| 2069 Sep | 26.1 | 0.00839 | 0.00354 | 0.000536 | 4.95 | 0.0331 | 3.81 | 0.00000536 | 0.00293 | 0.000259 | 0.00536 | 0.00872 | 0.0000107 | 4.08 | 0.00000282 | 0.0000536 | 0.0000689 | 0.000272 | 0.00783 |
| 2069 Oct | 25.9 | 0.0084 | 0.00351 | 0.000535 | 4.92 | 0.0329 | 3.79 | 0.00000535 | 0.00295 | 0.000258 | 0.00535 | 0.00865 | 0.0000107 | 4.05 | 0.00000282 | 0.0000535 | 0.0000685 | 0.000272 | 0.00792 |
| 2069 Nov | 26 | 0.0084 | 0.00352 | 0.000535 | 4.93 | 0.033 | 3.8 | 0.00000535 | 0.00295 | 0.000258 | 0.00535 | 0.00865 | 0.0000107 | 4.06 | 0.00000282 | 0.0000535 | 0.0000686 | 0.000272 | 0.00792 |
| 2069 Dec | 26 | 0.0084 | 0.00352 | 0.000535 | 4.93 | 0.033 | 3.8 | 0.00000535 | 0.00295 | 0.000258 | 0.00535 | 0.00865 | 0.0000107 | 4.06 | 0.00000282 | 0.0000535 | 0.0000686 | 0.000272 | 0.00792 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000232 | 0.788 | 0.000464 | 1.21 | 0.000744 | 0.000024 | 0.743 | 0.000575 | 0.0013 | 0.0000439 | 0.0000484 | 0.000024 | 0.0182 | 0.00000464 | 0.0000142 | 0.000232 | 0.00145 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.0000025 | 0.849 | 0.0005 | 1.31 | 0.000837 | 0.0000258 | 0.801 | 0.000612 | 0.00146 | 0.0000608 | 0.0000516 | 0.0000259 | 0.0197 | 0.000005 | 0.0000153 | 0.00025 | 0.00155 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000261 | 0.918 | 0.000522 | 1.41 | 0.000891 | 0.000027 | 0.862 | 0.00067 | 0.00167 | 0.0000779 | 0.0000539 | 0.000027 | 0.0212 | 0.00000522 | 0.000016 | 0.000261 | 0.00162 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** |
| | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000251 | 0.852 | 0.000501 | 1.31 | 0.000715 | 0.0000255 | 0.806 | 0.00062 | 0.0014 | 0.000033 | 0.0000512 | 0.0000257 | 0.0196 | 0.00000501 | 0.0000152 | 0.000251 | 0.00154 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000261 | 0.903 | 0.000522 | 1.39 | 0.000864 | 0.0000269 | 0.85 | 0.00066 | 0.00157 | 0.0000694 | 0.0000542 | 0.0000268 | 0.0209 | 0.00000522 | 0.0000159 | 0.000261 | 0.00163 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.00000272 | 0.961 | 0.000544 | 1.47 | 0.000983 | 0.0000282 | 0.898 | 0.000705 | 0.00179 | 0.000122 | 0.0000568 | 0.0000279 | 0.0223 | 0.00000544 | 0.0000166 | 0.000272 | 0.0017 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** |
| | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000241 | 0.79 | 0.000481 | 1.22 | 0.000683 | 0.0000245 | 0.757 | 0.00058 | 0.00118 | 0.0000353 | 0.0000504 | 0.0000247 | 0.0181 | 0.00000481 | 0.0000146 | 0.000241 | 0.00151 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000256 | 0.883 | 0.000513 | 1.36 | 0.000823 | 0.0000264 | 0.833 | 0.000649 | 0.00151 | 0.0000682 | 0.0000533 | 0.0000264 | 0.0203 | 0.00000513 | 0.0000157 | 0.000256 | 0.0016 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.00000271 | 0.971 | 0.000542 | 1.49 | 0.000973 | 0.000028 | 0.907 | 0.000704 | 0.00183 | 0.000108 | 0.0000554 | 0.0000275 | 0.0226 | 0.00000542 | 0.0000167 | 0.000271 | 0.00166 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** |
| | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000232 | 0.788 | 0.000464 | 1.21 | 0.000783 | 0.000024 | 0.743 | 0.000575 | 0.00134 | 0.0000652 | 0.0000484 | 0.000024 | 0.0182 | 0.00000464 | 0.0000142 | 0.000232 | 0.00145 |
| 2024 Feb | 0.00000232 | 0.788 | 0.000464 | 1.21 | 0.000783 | 0.000024 | 0.743 | 0.000575 | 0.00134 | 0.0000652 | 0.0000484 | 0.000024 | 0.0182 | 0.00000464 | 0.0000142 | 0.000232 | 0.00145 |
| 2024 Mar | 0.00000232 | 0.788 | 0.000464 | 1.21 | 0.000783 | 0.000024 | 0.743 | 0.000575 | 0.00134 | 0.0000652 | 0.0000484 | 0.000024 | 0.0182 | 0.00000464 | 0.0000142 | 0.000232 | 0.00145 |
| 2024 Apr | 0.00000232 | 0.788 | 0.000465 | 1.21 | 0.000783 | 0.000024 | 0.744 | 0.000575 | 0.00134 | 0.0000652 | 0.0000484 | 0.000024 | 0.0182 | 0.00000465 | 0.0000142 | 0.000232 | 0.00145 |
| 2024 May | 0.00000234 | 0.79 | 0.000467 | 1.22 | 0.000778 | 0.0000241 | 0.747 | 0.000582 | 0.00133 | 0.0000637 | 0.0000486 | 0.0000241 | 0.0182 | 0.00000467 | 0.0000143 | 0.000234 | 0.00146 |
| 2024 Jun | 0.00000236 | 0.8 | 0.000473 | 1.24 | 0.000744 | 0.0000242 | 0.761 | 0.000602 | 0.00131 | 0.000057 | 0.0000488 | 0.0000243 | 0.0183 | 0.00000473 | 0.0000145 | 0.000236 | 0.00147 |
| 2024 Jul | 0.00000241 | 0.815 | 0.000482 | 1.26 | 0.000785 | 0.0000247 | 0.775 | 0.000615 | 0.00134 | 0.0000567 | 0.0000497 | 0.0000247 | 0.0186 | 0.00000482 | 0.0000148 | 0.000241 | 0.00149 |
| 2024 Aug | 0.00000245 | 0.82 | 0.000489 | 1.27 | 0.000833 | 0.0000252 | 0.78 | 0.000621 | 0.00135 | 0.0000565 | 0.0000504 | 0.0000251 | 0.0188 | 0.00000489 | 0.0000151 | 0.000245 | 0.00151 |
| 2024 Sep | 0.00000243 | 0.799 | 0.000486 | 1.23 | 0.000848 | 0.0000251 | 0.76 | 0.000589 | 0.00131 | 0.0000535 | 0.00005 | 0.0000253 | 0.0184 | 0.00000486 | 0.000015 | 0.000243 | 0.0015 |
| 2024 Oct | 0.00000244 | 0.798 | 0.000487 | 1.23 | 0.000853 | 0.0000251 | 0.759 | 0.000584 | 0.00131 | 0.0000545 | 0.0000501 | 0.0000254 | 0.0184 | 0.00000487 | 0.000015 | 0.000244 | 0.0015 |
| 2024 Nov | 0.00000244 | 0.799 | 0.000488 | 1.23 | 0.000854 | 0.0000252 | 0.76 | 0.000585 | 0.0013 | 0.0000605 | 0.0000505 | 0.0000255 | 0.0184 | 0.00000488 | 0.000015 | 0.000244 | 0.00151 |
| 2024 Dec | 0.00000244 | 0.799 | 0.000488 | 1.23 | 0.000854 | 0.0000252 | 0.76 | 0.000585 | 0.0013 | 0.0000605 | 0.0000505 | 0.0000255 | 0.0184 | 0.00000488 | 0.000015 | 0.000244 | 0.00151 |
| 2025 Jan | 0.00000244 | 0.799 | 0.000488 | 1.23 | 0.000854 | 0.0000252 | 0.76 | 0.000585 | 0.0013 | 0.0000605 | 0.0000505 | 0.0000255 | 0.0184 | 0.00000488 | 0.000015 | 0.000244 | 0.00151 |
| 2025 Feb | 0.00000244 | 0.799 | 0.000488 | 1.23 | 0.000854 | 0.0000252 | 0.76 | 0.000585 | 0.0013 | 0.0000605 | 0.0000505 | 0.0000255 | 0.0184 | 0.00000488 | 0.000015 | 0.000244 | 0.00151 |
| 2025 Mar | 0.00000244 | 0.799 | 0.000488 | 1.23 | 0.000854 | 0.0000252 | 0.76 | 0.000585 | 0.0013 | 0.0000605 | 0.0000505 | 0.0000255 | 0.0184 | 0.00000488 | 0.000015 | 0.000244 | 0.00151 |
| 2025 Apr | 0.00000244 | 0.799 | 0.000488 | 1.23 | 0.000855 | 0.0000252 | 0.76 | 0.000585 | 0.0013 | 0.0000605 | 0.0000505 | 0.0000255 | 0.0184 | 0.00000488 | 0.000015 | 0.000244 | 0.00151 |
| 2025 May | 0.00000245 | 0.804 | 0.000491 | 1.24 | 0.00086 | 0.0000253 | 0.764 | 0.000588 | 0.00131 | 0.0000609 | 0.0000508 | 0.0000256 | 0.0185 | 0.00000491 | 0.0000151 | 0.000245 | 0.00152 |
| 2025 Jun | 0.00000246 | 0.842 | 0.000492 | 1.3 | 0.000791 | 0.0000252 | 0.796 | 0.000611 | 0.00144 | 0.0000548 | 0.0000506 | 0.0000255 | 0.0194 | 0.00000492 | 0.000015 | 0.000246 | 0.00152 |
| 2025 Jul | 0.00000252 | 0.883 | 0.000504 | 1.36 | 0.00078 | 0.0000258 | 0.832 | 0.00064 | 0.00156 | 0.0000519 | 0.0000516 | 0.000026 | 0.0204 | 0.00000504 | 0.0000153 | 0.000252 | 0.00155 |
| 2025 Aug | 0.00000256 | 0.89 | 0.000513 | 1.37 | 0.000831 | 0.0000264 | 0.839 | 0.000647 | 0.00157 | 0.0000519 | 0.0000525 | 0.0000264 | 0.0206 | 0.00000513 | 0.0000156 | 0.000256 | 0.00157 |
| 2025 Sep | 0.00000253 | 0.854 | 0.000505 | 1.31 | 0.000859 | 0.0000264 | 0.805 | 0.000606 | 0.00149 | 0.0000485 | 0.0000516 | 0.0000263 | 0.0199 | 0.00000505 | 0.0000155 | 0.000253 | 0.00155 |
| 2025 Oct | 0.00000252 | 0.847 | 0.000504 | 1.3 | 0.000865 | 0.0000262 | 0.797 | 0.000597 | 0.00146 | 0.0000728 | 0.0000526 | 0.0000264 | 0.0198 | 0.00000504 | 0.0000155 | 0.000252 | 0.00158 |
| 2025 Nov | 0.00000252 | 0.848 | 0.000505 | 1.3 | 0.000867 | 0.0000263 | 0.797 | 0.000598 | 0.00145 | 0.0000777 | 0.0000529 | 0.0000264 | 0.0198 | 0.00000505 | 0.0000155 | 0.000252 | 0.00159 |
| 2025 Dec | 0.00000252 | 0.848 | 0.000505 | 1.3 | 0.000867 | 0.0000263 | 0.797 | 0.000598 | 0.00145 | 0.0000777 | 0.0000529 | 0.0000264 | 0.0198 | 0.00000505 | 0.0000155 | 0.000252 | 0.00159 |
| 2026 Jan | 0.00000252 | 0.848 | 0.000505 | 1.3 | 0.000867 | 0.0000263 | 0.797 | 0.000598 | 0.00145 | 0.0000777 | 0.0000529 | 0.0000264 | 0.0198 | 0.00000505 | 0.0000155 | 0.000252 | 0.00159 |
| 2026 Feb | 0.00000252 | 0.848 | 0.000505 | 1.3 | 0.000867 | 0.0000263 | 0.797 | 0.000598 | 0.00145 | 0.0000777 | 0.0000529 | 0.0000264 | 0.0198 | 0.00000505 | 0.0000155 | 0.000252 | 0.00159 |
| 2026 Mar | 0.00000252 | 0.848 | 0.000505 | 1.3 | 0.000867 | 0.0000263 | 0.797 | 0.000598 | 0.00145 | 0.0000777 | 0.0000529 | 0.0000264 | 0.0198 | 0.00000505 | 0.0000155 | 0.000252 | 0.00159 |
| 2026 Apr | 0.00000253 | 0.849 | 0.000505 | 1.3 | 0.000868 | 0.0000263 | 0.798 | 0.000598 | 0.00146 | 0.0000778 | 0.000053 | 0.0000264 | 0.0198 | 0.00000505 | 0.0000155 | 0.000253 | 0.00159 |
| 2026 May | 0.00000254 | 0.852 | 0.000507 | 1.31 | 0.00087 | 0.0000264 | 0.801 | 0.000601 | 0.00146 | 0.0000779 | 0.0000532 | 0.0000265 | 0.0199 | 0.00000507 | 0.0000156 | 0.000254 | 0.0016 |
| 2026 Jun | 0.00000251 | 0.867 | 0.000503 | 1.33 | 0.000784 | 0.0000259 | 0.817 | 0.000623 | 0.00149 | 0.0000651 | 0.0000521 | 0.000026 | 0.02 | 0.00000503 | 0.0000153 | 0.000251 | 0.00156 |
| 2026 Jul | 0.00000255 | 0.882 | 0.00051 | 1.36 | 0.000815 | 0.0000263 | 0.831 | 0.000638 | 0.00153 | 0.0000638 | 0.0000528 | 0.0000264 | 0.0204 | 0.0000051 | 0.0000156 | 0.000255 | 0.00158 |
| 2026 Aug | 0.00000258 | 0.883 | 0.000516 | 1.36 | 0.000875 | 0.0000266 | 0.832 | 0.000643 | 0.00153 | 0.000063 | 0.0000533 | 0.0000266 | 0.0204 | 0.00000516 | 0.0000158 | 0.000258 | 0.0016 |
| 2026 Sep | 0.00000259 | 0.881 | 0.000518 | 1.36 | 0.000886 | 0.0000268 | 0.83 | 0.000639 | 0.00152 | 0.0000625 | 0.0000535 | 0.0000268 | 0.0204 | 0.00000518 | 0.0000159 | 0.000259 | 0.0016 |
| 2026 Oct | 0.00000259 | 0.882 | 0.000519 | 1.36 | 0.000889 | 0.0000269 | 0.831 | 0.000638 | 0.00153 | 0.0000625 | 0.0000536 | 0.0000269 | 0.0205 | 0.00000519 | 0.0000159 | 0.000259 | 0.00161 |
| 2026 Nov | 0.0000026 | 0.883 | 0.000519 | 1.36 | 0.00089 | 0.0000269 | 0.832 | 0.000638 | 0.00153 | 0.0000627 | 0.0000537 | 0.0000269 | 0.0205 | 0.00000519 | 0.0000159 | 0.00026 | 0.00161 |
| 2026 Dec | 0.0000026 | 0.883 | 0.000519 | 1.36 | 0.00089 | 0.0000269 | 0.832 | 0.000638 | 0.00153 | 0.0000627 | 0.0000537 | 0.0000269 | 0.0205 | 0.00000519 | 0.0000159 | 0.00026 | 0.00161 |
| 2027 Jan | 0.0000026 | 0.883 | 0.000519 | 1.36 | 0.00089 | 0.0000269 | 0.832 | 0.000638 | 0.00153 | 0.0000627 | 0.0000537 | 0.0000269 | 0.0205 | 0.00000519 | 0.0000159 | 0.00026 | 0.00161 |
| 2027 Feb | 0.0000026 | 0.883 | 0.000519 | 1.36 | 0.00089 | 0.0000269 | 0.832 | 0.000638 | 0.00153 | 0.0000627 | 0.0000537 | 0.0000269 | 0.0205 | 0.00000519 | 0.0000159 | 0.00026 | 0.00161 |
| 2027 Mar | 0.0000026 | 0.883 | 0.000519 | 1.36 | 0.00089 | 0.0000269 | 0.832 | 0.000638 | 0.00153 | 0.0000627 | 0.0000537 | 0.0000269 | 0.0205 | 0.00000519 | 0.0000159 | 0.00026 | 0.00161 |
| 2027 Apr | 0.0000026 | 0.884 | 0.00052 | 1.36 | 0.000891 | 0.0000269 | 0.833 | 0.000639 | 0.00153 | 0.0000628 | 0.0000537 | 0.0000269 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00161 |
| 2027 May | 0.00000261 | 0.887 | 0.000522 | 1.37 | 0.000891 | 0.000027 | 0.837 | 0.000643 | 0.00153 | 0.0000625 | 0.0000539 | 0.000027 | 0.0206 | 0.00000522 | 0.000016 | 0.000261 | 0.00162 |
| 2027 Jun | 0.00000252 | 0.898 | 0.000505 | 1.38 | 0.000752 | 0.0000259 | 0.845 | 0.000652 | 0.0016 | 0.0000501 | 0.0000516 | 0.0000258 | 0.0207 | 0.00000505 | 0.0000153 | 0.000252 | 0.00155 |
| 2027 Jul | 0.00000253 | 0.916 | 0.000506 | 1.41 | 0.000747 | 0.0000258 | 0.86 | 0.000666 | 0.00167 | 0.0000463 | 0.0000516 | 0.0000258 | 0.0212 | 0.00000506 | 0.0000153 | 0.000253 | 0.00155 |
| 2027 Aug | 0.00000256 | 0.918 | 0.000513 | 1.41 | 0.000802 | 0.0000263 | 0.862 | 0.00067 | 0.00167 | 0.0000461 | 0.0000522 | 0.0000262 | 0.0212 | 0.00000513 | 0.0000155 | 0.000256 | 0.00157 |
| 2027 Sep | 0.00000254 | 0.887 | 0.000508 | 1.36 | 0.000825 | 0.0000263 | 0.834 | 0.000633 | 0.0016 | 0.0000439 | 0.0000516 | 0.0000262 | 0.0206 | 0.00000508 | 0.0000155 | 0.000254 | 0.00155 |
| 2027 Oct | 0.00000252 | 0.866 | 0.000503 | 1.33 | 0.000833 | 0.000026 | 0.814 | 0.000607 | 0.00154 | 0.0000534 | 0.0000516 | 0.0000263 | 0.0202 | 0.00000503 | 0.0000153 | 0.000252 | 0.00155 |
| 2027 Nov | 0.00000252 | 0.867 | 0.000504 | 1.33 | 0.000834 | 0.000026 | 0.815 | 0.000608 | 0.00154 | 0.0000555 | 0.0000518 | 0.0000263 | 0.0202 | 0.00000504 | 0.0000153 | 0.000252 | 0.00155 |
| 2027 Dec | 0.00000252 | 0.867 | 0.000504 | 1.33 | 0.000834 | 0.000026 | 0.815 | 0.000608 | 0.00154 | 0.0000555 | 0.0000518 | 0.0000263 | 0.0202 | 0.00000504 | 0.0000153 | 0.000252 | 0.00155 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000252 | 0.867 | 0.000504 | 1.33 | 0.000834 | 0.000026 | 0.815 | 0.000608 | 0.00154 | 0.0000555 | 0.0000518 | 0.0000263 | 0.0202 | 0.00000504 | 0.0000153 | 0.000252 | 0.00155 |
| 2028 Feb | 0.00000252 | 0.867 | 0.000504 | 1.33 | 0.000834 | 0.000026 | 0.815 | 0.000608 | 0.00154 | 0.0000555 | 0.0000518 | 0.0000263 | 0.0202 | 0.00000504 | 0.0000153 | 0.000252 | 0.00155 |
| 2028 Mar | 0.00000252 | 0.867 | 0.000504 | 1.33 | 0.000834 | 0.000026 | 0.815 | 0.000608 | 0.00154 | 0.0000555 | 0.0000518 | 0.0000263 | 0.0202 | 0.00000504 | 0.0000153 | 0.000252 | 0.00155 |
| 2028 Apr | 0.00000252 | 0.867 | 0.000504 | 1.33 | 0.000834 | 0.000026 | 0.815 | 0.000608 | 0.00154 | 0.0000555 | 0.0000518 | 0.0000263 | 0.0202 | 0.00000504 | 0.0000154 | 0.000252 | 0.00155 |
| 2028 May | 0.00000253 | 0.87 | 0.000506 | 1.34 | 0.000837 | 0.0000261 | 0.818 | 0.00061 | 0.00155 | 0.0000557 | 0.000052 | 0.0000264 | 0.0203 | 0.00000506 | 0.0000154 | 0.000253 | 0.00156 |
| 2028 Jun | 0.0000025 | 0.9 | 0.000501 | 1.38 | 0.000744 | 0.0000257 | 0.843 | 0.000631 | 0.00166 | 0.0000483 | 0.0000511 | 0.0000259 | 0.021 | 0.00000501 | 0.0000151 | 0.00025 | 0.00153 |
| 2028 Jul | 0.00000253 | 0.92 | 0.000506 | 1.41 | 0.000746 | 0.0000259 | 0.86 | 0.000648 | 0.00172 | 0.0000462 | 0.0000516 | 0.0000261 | 0.0214 | 0.00000506 | 0.0000152 | 0.000253 | 0.00155 |
| 2028 Aug | 0.00000258 | 0.928 | 0.000515 | 1.43 | 0.000787 | 0.0000265 | 0.868 | 0.000655 | 0.00173 | 0.0000464 | 0.0000525 | 0.0000265 | 0.0216 | 0.00000515 | 0.0000155 | 0.000258 | 0.00157 |
| 2028 Sep | 0.00000258 | 0.921 | 0.000516 | 1.41 | 0.000801 | 0.0000266 | 0.862 | 0.000645 | 0.00171 | 0.0000458 | 0.0000525 | 0.0000267 | 0.0215 | 0.00000516 | 0.0000156 | 0.000258 | 0.00158 |
| 2028 Oct | 0.00000256 | 0.9 | 0.000511 | 1.38 | 0.000809 | 0.0000263 | 0.842 | 0.00062 | 0.00165 | 0.0000559 | 0.0000525 | 0.0000268 | 0.0211 | 0.00000511 | 0.0000155 | 0.000256 | 0.00158 |
| 2028 Nov | 0.00000256 | 0.9 | 0.000511 | 1.38 | 0.000811 | 0.0000263 | 0.842 | 0.000621 | 0.00164 | 0.0000643 | 0.000053 | 0.0000268 | 0.0211 | 0.00000511 | 0.0000155 | 0.000256 | 0.00159 |
| 2028 Dec | 0.00000256 | 0.9 | 0.000512 | 1.38 | 0.000811 | 0.0000263 | 0.842 | 0.000621 | 0.00164 | 0.0000643 | 0.000053 | 0.0000268 | 0.0211 | 0.00000512 | 0.0000155 | 0.000256 | 0.00159 |
| 2029 Jan | 0.00000256 | 0.9 | 0.000512 | 1.38 | 0.000811 | 0.0000263 | 0.842 | 0.000621 | 0.00164 | 0.0000643 | 0.000053 | 0.0000268 | 0.0211 | 0.00000512 | 0.0000155 | 0.000256 | 0.00159 |
| 2029 Feb | 0.00000256 | 0.9 | 0.000512 | 1.38 | 0.000811 | 0.0000263 | 0.842 | 0.000621 | 0.00164 | 0.0000643 | 0.000053 | 0.0000268 | 0.0211 | 0.00000512 | 0.0000155 | 0.000256 | 0.00159 |
| 2029 Mar | 0.00000256 | 0.9 | 0.000512 | 1.38 | 0.000811 | 0.0000263 | 0.842 | 0.000621 | 0.00164 | 0.0000643 | 0.000053 | 0.0000268 | 0.0211 | 0.00000512 | 0.0000155 | 0.000256 | 0.00159 |
| 2029 Apr | 0.00000256 | 0.9 | 0.000512 | 1.38 | 0.000812 | 0.0000263 | 0.842 | 0.000621 | 0.00164 | 0.0000643 | 0.000053 | 0.0000268 | 0.0211 | 0.00000512 | 0.0000155 | 0.000256 | 0.00159 |
| 2029 May | 0.00000257 | 0.902 | 0.000513 | 1.39 | 0.000814 | 0.0000264 | 0.844 | 0.000623 | 0.00165 | 0.0000645 | 0.0000531 | 0.0000268 | 0.0212 | 0.00000513 | 0.0000155 | 0.000257 | 0.00159 |
| 2029 Jun | 0.00000255 | 0.917 | 0.000509 | 1.41 | 0.000759 | 0.0000261 | 0.857 | 0.000635 | 0.0017 | 0.0000585 | 0.0000525 | 0.0000265 | 0.0215 | 0.00000509 | 0.0000153 | 0.000255 | 0.00157 |
| 2029 Jul | 0.00000254 | 0.934 | 0.000509 | 1.44 | 0.000751 | 0.0000259 | 0.872 | 0.000656 | 0.00177 | 0.0000511 | 0.0000521 | 0.0000262 | 0.0218 | 0.00000509 | 0.0000152 | 0.000254 | 0.00156 |
| 2029 Aug | 0.00000258 | 0.93 | 0.000515 | 1.43 | 0.00084 | 0.0000264 | 0.868 | 0.000661 | 0.00175 | 0.0000503 | 0.0000527 | 0.0000265 | 0.0217 | 0.00000515 | 0.0000155 | 0.000258 | 0.00158 |
| 2029 Sep | 0.00000258 | 0.918 | 0.000516 | 1.41 | 0.000857 | 0.0000265 | 0.858 | 0.000644 | 0.00171 | 0.0000491 | 0.0000526 | 0.0000267 | 0.0215 | 0.00000516 | 0.0000156 | 0.000258 | 0.00158 |
| 2029 Oct | 0.00000258 | 0.915 | 0.000517 | 1.41 | 0.000862 | 0.0000266 | 0.855 | 0.000639 | 0.00171 | 0.0000498 | 0.0000528 | 0.0000269 | 0.0215 | 0.00000517 | 0.0000156 | 0.000258 | 0.00158 |
| 2029 Nov | 0.00000259 | 0.916 | 0.000517 | 1.41 | 0.000863 | 0.0000266 | 0.856 | 0.00064 | 0.00171 | 0.0000506 | 0.0000529 | 0.0000269 | 0.0215 | 0.00000517 | 0.0000156 | 0.000259 | 0.00159 |
| 2029 Dec | 0.00000259 | 0.916 | 0.000517 | 1.41 | 0.000863 | 0.0000266 | 0.856 | 0.00064 | 0.00171 | 0.0000506 | 0.0000529 | 0.0000269 | 0.0215 | 0.00000517 | 0.0000156 | 0.000259 | 0.00159 |
| 2030 Jan | 0.00000259 | 0.916 | 0.000517 | 1.41 | 0.000863 | 0.0000266 | 0.856 | 0.00064 | 0.00171 | 0.0000506 | 0.0000529 | 0.0000269 | 0.0215 | 0.00000517 | 0.0000156 | 0.000259 | 0.00159 |
| 2030 Feb | 0.00000259 | 0.916 | 0.000517 | 1.41 | 0.000863 | 0.0000266 | 0.856 | 0.00064 | 0.00171 | 0.0000506 | 0.0000529 | 0.0000269 | 0.0215 | 0.00000517 | 0.0000156 | 0.000259 | 0.00159 |
| 2030 Mar | 0.00000259 | 0.916 | 0.000517 | 1.41 | 0.000863 | 0.0000266 | 0.856 | 0.00064 | 0.00171 | 0.0000506 | 0.0000529 | 0.0000269 | 0.0215 | 0.00000517 | 0.0000156 | 0.000259 | 0.00159 |
| 2030 Apr | 0.00000259 | 0.916 | 0.000517 | 1.41 | 0.000863 | 0.0000266 | 0.857 | 0.00064 | 0.00171 | 0.0000506 | 0.0000529 | 0.0000269 | 0.0215 | 0.00000517 | 0.0000157 | 0.000259 | 0.00159 |
| 2030 May | 0.0000026 | 0.92 | 0.000519 | 1.41 | 0.000867 | 0.0000267 | 0.86 | 0.000643 | 0.00171 | 0.0000508 | 0.0000531 | 0.000027 | 0.0216 | 0.00000519 | 0.0000157 | 0.00026 | 0.00159 |
| 2030 Jun | 0.00000257 | 0.935 | 0.000514 | 1.44 | 0.000786 | 0.0000263 | 0.873 | 0.000656 | 0.00176 | 0.0000456 | 0.0000523 | 0.0000265 | 0.0218 | 0.00000514 | 0.0000154 | 0.000257 | 0.00157 |
| 2030 Jul | 0.00000258 | 0.939 | 0.000515 | 1.44 | 0.000815 | 0.0000263 | 0.877 | 0.000667 | 0.00178 | 0.0000433 | 0.0000523 | 0.0000265 | 0.0219 | 0.00000515 | 0.0000155 | 0.000258 | 0.00157 |
| 2030 Aug | 0.0000026 | 0.93 | 0.000519 | 1.43 | 0.000908 | 0.0000266 | 0.869 | 0.000669 | 0.00175 | 0.0000426 | 0.0000527 | 0.0000267 | 0.0217 | 0.00000519 | 0.0000157 | 0.00026 | 0.00158 |
| 2030 Sep | 0.00000261 | 0.927 | 0.000522 | 1.43 | 0.000923 | 0.0000269 | 0.867 | 0.000665 | 0.00174 | 0.0000424 | 0.0000529 | 0.0000268 | 0.0217 | 0.00000522 | 0.0000158 | 0.000261 | 0.00159 |
| 2030 Oct | 0.00000259 | 0.919 | 0.000519 | 1.41 | 0.000921 | 0.0000267 | 0.857 | 0.000659 | 0.0017 | 0.0000669 | 0.0000538 | 0.0000267 | 0.0215 | 0.00000519 | 0.0000157 | 0.000259 | 0.00161 |
| 2030 Nov | 0.00000258 | 0.914 | 0.000516 | 1.4 | 0.000919 | 0.0000266 | 0.851 | 0.000656 | 0.00168 | 0.0000861 | 0.0000544 | 0.0000265 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00163 |
| 2030 Dec | 0.00000258 | 0.914 | 0.000516 | 1.4 | 0.000919 | 0.0000266 | 0.851 | 0.000656 | 0.00168 | 0.0000861 | 0.0000544 | 0.0000265 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00163 |
| 2031 Jan | 0.00000258 | 0.914 | 0.000516 | 1.4 | 0.000919 | 0.0000266 | 0.851 | 0.000656 | 0.00168 | 0.0000861 | 0.0000544 | 0.0000265 | 0.0214 | 0.00000516 | 0.0000157 | 0.000258 | 0.00163 |
| 2031 Feb | 0.00000258 | 0.914 | 0.000516 | 1.4 | 0.000919 | 0.0000266 | 0.851 | 0.000656 | 0.00168 | 0.0000861 | 0.0000544 | 0.0000265 | 0.0214 | 0.00000516 | 0.0000157 | 0.000258 | 0.00163 |
| 2031 Mar | 0.00000258 | 0.914 | 0.000516 | 1.4 | 0.000919 | 0.0000266 | 0.851 | 0.000656 | 0.00168 | 0.0000861 | 0.0000544 | 0.0000265 | 0.0214 | 0.00000516 | 0.0000157 | 0.000258 | 0.00163 |
| 2031 Apr | 0.00000259 | 0.915 | 0.000517 | 1.41 | 0.000921 | 0.0000266 | 0.852 | 0.000657 | 0.00168 | 0.0000862 | 0.0000545 | 0.0000266 | 0.0215 | 0.00000517 | 0.0000157 | 0.000259 | 0.00164 |
| 2031 May | 0.0000026 | 0.919 | 0.00052 | 1.41 | 0.000919 | 0.0000267 | 0.856 | 0.000662 | 0.00168 | 0.0000854 | 0.0000548 | 0.0000267 | 0.0215 | 0.0000052 | 0.0000158 | 0.00026 | 0.00164 |
| 2031 Jun | 0.00000257 | 0.907 | 0.000515 | 1.4 | 0.000842 | 0.0000263 | 0.852 | 0.000669 | 0.0016 | 0.0000723 | 0.0000536 | 0.0000263 | 0.021 | 0.00000515 | 0.0000156 | 0.000257 | 0.00161 |
| 2031 Jul | 0.00000264 | 0.933 | 0.000528 | 1.44 | 0.000861 | 0.000027 | 0.877 | 0.000689 | 0.00166 | 0.0000727 | 0.000055 | 0.000027 | 0.0216 | 0.00000528 | 0.000016 | 0.000264 | 0.00165 |
| 2031 Aug | 0.00000267 | 0.938 | 0.000535 | 1.44 | 0.000896 | 0.0000275 | 0.88 | 0.000691 | 0.00166 | 0.0000723 | 0.0000556 | 0.0000273 | 0.0217 | 0.00000535 | 0.0000163 | 0.000267 | 0.00167 |
| 2031 Sep | 0.00000264 | 0.906 | 0.000528 | 1.39 | 0.000918 | 0.0000276 | 0.851 | 0.000658 | 0.00159 | 0.0000678 | 0.0000547 | 0.0000271 | 0.0211 | 0.00000528 | 0.0000162 | 0.000264 | 0.00164 |
| 2031 Oct | 0.00000262 | 0.897 | 0.000524 | 1.38 | 0.000918 | 0.0000273 | 0.839 | 0.000648 | 0.00155 | 0.0000967 | 0.0000557 | 0.000027 | 0.0209 | 0.00000524 | 0.0000161 | 0.000262 | 0.00167 |
| 2031 Nov | 0.00000262 | 0.896 | 0.000524 | 1.38 | 0.000919 | 0.0000273 | 0.838 | 0.000648 | 0.00155 | 0.000103 | 0.000056 | 0.0000269 | 0.0209 | 0.00000524 | 0.0000161 | 0.000262 | 0.00168 |
| 2031 Dec | 0.00000262 | 0.896 | 0.000524 | 1.38 | 0.000919 | 0.0000273 | 0.838 | 0.000648 | 0.00155 | 0.000103 | 0.000056 | 0.0000269 | 0.0209 | 0.00000524 | 0.0000161 | 0.000262 | 0.00168 |
| 2032 Jan | 0.00000262 | 0.896 | 0.000524 | 1.38 | 0.000919 | 0.0000273 | 0.838 | 0.000648 | 0.00155 | 0.000103 | 0.000056 | 0.0000269 | 0.0209 | 0.00000524 | 0.0000161 | 0.000262 | 0.00168 |
| 2032 Feb | 0.00000262 | 0.896 | 0.000524 | 1.38 | 0.000919 | 0.0000273 | 0.838 | 0.000648 | 0.00155 | 0.000103 | 0.000056 | 0.0000269 | 0.0209 | 0.00000524 | 0.0000161 | 0.000262 | 0.00168 |
| 2032 Mar | 0.00000262 | 0.896 | 0.000524 | 1.38 | 0.000919 | 0.0000273 | 0.838 | 0.000648 | 0.00155 | 0.000103 | 0.000056 | 0.0000269 | 0.0209 | 0.00000524 | 0.0000161 | 0.000262 | 0.00168 |
| 2032 Apr | 0.00000262 | 0.896 | 0.000524 | 1.38 | 0.000919 | 0.0000273 | 0.839 | 0.000649 | 0.00155 | 0.000103 | 0.000056 | 0.0000269 | 0.0209 | 0.00000524 | 0.0000161 | 0.000262 | 0.00168 |
| 2032 May | 0.00000263 | 0.9 | 0.000526 | 1.38 | 0.000923 | 0.0000274 | 0.842 | 0.000651 | 0.00155 | 0.000104 | 0.0000562 | 0.0000271 | 0.021 | 0.00000526 | 0.0000162 | 0.000263 | 0.00169 |
| 2032 Jun | 0.00000258 | 0.921 | 0.000517 | 1.41 | 0.000815 | 0.0000267 | 0.86 | 0.000662 | 0.00166 | 0.0000857 | 0.0000544 | 0.0000264 | 0.0214 | 0.00000517 | 0.0000157 | 0.000258 | 0.00163 |
| 2032 Jul | 0.00000256 | 0.924 | 0.000512 | 1.42 | 0.000809 | 0.0000263 | 0.862 | 0.000668 | 0.00169 | 0.0000755 | 0.0000535 | 0.0000261 | 0.0215 | 0.00000512 | 0.0000155 | 0.000256 | 0.0016 |
| 2032 Aug | 0.00000258 | 0.921 | 0.000517 | 1.41 | 0.000866 | 0.0000267 | 0.86 | 0.00067 | 0.00168 | 0.0000741 | 0.0000539 | 0.0000263 | 0.0215 | 0.00000517 | 0.0000157 | 0.000258 | 0.00162 |
| 2032 Sep | 0.00000259 | 0.918 | 0.000519 | 1.41 | 0.000883 | 0.000027 | 0.857 | 0.000665 | 0.00167 | 0.0000731 | 0.0000541 | 0.0000264 | 0.0214 | 0.00000519 | 0.0000158 | 0.000259 | 0.00162 |
| 2032 Oct | 0.0000026 | 0.918 | 0.000519 | 1.41 | 0.000886 | 0.000027 | 0.856 | 0.000664 | 0.00166 | 0.000081 | 0.0000545 | 0.0000265 | 0.0214 | 0.00000519 | 0.0000158 | 0.00026 | 0.00163 |
| 2032 Nov | 0.0000026 | 0.918 | 0.00052 | 1.41 | 0.000887 | 0.000027 | 0.856 | 0.000664 | 0.00166 | 0.0000835 | 0.0000546 | 0.0000265 | 0.0214 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2032 Dec | 0.0000026 | 0.918 | 0.00052 | 1.41 | 0.000887 | 0.000027 | 0.856 | 0.000664 | 0.00166 | 0.0000835 | 0.0000546 | 0.0000265 | 0.0214 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2033 Jan | 0.0000026 | 0.918 | 0.00052 | 1.41 | 0.000887 | 0.000027 | 0.856 | 0.000664 | 0.00166 | 0.0000835 | 0.0000546 | 0.0000265 | 0.0214 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2033 Feb | 0.0000026 | 0.918 | 0.00052 | 1.41 | 0.000887 | 0.000027 | 0.856 | 0.000664 | 0.00166 | 0.0000835 | 0.0000546 | 0.0000265 | 0.0214 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2033 Mar | 0.0000026 | 0.918 | 0.00052 | 1.41 | 0.000887 | 0.000027 | 0.856 | 0.000664 | 0.00166 | 0.0000835 | 0.0000546 | 0.0000265 | 0.0214 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2033 Apr | 0.0000026 | 0.919 | 0.00052 | 1.41 | 0.000888 | 0.000027 | 0.857 | 0.000665 | 0.00166 | 0.0000836 | 0.0000547 | 0.0000265 | 0.0215 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2033 May | 0.0000026 | 0.913 | 0.000521 | 1.4 | 0.000869 | 0.000027 | 0.855 | 0.00067 | 0.00161 | 0.000079 | 0.0000545 | 0.0000265 | 0.0212 | 0.00000521 | 0.0000159 | 0.00026 | 0.00164 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 0.00000254 | 0.885 | 0.000508 | 1.36 | 0.000784 | 0.0000261 | 0.837 | 0.000667 | 0.0015 | 0.0000643 | 0.0000526 | 0.0000258 | 0.0202 | 0.00000508 | 0.0000155 | 0.000254 | 0.00158 |
| 2033 Jul | 0.00000258 | 0.896 | 0.000516 | 1.38 | 0.000822 | 0.0000265 | 0.848 | 0.000679 | 0.00152 | 0.0000636 | 0.0000533 | 0.0000261 | 0.0205 | 0.00000516 | 0.0000158 | 0.000258 | 0.0016 |
| 2033 Aug | 0.00000262 | 0.904 | 0.000524 | 1.39 | 0.00088 | 0.0000269 | 0.855 | 0.000689 | 0.00153 | 0.0000636 | 0.0000542 | 0.0000266 | 0.0207 | 0.00000524 | 0.0000161 | 0.000262 | 0.00163 |
| 2033 Sep | 0.0000026 | 0.883 | 0.00052 | 1.36 | 0.000893 | 0.0000269 | 0.836 | 0.000661 | 0.00149 | 0.0000608 | 0.0000537 | 0.0000266 | 0.0203 | 0.0000052 | 0.000016 | 0.00026 | 0.00161 |
| 2033 Oct | 0.00000258 | 0.875 | 0.000517 | 1.35 | 0.000895 | 0.0000266 | 0.824 | 0.000652 | 0.00145 | 0.000105 | 0.0000553 | 0.0000265 | 0.0202 | 0.00000517 | 0.0000159 | 0.000258 | 0.00166 |
| 2033 Nov | 0.00000258 | 0.873 | 0.000516 | 1.34 | 0.000895 | 0.0000266 | 0.82 | 0.000652 | 0.00144 | 0.000122 | 0.000056 | 0.0000264 | 0.0202 | 0.00000516 | 0.0000159 | 0.000258 | 0.00168 |
| 2033 Dec | 0.00000258 | 0.873 | 0.000516 | 1.34 | 0.000895 | 0.0000266 | 0.82 | 0.000651 | 0.00144 | 0.000122 | 0.000056 | 0.0000264 | 0.0202 | 0.00000516 | 0.0000159 | 0.000258 | 0.00168 |
| 2034 Jan | 0.00000258 | 0.873 | 0.000516 | 1.34 | 0.000895 | 0.0000266 | 0.82 | 0.000651 | 0.00144 | 0.000122 | 0.000056 | 0.0000264 | 0.0202 | 0.00000516 | 0.0000159 | 0.000258 | 0.00168 |
| 2034 Feb | 0.00000258 | 0.873 | 0.000516 | 1.34 | 0.000895 | 0.0000266 | 0.82 | 0.000651 | 0.00144 | 0.000122 | 0.000056 | 0.0000264 | 0.0202 | 0.00000516 | 0.0000159 | 0.000258 | 0.00168 |
| 2034 Mar | 0.00000258 | 0.873 | 0.000516 | 1.34 | 0.000895 | 0.0000266 | 0.82 | 0.000651 | 0.00144 | 0.000122 | 0.000056 | 0.0000264 | 0.0202 | 0.00000516 | 0.0000159 | 0.000258 | 0.00168 |
| 2034 Apr | 0.00000258 | 0.874 | 0.000516 | 1.35 | 0.000896 | 0.0000266 | 0.821 | 0.000652 | 0.00144 | 0.000122 | 0.0000561 | 0.0000264 | 0.0202 | 0.00000516 | 0.0000159 | 0.000258 | 0.00168 |
| 2034 May | 0.00000259 | 0.877 | 0.000519 | 1.35 | 0.000895 | 0.0000267 | 0.825 | 0.000657 | 0.00144 | 0.000121 | 0.0000563 | 0.0000266 | 0.0203 | 0.00000519 | 0.000016 | 0.000259 | 0.00169 |
| 2034 Jun | 0.00000255 | 0.871 | 0.00051 | 1.34 | 0.000803 | 0.0000261 | 0.825 | 0.000663 | 0.00141 | 0.0000952 | 0.0000542 | 0.000026 | 0.0199 | 0.0000051 | 0.0000156 | 0.000255 | 0.00163 |
| 2034 Jul | 0.00000259 | 0.889 | 0.000519 | 1.37 | 0.000821 | 0.0000265 | 0.842 | 0.000677 | 0.00145 | 0.0000939 | 0.000055 | 0.0000264 | 0.0203 | 0.00000519 | 0.0000159 | 0.000259 | 0.00165 |
| 2034 Aug | 0.00000265 | 0.906 | 0.00053 | 1.4 | 0.000854 | 0.0000271 | 0.858 | 0.000691 | 0.00148 | 0.0000952 | 0.0000562 | 0.000027 | 0.0207 | 0.0000053 | 0.0000163 | 0.000265 | 0.00169 |
| 2034 Sep | 0.00000265 | 0.898 | 0.00053 | 1.38 | 0.000863 | 0.0000271 | 0.85 | 0.000677 | 0.00146 | 0.0000929 | 0.0000561 | 0.0000271 | 0.0206 | 0.0000053 | 0.0000163 | 0.000265 | 0.00168 |
| 2034 Oct | 0.00000262 | 0.883 | 0.000525 | 1.36 | 0.000865 | 0.0000269 | 0.835 | 0.000659 | 0.00143 | 0.000105 | 0.0000562 | 0.000027 | 0.0203 | 0.00000525 | 0.0000161 | 0.000262 | 0.00168 |
| 2034 Nov | 0.00000262 | 0.883 | 0.000525 | 1.36 | 0.000866 | 0.0000269 | 0.835 | 0.000659 | 0.00143 | 0.000109 | 0.0000564 | 0.000027 | 0.0203 | 0.00000525 | 0.0000161 | 0.000262 | 0.00169 |
| 2034 Dec | 0.00000262 | 0.883 | 0.000525 | 1.36 | 0.000866 | 0.0000269 | 0.835 | 0.000659 | 0.00143 | 0.000109 | 0.0000564 | 0.000027 | 0.0203 | 0.00000525 | 0.0000161 | 0.000262 | 0.00169 |
| 2035 Jan | 0.00000262 | 0.883 | 0.000525 | 1.36 | 0.000866 | 0.0000269 | 0.835 | 0.000659 | 0.00143 | 0.000109 | 0.0000564 | 0.000027 | 0.0203 | 0.00000525 | 0.0000161 | 0.000262 | 0.00169 |
| 2035 Feb | 0.00000262 | 0.883 | 0.000525 | 1.36 | 0.000866 | 0.0000269 | 0.835 | 0.000659 | 0.00143 | 0.000109 | 0.0000564 | 0.000027 | 0.0203 | 0.00000525 | 0.0000161 | 0.000262 | 0.00169 |
| 2035 Mar | 0.00000262 | 0.883 | 0.000525 | 1.36 | 0.000866 | 0.0000269 | 0.835 | 0.000659 | 0.00143 | 0.000109 | 0.0000564 | 0.000027 | 0.0203 | 0.00000525 | 0.0000161 | 0.000262 | 0.00169 |
| 2035 Apr | 0.00000263 | 0.884 | 0.000526 | 1.36 | 0.000868 | 0.0000269 | 0.836 | 0.00066 | 0.00143 | 0.00011 | 0.0000564 | 0.0000271 | 0.0204 | 0.00000526 | 0.0000161 | 0.000263 | 0.00169 |
| 2035 May | 0.00000265 | 0.89 | 0.000529 | 1.37 | 0.000873 | 0.0000271 | 0.842 | 0.000664 | 0.00144 | 0.00011 | 0.0000568 | 0.0000273 | 0.0205 | 0.00000529 | 0.0000162 | 0.000265 | 0.0017 |
| 2035 Jun | 0.00000258 | 0.901 | 0.000516 | 1.39 | 0.000767 | 0.0000262 | 0.85 | 0.00067 | 0.00152 | 0.000087 | 0.0000544 | 0.0000264 | 0.0207 | 0.00000516 | 0.0000157 | 0.000258 | 0.00163 |
| 2035 Jul | 0.00000262 | 0.924 | 0.000524 | 1.42 | 0.000771 | 0.0000266 | 0.871 | 0.000686 | 0.00158 | 0.0000838 | 0.000055 | 0.0000267 | 0.0212 | 0.00000524 | 0.0000159 | 0.000262 | 0.00165 |
| 2035 Aug | 0.00000266 | 0.931 | 0.000531 | 1.43 | 0.000807 | 0.0000272 | 0.878 | 0.000691 | 0.00159 | 0.0000836 | 0.0000558 | 0.0000271 | 0.0214 | 0.00000531 | 0.0000162 | 0.000266 | 0.00167 |
| 2035 Sep | 0.00000263 | 0.903 | 0.000526 | 1.39 | 0.00083 | 0.0000271 | 0.851 | 0.000656 | 0.00153 | 0.0000784 | 0.000055 | 0.0000271 | 0.0208 | 0.00000526 | 0.0000161 | 0.000263 | 0.00165 |
| 2035 Oct | 0.00000261 | 0.887 | 0.000521 | 1.37 | 0.000837 | 0.0000268 | 0.835 | 0.000638 | 0.00149 | 0.0000957 | 0.0000553 | 0.0000271 | 0.0206 | 0.00000521 | 0.0000159 | 0.000261 | 0.00166 |
| 2035 Nov | 0.0000026 | 0.885 | 0.00052 | 1.36 | 0.000838 | 0.0000267 | 0.832 | 0.000637 | 0.00148 | 0.000109 | 0.0000558 | 0.000027 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00168 |
| 2035 Dec | 0.0000026 | 0.885 | 0.00052 | 1.36 | 0.000838 | 0.0000267 | 0.832 | 0.000637 | 0.00148 | 0.000109 | 0.0000558 | 0.000027 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00168 |
| 2036 Jan | 0.0000026 | 0.885 | 0.00052 | 1.36 | 0.000838 | 0.0000267 | 0.832 | 0.000637 | 0.00148 | 0.000109 | 0.0000558 | 0.000027 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00168 |
| 2036 Feb | 0.0000026 | 0.885 | 0.00052 | 1.36 | 0.000838 | 0.0000267 | 0.832 | 0.000637 | 0.00148 | 0.000109 | 0.0000558 | 0.000027 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00168 |
| 2036 Mar | 0.0000026 | 0.884 | 0.00052 | 1.36 | 0.000838 | 0.0000267 | 0.832 | 0.000637 | 0.00148 | 0.000109 | 0.0000558 | 0.000027 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00168 |
| 2036 Apr | 0.0000026 | 0.886 | 0.000521 | 1.36 | 0.000839 | 0.0000268 | 0.833 | 0.000638 | 0.00148 | 0.00011 | 0.0000559 | 0.000027 | 0.0206 | 0.00000521 | 0.0000159 | 0.00026 | 0.00168 |
| 2036 May | 0.00000262 | 0.892 | 0.000524 | 1.37 | 0.000845 | 0.000027 | 0.839 | 0.000643 | 0.00149 | 0.00011 | 0.0000563 | 0.0000272 | 0.0207 | 0.00000524 | 0.000016 | 0.000262 | 0.00169 |
| 2036 Jun | 0.00000258 | 0.913 | 0.000517 | 1.4 | 0.000763 | 0.0000264 | 0.856 | 0.000656 | 0.00159 | 0.0000922 | 0.0000547 | 0.0000266 | 0.0212 | 0.00000517 | 0.0000157 | 0.000258 | 0.00164 |
| 2036 Jul | 0.00000259 | 0.927 | 0.000518 | 1.43 | 0.000763 | 0.0000264 | 0.869 | 0.000668 | 0.00165 | 0.0000839 | 0.0000545 | 0.0000266 | 0.0215 | 0.00000518 | 0.0000156 | 0.000259 | 0.00163 |
| 2036 Aug | 0.00000263 | 0.936 | 0.000526 | 1.44 | 0.000807 | 0.0000269 | 0.877 | 0.000677 | 0.00166 | 0.0000839 | 0.0000553 | 0.000027 | 0.0217 | 0.00000526 | 0.0000159 | 0.000263 | 0.00166 |
| 2036 Sep | 0.00000264 | 0.931 | 0.000527 | 1.43 | 0.000822 | 0.0000271 | 0.872 | 0.000669 | 0.00165 | 0.0000825 | 0.0000553 | 0.0000271 | 0.0216 | 0.00000527 | 0.000016 | 0.000264 | 0.00166 |
| 2036 Oct | 0.00000262 | 0.913 | 0.000523 | 1.4 | 0.00083 | 0.0000268 | 0.855 | 0.000648 | 0.0016 | 0.0000943 | 0.0000555 | 0.0000272 | 0.0213 | 0.00000523 | 0.0000159 | 0.000262 | 0.00166 |
| 2036 Nov | 0.00000262 | 0.913 | 0.000523 | 1.4 | 0.000831 | 0.0000268 | 0.855 | 0.000648 | 0.0016 | 0.0000983 | 0.0000557 | 0.0000272 | 0.0213 | 0.00000523 | 0.0000159 | 0.000262 | 0.00167 |
| 2036 Dec | 0.00000262 | 0.913 | 0.000523 | 1.4 | 0.000831 | 0.0000268 | 0.855 | 0.000648 | 0.0016 | 0.0000983 | 0.0000557 | 0.0000272 | 0.0213 | 0.00000523 | 0.0000159 | 0.000262 | 0.00167 |
| 2037 Jan | 0.00000262 | 0.913 | 0.000523 | 1.4 | 0.000831 | 0.0000268 | 0.855 | 0.000648 | 0.0016 | 0.0000983 | 0.0000557 | 0.0000272 | 0.0213 | 0.00000523 | 0.0000159 | 0.000262 | 0.00167 |
| 2037 Feb | 0.00000262 | 0.913 | 0.000523 | 1.4 | 0.000831 | 0.0000268 | 0.855 | 0.000648 | 0.0016 | 0.0000983 | 0.0000557 | 0.0000272 | 0.0213 | 0.00000523 | 0.0000159 | 0.000262 | 0.00167 |
| 2037 Mar | 0.00000262 | 0.913 | 0.000523 | 1.4 | 0.000831 | 0.0000268 | 0.855 | 0.000648 | 0.0016 | 0.0000983 | 0.0000557 | 0.0000272 | 0.0213 | 0.00000523 | 0.0000159 | 0.000262 | 0.00167 |
| 2037 Apr | 0.00000262 | 0.913 | 0.000524 | 1.4 | 0.000832 | 0.0000268 | 0.855 | 0.000648 | 0.0016 | 0.0000983 | 0.0000557 | 0.0000272 | 0.0213 | 0.00000524 | 0.0000159 | 0.000262 | 0.00167 |
| 2037 May | 0.00000261 | 0.906 | 0.000523 | 1.39 | 0.000816 | 0.0000267 | 0.852 | 0.000652 | 0.00155 | 0.0000928 | 0.0000554 | 0.0000271 | 0.021 | 0.00000523 | 0.0000159 | 0.000261 | 0.00166 |
| 2037 Jun | 0.00000251 | 0.871 | 0.000501 | 1.34 | 0.000715 | 0.0000255 | 0.826 | 0.00065 | 0.00145 | 0.000069 | 0.0000522 | 0.0000257 | 0.0199 | 0.00000501 | 0.0000152 | 0.000251 | 0.00157 |
| 2037 Jul | 0.00000253 | 0.883 | 0.000506 | 1.36 | 0.000739 | 0.0000257 | 0.837 | 0.00066 | 0.00148 | 0.000067 | 0.0000526 | 0.0000259 | 0.0202 | 0.00000506 | 0.0000154 | 0.000253 | 0.00158 |
| 2037 Aug | 0.00000257 | 0.892 | 0.000515 | 1.38 | 0.000782 | 0.0000262 | 0.845 | 0.000669 | 0.0015 | 0.0000671 | 0.0000534 | 0.0000263 | 0.0204 | 0.00000515 | 0.0000157 | 0.000257 | 0.0016 |
| 2037 Sep | 0.0000026 | 0.898 | 0.00052 | 1.38 | 0.000798 | 0.0000265 | 0.851 | 0.000671 | 0.00151 | 0.0000671 | 0.0000539 | 0.0000266 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00162 |
| 2037 Oct | 0.0000026 | 0.894 | 0.00052 | 1.38 | 0.000804 | 0.0000265 | 0.847 | 0.000666 | 0.00149 | 0.000077 | 0.0000544 | 0.0000267 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00163 |
| 2037 Nov | 0.0000026 | 0.895 | 0.00052 | 1.38 | 0.000806 | 0.0000265 | 0.846 | 0.000666 | 0.00149 | 0.0000831 | 0.0000546 | 0.0000267 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2037 Dec | 0.0000026 | 0.895 | 0.00052 | 1.38 | 0.000806 | 0.0000265 | 0.846 | 0.000666 | 0.00149 | 0.0000831 | 0.0000546 | 0.0000267 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2038 Jan | 0.0000026 | 0.895 | 0.00052 | 1.38 | 0.000806 | 0.0000265 | 0.846 | 0.000666 | 0.00149 | 0.0000831 | 0.0000546 | 0.0000267 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2038 Feb | 0.0000026 | 0.895 | 0.00052 | 1.38 | 0.000806 | 0.0000265 | 0.846 | 0.000666 | 0.00149 | 0.0000831 | 0.0000546 | 0.0000267 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2038 Mar | 0.0000026 | 0.894 | 0.00052 | 1.38 | 0.000806 | 0.0000265 | 0.846 | 0.000666 | 0.00149 | 0.0000831 | 0.0000546 | 0.0000267 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2038 Apr | 0.0000026 | 0.895 | 0.00052 | 1.38 | 0.000806 | 0.0000265 | 0.847 | 0.000666 | 0.00149 | 0.0000832 | 0.0000547 | 0.0000267 | 0.0205 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2038 May | 0.00000261 | 0.894 | 0.000521 | 1.38 | 0.000801 | 0.0000266 | 0.848 | 0.00067 | 0.00148 | 0.0000809 | 0.0000547 | 0.0000267 | 0.0205 | 0.00000521 | 0.0000159 | 0.000261 | 0.00164 |
| 2038 Jun | 0.00000255 | 0.873 | 0.00051 | 1.35 | 0.000737 | 0.0000259 | 0.833 | 0.000669 | 0.0014 | 0.0000661 | 0.0000529 | 0.000026 | 0.0197 | 0.0000051 | 0.0000156 | 0.000255 | 0.00159 |
| 2038 Jul | 0.00000263 | 0.901 | 0.000525 | 1.39 | 0.000764 | 0.0000266 | 0.859 | 0.00069 | 0.00145 | 0.0000669 | 0.0000544 | 0.0000267 | 0.0204 | 0.00000525 | 0.000016 | 0.000263 | 0.00163 |
| 2038 Aug | 0.00000268 | 0.914 | 0.000536 | 1.41 | 0.000804 | 0.0000273 | 0.871 | 0.000701 | 0.00147 | 0.0000674 | 0.0000555 | 0.0000273 | 0.0207 | 0.00000536 | 0.0000164 | 0.000268 | 0.00166 |
| 2038 Sep | 0.00000269 | 0.911 | 0.000537 | 1.41 | 0.000815 | 0.0000274 | 0.869 | 0.000693 | 0.00147 | 0.0000666 | 0.0000556 | 0.0000275 | 0.0207 | 0.00000537 | 0.0000165 | 0.000269 | 0.00167 |
| 2038 Oct | 0.00000267 | 0.898 | 0.000533 | 1.39 | 0.00082 | 0.0000272 | 0.856 | 0.000676 | 0.00144 | 0.0000724 | 0.0000554 | 0.0000274 | 0.0205 | 0.00000533 | 0.0000163 | 0.000267 | 0.00166 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 0.00000267 | 0.899 | 0.000534 | 1.39 | 0.000821 | 0.0000272 | 0.856 | 0.000676 | 0.00144 | 0.0000733 | 0.0000555 | 0.0000275 | 0.0205 | 0.00000534 | 0.0000163 | 0.000267 | 0.00167 |
| 2038 Dec | 0.00000267 | 0.899 | 0.000534 | 1.39 | 0.000821 | 0.0000272 | 0.856 | 0.000676 | 0.00144 | 0.0000733 | 0.0000555 | 0.0000275 | 0.0205 | 0.00000534 | 0.0000163 | 0.000267 | 0.00167 |
| 2039 Jan | 0.00000267 | 0.899 | 0.000534 | 1.39 | 0.000821 | 0.0000272 | 0.856 | 0.000676 | 0.00144 | 0.0000733 | 0.0000555 | 0.0000275 | 0.0205 | 0.00000534 | 0.0000163 | 0.000267 | 0.00167 |
| 2039 Feb | 0.00000267 | 0.899 | 0.000534 | 1.39 | 0.000821 | 0.0000272 | 0.856 | 0.000676 | 0.00144 | 0.0000733 | 0.0000555 | 0.0000275 | 0.0205 | 0.00000534 | 0.0000163 | 0.000267 | 0.00167 |
| 2039 Mar | 0.00000267 | 0.899 | 0.000534 | 1.39 | 0.000821 | 0.0000272 | 0.857 | 0.000677 | 0.00144 | 0.0000733 | 0.0000556 | 0.0000275 | 0.0205 | 0.00000534 | 0.0000164 | 0.000267 | 0.00167 |
| 2039 Apr | 0.00000267 | 0.9 | 0.000534 | 1.39 | 0.000821 | 0.0000272 | 0.857 | 0.000677 | 0.00144 | 0.0000734 | 0.0000556 | 0.0000275 | 0.0205 | 0.00000534 | 0.0000164 | 0.000267 | 0.00167 |
| 2039 May | 0.00000268 | 0.904 | 0.000537 | 1.4 | 0.000825 | 0.0000274 | 0.861 | 0.00068 | 0.00145 | 0.0000737 | 0.0000558 | 0.0000276 | 0.0206 | 0.00000537 | 0.0000164 | 0.000268 | 0.00168 |
| 2039 Jun | 0.00000262 | 0.925 | 0.000525 | 1.43 | 0.000738 | 0.0000266 | 0.875 | 0.000685 | 0.00158 | 0.0000625 | 0.0000541 | 0.0000268 | 0.0212 | 0.00000525 | 0.0000159 | 0.000262 | 0.00162 |
| 2039 Jul | 0.00000262 | 0.93 | 0.000523 | 1.43 | 0.000781 | 0.0000265 | 0.878 | 0.000693 | 0.00163 | 0.0000568 | 0.0000538 | 0.0000267 | 0.0213 | 0.00000523 | 0.0000158 | 0.000262 | 0.00161 |
| 2039 Aug | 0.00000266 | 0.933 | 0.000532 | 1.44 | 0.000865 | 0.000027 | 0.882 | 0.000702 | 0.00163 | 0.0000564 | 0.0000546 | 0.0000271 | 0.0214 | 0.00000532 | 0.0000162 | 0.000266 | 0.00164 |
| 2039 Sep | 0.00000267 | 0.932 | 0.000535 | 1.44 | 0.000879 | 0.0000272 | 0.881 | 0.000696 | 0.00162 | 0.000056 | 0.0000549 | 0.0000274 | 0.0214 | 0.00000535 | 0.0000163 | 0.000267 | 0.00165 |
| 2039 Oct | 0.00000267 | 0.928 | 0.000535 | 1.43 | 0.000881 | 0.0000272 | 0.877 | 0.000689 | 0.00161 | 0.0000557 | 0.0000548 | 0.0000275 | 0.0214 | 0.00000535 | 0.0000163 | 0.000267 | 0.00164 |
| 2039 Nov | 0.00000267 | 0.929 | 0.000535 | 1.43 | 0.000882 | 0.0000272 | 0.878 | 0.00069 | 0.00162 | 0.0000559 | 0.0000549 | 0.0000275 | 0.0214 | 0.00000535 | 0.0000163 | 0.000267 | 0.00165 |
| 2039 Dec | 0.00000268 | 0.929 | 0.000535 | 1.43 | 0.000882 | 0.0000272 | 0.878 | 0.00069 | 0.00162 | 0.0000559 | 0.0000549 | 0.0000275 | 0.0214 | 0.00000535 | 0.0000163 | 0.000268 | 0.00165 |
| 2040 Jan | 0.00000268 | 0.929 | 0.000535 | 1.43 | 0.000882 | 0.0000272 | 0.878 | 0.00069 | 0.00162 | 0.0000559 | 0.0000549 | 0.0000275 | 0.0214 | 0.00000535 | 0.0000163 | 0.000268 | 0.00165 |
| 2040 Feb | 0.00000268 | 0.929 | 0.000535 | 1.43 | 0.000882 | 0.0000272 | 0.878 | 0.00069 | 0.00162 | 0.0000559 | 0.0000549 | 0.0000275 | 0.0214 | 0.00000535 | 0.0000163 | 0.000268 | 0.00165 |
| 2040 Mar | 0.00000268 | 0.929 | 0.000535 | 1.43 | 0.000882 | 0.0000272 | 0.878 | 0.00069 | 0.00162 | 0.0000559 | 0.0000549 | 0.0000275 | 0.0214 | 0.00000535 | 0.0000163 | 0.000268 | 0.00165 |
| 2040 Apr | 0.00000268 | 0.929 | 0.000535 | 1.44 | 0.000883 | 0.0000272 | 0.879 | 0.00069 | 0.00162 | 0.0000559 | 0.0000549 | 0.0000275 | 0.0214 | 0.00000535 | 0.0000163 | 0.000268 | 0.00165 |
| 2040 May | 0.00000268 | 0.93 | 0.000537 | 1.44 | 0.000881 | 0.0000273 | 0.88 | 0.000693 | 0.00161 | 0.0000555 | 0.000055 | 0.0000276 | 0.0214 | 0.00000537 | 0.0000163 | 0.000268 | 0.00165 |
| 2040 Jun | 0.00000261 | 0.907 | 0.000521 | 1.4 | 0.000784 | 0.0000264 | 0.863 | 0.000689 | 0.00153 | 0.0000465 | 0.0000531 | 0.0000266 | 0.0206 | 0.00000521 | 0.0000158 | 0.000261 | 0.00159 |
| 2040 Jul | 0.00000264 | 0.92 | 0.000528 | 1.42 | 0.000806 | 0.0000267 | 0.875 | 0.000699 | 0.00156 | 0.000046 | 0.0000537 | 0.0000269 | 0.0209 | 0.00000528 | 0.000016 | 0.000264 | 0.00161 |
| 2040 Aug | 0.00000267 | 0.921 | 0.000533 | 1.42 | 0.00087 | 0.000027 | 0.876 | 0.000705 | 0.00156 | 0.0000458 | 0.0000542 | 0.0000271 | 0.021 | 0.00000533 | 0.0000163 | 0.000267 | 0.00163 |
| 2040 Sep | 0.00000266 | 0.907 | 0.000532 | 1.4 | 0.000892 | 0.0000273 | 0.862 | 0.000687 | 0.00153 | 0.0000448 | 0.000054 | 0.0000271 | 0.0207 | 0.00000532 | 0.0000163 | 0.000266 | 0.00162 |
| 2040 Oct | 0.00000267 | 0.911 | 0.000534 | 1.41 | 0.000896 | 0.0000274 | 0.865 | 0.000689 | 0.00154 | 0.0000451 | 0.0000543 | 0.0000273 | 0.0208 | 0.00000534 | 0.0000164 | 0.000267 | 0.00163 |
| 2040 Nov | 0.00000267 | 0.911 | 0.000535 | 1.41 | 0.000897 | 0.0000274 | 0.866 | 0.000689 | 0.00154 | 0.0000453 | 0.0000543 | 0.0000273 | 0.0208 | 0.00000535 | 0.0000164 | 0.000267 | 0.00163 |
| 2040 Dec | 0.00000267 | 0.911 | 0.000535 | 1.41 | 0.000897 | 0.0000274 | 0.866 | 0.000689 | 0.00154 | 0.0000453 | 0.0000543 | 0.0000273 | 0.0208 | 0.00000535 | 0.0000164 | 0.000267 | 0.00163 |
| 2041 Jan | 0.00000267 | 0.911 | 0.000535 | 1.41 | 0.000897 | 0.0000274 | 0.866 | 0.000689 | 0.00154 | 0.0000453 | 0.0000543 | 0.0000273 | 0.0208 | 0.00000535 | 0.0000164 | 0.000267 | 0.00163 |
| 2041 Feb | 0.00000267 | 0.911 | 0.000535 | 1.41 | 0.000897 | 0.0000274 | 0.866 | 0.000689 | 0.00154 | 0.0000452 | 0.0000543 | 0.0000273 | 0.0208 | 0.00000535 | 0.0000164 | 0.000267 | 0.00163 |
| 2041 Mar | 0.00000267 | 0.912 | 0.000535 | 1.41 | 0.000897 | 0.0000274 | 0.866 | 0.00069 | 0.00154 | 0.0000453 | 0.0000544 | 0.0000273 | 0.0208 | 0.00000535 | 0.0000164 | 0.000267 | 0.00163 |
| 2041 Apr | 0.00000268 | 0.912 | 0.000535 | 1.41 | 0.000897 | 0.0000275 | 0.866 | 0.00069 | 0.00154 | 0.0000453 | 0.0000544 | 0.0000273 | 0.0208 | 0.00000535 | 0.0000164 | 0.000268 | 0.00163 |
| 2041 May | 0.00000268 | 0.914 | 0.000537 | 1.41 | 0.000899 | 0.0000275 | 0.869 | 0.000692 | 0.00154 | 0.0000453 | 0.0000545 | 0.0000274 | 0.0209 | 0.00000537 | 0.0000165 | 0.000268 | 0.00164 |
| 2041 Jun | 0.00000265 | 0.929 | 0.000529 | 1.43 | 0.000826 | 0.0000271 | 0.88 | 0.000695 | 0.00162 | 0.0000419 | 0.0000537 | 0.000027 | 0.0213 | 0.00000529 | 0.0000161 | 0.000265 | 0.00161 |
| 2041 Jul | 0.00000263 | 0.938 | 0.000526 | 1.45 | 0.000823 | 0.0000268 | 0.885 | 0.000701 | 0.00168 | 0.0000391 | 0.0000532 | 0.0000267 | 0.0215 | 0.00000526 | 0.0000159 | 0.000263 | 0.0016 |
| 2041 Aug | 0.00000264 | 0.921 | 0.000528 | 1.42 | 0.000927 | 0.000027 | 0.87 | 0.000697 | 0.00164 | 0.0000384 | 0.0000533 | 0.0000267 | 0.0212 | 0.00000528 | 0.0000161 | 0.000264 | 0.0016 |
| 2041 Sep | 0.00000264 | 0.916 | 0.000529 | 1.41 | 0.000938 | 0.0000272 | 0.865 | 0.000687 | 0.00162 | 0.0000381 | 0.0000534 | 0.0000269 | 0.0211 | 0.00000529 | 0.0000162 | 0.000264 | 0.0016 |
| 2041 Oct | 0.00000262 | 0.901 | 0.000525 | 1.39 | 0.000938 | 0.000027 | 0.851 | 0.000667 | 0.00159 | 0.0000384 | 0.0000531 | 0.000027 | 0.0208 | 0.00000525 | 0.0000161 | 0.000262 | 0.00159 |
| 2041 Nov | 0.00000263 | 0.902 | 0.000526 | 1.39 | 0.000939 | 0.000027 | 0.852 | 0.000668 | 0.00159 | 0.000039 | 0.0000532 | 0.000027 | 0.0208 | 0.00000526 | 0.0000161 | 0.000263 | 0.00159 |
| 2041 Dec | 0.00000263 | 0.902 | 0.000526 | 1.39 | 0.000939 | 0.000027 | 0.852 | 0.000668 | 0.00159 | 0.000039 | 0.0000532 | 0.000027 | 0.0208 | 0.00000526 | 0.0000161 | 0.000263 | 0.00159 |
| 2042 Jan | 0.00000263 | 0.902 | 0.000526 | 1.39 | 0.000939 | 0.000027 | 0.852 | 0.000668 | 0.00159 | 0.000039 | 0.0000532 | 0.000027 | 0.0208 | 0.00000526 | 0.0000161 | 0.000263 | 0.00159 |
| 2042 Feb | 0.00000263 | 0.902 | 0.000526 | 1.39 | 0.000939 | 0.000027 | 0.852 | 0.000668 | 0.00159 | 0.000039 | 0.0000532 | 0.000027 | 0.0208 | 0.00000526 | 0.0000161 | 0.000263 | 0.00159 |
| 2042 Mar | 0.00000263 | 0.902 | 0.000526 | 1.39 | 0.000939 | 0.000027 | 0.852 | 0.000668 | 0.00159 | 0.000039 | 0.0000532 | 0.000027 | 0.0208 | 0.00000526 | 0.0000161 | 0.000263 | 0.0016 |
| 2042 Apr | 0.00000263 | 0.903 | 0.000526 | 1.39 | 0.00094 | 0.0000271 | 0.853 | 0.000668 | 0.00159 | 0.0000391 | 0.0000532 | 0.000027 | 0.0209 | 0.00000526 | 0.0000161 | 0.000263 | 0.0016 |
| 2042 May | 0.00000265 | 0.908 | 0.00053 | 1.4 | 0.000943 | 0.0000272 | 0.858 | 0.000673 | 0.0016 | 0.0000392 | 0.0000535 | 0.0000272 | 0.021 | 0.0000053 | 0.0000162 | 0.000265 | 0.00161 |
| 2042 Jun | 0.00000261 | 0.924 | 0.000521 | 1.42 | 0.000845 | 0.0000266 | 0.871 | 0.00068 | 0.00167 | 0.0000362 | 0.0000526 | 0.0000266 | 0.0213 | 0.00000521 | 0.0000158 | 0.000261 | 0.00158 |
| 2042 Jul | 0.00000259 | 0.926 | 0.000518 | 1.43 | 0.000866 | 0.0000264 | 0.871 | 0.000686 | 0.0017 | 0.0000343 | 0.0000522 | 0.0000264 | 0.0214 | 0.00000518 | 0.0000157 | 0.000259 | 0.00157 |
| 2042 Aug | 0.00000258 | 0.9 | 0.000516 | 1.39 | 0.000974 | 0.0000266 | 0.847 | 0.000674 | 0.00164 | 0.0000335 | 0.000052 | 0.0000263 | 0.0208 | 0.00000516 | 0.0000158 | 0.000258 | 0.00156 |
| 2042 Sep | 0.00000258 | 0.886 | 0.000515 | 1.37 | 0.000983 | 0.0000267 | 0.834 | 0.000656 | 0.00161 | 0.000033 | 0.0000519 | 0.0000264 | 0.0206 | 0.00000515 | 0.0000158 | 0.000258 | 0.00156 |
| 2042 Oct | 0.00000253 | 0.858 | 0.000507 | 1.32 | 0.000972 | 0.0000262 | 0.806 | 0.000621 | 0.00153 | 0.0000556 | 0.0000521 | 0.0000263 | 0.02 | 0.00000507 | 0.0000155 | 0.000253 | 0.00156 |
| 2042 Nov | 0.00000254 | 0.858 | 0.000507 | 1.32 | 0.000973 | 0.0000262 | 0.807 | 0.000622 | 0.00153 | 0.0000581 | 0.0000522 | 0.0000263 | 0.0201 | 0.00000507 | 0.0000156 | 0.000254 | 0.00157 |
| 2042 Dec | 0.00000254 | 0.858 | 0.000507 | 1.32 | 0.000973 | 0.0000262 | 0.807 | 0.000622 | 0.00153 | 0.0000581 | 0.0000522 | 0.0000263 | 0.0201 | 0.00000507 | 0.0000156 | 0.000254 | 0.00157 |
| 2043 Jan | 0.00000254 | 0.858 | 0.000507 | 1.32 | 0.000973 | 0.0000262 | 0.807 | 0.000622 | 0.00153 | 0.0000581 | 0.0000522 | 0.0000263 | 0.0201 | 0.00000507 | 0.0000156 | 0.000254 | 0.00157 |
| 2043 Feb | 0.00000254 | 0.858 | 0.000507 | 1.32 | 0.000973 | 0.0000262 | 0.807 | 0.000622 | 0.00153 | 0.0000581 | 0.0000522 | 0.0000263 | 0.0201 | 0.00000507 | 0.0000156 | 0.000254 | 0.00157 |
| 2043 Mar | 0.00000254 | 0.858 | 0.000507 | 1.32 | 0.000973 | 0.0000262 | 0.807 | 0.000622 | 0.00153 | 0.0000581 | 0.0000522 | 0.0000263 | 0.0201 | 0.00000507 | 0.0000156 | 0.000254 | 0.00157 |
| 2043 Apr | 0.00000254 | 0.859 | 0.000508 | 1.32 | 0.000974 | 0.0000262 | 0.808 | 0.000623 | 0.00153 | 0.0000582 | 0.0000523 | 0.0000264 | 0.0201 | 0.00000508 | 0.0000156 | 0.000254 | 0.00157 |
| 2043 May | 0.00000256 | 0.864 | 0.000511 | 1.33 | 0.000974 | 0.0000264 | 0.813 | 0.000628 | 0.00153 | 0.0000579 | 0.0000526 | 0.0000265 | 0.0202 | 0.00000511 | 0.0000157 | 0.000256 | 0.00158 |
| 2043 Jun | 0.00000251 | 0.855 | 0.000502 | 1.32 | 0.000844 | 0.0000257 | 0.812 | 0.000642 | 0.00145 | 0.0000476 | 0.0000512 | 0.0000257 | 0.0196 | 0.00000502 | 0.0000154 | 0.000251 | 0.00154 |
| 2043 Jul | 0.00000256 | 0.879 | 0.000513 | 1.36 | 0.000861 | 0.0000262 | 0.833 | 0.000659 | 0.0015 | 0.0000476 | 0.0000523 | 0.0000263 | 0.0202 | 0.00000513 | 0.0000157 | 0.000256 | 0.00157 |
| 2043 Aug | 0.00000258 | 0.871 | 0.000516 | 1.34 | 0.000912 | 0.0000268 | 0.825 | 0.000652 | 0.00148 | 0.0000466 | 0.0000526 | 0.0000264 | 0.02 | 0.00000516 | 0.0000159 | 0.000258 | 0.00158 |
| 2043 Sep | 0.00000257 | 0.853 | 0.000514 | 1.31 | 0.000934 | 0.000027 | 0.808 | 0.00063 | 0.00145 | 0.000045 | 0.0000522 | 0.0000264 | 0.0197 | 0.00000514 | 0.0000159 | 0.000257 | 0.00157 |
| 2043 Oct | 0.00000257 | 0.852 | 0.000514 | 1.31 | 0.000936 | 0.000027 | 0.806 | 0.000626 | 0.00144 | 0.0000451 | 0.0000523 | 0.0000265 | 0.0197 | 0.00000514 | 0.0000159 | 0.000257 | 0.00157 |
| 2043 Nov | 0.00000257 | 0.853 | 0.000515 | 1.31 | 0.000937 | 0.0000271 | 0.807 | 0.000627 | 0.00144 | 0.0000453 | 0.0000524 | 0.0000265 | 0.0197 | 0.00000515 | 0.000016 | 0.000257 | 0.00157 |
| 2043 Dec | 0.00000257 | 0.853 | 0.000515 | 1.31 | 0.000937 | 0.0000271 | 0.807 | 0.000627 | 0.00144 | 0.0000453 | 0.0000524 | 0.0000265 | 0.0197 | 0.00000515 | 0.000016 | 0.000257 | 0.00157 |
| 2044 Jan | 0.00000257 | 0.853 | 0.000515 | 1.31 | 0.000937 | 0.0000271 | 0.807 | 0.000627 | 0.00144 | 0.0000453 | 0.0000524 | 0.0000265 | 0.0197 | 0.00000515 | 0.000016 | 0.000257 | 0.00157 |
| 2044 Feb | 0.00000257 | 0.853 | 0.000515 | 1.31 | 0.000937 | 0.0000271 | 0.807 | 0.000627 | 0.00144 | 0.0000453 | 0.0000524 | 0.0000265 | 0.0197 | 0.00000515 | 0.000016 | 0.000257 | 0.00157 |
| 2044 Mar | 0.00000257 | 0.853 | 0.000515 | 1.31 | 0.000937 | 0.0000271 | 0.807 | 0.000627 | 0.00144 | 0.0000453 | 0.0000524 | 0.0000265 | 0.0197 | 0.00000515 | 0.000016 | 0.000257 | 0.00157 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 0.00000258 | 0.854 | 0.000515 | 1.31 | 0.000938 | 0.0000271 | 0.808 | 0.000627 | 0.00145 | 0.0000453 | 0.0000524 | 0.0000265 | 0.0197 | 0.00000515 | 0.000016 | 0.000258 | 0.00157 |
| 2044 May | 0.00000259 | 0.858 | 0.000518 | 1.32 | 0.000942 | 0.0000272 | 0.812 | 0.000631 | 0.00145 | 0.0000455 | 0.0000527 | 0.0000267 | 0.0198 | 0.00000518 | 0.0000161 | 0.000259 | 0.00158 |
| 2044 Jun | 0.00000253 | 0.876 | 0.000507 | 1.35 | 0.000817 | 0.0000263 | 0.827 | 0.000644 | 0.00152 | 0.0000397 | 0.0000513 | 0.0000259 | 0.0201 | 0.00000507 | 0.0000155 | 0.000253 | 0.00154 |
| 2044 Jul | 0.00000257 | 0.9 | 0.000515 | 1.38 | 0.000822 | 0.0000267 | 0.849 | 0.000662 | 0.00159 | 0.0000392 | 0.0000521 | 0.0000263 | 0.0207 | 0.00000515 | 0.0000157 | 0.000257 | 0.00156 |
| 2044 Aug | 0.00000262 | 0.911 | 0.000525 | 1.4 | 0.000866 | 0.0000272 | 0.859 | 0.000672 | 0.0016 | 0.0000396 | 0.0000531 | 0.0000267 | 0.021 | 0.00000525 | 0.0000161 | 0.000262 | 0.00159 |
| 2044 Sep | 0.0000026 | 0.889 | 0.000521 | 1.37 | 0.000885 | 0.0000273 | 0.839 | 0.000647 | 0.00156 | 0.0000385 | 0.0000526 | 0.0000267 | 0.0205 | 0.00000521 | 0.000016 | 0.00026 | 0.00158 |
| 2044 Oct | 0.00000259 | 0.877 | 0.000517 | 1.35 | 0.000888 | 0.0000271 | 0.826 | 0.000632 | 0.00152 | 0.0000563 | 0.0000531 | 0.0000267 | 0.0203 | 0.00000517 | 0.0000159 | 0.000259 | 0.00159 |
| 2044 Nov | 0.00000258 | 0.876 | 0.000517 | 1.35 | 0.000888 | 0.000027 | 0.825 | 0.000632 | 0.00151 | 0.0000659 | 0.0000535 | 0.0000267 | 0.0203 | 0.00000517 | 0.0000159 | 0.000258 | 0.00161 |
| 2044 Dec | 0.00000258 | 0.876 | 0.000517 | 1.35 | 0.000888 | 0.000027 | 0.824 | 0.000632 | 0.00151 | 0.0000659 | 0.0000535 | 0.0000267 | 0.0203 | 0.00000517 | 0.0000159 | 0.000258 | 0.00161 |
| 2045 Jan | 0.00000258 | 0.876 | 0.000517 | 1.35 | 0.000888 | 0.000027 | 0.824 | 0.000632 | 0.00151 | 0.0000658 | 0.0000535 | 0.0000267 | 0.0203 | 0.00000517 | 0.0000159 | 0.000258 | 0.00161 |
| 2045 Feb | 0.00000258 | 0.876 | 0.000517 | 1.35 | 0.000888 | 0.000027 | 0.824 | 0.000632 | 0.00151 | 0.0000658 | 0.0000535 | 0.0000267 | 0.0203 | 0.00000517 | 0.0000159 | 0.000258 | 0.00161 |
| 2045 Mar | 0.00000258 | 0.876 | 0.000517 | 1.35 | 0.000888 | 0.000027 | 0.825 | 0.000632 | 0.00151 | 0.0000658 | 0.0000535 | 0.0000267 | 0.0203 | 0.00000517 | 0.0000159 | 0.000258 | 0.00161 |
| 2045 Apr | 0.00000259 | 0.877 | 0.000517 | 1.35 | 0.000889 | 0.000027 | 0.825 | 0.000632 | 0.00151 | 0.0000659 | 0.0000536 | 0.0000267 | 0.0204 | 0.00000517 | 0.0000159 | 0.000259 | 0.00161 |
| 2045 May | 0.0000026 | 0.881 | 0.00052 | 1.35 | 0.000893 | 0.0000272 | 0.829 | 0.000635 | 0.00152 | 0.0000662 | 0.0000538 | 0.0000268 | 0.0204 | 0.0000052 | 0.000016 | 0.00026 | 0.00161 |
| 2045 Jun | 0.00000258 | 0.906 | 0.000515 | 1.39 | 0.000817 | 0.0000268 | 0.85 | 0.00065 | 0.00162 | 0.000059 | 0.0000531 | 0.0000265 | 0.021 | 0.00000515 | 0.0000157 | 0.000258 | 0.00159 |
| 2045 Jul | 0.00000263 | 0.936 | 0.000526 | 1.44 | 0.000813 | 0.0000272 | 0.877 | 0.000671 | 0.00169 | 0.0000571 | 0.000054 | 0.0000269 | 0.0217 | 0.00000526 | 0.000016 | 0.000263 | 0.00162 |
| 2045 Aug | 0.00000268 | 0.952 | 0.000536 | 1.46 | 0.000843 | 0.0000278 | 0.892 | 0.000683 | 0.00172 | 0.0000579 | 0.0000551 | 0.0000275 | 0.0221 | 0.00000536 | 0.0000163 | 0.000268 | 0.00165 |
| 2045 Sep | 0.00000269 | 0.949 | 0.000538 | 1.46 | 0.000854 | 0.000028 | 0.889 | 0.000678 | 0.00171 | 0.0000574 | 0.0000552 | 0.0000276 | 0.0221 | 0.00000538 | 0.0000164 | 0.000269 | 0.00166 |
| 2045 Oct | 0.0000027 | 0.95 | 0.000539 | 1.46 | 0.000858 | 0.000028 | 0.89 | 0.000677 | 0.00171 | 0.0000575 | 0.0000554 | 0.0000277 | 0.0221 | 0.00000539 | 0.0000164 | 0.00027 | 0.00166 |
| 2045 Nov | 0.0000027 | 0.951 | 0.00054 | 1.46 | 0.000859 | 0.0000281 | 0.891 | 0.000678 | 0.00171 | 0.0000577 | 0.0000554 | 0.0000277 | 0.0221 | 0.0000054 | 0.0000164 | 0.00027 | 0.00166 |
| 2045 Dec | 0.0000027 | 0.951 | 0.00054 | 1.46 | 0.000859 | 0.0000281 | 0.891 | 0.000678 | 0.00171 | 0.0000577 | 0.0000554 | 0.0000277 | 0.0221 | 0.0000054 | 0.0000164 | 0.00027 | 0.00166 |
| 2046 Jan | 0.0000027 | 0.951 | 0.00054 | 1.46 | 0.000859 | 0.0000281 | 0.891 | 0.000678 | 0.00171 | 0.0000577 | 0.0000554 | 0.0000277 | 0.0221 | 0.0000054 | 0.0000164 | 0.00027 | 0.00166 |
| 2046 Feb | 0.0000027 | 0.951 | 0.00054 | 1.46 | 0.000859 | 0.0000281 | 0.891 | 0.000678 | 0.00171 | 0.0000577 | 0.0000554 | 0.0000277 | 0.0221 | 0.0000054 | 0.0000164 | 0.00027 | 0.00166 |
| 2046 Mar | 0.0000027 | 0.951 | 0.00054 | 1.46 | 0.000859 | 0.0000281 | 0.891 | 0.000678 | 0.00171 | 0.0000577 | 0.0000554 | 0.0000278 | 0.0221 | 0.0000054 | 0.0000164 | 0.00027 | 0.00166 |
| 2046 Apr | 0.0000027 | 0.952 | 0.000541 | 1.46 | 0.00086 | 0.0000281 | 0.892 | 0.000679 | 0.00172 | 0.0000578 | 0.0000555 | 0.0000278 | 0.0221 | 0.00000541 | 0.0000165 | 0.00027 | 0.00167 |
| 2046 May | 0.00000272 | 0.957 | 0.000544 | 1.47 | 0.000864 | 0.0000282 | 0.897 | 0.000682 | 0.00173 | 0.0000581 | 0.0000558 | 0.0000279 | 0.0222 | 0.00000544 | 0.0000166 | 0.000272 | 0.00167 |
| 2046 Jun | 0.00000263 | 0.961 | 0.000526 | 1.47 | 0.000756 | 0.0000271 | 0.898 | 0.000683 | 0.00179 | 0.0000494 | 0.0000537 | 0.0000269 | 0.0223 | 0.00000526 | 0.0000158 | 0.000263 | 0.00161 |
| 2046 Jul | 0.00000261 | 0.967 | 0.000521 | 1.48 | 0.000741 | 0.0000267 | 0.903 | 0.000691 | 0.00183 | 0.0000447 | 0.000053 | 0.0000265 | 0.0225 | 0.00000521 | 0.0000156 | 0.000261 | 0.00159 |
| 2046 Aug | 0.00000264 | 0.971 | 0.000528 | 1.49 | 0.000791 | 0.0000272 | 0.907 | 0.000696 | 0.00183 | 0.0000448 | 0.0000537 | 0.0000269 | 0.0226 | 0.00000528 | 0.0000159 | 0.000264 | 0.00161 |
| 2046 Sep | 0.00000261 | 0.941 | 0.000523 | 1.44 | 0.000813 | 0.0000271 | 0.879 | 0.000664 | 0.00176 | 0.0000431 | 0.0000531 | 0.0000268 | 0.0219 | 0.00000523 | 0.0000158 | 0.000261 | 0.00159 |
| 2046 Oct | 0.0000026 | 0.924 | 0.00052 | 1.42 | 0.00082 | 0.0000269 | 0.864 | 0.000643 | 0.00171 | 0.0000442 | 0.0000528 | 0.0000269 | 0.0216 | 0.0000052 | 0.0000157 | 0.00026 | 0.00158 |
| 2046 Nov | 0.0000026 | 0.925 | 0.00052 | 1.42 | 0.000821 | 0.000027 | 0.865 | 0.000644 | 0.00172 | 0.0000449 | 0.0000529 | 0.0000269 | 0.0216 | 0.0000052 | 0.0000158 | 0.00026 | 0.00159 |
| 2046 Dec | 0.0000026 | 0.925 | 0.00052 | 1.42 | 0.000821 | 0.000027 | 0.865 | 0.000644 | 0.00172 | 0.0000449 | 0.0000529 | 0.000027 | 0.0216 | 0.0000052 | 0.0000158 | 0.00026 | 0.00159 |
| 2047 Jan | 0.0000026 | 0.925 | 0.00052 | 1.42 | 0.000821 | 0.000027 | 0.865 | 0.000644 | 0.00172 | 0.0000449 | 0.0000529 | 0.000027 | 0.0216 | 0.0000052 | 0.0000158 | 0.00026 | 0.00159 |
| 2047 Feb | 0.0000026 | 0.925 | 0.00052 | 1.42 | 0.000821 | 0.000027 | 0.865 | 0.000644 | 0.00172 | 0.0000449 | 0.0000529 | 0.000027 | 0.0216 | 0.0000052 | 0.0000158 | 0.00026 | 0.00159 |
| 2047 Mar | 0.0000026 | 0.925 | 0.00052 | 1.42 | 0.000821 | 0.000027 | 0.865 | 0.000644 | 0.00172 | 0.0000449 | 0.0000529 | 0.000027 | 0.0216 | 0.0000052 | 0.0000158 | 0.00026 | 0.00159 |
| 2047 Apr | 0.0000026 | 0.926 | 0.000521 | 1.42 | 0.000821 | 0.000027 | 0.866 | 0.000645 | 0.00172 | 0.0000449 | 0.0000529 | 0.000027 | 0.0216 | 0.00000521 | 0.0000158 | 0.00026 | 0.00159 |
| 2047 May | 0.0000026 | 0.921 | 0.00052 | 1.41 | 0.000813 | 0.0000269 | 0.863 | 0.000647 | 0.00169 | 0.0000441 | 0.0000529 | 0.0000269 | 0.0214 | 0.0000052 | 0.0000158 | 0.00026 | 0.00159 |
| 2047 Jun | 0.00000255 | 0.893 | 0.000509 | 1.37 | 0.00074 | 0.0000261 | 0.845 | 0.000655 | 0.00155 | 0.0000384 | 0.0000515 | 0.0000261 | 0.0204 | 0.00000509 | 0.0000155 | 0.000255 | 0.00155 |
| 2047 Jul | 0.00000261 | 0.916 | 0.000522 | 1.41 | 0.000776 | 0.0000268 | 0.867 | 0.000674 | 0.0016 | 0.0000388 | 0.0000528 | 0.0000268 | 0.021 | 0.00000522 | 0.0000159 | 0.000261 | 0.00158 |
| 2047 Aug | 0.00000265 | 0.924 | 0.000531 | 1.42 | 0.000823 | 0.0000273 | 0.875 | 0.000682 | 0.00161 | 0.0000391 | 0.0000537 | 0.0000272 | 0.0212 | 0.00000531 | 0.0000162 | 0.000265 | 0.00161 |
| 2047 Sep | 0.00000264 | 0.909 | 0.000528 | 1.4 | 0.000837 | 0.0000273 | 0.86 | 0.000662 | 0.00158 | 0.0000383 | 0.0000534 | 0.0000272 | 0.0209 | 0.00000528 | 0.0000161 | 0.000264 | 0.0016 |
| 2047 Oct | 0.00000264 | 0.903 | 0.000527 | 1.39 | 0.000842 | 0.0000272 | 0.855 | 0.000654 | 0.00156 | 0.0000428 | 0.0000535 | 0.0000273 | 0.0208 | 0.00000527 | 0.0000161 | 0.000264 | 0.00161 |
| 2047 Nov | 0.00000264 | 0.904 | 0.000528 | 1.39 | 0.000843 | 0.0000272 | 0.855 | 0.000655 | 0.00156 | 0.0000447 | 0.0000536 | 0.0000273 | 0.0208 | 0.00000528 | 0.0000161 | 0.000264 | 0.00161 |
| 2047 Dec | 0.00000264 | 0.904 | 0.000528 | 1.39 | 0.000843 | 0.0000272 | 0.855 | 0.000655 | 0.00156 | 0.0000447 | 0.0000536 | 0.0000273 | 0.0208 | 0.00000528 | 0.0000161 | 0.000264 | 0.00161 |
| 2048 Jan | 0.00000264 | 0.904 | 0.000528 | 1.39 | 0.000843 | 0.0000272 | 0.855 | 0.000655 | 0.00156 | 0.0000447 | 0.0000536 | 0.0000273 | 0.0208 | 0.00000528 | 0.0000161 | 0.000264 | 0.00161 |
| 2048 Feb | 0.00000264 | 0.904 | 0.000528 | 1.39 | 0.000843 | 0.0000272 | 0.855 | 0.000655 | 0.00156 | 0.0000447 | 0.0000536 | 0.0000273 | 0.0208 | 0.00000528 | 0.0000161 | 0.000264 | 0.00161 |
| 2048 Mar | 0.00000264 | 0.904 | 0.000528 | 1.39 | 0.000843 | 0.0000272 | 0.855 | 0.000655 | 0.00156 | 0.0000447 | 0.0000536 | 0.0000273 | 0.0208 | 0.00000528 | 0.0000161 | 0.000264 | 0.00161 |
| 2048 Apr | 0.00000264 | 0.905 | 0.000528 | 1.39 | 0.000844 | 0.0000272 | 0.856 | 0.000655 | 0.00156 | 0.0000448 | 0.0000537 | 0.0000273 | 0.0209 | 0.00000528 | 0.0000161 | 0.000264 | 0.00161 |
| 2048 May | 0.00000266 | 0.91 | 0.000531 | 1.4 | 0.000848 | 0.0000274 | 0.861 | 0.000659 | 0.00157 | 0.000045 | 0.000054 | 0.0000275 | 0.021 | 0.00000531 | 0.0000162 | 0.000266 | 0.00162 |
| 2048 Jun | 0.00000256 | 0.924 | 0.000512 | 1.42 | 0.000724 | 0.0000262 | 0.869 | 0.000663 | 0.00168 | 0.0000386 | 0.0000518 | 0.0000262 | 0.0213 | 0.00000512 | 0.0000154 | 0.000256 | 0.00155 |
| 2048 Jul | 0.00000253 | 0.933 | 0.000506 | 1.43 | 0.000707 | 0.0000257 | 0.875 | 0.000672 | 0.00174 | 0.0000353 | 0.0000511 | 0.0000258 | 0.0216 | 0.00000506 | 0.0000152 | 0.000253 | 0.00153 |
| 2048 Aug | 0.00000258 | 0.943 | 0.000515 | 1.45 | 0.00076 | 0.0000263 | 0.885 | 0.000683 | 0.00176 | 0.0000357 | 0.000052 | 0.0000263 | 0.0218 | 0.00000515 | 0.0000155 | 0.000258 | 0.00156 |
| 2048 Sep | 0.0000026 | 0.946 | 0.000519 | 1.45 | 0.000772 | 0.0000265 | 0.887 | 0.000682 | 0.00176 | 0.0000358 | 0.0000524 | 0.0000265 | 0.0219 | 0.00000519 | 0.0000156 | 0.00026 | 0.00157 |
| 2048 Oct | 0.00000257 | 0.932 | 0.000515 | 1.43 | 0.000778 | 0.0000262 | 0.872 | 0.000672 | 0.0017 | 0.0000697 | 0.0000535 | 0.0000263 | 0.0217 | 0.00000515 | 0.0000155 | 0.000257 | 0.0016 |
| 2048 Nov | 0.00000257 | 0.93 | 0.000514 | 1.43 | 0.000782 | 0.0000262 | 0.868 | 0.000672 | 0.00168 | 0.0000874 | 0.0000543 | 0.0000263 | 0.0216 | 0.00000514 | 0.0000155 | 0.000257 | 0.00163 |
| 2048 Dec | 0.00000257 | 0.93 | 0.000514 | 1.43 | 0.000782 | 0.0000262 | 0.868 | 0.000672 | 0.00168 | 0.0000874 | 0.0000543 | 0.0000263 | 0.0216 | 0.00000514 | 0.0000155 | 0.000257 | 0.00163 |
| 2049 Jan | 0.00000257 | 0.93 | 0.000514 | 1.43 | 0.000782 | 0.0000262 | 0.868 | 0.000671 | 0.00168 | 0.0000874 | 0.0000543 | 0.0000263 | 0.0216 | 0.00000514 | 0.0000155 | 0.000257 | 0.00163 |
| 2049 Feb | 0.00000257 | 0.93 | 0.000514 | 1.43 | 0.000782 | 0.0000262 | 0.868 | 0.000671 | 0.00168 | 0.0000874 | 0.0000543 | 0.0000263 | 0.0216 | 0.00000514 | 0.0000155 | 0.000257 | 0.00163 |
| 2049 Mar | 0.00000257 | 0.93 | 0.000514 | 1.43 | 0.000782 | 0.0000262 | 0.868 | 0.000672 | 0.00168 | 0.0000874 | 0.0000543 | 0.0000263 | 0.0216 | 0.00000514 | 0.0000155 | 0.000257 | 0.00163 |
| 2049 Apr | 0.00000257 | 0.931 | 0.000515 | 1.43 | 0.000783 | 0.0000262 | 0.869 | 0.000672 | 0.00169 | 0.0000875 | 0.0000543 | 0.0000263 | 0.0216 | 0.00000515 | 0.0000155 | 0.000257 | 0.00163 |
| 2049 May | 0.00000259 | 0.936 | 0.000518 | 1.44 | 0.000788 | 0.0000264 | 0.874 | 0.000676 | 0.0017 | 0.000088 | 0.0000547 | 0.0000265 | 0.0218 | 0.00000518 | 0.0000156 | 0.000259 | 0.00164 |
| 2049 Jun | 0.00000252 | 0.946 | 0.000504 | 1.45 | 0.000683 | 0.0000255 | 0.882 | 0.000678 | 0.00178 | 0.0000691 | 0.0000524 | 0.0000256 | 0.022 | 0.00000504 | 0.000015 | 0.000252 | 0.00157 |
| 2049 Jul | 0.00000249 | 0.941 | 0.000498 | 1.45 | 0.000696 | 0.0000252 | 0.876 | 0.000679 | 0.00179 | 0.0000603 | 0.0000515 | 0.0000253 | 0.0218 | 0.00000498 | 0.0000149 | 0.000249 | 0.00154 |
| 2049 Aug | 0.00000253 | 0.945 | 0.000506 | 1.45 | 0.00075 | 0.0000257 | 0.88 | 0.000684 | 0.00179 | 0.00006 | 0.0000522 | 0.0000256 | 0.022 | 0.00000506 | 0.0000152 | 0.000253 | 0.00157 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 0.00000252 | 0.922 | 0.000504 | 1.42 | 0.000776 | 0.0000259 | 0.86 | 0.000658 | 0.00173 | 0.0000575 | 0.0000519 | 0.0000258 | 0.0215 | 0.00000504 | 0.0000152 | 0.000252 | 0.00156 |
| 2049 Oct | 0.00000252 | 0.915 | 0.000503 | 1.4 | 0.000783 | 0.0000258 | 0.852 | 0.00065 | 0.0017 | 0.0000696 | 0.0000524 | 0.0000258 | 0.0214 | 0.00000503 | 0.0000152 | 0.000252 | 0.00157 |
| 2049 Nov | 0.00000252 | 0.915 | 0.000504 | 1.4 | 0.000784 | 0.0000258 | 0.852 | 0.000651 | 0.0017 | 0.0000731 | 0.0000526 | 0.0000258 | 0.0214 | 0.00000504 | 0.0000152 | 0.000252 | 0.00158 |
| 2049 Dec | 0.00000252 | 0.915 | 0.000504 | 1.4 | 0.000784 | 0.0000258 | 0.852 | 0.00065 | 0.0017 | 0.0000731 | 0.0000526 | 0.0000258 | 0.0214 | 0.00000504 | 0.0000152 | 0.000252 | 0.00158 |
| 2050 Jan | 0.00000252 | 0.915 | 0.000504 | 1.4 | 0.000784 | 0.0000258 | 0.852 | 0.00065 | 0.0017 | 0.0000731 | 0.0000526 | 0.0000258 | 0.0214 | 0.00000504 | 0.0000152 | 0.000252 | 0.00158 |
| 2050 Feb | 0.00000252 | 0.915 | 0.000504 | 1.4 | 0.000784 | 0.0000258 | 0.852 | 0.00065 | 0.0017 | 0.0000731 | 0.0000526 | 0.0000258 | 0.0214 | 0.00000504 | 0.0000152 | 0.000252 | 0.00158 |
| 2050 Mar | 0.00000252 | 0.915 | 0.000504 | 1.4 | 0.000784 | 0.0000258 | 0.852 | 0.00065 | 0.0017 | 0.0000731 | 0.0000526 | 0.0000258 | 0.0214 | 0.00000504 | 0.0000152 | 0.000252 | 0.00158 |
| 2050 Apr | 0.00000252 | 0.916 | 0.000504 | 1.41 | 0.000785 | 0.0000258 | 0.853 | 0.000651 | 0.0017 | 0.0000732 | 0.0000526 | 0.0000258 | 0.0214 | 0.00000504 | 0.0000152 | 0.000252 | 0.00158 |
| 2050 May | 0.00000253 | 0.92 | 0.000506 | 1.41 | 0.000788 | 0.000026 | 0.857 | 0.000654 | 0.00171 | 0.0000735 | 0.0000529 | 0.000026 | 0.0215 | 0.00000506 | 0.0000153 | 0.000253 | 0.00159 |
| 2050 Jun | 0.00000251 | 0.933 | 0.000502 | 1.43 | 0.00072 | 0.0000256 | 0.868 | 0.000663 | 0.00176 | 0.0000637 | 0.0000519 | 0.0000256 | 0.0217 | 0.00000502 | 0.000015 | 0.000251 | 0.00156 |
| 2050 Jul | 0.00000251 | 0.94 | 0.000502 | 1.44 | 0.00073 | 0.0000255 | 0.875 | 0.000673 | 0.00179 | 0.0000567 | 0.0000517 | 0.0000255 | 0.0219 | 0.00000502 | 0.000015 | 0.000251 | 0.00155 |
| 2050 Aug | 0.00000255 | 0.948 | 0.00051 | 1.46 | 0.000778 | 0.000026 | 0.883 | 0.000682 | 0.0018 | 0.0000569 | 0.0000525 | 0.0000259 | 0.0221 | 0.0000051 | 0.0000153 | 0.000255 | 0.00157 |
| 2050 Sep | 0.00000255 | 0.938 | 0.000511 | 1.44 | 0.000799 | 0.0000262 | 0.873 | 0.000669 | 0.00177 | 0.0000556 | 0.0000525 | 0.0000261 | 0.0219 | 0.00000511 | 0.0000154 | 0.000255 | 0.00157 |
| 2050 Oct | 0.00000256 | 0.939 | 0.000513 | 1.44 | 0.000803 | 0.0000263 | 0.874 | 0.000669 | 0.00177 | 0.0000558 | 0.0000527 | 0.0000262 | 0.0219 | 0.00000513 | 0.0000154 | 0.000256 | 0.00158 |
| 2050 Nov | 0.00000257 | 0.94 | 0.000513 | 1.44 | 0.000804 | 0.0000263 | 0.875 | 0.000669 | 0.00178 | 0.000056 | 0.0000527 | 0.0000262 | 0.0219 | 0.00000513 | 0.0000155 | 0.000257 | 0.00158 |
| 2050 Dec | 0.00000257 | 0.94 | 0.000513 | 1.44 | 0.000804 | 0.0000263 | 0.875 | 0.000669 | 0.00178 | 0.000056 | 0.0000527 | 0.0000262 | 0.0219 | 0.00000513 | 0.0000155 | 0.000257 | 0.00158 |
| 2051 Jan | 0.00000257 | 0.94 | 0.000513 | 1.44 | 0.000804 | 0.0000263 | 0.875 | 0.000669 | 0.00178 | 0.000056 | 0.0000527 | 0.0000262 | 0.0219 | 0.00000513 | 0.0000155 | 0.000257 | 0.00158 |
| 2051 Feb | 0.00000257 | 0.94 | 0.000513 | 1.44 | 0.000804 | 0.0000263 | 0.875 | 0.000669 | 0.00178 | 0.000056 | 0.0000527 | 0.0000262 | 0.0219 | 0.00000513 | 0.0000155 | 0.000257 | 0.00158 |
| 2051 Mar | 0.00000257 | 0.94 | 0.000513 | 1.44 | 0.000804 | 0.0000263 | 0.876 | 0.000669 | 0.00178 | 0.000056 | 0.0000527 | 0.0000262 | 0.0219 | 0.00000513 | 0.0000155 | 0.000257 | 0.00158 |
| 2051 Apr | 0.00000257 | 0.941 | 0.000514 | 1.44 | 0.000805 | 0.0000264 | 0.876 | 0.00067 | 0.00178 | 0.000056 | 0.0000528 | 0.0000262 | 0.022 | 0.00000514 | 0.0000155 | 0.000257 | 0.00158 |
| 2051 May | 0.00000258 | 0.944 | 0.000516 | 1.45 | 0.000807 | 0.0000265 | 0.88 | 0.000674 | 0.00178 | 0.000056 | 0.000053 | 0.0000264 | 0.022 | 0.00000516 | 0.0000155 | 0.000258 | 0.00159 |
| 2051 Jun | 0.0000025 | 0.928 | 0.0005 | 1.43 | 0.000696 | 0.0000255 | 0.868 | 0.000672 | 0.00173 | 0.0000451 | 0.000051 | 0.0000254 | 0.0214 | 0.000005 | 0.000015 | 0.00025 | 0.00153 |
| 2051 Jul | 0.00000252 | 0.943 | 0.000505 | 1.45 | 0.000701 | 0.0000256 | 0.882 | 0.000684 | 0.00177 | 0.0000431 | 0.0000513 | 0.0000256 | 0.0218 | 0.00000505 | 0.0000151 | 0.000252 | 0.00154 |
| 2051 Aug | 0.00000255 | 0.936 | 0.00051 | 1.44 | 0.000762 | 0.0000262 | 0.875 | 0.00068 | 0.00175 | 0.0000425 | 0.0000517 | 0.0000258 | 0.0217 | 0.0000051 | 0.0000154 | 0.000255 | 0.00155 |
| 2051 Sep | 0.00000255 | 0.927 | 0.000511 | 1.42 | 0.000783 | 0.0000264 | 0.867 | 0.000667 | 0.00172 | 0.0000419 | 0.0000519 | 0.000026 | 0.0215 | 0.00000511 | 0.0000155 | 0.000255 | 0.00156 |
| 2051 Oct | 0.00000254 | 0.915 | 0.000509 | 1.4 | 0.000792 | 0.0000263 | 0.855 | 0.000654 | 0.00168 | 0.0000619 | 0.0000526 | 0.000026 | 0.0213 | 0.00000509 | 0.0000154 | 0.000254 | 0.00158 |
| 2051 Nov | 0.00000254 | 0.913 | 0.000508 | 1.4 | 0.000794 | 0.0000262 | 0.852 | 0.000654 | 0.00167 | 0.0000728 | 0.000053 | 0.000026 | 0.0213 | 0.00000508 | 0.0000154 | 0.000254 | 0.00159 |
| 2051 Dec | 0.00000254 | 0.913 | 0.000508 | 1.4 | 0.000794 | 0.0000262 | 0.852 | 0.000654 | 0.00167 | 0.0000728 | 0.000053 | 0.000026 | 0.0213 | 0.00000508 | 0.0000154 | 0.000254 | 0.00159 |
| 2052 Jan | 0.00000254 | 0.913 | 0.000508 | 1.4 | 0.000794 | 0.0000262 | 0.852 | 0.000654 | 0.00167 | 0.0000728 | 0.000053 | 0.000026 | 0.0213 | 0.00000508 | 0.0000154 | 0.000254 | 0.00159 |
| 2052 Feb | 0.00000254 | 0.913 | 0.000508 | 1.4 | 0.000794 | 0.0000262 | 0.852 | 0.000654 | 0.00167 | 0.0000728 | 0.000053 | 0.000026 | 0.0213 | 0.00000508 | 0.0000154 | 0.000254 | 0.00159 |
| 2052 Mar | 0.00000254 | 0.914 | 0.000508 | 1.4 | 0.000794 | 0.0000262 | 0.852 | 0.000654 | 0.00167 | 0.0000728 | 0.000053 | 0.000026 | 0.0213 | 0.00000508 | 0.0000154 | 0.000254 | 0.00159 |
| 2052 Apr | 0.00000254 | 0.914 | 0.000509 | 1.4 | 0.000794 | 0.0000262 | 0.853 | 0.000654 | 0.00167 | 0.0000729 | 0.0000531 | 0.000026 | 0.0213 | 0.00000509 | 0.0000154 | 0.000254 | 0.00159 |
| 2052 May | 0.00000255 | 0.917 | 0.000511 | 1.41 | 0.000795 | 0.0000263 | 0.856 | 0.000658 | 0.00167 | 0.0000726 | 0.0000533 | 0.0000261 | 0.0213 | 0.00000511 | 0.0000155 | 0.000255 | 0.0016 |
| 2052 Jun | 0.00000253 | 0.924 | 0.000506 | 1.42 | 0.000723 | 0.0000259 | 0.865 | 0.000668 | 0.00169 | 0.0000613 | 0.0000522 | 0.0000257 | 0.0214 | 0.00000506 | 0.0000152 | 0.000253 | 0.00157 |
| 2052 Jul | 0.00000258 | 0.947 | 0.000516 | 1.45 | 0.000737 | 0.0000264 | 0.886 | 0.000685 | 0.00175 | 0.0000598 | 0.0000531 | 0.0000262 | 0.0219 | 0.00000516 | 0.0000155 | 0.000258 | 0.00159 |
| 2052 Aug | 0.00000261 | 0.951 | 0.000522 | 1.46 | 0.000772 | 0.0000269 | 0.889 | 0.000687 | 0.00175 | 0.0000596 | 0.0000537 | 0.0000265 | 0.022 | 0.00000522 | 0.0000158 | 0.000261 | 0.00161 |
| 2052 Sep | 0.00000261 | 0.944 | 0.000523 | 1.45 | 0.000791 | 0.0000271 | 0.882 | 0.000679 | 0.00173 | 0.0000586 | 0.0000538 | 0.0000266 | 0.0219 | 0.00000523 | 0.0000158 | 0.000261 | 0.00161 |
| 2052 Oct | 0.00000262 | 0.942 | 0.000523 | 1.44 | 0.000795 | 0.0000271 | 0.88 | 0.000675 | 0.00172 | 0.0000611 | 0.0000539 | 0.0000267 | 0.0219 | 0.00000523 | 0.0000159 | 0.000262 | 0.00162 |
| 2052 Nov | 0.00000262 | 0.942 | 0.000524 | 1.44 | 0.000796 | 0.0000271 | 0.881 | 0.000676 | 0.00172 | 0.0000616 | 0.000054 | 0.0000267 | 0.0219 | 0.00000524 | 0.0000159 | 0.000262 | 0.00162 |
| 2052 Dec | 0.00000262 | 0.942 | 0.000524 | 1.44 | 0.000796 | 0.0000271 | 0.881 | 0.000676 | 0.00172 | 0.0000616 | 0.000054 | 0.0000267 | 0.0219 | 0.00000524 | 0.0000159 | 0.000262 | 0.00162 |
| 2053 Jan | 0.00000262 | 0.942 | 0.000524 | 1.44 | 0.000796 | 0.0000271 | 0.881 | 0.000676 | 0.00172 | 0.0000616 | 0.000054 | 0.0000267 | 0.0219 | 0.00000524 | 0.0000159 | 0.000262 | 0.00162 |
| 2053 Feb | 0.00000262 | 0.943 | 0.000524 | 1.45 | 0.000796 | 0.0000271 | 0.881 | 0.000676 | 0.00172 | 0.0000616 | 0.000054 | 0.0000267 | 0.0219 | 0.00000524 | 0.0000159 | 0.000262 | 0.00162 |
| 2053 Mar | 0.00000262 | 0.943 | 0.000524 | 1.45 | 0.000796 | 0.0000271 | 0.881 | 0.000676 | 0.00172 | 0.0000616 | 0.000054 | 0.0000267 | 0.0219 | 0.00000524 | 0.0000159 | 0.000262 | 0.00162 |
| 2053 Apr | 0.00000262 | 0.944 | 0.000524 | 1.45 | 0.000797 | 0.0000272 | 0.882 | 0.000677 | 0.00173 | 0.0000617 | 0.0000541 | 0.0000268 | 0.0219 | 0.00000524 | 0.0000159 | 0.000262 | 0.00162 |
| 2053 May | 0.00000263 | 0.942 | 0.000526 | 1.45 | 0.000793 | 0.0000272 | 0.883 | 0.00068 | 0.0017 | 0.0000604 | 0.0000542 | 0.0000268 | 0.0218 | 0.00000526 | 0.000016 | 0.000263 | 0.00163 |
| 2053 Jun | 0.00000255 | 0.931 | 0.000509 | 1.43 | 0.000697 | 0.0000261 | 0.873 | 0.000678 | 0.00169 | 0.0000493 | 0.000052 | 0.0000258 | 0.0214 | 0.00000509 | 0.0000154 | 0.000255 | 0.00156 |
| 2053 Jul | 0.00000259 | 0.954 | 0.000518 | 1.46 | 0.000705 | 0.0000265 | 0.894 | 0.000694 | 0.00174 | 0.0000483 | 0.0000529 | 0.0000263 | 0.022 | 0.00000518 | 0.0000156 | 0.000259 | 0.00159 |
| 2053 Aug | 0.00000263 | 0.96 | 0.000527 | 1.47 | 0.000752 | 0.0000271 | 0.9 | 0.0007 | 0.00175 | 0.0000484 | 0.0000537 | 0.0000267 | 0.0221 | 0.00000527 | 0.0000159 | 0.000263 | 0.00161 |
| 2053 Sep | 0.00000265 | 0.96 | 0.00053 | 1.47 | 0.000769 | 0.0000274 | 0.9 | 0.000697 | 0.00175 | 0.0000482 | 0.000054 | 0.0000269 | 0.0221 | 0.0000053 | 0.000016 | 0.000265 | 0.00162 |
| 2053 Oct | 0.00000265 | 0.958 | 0.00053 | 1.47 | 0.000773 | 0.0000274 | 0.898 | 0.000694 | 0.00174 | 0.0000519 | 0.0000542 | 0.000027 | 0.0221 | 0.0000053 | 0.0000161 | 0.000265 | 0.00163 |
| 2053 Nov | 0.00000265 | 0.958 | 0.00053 | 1.47 | 0.000775 | 0.0000274 | 0.897 | 0.000694 | 0.00173 | 0.0000566 | 0.0000544 | 0.000027 | 0.0221 | 0.0000053 | 0.0000161 | 0.000265 | 0.00163 |
| 2053 Dec | 0.00000265 | 0.957 | 0.00053 | 1.47 | 0.000775 | 0.0000274 | 0.897 | 0.000694 | 0.00173 | 0.0000566 | 0.0000544 | 0.000027 | 0.0221 | 0.0000053 | 0.0000161 | 0.000265 | 0.00163 |
| 2054 Jan | 0.00000265 | 0.957 | 0.00053 | 1.47 | 0.000775 | 0.0000274 | 0.897 | 0.000694 | 0.00173 | 0.0000566 | 0.0000544 | 0.000027 | 0.0221 | 0.0000053 | 0.0000161 | 0.000265 | 0.00163 |
| 2054 Feb | 0.00000265 | 0.957 | 0.00053 | 1.47 | 0.000775 | 0.0000274 | 0.897 | 0.000694 | 0.00173 | 0.0000566 | 0.0000544 | 0.000027 | 0.0221 | 0.0000053 | 0.0000161 | 0.000265 | 0.00163 |
| 2054 Mar | 0.00000265 | 0.957 | 0.00053 | 1.47 | 0.000775 | 0.0000274 | 0.897 | 0.000694 | 0.00173 | 0.0000566 | 0.0000544 | 0.000027 | 0.0221 | 0.0000053 | 0.0000161 | 0.000265 | 0.00163 |
| 2054 Apr | 0.00000265 | 0.958 | 0.000531 | 1.47 | 0.000776 | 0.0000274 | 0.898 | 0.000694 | 0.00174 | 0.0000566 | 0.0000545 | 0.000027 | 0.0221 | 0.00000531 | 0.0000161 | 0.000265 | 0.00163 |
| 2054 May | 0.00000267 | 0.962 | 0.000534 | 1.48 | 0.000778 | 0.0000275 | 0.902 | 0.000698 | 0.00174 | 0.0000566 | 0.0000548 | 0.0000271 | 0.0222 | 0.00000534 | 0.0000162 | 0.000267 | 0.00164 |
| 2054 Jun | 0.00000258 | 0.936 | 0.000516 | 1.44 | 0.000698 | 0.0000264 | 0.881 | 0.00069 | 0.00167 | 0.000047 | 0.0000526 | 0.0000261 | 0.0214 | 0.00000516 | 0.0000156 | 0.000258 | 0.00158 |
| 2054 Jul | 0.00000256 | 0.922 | 0.000512 | 1.42 | 0.000777 | 0.0000261 | 0.868 | 0.000689 | 0.00165 | 0.0000441 | 0.0000521 | 0.0000259 | 0.0212 | 0.00000512 | 0.0000155 | 0.000256 | 0.00156 |
| 2054 Aug | 0.00000254 | 0.889 | 0.000509 | 1.36 | 0.00086 | 0.0000266 | 0.836 | 0.000662 | 0.00158 | 0.0000419 | 0.0000516 | 0.0000257 | 0.0205 | 0.00000509 | 0.0000156 | 0.000254 | 0.00155 |
| 2054 Sep | 0.00000253 | 0.867 | 0.000507 | 1.33 | 0.000891 | 0.000027 | 0.814 | 0.000635 | 0.00153 | 0.0000404 | 0.0000514 | 0.0000257 | 0.02 | 0.00000507 | 0.0000157 | 0.000253 | 0.00154 |
| 2054 Oct | 0.00000251 | 0.851 | 0.000501 | 1.3 | 0.00089 | 0.0000265 | 0.797 | 0.000619 | 0.00147 | 0.0000784 | 0.0000526 | 0.0000256 | 0.0198 | 0.00000501 | 0.0000155 | 0.000251 | 0.00158 |
| 2054 Nov | 0.0000025 | 0.85 | 0.0005 | 1.3 | 0.000891 | 0.0000265 | 0.795 | 0.000619 | 0.00145 | 0.0000981 | 0.0000534 | 0.0000255 | 0.0198 | 0.000005 | 0.0000155 | 0.00025 | 0.0016 |
| 2054 Dec | 0.0000025 | 0.85 | 0.0005 | 1.3 | 0.000891 | 0.0000265 | 0.795 | 0.000619 | 0.00145 | 0.0000981 | 0.0000534 | 0.0000255 | 0.0198 | 0.000005 | 0.0000155 | 0.00025 | 0.0016 |
| 2055 Jan | 0.0000025 | 0.85 | 0.0005 | 1.3 | 0.000891 | 0.0000265 | 0.795 | 0.000619 | 0.00145 | 0.0000981 | 0.0000534 | 0.0000255 | 0.0198 | 0.000005 | 0.0000155 | 0.00025 | 0.0016 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 0.0000025 | 0.85 | 0.0005 | 1.3 | 0.000891 | 0.0000265 | 0.795 | 0.000619 | 0.00145 | 0.0000981 | 0.0000534 | 0.0000255 | 0.0198 | 0.000005 | 0.0000155 | 0.00025 | 0.0016 |
| 2055 Mar | 0.0000025 | 0.85 | 0.0005 | 1.3 | 0.000891 | 0.0000265 | 0.795 | 0.000619 | 0.00145 | 0.0000981 | 0.0000534 | 0.0000255 | 0.0198 | 0.000005 | 0.0000155 | 0.00025 | 0.0016 |
| 2055 Apr | 0.0000025 | 0.851 | 0.000501 | 1.3 | 0.000891 | 0.0000265 | 0.795 | 0.000619 | 0.00145 | 0.0000981 | 0.0000535 | 0.0000256 | 0.0198 | 0.00000501 | 0.0000155 | 0.00025 | 0.0016 |
| 2055 May | 0.00000252 | 0.855 | 0.000503 | 1.31 | 0.000895 | 0.0000266 | 0.799 | 0.000622 | 0.00146 | 0.0000986 | 0.0000537 | 0.0000257 | 0.0199 | 0.00000503 | 0.0000156 | 0.000252 | 0.00161 |
| 2055 Jun | 0.00000248 | 0.887 | 0.000497 | 1.36 | 0.000782 | 0.0000259 | 0.827 | 0.00064 | 0.0016 | 0.0000802 | 0.0000523 | 0.0000252 | 0.0206 | 0.00000497 | 0.0000152 | 0.000248 | 0.00157 |
| 2055 Jul | 0.0000025 | 0.907 | 0.000501 | 1.39 | 0.000779 | 0.0000259 | 0.846 | 0.000657 | 0.00166 | 0.0000716 | 0.0000522 | 0.0000254 | 0.0211 | 0.00000501 | 0.0000152 | 0.00025 | 0.00157 |
| 2055 Aug | 0.00000252 | 0.899 | 0.000505 | 1.38 | 0.000863 | 0.0000263 | 0.839 | 0.000658 | 0.00164 | 0.0000695 | 0.0000525 | 0.0000255 | 0.0209 | 0.00000505 | 0.0000154 | 0.000252 | 0.00158 |
| 2055 Sep | 0.00000251 | 0.876 | 0.000502 | 1.34 | 0.000887 | 0.0000265 | 0.817 | 0.000631 | 0.00159 | 0.0000658 | 0.0000521 | 0.0000256 | 0.0204 | 0.00000502 | 0.0000154 | 0.000251 | 0.00156 |
| 2055 Oct | 0.00000251 | 0.869 | 0.000502 | 1.33 | 0.000891 | 0.0000264 | 0.811 | 0.00062 | 0.00157 | 0.0000653 | 0.000052 | 0.0000257 | 0.0203 | 0.00000502 | 0.0000154 | 0.000251 | 0.00156 |
| 2055 Nov | 0.00000251 | 0.867 | 0.000502 | 1.33 | 0.00089 | 0.0000264 | 0.81 | 0.000618 | 0.00157 | 0.0000655 | 0.000052 | 0.0000257 | 0.0203 | 0.00000502 | 0.0000154 | 0.000251 | 0.00156 |
| 2055 Dec | 0.00000251 | 0.867 | 0.000502 | 1.33 | 0.00089 | 0.0000264 | 0.809 | 0.000617 | 0.00157 | 0.0000654 | 0.000052 | 0.0000257 | 0.0203 | 0.00000502 | 0.0000154 | 0.000251 | 0.00156 |
| 2056 Jan | 0.00000251 | 0.867 | 0.000502 | 1.33 | 0.00089 | 0.0000264 | 0.809 | 0.000617 | 0.00157 | 0.0000654 | 0.000052 | 0.0000257 | 0.0203 | 0.00000502 | 0.0000154 | 0.000251 | 0.00156 |
| 2056 Feb | 0.00000251 | 0.867 | 0.000502 | 1.33 | 0.00089 | 0.0000264 | 0.809 | 0.000617 | 0.00157 | 0.0000654 | 0.000052 | 0.0000257 | 0.0203 | 0.00000502 | 0.0000154 | 0.000251 | 0.00156 |
| 2056 Mar | 0.00000251 | 0.867 | 0.000502 | 1.33 | 0.00089 | 0.0000264 | 0.81 | 0.000617 | 0.00157 | 0.0000654 | 0.000052 | 0.0000257 | 0.0203 | 0.00000502 | 0.0000154 | 0.000251 | 0.00156 |
| 2056 Apr | 0.00000251 | 0.867 | 0.000502 | 1.33 | 0.00089 | 0.0000264 | 0.81 | 0.000618 | 0.00157 | 0.0000654 | 0.0000521 | 0.0000257 | 0.0203 | 0.00000502 | 0.0000154 | 0.000251 | 0.00156 |
| 2056 May | 0.00000252 | 0.867 | 0.000504 | 1.33 | 0.000879 | 0.0000264 | 0.812 | 0.000624 | 0.00154 | 0.0000635 | 0.0000522 | 0.0000258 | 0.0202 | 0.00000504 | 0.0000155 | 0.000252 | 0.00156 |
| 2056 Jun | 0.00000246 | 0.846 | 0.000492 | 1.3 | 0.000765 | 0.0000254 | 0.802 | 0.000635 | 0.00142 | 0.00005 | 0.0000504 | 0.000025 | 0.0193 | 0.00000492 | 0.0000151 | 0.000246 | 0.00151 |
| 2056 Jul | 0.0000025 | 0.866 | 0.000501 | 1.33 | 0.000779 | 0.0000258 | 0.82 | 0.000649 | 0.00147 | 0.0000495 | 0.0000512 | 0.0000254 | 0.0198 | 0.00000501 | 0.0000153 | 0.00025 | 0.00154 |
| 2056 Aug | 0.00000255 | 0.878 | 0.00051 | 1.35 | 0.000822 | 0.0000264 | 0.832 | 0.000661 | 0.00149 | 0.00005 | 0.0000522 | 0.0000259 | 0.0201 | 0.0000051 | 0.0000156 | 0.000255 | 0.00157 |
| 2056 Sep | 0.00000257 | 0.88 | 0.000514 | 1.35 | 0.000834 | 0.0000266 | 0.833 | 0.000658 | 0.00149 | 0.0000499 | 0.0000525 | 0.0000262 | 0.0201 | 0.00000514 | 0.0000158 | 0.000257 | 0.00158 |
| 2056 Oct | 0.00000255 | 0.867 | 0.00051 | 1.34 | 0.000837 | 0.0000263 | 0.819 | 0.000644 | 0.00145 | 0.0000754 | 0.0000533 | 0.0000261 | 0.0199 | 0.0000051 | 0.0000156 | 0.000255 | 0.0016 |
| 2056 Nov | 0.00000255 | 0.867 | 0.000509 | 1.34 | 0.000839 | 0.0000263 | 0.819 | 0.000644 | 0.00145 | 0.0000818 | 0.0000536 | 0.0000261 | 0.02 | 0.00000509 | 0.0000156 | 0.000255 | 0.00161 |
| 2056 Dec | 0.00000255 | 0.867 | 0.00051 | 1.34 | 0.000839 | 0.0000263 | 0.819 | 0.000644 | 0.00145 | 0.0000818 | 0.0000536 | 0.0000261 | 0.0199 | 0.0000051 | 0.0000156 | 0.000255 | 0.00161 |
| 2057 Jan | 0.00000255 | 0.867 | 0.00051 | 1.34 | 0.000839 | 0.0000263 | 0.819 | 0.000644 | 0.00145 | 0.0000818 | 0.0000536 | 0.0000261 | 0.0199 | 0.0000051 | 0.0000156 | 0.000255 | 0.00161 |
| 2057 Feb | 0.00000255 | 0.867 | 0.00051 | 1.34 | 0.000839 | 0.0000263 | 0.819 | 0.000644 | 0.00145 | 0.0000818 | 0.0000536 | 0.0000261 | 0.0199 | 0.0000051 | 0.0000156 | 0.000255 | 0.00161 |
| 2057 Mar | 0.00000255 | 0.867 | 0.00051 | 1.34 | 0.000839 | 0.0000263 | 0.819 | 0.000644 | 0.00145 | 0.0000818 | 0.0000536 | 0.0000261 | 0.02 | 0.0000051 | 0.0000156 | 0.000255 | 0.00161 |
| 2057 Apr | 0.00000255 | 0.868 | 0.00051 | 1.34 | 0.000839 | 0.0000263 | 0.82 | 0.000644 | 0.00145 | 0.0000818 | 0.0000536 | 0.0000261 | 0.02 | 0.0000051 | 0.0000156 | 0.000255 | 0.00161 |
| 2057 May | 0.00000256 | 0.868 | 0.000512 | 1.34 | 0.000831 | 0.0000263 | 0.821 | 0.000649 | 0.00143 | 0.0000791 | 0.0000536 | 0.0000262 | 0.0199 | 0.00000512 | 0.0000157 | 0.000256 | 0.00161 |
| 2057 Jun | 0.00000252 | 0.858 | 0.000504 | 1.33 | 0.000763 | 0.0000258 | 0.818 | 0.000656 | 0.00139 | 0.0000657 | 0.0000523 | 0.0000257 | 0.0195 | 0.00000504 | 0.0000155 | 0.000252 | 0.00157 |
| 2057 Jul | 0.00000256 | 0.871 | 0.000512 | 1.34 | 0.000812 | 0.0000262 | 0.829 | 0.000668 | 0.00142 | 0.0000648 | 0.0000531 | 0.0000261 | 0.0198 | 0.00000512 | 0.0000157 | 0.000256 | 0.00159 |
| 2057 Aug | 0.00000261 | 0.88 | 0.000522 | 1.36 | 0.000871 | 0.0000268 | 0.838 | 0.000678 | 0.00143 | 0.0000648 | 0.000054 | 0.0000265 | 0.02 | 0.00000522 | 0.0000161 | 0.000261 | 0.00162 |
| 2057 Sep | 0.0000026 | 0.865 | 0.00052 | 1.34 | 0.000882 | 0.0000267 | 0.824 | 0.000655 | 0.0014 | 0.0000624 | 0.0000537 | 0.0000267 | 0.0198 | 0.0000052 | 0.000016 | 0.00026 | 0.00161 |
| 2057 Oct | 0.00000258 | 0.852 | 0.000517 | 1.32 | 0.000885 | 0.0000265 | 0.811 | 0.000637 | 0.00138 | 0.000071 | 0.0000538 | 0.0000267 | 0.0196 | 0.00000517 | 0.0000159 | 0.000258 | 0.00161 |
| 2057 Nov | 0.00000258 | 0.853 | 0.000517 | 1.32 | 0.000886 | 0.0000265 | 0.812 | 0.000637 | 0.00138 | 0.0000732 | 0.0000539 | 0.0000267 | 0.0196 | 0.00000517 | 0.0000159 | 0.000258 | 0.00162 |
| 2057 Dec | 0.00000258 | 0.853 | 0.000517 | 1.32 | 0.000886 | 0.0000265 | 0.812 | 0.000637 | 0.00138 | 0.0000732 | 0.0000539 | 0.0000268 | 0.0196 | 0.00000517 | 0.0000159 | 0.000258 | 0.00162 |
| 2058 Jan | 0.00000258 | 0.853 | 0.000517 | 1.32 | 0.000886 | 0.0000265 | 0.812 | 0.000637 | 0.00138 | 0.0000732 | 0.0000539 | 0.0000268 | 0.0196 | 0.00000517 | 0.0000159 | 0.000258 | 0.00162 |
| 2058 Feb | 0.00000258 | 0.853 | 0.000517 | 1.32 | 0.000886 | 0.0000265 | 0.812 | 0.000637 | 0.00138 | 0.0000732 | 0.0000539 | 0.0000268 | 0.0196 | 0.00000517 | 0.0000159 | 0.000258 | 0.00162 |
| 2058 Mar | 0.00000258 | 0.853 | 0.000517 | 1.32 | 0.000886 | 0.0000265 | 0.812 | 0.000637 | 0.00138 | 0.0000732 | 0.0000539 | 0.0000268 | 0.0196 | 0.00000517 | 0.0000159 | 0.000258 | 0.00162 |
| 2058 Apr | 0.00000259 | 0.854 | 0.000517 | 1.32 | 0.000887 | 0.0000265 | 0.812 | 0.000638 | 0.00138 | 0.0000732 | 0.0000539 | 0.0000268 | 0.0196 | 0.00000517 | 0.0000159 | 0.000259 | 0.00162 |
| 2058 May | 0.00000259 | 0.855 | 0.000519 | 1.32 | 0.000878 | 0.0000266 | 0.815 | 0.000643 | 0.00137 | 0.0000713 | 0.000054 | 0.0000268 | 0.0196 | 0.00000519 | 0.000016 | 0.000259 | 0.00162 |
| 2058 Jun | 0.00000252 | 0.849 | 0.000504 | 1.31 | 0.000764 | 0.0000256 | 0.812 | 0.000649 | 0.00136 | 0.000056 | 0.0000518 | 0.0000258 | 0.0192 | 0.00000504 | 0.0000154 | 0.000252 | 0.00155 |
| 2058 Jul | 0.00000257 | 0.872 | 0.000514 | 1.35 | 0.000778 | 0.0000261 | 0.833 | 0.000666 | 0.00141 | 0.0000556 | 0.0000527 | 0.0000262 | 0.0198 | 0.00000514 | 0.0000157 | 0.000257 | 0.00158 |
| 2058 Aug | 0.00000261 | 0.884 | 0.000523 | 1.37 | 0.000816 | 0.0000267 | 0.844 | 0.000675 | 0.00143 | 0.0000561 | 0.0000537 | 0.0000267 | 0.02 | 0.00000523 | 0.000016 | 0.000261 | 0.00161 |
| 2058 Sep | 0.00000259 | 0.86 | 0.000518 | 1.33 | 0.000828 | 0.0000264 | 0.822 | 0.000641 | 0.00139 | 0.0000534 | 0.0000531 | 0.0000269 | 0.0196 | 0.00000518 | 0.0000159 | 0.000259 | 0.00159 |
| 2058 Oct | 0.00000257 | 0.845 | 0.000514 | 1.31 | 0.000837 | 0.0000262 | 0.807 | 0.000619 | 0.00136 | 0.0000624 | 0.0000531 | 0.000027 | 0.0194 | 0.00000514 | 0.0000158 | 0.000257 | 0.00159 |
| 2058 Nov | 0.00000257 | 0.845 | 0.000514 | 1.31 | 0.000838 | 0.0000262 | 0.807 | 0.000619 | 0.00135 | 0.000068 | 0.0000534 | 0.000027 | 0.0194 | 0.00000514 | 0.0000158 | 0.000257 | 0.0016 |
| 2058 Dec | 0.00000257 | 0.845 | 0.000514 | 1.31 | 0.000838 | 0.0000262 | 0.807 | 0.000619 | 0.00135 | 0.000068 | 0.0000534 | 0.000027 | 0.0194 | 0.00000514 | 0.0000158 | 0.000257 | 0.0016 |
| 2059 Jan | 0.00000257 | 0.845 | 0.000514 | 1.31 | 0.000838 | 0.0000262 | 0.807 | 0.000619 | 0.00135 | 0.000068 | 0.0000534 | 0.000027 | 0.0194 | 0.00000514 | 0.0000158 | 0.000257 | 0.0016 |
| 2059 Feb | 0.00000257 | 0.845 | 0.000514 | 1.31 | 0.000838 | 0.0000262 | 0.807 | 0.000619 | 0.00135 | 0.000068 | 0.0000534 | 0.000027 | 0.0194 | 0.00000514 | 0.0000158 | 0.000257 | 0.0016 |
| 2059 Mar | 0.00000257 | 0.845 | 0.000514 | 1.31 | 0.000838 | 0.0000262 | 0.807 | 0.000619 | 0.00135 | 0.000068 | 0.0000534 | 0.000027 | 0.0194 | 0.00000514 | 0.0000158 | 0.000257 | 0.0016 |
| 2059 Apr | 0.00000257 | 0.846 | 0.000515 | 1.31 | 0.000839 | 0.0000262 | 0.807 | 0.000619 | 0.00136 | 0.0000681 | 0.0000534 | 0.000027 | 0.0194 | 0.00000515 | 0.0000158 | 0.000257 | 0.0016 |
| 2059 May | 0.00000258 | 0.849 | 0.000517 | 1.31 | 0.000835 | 0.0000263 | 0.811 | 0.000625 | 0.00135 | 0.0000668 | 0.0000536 | 0.000027 | 0.0194 | 0.00000517 | 0.0000158 | 0.000258 | 0.00161 |
| 2059 Jun | 0.00000255 | 0.845 | 0.000511 | 1.31 | 0.000775 | 0.0000259 | 0.811 | 0.000638 | 0.00132 | 0.0000574 | 0.0000525 | 0.0000265 | 0.0192 | 0.00000511 | 0.0000156 | 0.000255 | 0.00158 |
| 2059 Jul | 0.00000261 | 0.867 | 0.000522 | 1.34 | 0.000799 | 0.0000264 | 0.831 | 0.000654 | 0.00137 | 0.0000576 | 0.0000536 | 0.000027 | 0.0197 | 0.00000522 | 0.000016 | 0.000261 | 0.00161 |
| 2059 Aug | 0.00000265 | 0.876 | 0.000529 | 1.36 | 0.000839 | 0.0000269 | 0.839 | 0.000663 | 0.00138 | 0.0000578 | 0.0000544 | 0.0000274 | 0.0199 | 0.00000529 | 0.0000162 | 0.000265 | 0.00163 |
| 2059 Sep | 0.00000263 | 0.862 | 0.000527 | 1.34 | 0.000852 | 0.0000269 | 0.826 | 0.000643 | 0.00136 | 0.000056 | 0.0000541 | 0.0000275 | 0.0197 | 0.00000527 | 0.0000162 | 0.000263 | 0.00162 |
| 2059 Oct | 0.0000026 | 0.843 | 0.00052 | 1.31 | 0.00086 | 0.0000265 | 0.805 | 0.000617 | 0.00131 | 0.0000863 | 0.0000548 | 0.0000274 | 0.0194 | 0.0000052 | 0.000016 | 0.00026 | 0.00164 |
| 2059 Nov | 0.0000026 | 0.844 | 0.00052 | 1.31 | 0.000862 | 0.0000265 | 0.805 | 0.000618 | 0.00131 | 0.0000913 | 0.0000551 | 0.0000274 | 0.0194 | 0.0000052 | 0.000016 | 0.00026 | 0.00165 |
| 2059 Dec | 0.0000026 | 0.844 | 0.00052 | 1.31 | 0.000862 | 0.0000265 | 0.805 | 0.000618 | 0.00131 | 0.0000913 | 0.0000551 | 0.0000274 | 0.0194 | 0.0000052 | 0.000016 | 0.00026 | 0.00165 |
| 2060 Jan | 0.0000026 | 0.844 | 0.00052 | 1.31 | 0.000862 | 0.0000265 | 0.805 | 0.000618 | 0.00131 | 0.0000913 | 0.0000551 | 0.0000274 | 0.0194 | 0.0000052 | 0.000016 | 0.00026 | 0.00165 |
| 2060 Feb | 0.0000026 | 0.844 | 0.00052 | 1.31 | 0.000862 | 0.0000265 | 0.805 | 0.000618 | 0.00131 | 0.0000913 | 0.0000551 | 0.0000274 | 0.0194 | 0.0000052 | 0.000016 | 0.00026 | 0.00165 |
| 2060 Mar | 0.0000026 | 0.844 | 0.00052 | 1.31 | 0.000862 | 0.0000265 | 0.805 | 0.000618 | 0.00131 | 0.0000913 | 0.0000551 | 0.0000274 | 0.0194 | 0.0000052 | 0.000016 | 0.00026 | 0.00165 |
| 2060 Apr | 0.00000261 | 0.845 | 0.000521 | 1.31 | 0.000863 | 0.0000265 | 0.806 | 0.000618 | 0.00131 | 0.0000914 | 0.0000551 | 0.0000274 | 0.0194 | 0.00000521 | 0.000016 | 0.000261 | 0.00165 |
| 2060 May | 0.00000259 | 0.838 | 0.000517 | 1.3 | 0.000825 | 0.0000263 | 0.804 | 0.000629 | 0.00127 | 0.0000815 | 0.0000543 | 0.000027 | 0.0191 | 0.00000517 | 0.0000159 | 0.000259 | 0.00163 |
| 2060 Jun | 0.00000255 | 0.83 | 0.000511 | 1.29 | 0.000777 | 0.0000259 | 0.8 | 0.000636 | 0.00123 | 0.0000704 | 0.0000531 | 0.0000265 | 0.0187 | 0.00000511 | 0.0000157 | 0.000255 | 0.00159 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 0.00000261 | 0.848 | 0.000521 | 1.32 | 0.000813 | 0.0000264 | 0.816 | 0.000652 | 0.00127 | 0.0000705 | 0.0000542 | 0.000027 | 0.0191 | 0.00000521 | 0.000016 | 0.000261 | 0.00163 |
| 2060 Aug | 0.0000026 | 0.833 | 0.00052 | 1.29 | 0.000903 | 0.0000266 | 0.801 | 0.000645 | 0.00125 | 0.0000672 | 0.000054 | 0.0000269 | 0.0189 | 0.0000052 | 0.0000161 | 0.00026 | 0.00162 |
| 2060 Sep | 0.00000256 | 0.8 | 0.000511 | 1.24 | 0.000932 | 0.0000268 | 0.767 | 0.0006 | 0.00121 | 0.0000612 | 0.0000528 | 0.0000266 | 0.0183 | 0.00000511 | 0.000016 | 0.000256 | 0.00158 |
| 2060 Oct | 0.00000254 | 0.79 | 0.000508 | 1.22 | 0.000932 | 0.0000265 | 0.757 | 0.000582 | 0.00119 | 0.000071 | 0.0000529 | 0.0000267 | 0.0181 | 0.00000508 | 0.0000159 | 0.000254 | 0.00159 |
| 2060 Nov | 0.00000254 | 0.79 | 0.000508 | 1.22 | 0.000932 | 0.0000265 | 0.757 | 0.000583 | 0.00119 | 0.0000748 | 0.0000531 | 0.0000267 | 0.0182 | 0.00000508 | 0.0000159 | 0.000254 | 0.00159 |
| 2060 Dec | 0.00000254 | 0.79 | 0.000508 | 1.22 | 0.000933 | 0.0000265 | 0.757 | 0.000583 | 0.00119 | 0.0000748 | 0.0000531 | 0.0000267 | 0.0182 | 0.00000508 | 0.0000159 | 0.000254 | 0.00159 |
| 2061 Jan | 0.00000254 | 0.79 | 0.000508 | 1.22 | 0.000932 | 0.0000265 | 0.757 | 0.000583 | 0.00119 | 0.0000748 | 0.0000531 | 0.0000267 | 0.0182 | 0.00000508 | 0.0000159 | 0.000254 | 0.00159 |
| 2061 Feb | 0.00000254 | 0.79 | 0.000508 | 1.22 | 0.000932 | 0.0000265 | 0.757 | 0.000583 | 0.00119 | 0.0000748 | 0.0000531 | 0.0000267 | 0.0182 | 0.00000508 | 0.0000159 | 0.000254 | 0.00159 |
| 2061 Mar | 0.00000254 | 0.79 | 0.000508 | 1.22 | 0.000932 | 0.0000265 | 0.757 | 0.000583 | 0.00119 | 0.0000748 | 0.0000531 | 0.0000267 | 0.0182 | 0.00000508 | 0.0000159 | 0.000254 | 0.00159 |
| 2061 Apr | 0.00000255 | 0.792 | 0.000509 | 1.22 | 0.000934 | 0.0000266 | 0.758 | 0.000583 | 0.00119 | 0.0000749 | 0.0000532 | 0.0000267 | 0.0182 | 0.00000509 | 0.0000159 | 0.000255 | 0.0016 |
| 2061 May | 0.00000256 | 0.796 | 0.000511 | 1.23 | 0.000922 | 0.0000266 | 0.763 | 0.000592 | 0.00118 | 0.0000727 | 0.0000533 | 0.0000268 | 0.0182 | 0.00000511 | 0.000016 | 0.000256 | 0.0016 |
| 2061 Jun | 0.00000246 | 0.803 | 0.000492 | 1.24 | 0.000769 | 0.0000253 | 0.771 | 0.000611 | 0.00123 | 0.0000543 | 0.0000506 | 0.0000254 | 0.0181 | 0.00000492 | 0.0000152 | 0.000246 | 0.00152 |
| 2061 Jul | 0.00000249 | 0.818 | 0.000497 | 1.27 | 0.000819 | 0.0000255 | 0.784 | 0.000626 | 0.00128 | 0.000052 | 0.000051 | 0.0000256 | 0.0185 | 0.00000497 | 0.0000153 | 0.000249 | 0.00153 |
| 2061 Aug | 0.00000252 | 0.824 | 0.000505 | 1.28 | 0.000869 | 0.000026 | 0.79 | 0.000634 | 0.00129 | 0.000052 | 0.0000517 | 0.0000259 | 0.0187 | 0.00000505 | 0.0000156 | 0.000252 | 0.00155 |
| 2061 Sep | 0.00000253 | 0.819 | 0.000506 | 1.27 | 0.000883 | 0.0000262 | 0.784 | 0.000624 | 0.00128 | 0.0000511 | 0.0000517 | 0.000026 | 0.0186 | 0.00000506 | 0.0000157 | 0.000253 | 0.00155 |
| 2061 Oct | 0.00000251 | 0.81 | 0.000502 | 1.25 | 0.000884 | 0.0000259 | 0.773 | 0.00061 | 0.00126 | 0.0000758 | 0.0000525 | 0.000026 | 0.0185 | 0.00000502 | 0.0000156 | 0.000251 | 0.00158 |
| 2061 Nov | 0.00000251 | 0.811 | 0.000502 | 1.25 | 0.000885 | 0.0000259 | 0.773 | 0.000611 | 0.00126 | 0.0000835 | 0.0000529 | 0.000026 | 0.0186 | 0.00000502 | 0.0000156 | 0.000251 | 0.00159 |
| 2061 Dec | 0.00000251 | 0.811 | 0.000502 | 1.25 | 0.000885 | 0.0000259 | 0.773 | 0.000611 | 0.00126 | 0.0000835 | 0.0000529 | 0.000026 | 0.0186 | 0.00000502 | 0.0000156 | 0.000251 | 0.00159 |
| 2062 Jan | 0.00000251 | 0.811 | 0.000502 | 1.25 | 0.000885 | 0.0000259 | 0.773 | 0.000611 | 0.00126 | 0.0000835 | 0.0000529 | 0.000026 | 0.0186 | 0.00000502 | 0.0000156 | 0.000251 | 0.00159 |
| 2062 Feb | 0.00000251 | 0.811 | 0.000502 | 1.25 | 0.000885 | 0.0000259 | 0.773 | 0.000611 | 0.00126 | 0.0000835 | 0.0000529 | 0.000026 | 0.0186 | 0.00000502 | 0.0000156 | 0.000251 | 0.00159 |
| 2062 Mar | 0.00000251 | 0.811 | 0.000502 | 1.25 | 0.000885 | 0.0000259 | 0.773 | 0.000611 | 0.00126 | 0.0000835 | 0.0000529 | 0.000026 | 0.0186 | 0.00000502 | 0.0000156 | 0.000251 | 0.00159 |
| 2062 Apr | 0.00000251 | 0.811 | 0.000502 | 1.25 | 0.000886 | 0.0000259 | 0.773 | 0.000611 | 0.00126 | 0.0000836 | 0.0000529 | 0.000026 | 0.0186 | 0.00000502 | 0.0000156 | 0.000251 | 0.00159 |
| 2062 May | 0.00000252 | 0.814 | 0.000504 | 1.26 | 0.000889 | 0.000026 | 0.776 | 0.000614 | 0.00126 | 0.0000839 | 0.0000531 | 0.0000261 | 0.0187 | 0.00000504 | 0.0000156 | 0.000252 | 0.00159 |
| 2062 Jun | 0.00000248 | 0.854 | 0.000496 | 1.32 | 0.000772 | 0.0000254 | 0.807 | 0.000631 | 0.00144 | 0.0000686 | 0.0000516 | 0.0000254 | 0.0196 | 0.00000496 | 0.0000151 | 0.000248 | 0.00155 |
| 2062 Jul | 0.00000246 | 0.878 | 0.000493 | 1.35 | 0.000744 | 0.0000251 | 0.826 | 0.000646 | 0.00155 | 0.0000583 | 0.0000508 | 0.0000252 | 0.0202 | 0.00000493 | 0.0000149 | 0.000246 | 0.00153 |
| 2062 Aug | 0.0000025 | 0.879 | 0.000499 | 1.35 | 0.00079 | 0.0000257 | 0.827 | 0.000647 | 0.00155 | 0.0000577 | 0.0000515 | 0.0000255 | 0.0203 | 0.00000499 | 0.0000152 | 0.00025 | 0.00154 |
| 2062 Sep | 0.00000248 | 0.855 | 0.000496 | 1.31 | 0.000817 | 0.0000258 | 0.804 | 0.000616 | 0.0015 | 0.0000547 | 0.000051 | 0.0000256 | 0.0198 | 0.00000496 | 0.0000152 | 0.000248 | 0.00153 |
| 2062 Oct | 0.00000243 | 0.822 | 0.000486 | 1.26 | 0.000824 | 0.0000252 | 0.771 | 0.00058 | 0.0014 | 0.0000982 | 0.0000521 | 0.0000254 | 0.0192 | 0.00000486 | 0.0000149 | 0.000243 | 0.00156 |
| 2062 Nov | 0.00000243 | 0.822 | 0.000486 | 1.26 | 0.000825 | 0.0000251 | 0.771 | 0.000581 | 0.00139 | 0.000108 | 0.0000525 | 0.0000254 | 0.0193 | 0.00000486 | 0.0000149 | 0.000243 | 0.00158 |
| 2062 Dec | 0.00000243 | 0.823 | 0.000487 | 1.26 | 0.000825 | 0.0000251 | 0.771 | 0.000581 | 0.00139 | 0.000108 | 0.0000525 | 0.0000254 | 0.0193 | 0.00000487 | 0.0000149 | 0.000243 | 0.00158 |
| 2063 Jan | 0.00000243 | 0.822 | 0.000487 | 1.26 | 0.000825 | 0.0000251 | 0.771 | 0.000581 | 0.00139 | 0.000108 | 0.0000525 | 0.0000254 | 0.0193 | 0.00000487 | 0.0000149 | 0.000243 | 0.00158 |
| 2063 Feb | 0.00000243 | 0.823 | 0.000487 | 1.26 | 0.000825 | 0.0000251 | 0.771 | 0.000581 | 0.00139 | 0.000108 | 0.0000525 | 0.0000254 | 0.0193 | 0.00000487 | 0.0000149 | 0.000243 | 0.00158 |
| 2063 Mar | 0.00000243 | 0.823 | 0.000487 | 1.26 | 0.000825 | 0.0000251 | 0.771 | 0.000581 | 0.00139 | 0.000108 | 0.0000525 | 0.0000254 | 0.0193 | 0.00000487 | 0.0000149 | 0.000243 | 0.00158 |
| 2063 Apr | 0.00000243 | 0.823 | 0.000487 | 1.26 | 0.000826 | 0.0000252 | 0.771 | 0.000581 | 0.00139 | 0.000108 | 0.0000525 | 0.0000254 | 0.0193 | 0.00000487 | 0.0000149 | 0.000243 | 0.00158 |
| 2063 May | 0.00000245 | 0.826 | 0.000489 | 1.27 | 0.000825 | 0.0000253 | 0.775 | 0.000586 | 0.00139 | 0.000107 | 0.0000527 | 0.0000255 | 0.0193 | 0.00000489 | 0.000015 | 0.000245 | 0.00158 |
| 2063 Jun | 0.00000241 | 0.853 | 0.000481 | 1.31 | 0.00069 | 0.0000245 | 0.802 | 0.000618 | 0.00148 | 0.0000745 | 0.0000504 | 0.0000247 | 0.0197 | 0.00000481 | 0.0000146 | 0.000241 | 0.00151 |
| 2063 Jul | 0.00000243 | 0.872 | 0.000485 | 1.34 | 0.000687 | 0.0000247 | 0.819 | 0.000632 | 0.00155 | 0.0000697 | 0.0000507 | 0.0000249 | 0.0201 | 0.00000485 | 0.0000146 | 0.000243 | 0.00152 |
| 2063 Aug | 0.00000248 | 0.887 | 0.000497 | 1.36 | 0.000733 | 0.0000253 | 0.833 | 0.000645 | 0.00157 | 0.0000704 | 0.0000518 | 0.0000254 | 0.0205 | 0.00000497 | 0.000015 | 0.000248 | 0.00155 |
| 2063 Sep | 0.0000025 | 0.89 | 0.000501 | 1.37 | 0.000747 | 0.0000256 | 0.836 | 0.000645 | 0.00157 | 0.0000701 | 0.0000522 | 0.0000257 | 0.0206 | 0.00000501 | 0.0000152 | 0.00025 | 0.00156 |
| 2063 Oct | 0.0000025 | 0.889 | 0.000501 | 1.37 | 0.000752 | 0.0000256 | 0.834 | 0.000644 | 0.00156 | 0.0000805 | 0.0000527 | 0.0000257 | 0.0206 | 0.00000501 | 0.0000152 | 0.00025 | 0.00158 |
| 2063 Nov | 0.00000251 | 0.89 | 0.000502 | 1.37 | 0.000753 | 0.0000257 | 0.835 | 0.000645 | 0.00156 | 0.0000818 | 0.0000528 | 0.0000257 | 0.0206 | 0.00000502 | 0.0000152 | 0.000251 | 0.00158 |
| 2063 Dec | 0.00000251 | 0.89 | 0.000502 | 1.37 | 0.000753 | 0.0000257 | 0.835 | 0.000645 | 0.00156 | 0.0000818 | 0.0000528 | 0.0000257 | 0.0206 | 0.00000502 | 0.0000152 | 0.000251 | 0.00158 |
| 2064 Jan | 0.00000251 | 0.89 | 0.000502 | 1.37 | 0.000753 | 0.0000257 | 0.835 | 0.000645 | 0.00156 | 0.0000817 | 0.0000528 | 0.0000257 | 0.0206 | 0.00000502 | 0.0000152 | 0.000251 | 0.00158 |
| 2064 Feb | 0.00000251 | 0.89 | 0.000502 | 1.37 | 0.000753 | 0.0000257 | 0.835 | 0.000645 | 0.00156 | 0.0000817 | 0.0000528 | 0.0000257 | 0.0206 | 0.00000502 | 0.0000152 | 0.000251 | 0.00158 |
| 2064 Mar | 0.00000251 | 0.89 | 0.000502 | 1.37 | 0.000753 | 0.0000257 | 0.835 | 0.000645 | 0.00156 | 0.0000818 | 0.0000528 | 0.0000257 | 0.0206 | 0.00000502 | 0.0000152 | 0.000251 | 0.00158 |
| 2064 Apr | 0.00000251 | 0.891 | 0.000502 | 1.37 | 0.000754 | 0.0000257 | 0.835 | 0.000645 | 0.00157 | 0.0000818 | 0.0000528 | 0.0000257 | 0.0206 | 0.00000502 | 0.0000152 | 0.000251 | 0.00158 |
| 2064 May | 0.0000025 | 0.882 | 0.000501 | 1.36 | 0.000742 | 0.0000256 | 0.831 | 0.000647 | 0.00152 | 0.0000775 | 0.0000525 | 0.0000256 | 0.0203 | 0.00000501 | 0.0000152 | 0.00025 | 0.00158 |
| 2064 Jun | 0.00000248 | 0.864 | 0.000496 | 1.33 | 0.000696 | 0.0000252 | 0.821 | 0.000654 | 0.00142 | 0.0000635 | 0.0000514 | 0.0000252 | 0.0196 | 0.00000496 | 0.0000151 | 0.000248 | 0.00154 |
| 2064 Jul | 0.00000253 | 0.881 | 0.000507 | 1.36 | 0.000738 | 0.0000257 | 0.837 | 0.000669 | 0.00146 | 0.0000634 | 0.0000524 | 0.0000258 | 0.02 | 0.00000507 | 0.0000154 | 0.000253 | 0.00157 |
| 2064 Aug | 0.00000256 | 0.881 | 0.000513 | 1.36 | 0.00081 | 0.0000261 | 0.837 | 0.000675 | 0.00146 | 0.0000626 | 0.000053 | 0.0000261 | 0.0201 | 0.00000513 | 0.0000157 | 0.000256 | 0.00159 |
| 2064 Sep | 0.00000255 | 0.864 | 0.000511 | 1.33 | 0.000828 | 0.0000261 | 0.821 | 0.00065 | 0.00143 | 0.0000601 | 0.0000527 | 0.0000262 | 0.0198 | 0.00000511 | 0.0000157 | 0.000255 | 0.00158 |
| 2064 Oct | 0.00000255 | 0.86 | 0.000511 | 1.33 | 0.000834 | 0.0000261 | 0.818 | 0.000641 | 0.00142 | 0.0000596 | 0.0000527 | 0.0000264 | 0.0197 | 0.00000511 | 0.0000157 | 0.000255 | 0.00158 |
| 2064 Nov | 0.00000256 | 0.861 | 0.000512 | 1.33 | 0.000835 | 0.0000262 | 0.819 | 0.000642 | 0.00142 | 0.0000598 | 0.0000527 | 0.0000264 | 0.0197 | 0.00000512 | 0.0000157 | 0.000256 | 0.00158 |
| 2064 Dec | 0.00000256 | 0.861 | 0.000512 | 1.33 | 0.000835 | 0.0000262 | 0.819 | 0.000642 | 0.00142 | 0.0000598 | 0.0000528 | 0.0000264 | 0.0197 | 0.00000512 | 0.0000157 | 0.000256 | 0.00158 |
| 2065 Jan | 0.00000256 | 0.861 | 0.000512 | 1.33 | 0.000835 | 0.0000262 | 0.819 | 0.000642 | 0.00142 | 0.0000598 | 0.0000528 | 0.0000264 | 0.0197 | 0.00000512 | 0.0000157 | 0.000256 | 0.00158 |
| 2065 Feb | 0.00000256 | 0.861 | 0.000512 | 1.33 | 0.000835 | 0.0000262 | 0.819 | 0.000642 | 0.00142 | 0.0000598 | 0.0000528 | 0.0000264 | 0.0197 | 0.00000512 | 0.0000157 | 0.000256 | 0.00158 |
| 2065 Mar | 0.00000256 | 0.862 | 0.000512 | 1.33 | 0.000835 | 0.0000262 | 0.819 | 0.000642 | 0.00142 | 0.0000598 | 0.0000528 | 0.0000264 | 0.0197 | 0.00000512 | 0.0000157 | 0.000256 | 0.00158 |
| 2065 Apr | 0.00000256 | 0.863 | 0.000512 | 1.33 | 0.000836 | 0.0000262 | 0.82 | 0.000643 | 0.00142 | 0.0000599 | 0.0000528 | 0.0000264 | 0.0198 | 0.00000512 | 0.0000157 | 0.000256 | 0.00159 |
| 2065 May | 0.00000257 | 0.864 | 0.000514 | 1.34 | 0.000831 | 0.0000263 | 0.823 | 0.000648 | 0.00141 | 0.0000587 | 0.000053 | 0.0000265 | 0.0197 | 0.00000514 | 0.0000158 | 0.000257 | 0.00159 |
| 2065 Jun | 0.0000025 | 0.874 | 0.000501 | 1.35 | 0.000721 | 0.0000254 | 0.83 | 0.000655 | 0.00148 | 0.0000477 | 0.0000511 | 0.0000256 | 0.0199 | 0.00000501 | 0.0000152 | 0.00025 | 0.00153 |
| 2065 Jul | 0.00000255 | 0.897 | 0.000509 | 1.38 | 0.000736 | 0.0000258 | 0.851 | 0.000671 | 0.00154 | 0.0000469 | 0.0000519 | 0.000026 | 0.0205 | 0.00000509 | 0.0000154 | 0.000255 | 0.00156 |
| 2065 Aug | 0.00000259 | 0.906 | 0.000518 | 1.4 | 0.00078 | 0.0000264 | 0.859 | 0.00068 | 0.00155 | 0.0000471 | 0.0000528 | 0.0000264 | 0.0207 | 0.00000518 | 0.0000157 | 0.000259 | 0.00158 |
| 2065 Sep | 0.00000259 | 0.897 | 0.000518 | 1.38 | 0.000795 | 0.0000264 | 0.851 | 0.000666 | 0.00153 | 0.0000463 | 0.0000527 | 0.0000266 | 0.0205 | 0.00000518 | 0.0000158 | 0.000259 | 0.00158 |
| 2065 Oct | 0.00000255 | 0.873 | 0.00051 | 1.35 | 0.000803 | 0.000026 | 0.825 | 0.00064 | 0.00146 | 0.0000831 | 0.0000536 | 0.0000264 | 0.0201 | 0.0000051 | 0.0000155 | 0.000255 | 0.00161 |
| 2065 Nov | 0.00000255 | 0.872 | 0.000509 | 1.35 | 0.000805 | 0.0000259 | 0.823 | 0.00064 | 0.00145 | 0.0000954 | 0.0000542 | 0.0000263 | 0.0201 | 0.00000509 | 0.0000155 | 0.000255 | 0.00162 |

**Appendix D15. Lake A43**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 0.00000255 | 0.872 | 0.000509 | 1.35 | 0.000805 | 0.0000259 | 0.823 | 0.00064 | 0.00145 | 0.0000954 | 0.0000542 | 0.0000263 | 0.0201 | 0.00000509 | 0.0000155 | 0.000255 | 0.00162 |
| 2066 Jan | 0.00000255 | 0.872 | 0.000509 | 1.35 | 0.000805 | 0.0000259 | 0.823 | 0.00064 | 0.00145 | 0.0000954 | 0.0000542 | 0.0000263 | 0.0201 | 0.00000509 | 0.0000155 | 0.000255 | 0.00162 |
| 2066 Feb | 0.00000255 | 0.872 | 0.000509 | 1.35 | 0.000805 | 0.0000259 | 0.823 | 0.00064 | 0.00145 | 0.0000953 | 0.0000542 | 0.0000263 | 0.0201 | 0.00000509 | 0.0000155 | 0.000255 | 0.00162 |
| 2066 Mar | 0.00000255 | 0.872 | 0.000509 | 1.35 | 0.000805 | 0.0000259 | 0.823 | 0.00064 | 0.00145 | 0.0000954 | 0.0000542 | 0.0000263 | 0.0201 | 0.00000509 | 0.0000155 | 0.000255 | 0.00163 |
| 2066 Apr | 0.00000255 | 0.873 | 0.000509 | 1.35 | 0.000805 | 0.0000259 | 0.824 | 0.00064 | 0.00146 | 0.0000954 | 0.0000542 | 0.0000263 | 0.0201 | 0.00000509 | 0.0000155 | 0.000255 | 0.00163 |
| 2066 May | 0.00000255 | 0.874 | 0.000511 | 1.35 | 0.000803 | 0.000026 | 0.826 | 0.000644 | 0.00145 | 0.000094 | 0.0000543 | 0.0000264 | 0.0201 | 0.00000511 | 0.0000156 | 0.000255 | 0.00163 |
| 2066 Jun | 0.0000025 | 0.859 | 0.000501 | 1.33 | 0.000726 | 0.0000254 | 0.818 | 0.000651 | 0.00139 | 0.0000731 | 0.0000523 | 0.0000256 | 0.0195 | 0.00000501 | 0.0000153 | 0.00025 | 0.00157 |
| 2066 Jul | 0.00000259 | 0.891 | 0.000518 | 1.38 | 0.000768 | 0.0000262 | 0.848 | 0.000676 | 0.00145 | 0.0000733 | 0.000054 | 0.0000265 | 0.0203 | 0.00000518 | 0.0000158 | 0.000259 | 0.00162 |
| 2066 Aug | 0.00000262 | 0.893 | 0.000524 | 1.38 | 0.000812 | 0.0000267 | 0.849 | 0.000677 | 0.00146 | 0.0000724 | 0.0000546 | 0.0000268 | 0.0204 | 0.00000524 | 0.000016 | 0.000262 | 0.00164 |
| 2066 Sep | 0.00000262 | 0.885 | 0.000524 | 1.37 | 0.000827 | 0.0000268 | 0.841 | 0.000663 | 0.00144 | 0.0000706 | 0.0000545 | 0.000027 | 0.0202 | 0.00000524 | 0.0000161 | 0.000262 | 0.00163 |
| 2066 Oct | 0.0000026 | 0.868 | 0.00052 | 1.34 | 0.000835 | 0.0000266 | 0.824 | 0.00064 | 0.0014 | 0.0000853 | 0.0000547 | 0.000027 | 0.0199 | 0.0000052 | 0.0000159 | 0.00026 | 0.00164 |
| 2066 Nov | 0.00000259 | 0.867 | 0.000518 | 1.34 | 0.000837 | 0.0000265 | 0.821 | 0.000639 | 0.00139 | 0.000102 | 0.0000554 | 0.0000269 | 0.02 | 0.00000518 | 0.0000159 | 0.000259 | 0.00166 |
| 2066 Dec | 0.00000259 | 0.867 | 0.000518 | 1.34 | 0.000837 | 0.0000265 | 0.821 | 0.000639 | 0.00139 | 0.000102 | 0.0000554 | 0.0000269 | 0.02 | 0.00000518 | 0.0000159 | 0.000259 | 0.00166 |
| 2067 Jan | 0.00000259 | 0.867 | 0.000518 | 1.34 | 0.000837 | 0.0000265 | 0.821 | 0.000639 | 0.00139 | 0.000102 | 0.0000554 | 0.0000269 | 0.02 | 0.00000518 | 0.0000159 | 0.000259 | 0.00166 |
| 2067 Feb | 0.00000259 | 0.867 | 0.000519 | 1.34 | 0.000837 | 0.0000265 | 0.821 | 0.000639 | 0.00139 | 0.000102 | 0.0000554 | 0.0000269 | 0.02 | 0.00000519 | 0.0000159 | 0.000259 | 0.00166 |
| 2067 Mar | 0.00000259 | 0.867 | 0.000519 | 1.34 | 0.000837 | 0.0000265 | 0.821 | 0.00064 | 0.00139 | 0.000102 | 0.0000554 | 0.0000269 | 0.02 | 0.00000519 | 0.0000159 | 0.000259 | 0.00166 |
| 2067 Apr | 0.00000259 | 0.867 | 0.000519 | 1.34 | 0.000838 | 0.0000265 | 0.822 | 0.00064 | 0.00139 | 0.000102 | 0.0000554 | 0.0000269 | 0.02 | 0.00000519 | 0.0000159 | 0.000259 | 0.00166 |
| 2067 May | 0.0000026 | 0.869 | 0.000521 | 1.34 | 0.000829 | 0.0000266 | 0.825 | 0.000647 | 0.00138 | 0.0000977 | 0.0000554 | 0.000027 | 0.0199 | 0.00000521 | 0.000016 | 0.00026 | 0.00166 |
| 2067 Jun | 0.00000255 | 0.856 | 0.000509 | 1.32 | 0.000757 | 0.0000259 | 0.817 | 0.000651 | 0.00134 | 0.0000791 | 0.0000534 | 0.0000262 | 0.0194 | 0.00000509 | 0.0000156 | 0.000255 | 0.0016 |
| 2067 Jul | 0.00000261 | 0.878 | 0.000522 | 1.36 | 0.000805 | 0.0000265 | 0.838 | 0.000671 | 0.00139 | 0.0000788 | 0.0000547 | 0.0000268 | 0.0199 | 0.00000522 | 0.000016 | 0.000261 | 0.00164 |
| 2067 Aug | 0.00000261 | 0.857 | 0.000523 | 1.33 | 0.000959 | 0.0000267 | 0.818 | 0.000668 | 0.00135 | 0.0000737 | 0.0000545 | 0.0000267 | 0.0195 | 0.00000523 | 0.0000162 | 0.000261 | 0.00163 |
| 2067 Sep | 0.00000263 | 0.857 | 0.000525 | 1.33 | 0.000973 | 0.000027 | 0.817 | 0.000664 | 0.00135 | 0.0000728 | 0.0000547 | 0.0000269 | 0.0196 | 0.00000525 | 0.0000163 | 0.000263 | 0.00164 |
| 2067 Oct | 0.00000261 | 0.851 | 0.000523 | 1.32 | 0.00097 | 0.0000268 | 0.811 | 0.000657 | 0.00134 | 0.0000856 | 0.000055 | 0.0000268 | 0.0195 | 0.00000523 | 0.0000162 | 0.000261 | 0.00165 |
| 2067 Nov | 0.00000261 | 0.852 | 0.000523 | 1.32 | 0.000971 | 0.0000268 | 0.811 | 0.000657 | 0.00134 | 0.0000889 | 0.0000552 | 0.0000269 | 0.0195 | 0.00000523 | 0.0000162 | 0.000261 | 0.00166 |
| 2067 Dec | 0.00000261 | 0.852 | 0.000523 | 1.32 | 0.000971 | 0.0000268 | 0.811 | 0.000657 | 0.00134 | 0.0000889 | 0.0000552 | 0.0000269 | 0.0195 | 0.00000523 | 0.0000162 | 0.000261 | 0.00166 |
| 2068 Jan | 0.00000261 | 0.852 | 0.000523 | 1.32 | 0.000971 | 0.0000268 | 0.811 | 0.000657 | 0.00134 | 0.0000889 | 0.0000552 | 0.0000269 | 0.0195 | 0.00000523 | 0.0000162 | 0.000261 | 0.00166 |
| 2068 Feb | 0.00000261 | 0.852 | 0.000523 | 1.32 | 0.000971 | 0.0000268 | 0.811 | 0.000657 | 0.00134 | 0.0000889 | 0.0000552 | 0.0000269 | 0.0195 | 0.00000523 | 0.0000162 | 0.000261 | 0.00166 |
| 2068 Mar | 0.00000262 | 0.852 | 0.000523 | 1.32 | 0.000971 | 0.0000268 | 0.812 | 0.000657 | 0.00134 | 0.000089 | 0.0000552 | 0.0000269 | 0.0195 | 0.00000523 | 0.0000162 | 0.000262 | 0.00166 |
| 2068 Apr | 0.00000262 | 0.854 | 0.000524 | 1.32 | 0.000973 | 0.0000269 | 0.813 | 0.000659 | 0.00134 | 0.0000891 | 0.0000553 | 0.0000269 | 0.0195 | 0.00000524 | 0.0000162 | 0.000262 | 0.00166 |
| 2068 May | 0.00000262 | 0.851 | 0.000523 | 1.32 | 0.000948 | 0.0000268 | 0.813 | 0.000662 | 0.00132 | 0.0000845 | 0.0000551 | 0.0000268 | 0.0194 | 0.00000523 | 0.0000162 | 0.000262 | 0.00165 |
| 2068 Jun | 0.0000025 | 0.829 | 0.000501 | 1.29 | 0.000802 | 0.0000254 | 0.796 | 0.000655 | 0.00127 | 0.0000633 | 0.0000519 | 0.0000255 | 0.0186 | 0.00000501 | 0.0000154 | 0.00025 | 0.00156 |
| 2068 Jul | 0.00000256 | 0.855 | 0.000513 | 1.33 | 0.000821 | 0.000026 | 0.82 | 0.000673 | 0.00133 | 0.0000631 | 0.000053 | 0.0000261 | 0.0193 | 0.00000513 | 0.0000158 | 0.000256 | 0.00159 |
| 2068 Aug | 0.00000262 | 0.87 | 0.000524 | 1.35 | 0.000857 | 0.0000268 | 0.834 | 0.000684 | 0.00135 | 0.0000637 | 0.0000542 | 0.0000266 | 0.0196 | 0.00000524 | 0.0000162 | 0.000262 | 0.00162 |
| 2068 Sep | 0.00000262 | 0.864 | 0.000525 | 1.34 | 0.000872 | 0.0000269 | 0.828 | 0.000672 | 0.00134 | 0.0000624 | 0.0000542 | 0.0000268 | 0.0195 | 0.00000525 | 0.0000162 | 0.000262 | 0.00162 |
| 2068 Oct | 0.00000263 | 0.865 | 0.000526 | 1.34 | 0.000876 | 0.000027 | 0.829 | 0.00067 | 0.00134 | 0.0000624 | 0.0000543 | 0.0000269 | 0.0196 | 0.00000526 | 0.0000163 | 0.000263 | 0.00163 |
| 2068 Nov | 0.00000263 | 0.866 | 0.000527 | 1.34 | 0.000877 | 0.000027 | 0.83 | 0.000671 | 0.00135 | 0.0000626 | 0.0000544 | 0.0000269 | 0.0196 | 0.00000527 | 0.0000163 | 0.000263 | 0.00163 |
| 2068 Dec | 0.00000263 | 0.866 | 0.000527 | 1.34 | 0.000877 | 0.000027 | 0.83 | 0.000671 | 0.00135 | 0.0000626 | 0.0000544 | 0.0000269 | 0.0196 | 0.00000527 | 0.0000163 | 0.000263 | 0.00163 |
| 2069 Jan | 0.00000263 | 0.866 | 0.000527 | 1.34 | 0.000877 | 0.000027 | 0.83 | 0.000671 | 0.00135 | 0.0000626 | 0.0000544 | 0.0000269 | 0.0196 | 0.00000527 | 0.0000163 | 0.000263 | 0.00163 |
| 2069 Feb | 0.00000263 | 0.866 | 0.000527 | 1.34 | 0.000877 | 0.000027 | 0.83 | 0.000671 | 0.00135 | 0.0000626 | 0.0000544 | 0.0000269 | 0.0196 | 0.00000527 | 0.0000163 | 0.000263 | 0.00163 |
| 2069 Mar | 0.00000263 | 0.866 | 0.000527 | 1.34 | 0.000877 | 0.000027 | 0.83 | 0.000671 | 0.00135 | 0.0000626 | 0.0000544 | 0.0000269 | 0.0196 | 0.00000527 | 0.0000163 | 0.000263 | 0.00163 |
| 2069 Apr | 0.00000264 | 0.866 | 0.000527 | 1.34 | 0.000877 | 0.0000271 | 0.83 | 0.000671 | 0.00135 | 0.0000626 | 0.0000544 | 0.0000269 | 0.0196 | 0.00000527 | 0.0000163 | 0.000264 | 0.00163 |
| 2069 May | 0.00000265 | 0.872 | 0.000531 | 1.35 | 0.000881 | 0.0000272 | 0.835 | 0.000676 | 0.00135 | 0.0000628 | 0.0000547 | 0.0000271 | 0.0197 | 0.00000531 | 0.0000164 | 0.000265 | 0.00164 |
| 2069 Jun | 0.00000262 | 0.893 | 0.000523 | 1.38 | 0.000799 | 0.0000267 | 0.851 | 0.000684 | 0.00145 | 0.0000548 | 0.0000537 | 0.0000266 | 0.0202 | 0.00000523 | 0.000016 | 0.000262 | 0.00161 |
| 2069 Jul | 0.00000268 | 0.921 | 0.000536 | 1.42 | 0.000821 | 0.0000274 | 0.877 | 0.000704 | 0.00152 | 0.0000546 | 0.0000549 | 0.0000273 | 0.0209 | 0.00000536 | 0.0000164 | 0.000268 | 0.00165 |
| 2069 Aug | 0.00000271 | 0.92 | 0.000542 | 1.42 | 0.000863 | 0.000028 | 0.876 | 0.000701 | 0.00151 | 0.0000539 | 0.0000554 | 0.0000275 | 0.0209 | 0.00000542 | 0.0000167 | 0.000271 | 0.00166 |
| 2069 Sep | 0.00000268 | 0.894 | 0.000536 | 1.38 | 0.000888 | 0.000028 | 0.849 | 0.00067 | 0.00147 | 0.0000514 | 0.0000547 | 0.0000274 | 0.0204 | 0.00000536 | 0.0000166 | 0.000268 | 0.00164 |
| 2069 Oct | 0.00000267 | 0.888 | 0.000535 | 1.37 | 0.000891 | 0.000028 | 0.844 | 0.00066 | 0.00145 | 0.0000518 | 0.0000546 | 0.0000274 | 0.0203 | 0.00000535 | 0.0000165 | 0.000267 | 0.00164 |
| 2069 Nov | 0.00000267 | 0.889 | 0.000535 | 1.37 | 0.000892 | 0.000028 | 0.844 | 0.000661 | 0.00146 | 0.0000528 | 0.0000547 | 0.0000275 | 0.0203 | 0.00000535 | 0.0000166 | 0.000267 | 0.00164 |
| 2069 Dec | 0.00000267 | 0.889 | 0.000535 | 1.37 | 0.000892 | 0.000028 | 0.844 | 0.000661 | 0.00146 | 0.0000528 | 0.0000547 | 0.0000275 | 0.0203 | 0.00000535 | 0.0000166 | 0.000267 | 0.00164 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 101 | 0.107 | 0.793 | 0.000642 | 19.2 | 0.0697 | 22.6 | 0.00000887 | 0.00781 | 0.00284 | 0.0111 | 0.0255 | 0.0000307 | 19.4 | 0.00000707 | 0.000426 | 0.000262 | 0.000778 | 0.0702 |
| Operation (Jan., 2024 to Jun., 2028): Average | 125 | 0.221 | 1.21 | 0.00159 | 25.7 | 0.0816 | 33.5 | 0.0000104 | 0.0106 | 0.00699 | 0.0158 | 0.0318 | 0.0000469 | 23.9 | 0.0000104 | 0.00132 | 0.000395 | 0.00107 | 0.0903 |
| Operation (Jan., 2024 to Jun., 2028): Max | 141 | 0.281 | 1.52 | 0.00283 | 30.8 | 0.0893 | 39.8 | 0.0000116 | 0.0124 | 0.00912 | 0.0202 | 0.0361 | 0.0000641 | 26.9 | 0.0000123 | 0.00239 | 0.000553 | 0.00123 | 0.104 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 59.9 | 0.00354 | 0.189 | 0.000431 | 11.9 | 0.0401 | 7.02 | 0.00000516 | 0.00417 | 0.000553 | 0.0052 | 0.0153 | 0.0000106 | 8.67 | 0.00000291 | 0.000071 | 0.0000952 | 0.000387 | 0.0188 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 69.7 | 0.0127 | 0.293 | 0.000537 | 14.2 | 0.0461 | 10.3 | 0.00000587 | 0.00595 | 0.00141 | 0.00622 | 0.0171 | 0.0000139 | 10.3 | 0.00000415 | 0.000125 | 0.000127 | 0.00049 | 0.0285 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 112 | 0.187 | 0.87 | 0.000702 | 21.9 | 0.0804 | 31.3 | 0.0000097 | 0.012 | 0.00677 | 0.0121 | 0.0291 | 0.0000342 | 21.6 | 0.00000991 | 0.000474 | 0.000299 | 0.00108 | 0.083 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 57.3 | 0.00147 | 0.121 | 0.000341 | 11.3 | 0.0473 | 8.22 | 0.00000535 | 0.00799 | 0.00461 | 0.0053 | 0.0152 | 0.000011 | 8.44 | 0.00000371 | 0.0000842 | 0.000139 | 0.000587 | 0.0303 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 69.2 | 0.00273 | 0.166 | 0.000595 | 13.2 | 0.0522 | 11.4 | 0.00000563 | 0.0105 | 0.00822 | 0.00559 | 0.0174 | 0.0000118 | 10.3 | 0.00000466 | 0.000101 | 0.000158 | 0.000698 | 0.0354 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 102 | 0.00585 | 0.343 | 0.000974 | 20.6 | 0.0562 | 14.7 | 0.00000582 | 0.0117 | 0.0122 | 0.00583 | 0.0231 | 0.0000125 | 13.9 | 0.00000593 | 0.000118 | 0.000172 | 0.000791 | 0.0388 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 122 | 0.117 | 1.31 | 0.00153 | 29 | 0.0745 | 24.9 | 0.000011 | 0.00854 | 0.00315 | 0.0201 | 0.0318 | 0.0000638 | 22.1 | 0.00000764 | 0.00232 | 0.00055 | 0.000845 | 0.0817 |
| 2024 Feb | 122 | 0.117 | 1.31 | 0.00153 | 28.9 | 0.0745 | 24.9 | 0.000011 | 0.00854 | 0.00315 | 0.0201 | 0.0318 | 0.0000638 | 22.1 | 0.00000764 | 0.00231 | 0.00055 | 0.000845 | 0.0816 |
| 2024 Mar | 122 | 0.117 | 1.31 | 0.00153 | 28.9 | 0.0745 | 24.9 | 0.000011 | 0.00854 | 0.00315 | 0.0201 | 0.0318 | 0.0000638 | 22.1 | 0.00000764 | 0.00231 | 0.00055 | 0.000845 | 0.0816 |
| 2024 Apr | 123 | 0.118 | 1.32 | 0.00156 | 29.1 | 0.0748 | 25.1 | 0.000011 | 0.00856 | 0.00317 | 0.0202 | 0.032 | 0.0000641 | 22.3 | 0.00000767 | 0.00234 | 0.000553 | 0.000848 | 0.0823 |
| 2024 May | 112 | 0.107 | 1.17 | 0.00156 | 26.2 | 0.0697 | 22.6 | 0.0000103 | 0.00781 | 0.00284 | 0.0185 | 0.0292 | 0.0000576 | 20.1 | 0.00000707 | 0.0021 | 0.000493 | 0.000778 | 0.0737 |
| 2024 Jun | 119 | 0.143 | 1.24 | 0.00185 | 27.9 | 0.0742 | 25 | 0.0000106 | 0.0081 | 0.00356 | 0.0187 | 0.0311 | 0.0000566 | 21.7 | 0.00000749 | 0.00233 | 0.000489 | 0.00083 | 0.0843 |
| 2024 Jul | 126 | 0.166 | 1.32 | 0.00118 | 29.2 | 0.0779 | 27.3 | 0.0000109 | 0.00891 | 0.0043 | 0.0194 | 0.0327 | 0.0000585 | 23.1 | 0.00000818 | 0.00239 | 0.00051 | 0.0009 | 0.091 |
| 2024 Aug | 122 | 0.166 | 1.27 | 0.000951 | 27.9 | 0.0759 | 27.1 | 0.0000107 | 0.00901 | 0.00447 | 0.0186 | 0.0315 | 0.0000559 | 22.5 | 0.00000824 | 0.00222 | 0.000483 | 0.000893 | 0.0882 |
| 2024 Sep | 111 | 0.163 | 1.15 | 0.000762 | 24.8 | 0.0712 | 26.3 | 0.00001 | 0.00863 | 0.00478 | 0.0167 | 0.0287 | 0.0000496 | 20.8 | 0.00000819 | 0.00184 | 0.000416 | 0.000861 | 0.0805 |
| 2024 Oct | 128 | 0.201 | 1.36 | 0.00107 | 28.1 | 0.08 | 31.7 | 0.0000109 | 0.00972 | 0.00618 | 0.0184 | 0.0327 | 0.0000552 | 24.2 | 0.00000969 | 0.00202 | 0.000463 | 0.001 | 0.0929 |
| 2024 Nov | 133 | 0.215 | 1.43 | 0.00158 | 29.2 | 0.0833 | 33.6 | 0.0000112 | 0.0102 | 0.00667 | 0.0189 | 0.0341 | 0.0000569 | 25.3 | 0.0000103 | 0.00207 | 0.000479 | 0.00106 | 0.0971 |
| 2024 Dec | 135 | 0.221 | 1.46 | 0.00172 | 29.7 | 0.0846 | 34.4 | 0.0000113 | 0.0103 | 0.00685 | 0.0191 | 0.0347 | 0.0000578 | 25.8 | 0.0000105 | 0.0021 | 0.000486 | 0.00107 | 0.099 |
| 2025 Jan | 137 | 0.223 | 1.47 | 0.00179 | 29.9 | 0.0852 | 34.8 | 0.0000114 | 0.0104 | 0.00694 | 0.0192 | 0.035 | 0.0000583 | 26 | 0.0000106 | 0.00212 | 0.00049 | 0.00108 | 0.1 |
| 2025 Feb | 138 | 0.226 | 1.49 | 0.00185 | 30.1 | 0.0858 | 35.1 | 0.0000114 | 0.0105 | 0.00701 | 0.0193 | 0.0353 | 0.0000586 | 26.3 | 0.0000107 | 0.00213 | 0.000493 | 0.00109 | 0.101 |
| 2025 Mar | 139 | 0.228 | 1.5 | 0.00191 | 30.3 | 0.0863 | 35.4 | 0.0000115 | 0.0105 | 0.00708 | 0.0194 | 0.0355 | 0.000059 | 26.5 | 0.0000108 | 0.00214 | 0.000497 | 0.0011 | 0.102 |
| 2025 Apr | 140 | 0.23 | 1.51 | 0.00197 | 30.5 | 0.0869 | 35.7 | 0.0000115 | 0.0106 | 0.00715 | 0.0196 | 0.0358 | 0.0000594 | 26.7 | 0.0000108 | 0.00215 | 0.0005 | 0.00111 | 0.103 |
| 2025 May | 141 | 0.232 | 1.52 | 0.002 | 30.8 | 0.0876 | 36 | 0.0000116 | 0.0107 | 0.00722 | 0.0197 | 0.0361 | 0.0000599 | 26.9 | 0.0000109 | 0.00217 | 0.000504 | 0.00112 | 0.104 |
| 2025 Jun | 113 | 0.174 | 1.1 | 0.0012 | 24.5 | 0.0759 | 27.9 | 0.00001 | 0.00865 | 0.0054 | 0.0157 | 0.0299 | 0.0000462 | 21.3 | 0.00000874 | 0.00151 | 0.000388 | 0.000917 | 0.0801 |
| 2025 Jul | 129 | 0.21 | 1.26 | 0.00097 | 27.5 | 0.0855 | 32.6 | 0.0000111 | 0.0107 | 0.0066 | 0.017 | 0.034 | 0.0000509 | 24.5 | 0.00001 | 0.00157 | 0.000429 | 0.00108 | 0.0962 |
| 2025 Aug | 122 | 0.202 | 1.19 | 0.00091 | 25.8 | 0.0816 | 31.2 | 0.0000107 | 0.0105 | 0.0064 | 0.0162 | 0.0321 | 0.0000479 | 23.2 | 0.00000974 | 0.00144 | 0.000402 | 0.00104 | 0.0911 |
| 2025 Sep | 107 | 0.189 | 1.03 | 0.000747 | 22.1 | 0.073 | 28.8 | 0.0000097 | 0.00963 | 0.00617 | 0.0141 | 0.0279 | 0.000041 | 20.6 | 0.00000921 | 0.00112 | 0.000333 | 0.00095 | 0.0791 |
| 2025 Oct | 118 | 0.221 | 1.15 | 0.00134 | 23.9 | 0.0794 | 33 | 0.0000101 | 0.0106 | 0.00728 | 0.0147 | 0.0303 | 0.0000433 | 22.9 | 0.0000108 | 0.00115 | 0.000358 | 0.00106 | 0.0862 |
| 2025 Nov | 131 | 0.253 | 1.3 | 0.00236 | 26.4 | 0.0861 | 37.1 | 0.0000107 | 0.0114 | 0.00828 | 0.0158 | 0.0334 | 0.0000472 | 25.5 | 0.0000118 | 0.00125 | 0.000392 | 0.00117 | 0.0966 |
| 2025 Dec | 134 | 0.26 | 1.33 | 0.00256 | 26.9 | 0.0875 | 37.9 | 0.0000108 | 0.0116 | 0.00848 | 0.016 | 0.0341 | 0.0000481 | 26 | 0.000012 | 0.00128 | 0.0004 | 0.00119 | 0.0989 |
| 2026 Jan | 135 | 0.262 | 1.34 | 0.00264 | 27.2 | 0.0881 | 38.3 | 0.0000109 | 0.0116 | 0.00856 | 0.0161 | 0.0343 | 0.0000485 | 26.2 | 0.000012 | 0.00129 | 0.000403 | 0.0012 | 0.0999 |
| 2026 Feb | 136 | 0.264 | 1.35 | 0.00271 | 27.3 | 0.0885 | 38.5 | 0.0000109 | 0.0117 | 0.00862 | 0.0162 | 0.0346 | 0.0000488 | 26.4 | 0.0000121 | 0.0013 | 0.000406 | 0.00121 | 0.101 |
| 2026 Mar | 137 | 0.265 | 1.36 | 0.00276 | 27.5 | 0.0889 | 38.7 | 0.000011 | 0.0117 | 0.00866 | 0.0163 | 0.0347 | 0.000049 | 26.6 | 0.0000121 | 0.0013 | 0.000408 | 0.00121 | 0.101 |
| 2026 Apr | 137 | 0.267 | 1.36 | 0.00281 | 27.6 | 0.0893 | 38.9 | 0.000011 | 0.0118 | 0.00871 | 0.0164 | 0.0349 | 0.0000492 | 26.7 | 0.0000122 | 0.00131 | 0.000411 | 0.00122 | 0.102 |
| 2026 May | 136 | 0.263 | 1.35 | 0.0028 | 27.4 | 0.0887 | 38.5 | 0.0000109 | 0.0117 | 0.0086 | 0.0162 | 0.0346 | 0.0000488 | 26.4 | 0.000012 | 0.00129 | 0.000406 | 0.00121 | 0.101 |
| 2026 Jun | 106 | 0.184 | 0.915 | 0.00104 | 21.5 | 0.0746 | 28 | 0.0000093 | 0.00913 | 0.0058 | 0.0129 | 0.0281 | 0.0000374 | 20.2 | 0.00000894 | 0.000862 | 0.000311 | 0.000942 | 0.0772 |
| 2026 Jul | 121 | 0.222 | 1.07 | 0.000782 | 24.4 | 0.0826 | 32.6 | 0.0000102 | 0.0109 | 0.00693 | 0.0142 | 0.0316 | 0.000042 | 23.2 | 0.0000102 | 0.000959 | 0.000356 | 0.00109 | 0.0919 |
| 2026 Aug | 115 | 0.216 | 1.03 | 0.000692 | 23 | 0.079 | 31.6 | 0.00000988 | 0.0107 | 0.00684 | 0.0137 | 0.0299 | 0.0000399 | 22.2 | 0.00001 | 0.000877 | 0.000336 | 0.00105 | 0.0872 |
| 2026 Sep | 115 | 0.22 | 1.04 | 0.000642 | 22.7 | 0.0787 | 32.3 | 0.00000984 | 0.0107 | 0.0071 | 0.0136 | 0.0297 | 0.0000395 | 22.3 | 0.0000102 | 0.000848 | 0.000328 | 0.00105 | 0.0865 |
| 2026 Oct | 120 | 0.235 | 1.1 | 0.000706 | 23.6 | 0.0814 | 34.5 | 0.0000101 | 0.011 | 0.00768 | 0.014 | 0.0308 | 0.000041 | 23.4 | 0.0000109 | 0.000865 | 0.000338 | 0.0011 | 0.0899 |
| 2026 Nov | 126 | 0.251 | 1.18 | 0.000926 | 24.7 | 0.0847 | 37 | 0.0000104 | 0.0114 | 0.00829 | 0.0145 | 0.0322 | 0.0000428 | 24.8 | 0.0000115 | 0.000895 | 0.000351 | 0.00116 | 0.0944 |
| 2026 Dec | 127 | 0.253 | 1.19 | 0.000953 | 24.8 | 0.0851 | 37.3 | 0.0000104 | 0.0114 | 0.00836 | 0.0146 | 0.0324 | 0.000043 | 24.9 | 0.0000116 | 0.000898 | 0.000353 | 0.00117 | 0.0948 |
| 2027 Jan | 128 | 0.255 | 1.19 | 0.000974 | 24.9 | 0.0854 | 37.5 | 0.0000104 | 0.0114 | 0.00842 | 0.0146 | 0.0325 | 0.0000431 | 25 | 0.0000117 | 0.000901 | 0.000354 | 0.00117 | 0.0952 |
| 2027 Feb | 128 | 0.255 | 1.19 | 0.000974 | 24.9 | 0.0854 | 37.5 | 0.0000104 | 0.0114 | 0.00842 | 0.0146 | 0.0325 | 0.0000431 | 25 | 0.0000117 | 0.000901 | 0.000354 | 0.00117 | 0.0952 |
| 2027 Mar | 128 | 0.255 | 1.19 | 0.000974 | 24.9 | 0.0854 | 37.5 | 0.0000104 | 0.0114 | 0.00842 | 0.0146 | 0.0325 | 0.0000431 | 25 | 0.0000117 | 0.000901 | 0.000354 | 0.00117 | 0.0952 |
| 2027 Apr | 128 | 0.255 | 1.19 | 0.000975 | 24.9 | 0.0854 | 37.5 | 0.0000104 | 0.0114 | 0.00843 | 0.0146 | 0.0325 | 0.0000432 | 25.1 | 0.0000117 | 0.000902 | 0.000354 | 0.00117 | 0.0953 |
| 2027 May | 122 | 0.24 | 1.12 | 0.000953 | 23.7 | 0.0823 | 35.5 | 0.0000101 | 0.0109 | 0.00794 | 0.0141 | 0.0311 | 0.0000412 | 23.8 | 0.0000111 | 0.000851 | 0.000336 | 0.00112 | 0.0899 |
| 2027 Jun | 106 | 0.194 | 0.887 | 0.000986 | 20.5 | 0.075 | 29.8 | 0.00000924 | 0.00952 | 0.00626 | 0.0121 | 0.0275 | 0.0000341 | 20.3 | 0.00000941 | 0.000608 | 0.000282 | 0.000968 | 0.074 |
| 2027 Jul | 123 | 0.25 | 1.07 | 0.00108 | 23.6 | 0.0837 | 35.4 | 0.0000101 | 0.0118 | 0.00782 | 0.0132 | 0.031 | 0.0000378 | 23.8 | 0.0000109 | 0.000666 | 0.000328 | 0.00114 | 0.0893 |
| 2027 Aug | 116 | 0.24 | 1.02 | 0.000919 | 22.2 | 0.0798 | 33.8 | 0.00000979 | 0.0115 | 0.00753 | 0.0127 | 0.0293 | 0.0000358 | 22.6 | 0.0000106 | 0.000613 | 0.000309 | 0.0011 | 0.0844 |
| 2027 Sep | 102 | 0.21 | 0.886 | 0.000735 | 19.2 | 0.0712 | 30.2 | 0.00000899 | 0.0103 | 0.00673 | 0.0114 | 0.0255 | 0.0000316 | 19.8 | 0.00000966 | 0.000502 | 0.000262 | 0.000976 | 0.0724 |
| 2027 Oct | 113 | 0.239 | 1.01 | 0.00144 | 21 | 0.0769 | 34.3 | 0.00000938 | 0.0111 | 0.00779 | 0.012 | 0.0278 | 0.0000339 | 22 | 0.0000109 | 0.000523 | 0.000284 | 0.00108 | 0.0793 |
| 2027 Nov | 125 | 0.271 | 1.14 | 0.00245 | 23.3 | 0.0836 | 38.4 | 0.00000995 | 0.012 | 0.0088 | 0.0129 | 0.0307 | 0.000037 | 24.6 | 0.000012 | 0.000577 | 0.000314 | 0.00119 | 0.0888 |
| 2027 Dec | 127 | 0.276 | 1.16 | 0.00263 | 23.7 | 0.0847 | 39 | 0.00001 | 0.0122 | 0.00895 | 0.0131 | 0.0311 | 0.0000375 | 25 | 0.0000121 | 0.000586 | 0.000319 | 0.0012 | 0.0904 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 128 | 0.277 | 1.16 | 0.0027 | 23.8 | 0.085 | 39.2 | 0.0000101 | 0.0122 | 0.009 | 0.0131 | 0.0313 | 0.0000377 | 25.1 | 0.0000122 | 0.000589 | 0.000321 | 0.00121 | 0.0909 |
| 2028 Feb | 128 | 0.278 | 1.17 | 0.00274 | 23.9 | 0.0853 | 39.4 | 0.0000101 | 0.0122 | 0.00903 | 0.0132 | 0.0314 | 0.0000378 | 25.2 | 0.0000122 | 0.000592 | 0.000322 | 0.00121 | 0.0913 |
| 2028 Mar | 129 | 0.279 | 1.17 | 0.00278 | 24 | 0.0855 | 39.5 | 0.0000101 | 0.0123 | 0.00906 | 0.0132 | 0.0315 | 0.0000379 | 25.3 | 0.0000123 | 0.000594 | 0.000324 | 0.00122 | 0.0918 |
| 2028 Apr | 129 | 0.28 | 1.18 | 0.00282 | 24 | 0.0858 | 39.7 | 0.0000101 | 0.0123 | 0.00909 | 0.0132 | 0.0316 | 0.0000381 | 25.4 | 0.0000123 | 0.000596 | 0.000325 | 0.00122 | 0.0921 |
| 2028 May | 130 | 0.281 | 1.18 | 0.00283 | 24.1 | 0.0861 | 39.8 | 0.0000102 | 0.0124 | 0.00912 | 0.0133 | 0.0317 | 0.0000382 | 25.4 | 0.0000123 | 0.000598 | 0.000326 | 0.00123 | 0.0925 |
| 2028 Jun | 101 | 0.183 | 0.793 | 0.00102 | 19.5 | 0.0734 | 28.3 | 0.00000887 | 0.00985 | 0.00607 | 0.0111 | 0.0262 | 0.0000307 | 19.4 | 0.00000909 | 0.000426 | 0.000263 | 0.000954 | 0.0702 |
| 2028 Jul | 112 | 0.187 | 0.87 | 0.000622 | 21.9 | 0.0804 | 31.3 | 0.0000097 | 0.012 | 0.00677 | 0.0121 | 0.0291 | 0.0000342 | 21.6 | 0.00000991 | 0.000474 | 0.000299 | 0.00108 | 0.083 |
| 2028 Aug | 103 | 0.167 | 0.781 | 0.000622 | 20.1 | 0.0751 | 28.4 | 0.0000093 | 0.0114 | 0.00612 | 0.0115 | 0.0268 | 0.0000319 | 19.8 | 0.0000092 | 0.000431 | 0.000276 | 0.001 | 0.0762 |
| 2028 Sep | 91.9 | 0.143 | 0.677 | 0.000615 | 17.9 | 0.0685 | 24.9 | 0.00000873 | 0.0104 | 0.00532 | 0.0106 | 0.024 | 0.0000289 | 17.5 | 0.0000083 | 0.000379 | 0.000246 | 0.000904 | 0.0676 |
| 2028 Oct | 79.5 | 0.105 | 0.565 | 0.000644 | 15.5 | 0.061 | 21 | 0.000008 | 0.0093 | 0.0044 | 0.00954 | 0.0208 | 0.0000253 | 15 | 0.0000075 | 0.000318 | 0.000212 | 0.000794 | 0.0572 |
| 2028 Nov | 80.4 | 0.101 | 0.572 | 0.000669 | 15.7 | 0.0616 | 21.1 | 0.00000802 | 0.00946 | 0.00443 | 0.00956 | 0.021 | 0.0000254 | 15.1 | 0.00000772 | 0.000319 | 0.000216 | 0.000805 | 0.0575 |
| 2028 Dec | 80.6 | 0.101 | 0.574 | 0.000671 | 15.7 | 0.0617 | 21.2 | 0.00000803 | 0.00948 | 0.00445 | 0.00957 | 0.021 | 0.0000254 | 15.2 | 0.00000773 | 0.000319 | 0.000216 | 0.000806 | 0.0576 |
| 2029 Jan | 80.6 | 0.101 | 0.574 | 0.000671 | 15.7 | 0.0617 | 21.2 | 0.00000803 | 0.00947 | 0.00444 | 0.00957 | 0.021 | 0.0000254 | 15.2 | 0.00000773 | 0.000319 | 0.000216 | 0.000806 | 0.0576 |
| 2029 Feb | 80.6 | 0.101 | 0.574 | 0.000671 | 15.7 | 0.0617 | 21.2 | 0.00000802 | 0.00947 | 0.00444 | 0.00957 | 0.021 | 0.0000254 | 15.2 | 0.00000772 | 0.000319 | 0.000216 | 0.000806 | 0.0575 |
| 2029 Mar | 80.6 | 0.101 | 0.574 | 0.000671 | 15.7 | 0.0617 | 21.2 | 0.00000802 | 0.00947 | 0.00444 | 0.00957 | 0.021 | 0.0000254 | 15.2 | 0.00000772 | 0.000319 | 0.000216 | 0.000806 | 0.0575 |
| 2029 Apr | 80.6 | 0.101 | 0.574 | 0.000671 | 15.7 | 0.0617 | 21.2 | 0.00000803 | 0.00947 | 0.00444 | 0.00957 | 0.021 | 0.0000254 | 15.2 | 0.00000773 | 0.000319 | 0.000216 | 0.000806 | 0.0575 |
| 2029 May | 80.7 | 0.101 | 0.575 | 0.000673 | 15.8 | 0.0618 | 21.2 | 0.00000805 | 0.00949 | 0.00445 | 0.0096 | 0.0211 | 0.0000255 | 15.2 | 0.00000774 | 0.00032 | 0.000216 | 0.000807 | 0.0576 |
| 2029 Jun | 72.5 | 0.0723 | 0.467 | 0.00062 | 14.3 | 0.0574 | 17.7 | 0.00000735 | 0.00758 | 0.00356 | 0.00855 | 0.0194 | 0.000022 | 13.2 | 0.00000647 | 0.00026 | 0.000188 | 0.000688 | 0.0461 |
| 2029 Jul | 74.5 | 0.0491 | 0.466 | 0.000483 | 14.8 | 0.0571 | 17 | 0.00000718 | 0.00724 | 0.00333 | 0.00828 | 0.0198 | 0.000021 | 13.2 | 0.00000598 | 0.000244 | 0.000186 | 0.000664 | 0.0442 |
| 2029 Aug | 68 | 0.0399 | 0.419 | 0.00048 | 13.5 | 0.0529 | 15.3 | 0.00000699 | 0.00728 | 0.00297 | 0.00796 | 0.0181 | 0.0000199 | 12 | 0.00000561 | 0.000222 | 0.000174 | 0.000621 | 0.0417 |
| 2029 Sep | 63.1 | 0.0319 | 0.383 | 0.000489 | 12.5 | 0.0497 | 14 | 0.00000678 | 0.00702 | 0.00268 | 0.00765 | 0.0168 | 0.0000188 | 11.1 | 0.00000528 | 0.000205 | 0.000158 | 0.000584 | 0.039 |
| 2029 Oct | 65.1 | 0.0283 | 0.405 | 0.000498 | 12.9 | 0.0504 | 14.5 | 0.00000685 | 0.00721 | 0.00278 | 0.00775 | 0.0171 | 0.0000192 | 11.4 | 0.00000542 | 0.000211 | 0.000161 | 0.0006 | 0.0403 |
| 2029 Nov | 65.2 | 0.0281 | 0.406 | 0.000499 | 12.9 | 0.0505 | 14.5 | 0.00000686 | 0.00723 | 0.00278 | 0.00776 | 0.0171 | 0.0000192 | 11.4 | 0.00000544 | 0.000211 | 0.000161 | 0.000601 | 0.0403 |
| 2029 Dec | 65.1 | 0.0281 | 0.405 | 0.000499 | 12.9 | 0.0505 | 14.5 | 0.00000686 | 0.00723 | 0.00278 | 0.00776 | 0.0171 | 0.0000192 | 11.4 | 0.00000544 | 0.000211 | 0.000161 | 0.000601 | 0.0403 |
| 2030 Jan | 65.1 | 0.0281 | 0.405 | 0.000499 | 12.9 | 0.0505 | 14.5 | 0.00000686 | 0.00723 | 0.00278 | 0.00776 | 0.0171 | 0.0000192 | 11.4 | 0.00000544 | 0.000211 | 0.000161 | 0.0006 | 0.0403 |
| 2030 Feb | 65.1 | 0.0281 | 0.405 | 0.000499 | 12.9 | 0.0505 | 14.5 | 0.00000686 | 0.00723 | 0.00278 | 0.00776 | 0.0171 | 0.0000192 | 11.4 | 0.00000544 | 0.000211 | 0.000161 | 0.0006 | 0.0403 |
| 2030 Mar | 65.1 | 0.0281 | 0.405 | 0.000499 | 12.9 | 0.0505 | 14.5 | 0.00000686 | 0.00723 | 0.00278 | 0.00776 | 0.0171 | 0.0000192 | 11.4 | 0.00000544 | 0.000211 | 0.000161 | 0.0006 | 0.0403 |
| 2030 Apr | 65.1 | 0.0281 | 0.405 | 0.0005 | 12.9 | 0.0505 | 14.5 | 0.00000686 | 0.00723 | 0.00278 | 0.00776 | 0.0171 | 0.0000192 | 11.4 | 0.00000544 | 0.000211 | 0.000161 | 0.000601 | 0.0403 |
| 2030 May | 65.4 | 0.0282 | 0.407 | 0.000502 | 13 | 0.0507 | 14.5 | 0.00000689 | 0.00726 | 0.00279 | 0.00779 | 0.0172 | 0.0000193 | 11.5 | 0.00000547 | 0.000212 | 0.000162 | 0.000603 | 0.0405 |
| 2030 Jun | 62.4 | 0.0138 | 0.346 | 0.000484 | 12.5 | 0.0499 | 12.7 | 0.00000642 | 0.0056 | 0.00227 | 0.00713 | 0.0169 | 0.0000171 | 10.6 | 0.00000478 | 0.000177 | 0.000147 | 0.000533 | 0.032 |
| 2030 Jul | 69.5 | 0.00753 | 0.411 | 0.000475 | 13.9 | 0.0524 | 14.1 | 0.00000664 | 0.00638 | 0.00255 | 0.00744 | 0.0184 | 0.0000182 | 11.7 | 0.00000511 | 0.000195 | 0.000162 | 0.000581 | 0.0367 |
| 2030 Aug | 65.7 | 0.00561 | 0.389 | 0.000509 | 13.2 | 0.0497 | 13.2 | 0.00000658 | 0.00674 | 0.0024 | 0.00733 | 0.0173 | 0.0000177 | 11.1 | 0.00000496 | 0.000187 | 0.000158 | 0.000563 | 0.0366 |
| 2030 Sep | 63.9 | 0.00524 | 0.375 | 0.000525 | 12.8 | 0.0485 | 12.8 | 0.00000653 | 0.00675 | 0.00231 | 0.00725 | 0.0168 | 0.0000174 | 10.8 | 0.00000487 | 0.000181 | 0.000151 | 0.000553 | 0.0359 |
| 2030 Oct | 62 | 0.00475 | 0.354 | 0.000548 | 12.5 | 0.0478 | 12.3 | 0.00000641 | 0.00689 | 0.00218 | 0.00708 | 0.0162 | 0.0000169 | 10.4 | 0.00000528 | 0.000173 | 0.00015 | 0.000552 | 0.0342 |
| 2030 Nov | 66.6 | 0.00416 | 0.391 | 0.000596 | 13.4 | 0.05 | 13.2 | 0.00000651 | 0.0074 | 0.00236 | 0.00724 | 0.0171 | 0.0000175 | 11.1 | 0.00000582 | 0.000184 | 0.000159 | 0.000591 | 0.0364 |
| 2030 Dec | 67.3 | 0.00414 | 0.397 | 0.000601 | 13.5 | 0.0503 | 13.4 | 0.00000653 | 0.00745 | 0.0024 | 0.00728 | 0.0172 | 0.0000176 | 11.2 | 0.00000585 | 0.000186 | 0.00016 | 0.000596 | 0.0368 |
| 2031 Jan | 67.4 | 0.00415 | 0.397 | 0.000601 | 13.5 | 0.0503 | 13.4 | 0.00000653 | 0.00745 | 0.0024 | 0.00728 | 0.0172 | 0.0000176 | 11.2 | 0.00000585 | 0.000186 | 0.00016 | 0.000596 | 0.0368 |
| 2031 Feb | 67.4 | 0.00415 | 0.397 | 0.000601 | 13.5 | 0.0503 | 13.4 | 0.00000653 | 0.00745 | 0.0024 | 0.00728 | 0.0172 | 0.0000176 | 11.2 | 0.00000585 | 0.000186 | 0.00016 | 0.000596 | 0.0368 |
| 2031 Mar | 67.4 | 0.00415 | 0.397 | 0.000601 | 13.5 | 0.0503 | 13.4 | 0.00000653 | 0.00745 | 0.0024 | 0.00728 | 0.0172 | 0.0000176 | 11.2 | 0.00000585 | 0.000186 | 0.00016 | 0.000596 | 0.0368 |
| 2031 Apr | 67.5 | 0.00416 | 0.398 | 0.000602 | 13.6 | 0.0504 | 13.4 | 0.00000654 | 0.00746 | 0.0024 | 0.00729 | 0.0173 | 0.0000176 | 11.3 | 0.00000586 | 0.000187 | 0.00016 | 0.000597 | 0.0369 |
| 2031 May | 64.4 | 0.00458 | 0.368 | 0.000601 | 12.8 | 0.049 | 12.7 | 0.00000646 | 0.00707 | 0.00224 | 0.00715 | 0.0166 | 0.0000171 | 10.7 | 0.00000561 | 0.000177 | 0.000152 | 0.000572 | 0.0345 |
| 2031 Jun | 67 | 0.00663 | 0.362 | 0.000606 | 13.2 | 0.0496 | 12.6 | 0.00000632 | 0.00589 | 0.00211 | 0.00696 | 0.0174 | 0.0000165 | 10.8 | 0.00000479 | 0.000169 | 0.000141 | 0.000541 | 0.0316 |
| 2031 Jul | 71.6 | 0.00657 | 0.391 | 0.000615 | 14.2 | 0.0522 | 13.4 | 0.00000655 | 0.00617 | 0.00226 | 0.00723 | 0.0186 | 0.0000173 | 11.6 | 0.00000497 | 0.000179 | 0.000151 | 0.000569 | 0.0339 |
| 2031 Aug | 66 | 0.00612 | 0.348 | 0.000609 | 13.1 | 0.0495 | 12.2 | 0.00000644 | 0.00608 | 0.00204 | 0.00705 | 0.0172 | 0.0000166 | 10.7 | 0.00000473 | 0.000165 | 0.000141 | 0.000537 | 0.0318 |
| 2031 Sep | 59.9 | 0.00521 | 0.31 | 0.000535 | 11.9 | 0.0451 | 10.9 | 0.00000619 | 0.00612 | 0.00181 | 0.00672 | 0.0155 | 0.0000156 | 9.68 | 0.00000439 | 0.00015 | 0.000126 | 0.0005 | 0.0305 |
| 2031 Oct | 63.1 | 0.00447 | 0.331 | 0.000477 | 12.7 | 0.0467 | 11.4 | 0.00000621 | 0.00673 | 0.00189 | 0.00677 | 0.016 | 0.0000158 | 10.1 | 0.00000514 | 0.000155 | 0.000137 | 0.000536 | 0.0317 |
| 2031 Nov | 67 | 0.00421 | 0.361 | 0.000463 | 13.5 | 0.0484 | 12.2 | 0.0000063 | 0.00705 | 0.00204 | 0.00691 | 0.0168 | 0.0000163 | 10.7 | 0.0000054 | 0.000164 | 0.000144 | 0.000562 | 0.0336 |
| 2031 Dec | 67.2 | 0.00421 | 0.362 | 0.000463 | 13.5 | 0.0484 | 12.2 | 0.00000631 | 0.00706 | 0.00204 | 0.00692 | 0.0168 | 0.0000163 | 10.8 | 0.00000541 | 0.000165 | 0.000144 | 0.000563 | 0.0337 |
| 2032 Jan | 67.2 | 0.00421 | 0.362 | 0.000463 | 13.5 | 0.0484 | 12.2 | 0.00000631 | 0.00706 | 0.00204 | 0.00692 | 0.0168 | 0.0000163 | 10.8 | 0.00000541 | 0.000165 | 0.000144 | 0.000563 | 0.0337 |
| 2032 Feb | 67.2 | 0.00421 | 0.362 | 0.000463 | 13.5 | 0.0484 | 12.2 | 0.00000631 | 0.00706 | 0.00204 | 0.00692 | 0.0168 | 0.0000163 | 10.8 | 0.00000541 | 0.000165 | 0.000144 | 0.000563 | 0.0337 |
| 2032 Mar | 67.2 | 0.00421 | 0.362 | 0.000463 | 13.5 | 0.0484 | 12.2 | 0.00000631 | 0.00706 | 0.00204 | 0.00692 | 0.0168 | 0.0000163 | 10.8 | 0.00000541 | 0.000165 | 0.000144 | 0.000563 | 0.0337 |
| 2032 Apr | 67.3 | 0.00422 | 0.363 | 0.000463 | 13.5 | 0.0485 | 12.2 | 0.00000631 | 0.00706 | 0.00204 | 0.00692 | 0.0169 | 0.0000163 | 10.8 | 0.00000541 | 0.000165 | 0.000144 | 0.000564 | 0.0338 |
| 2032 May | 67.5 | 0.00424 | 0.364 | 0.000465 | 13.6 | 0.0486 | 12.3 | 0.00000634 | 0.00709 | 0.00205 | 0.00695 | 0.0169 | 0.0000164 | 10.8 | 0.00000543 | 0.000165 | 0.000145 | 0.000566 | 0.0339 |
| 2032 Jun | 65.6 | 0.00626 | 0.313 | 0.000478 | 13.3 | 0.0485 | 11.2 | 0.00000603 | 0.00538 | 0.00174 | 0.00653 | 0.017 | 0.0000151 | 10.3 | 0.00000445 | 0.000144 | 0.000135 | 0.000501 | 0.0281 |
| 2032 Jul | 75.9 | 0.00511 | 0.388 | 0.000431 | 15.4 | 0.0514 | 12.8 | 0.00000623 | 0.00613 | 0.00204 | 0.00681 | 0.0191 | 0.000016 | 11.8 | 0.00000457 | 0.000163 | 0.000151 | 0.00055 | 0.0336 |
| 2032 Aug | 71 | 0.00438 | 0.357 | 0.000448 | 14.4 | 0.0488 | 11.9 | 0.00000618 | 0.00628 | 0.00189 | 0.00671 | 0.0179 | 0.0000156 | 11.1 | 0.00000442 | 0.000155 | 0.000144 | 0.000529 | 0.0327 |
| 2032 Sep | 68.2 | 0.00418 | 0.34 | 0.000462 | 13.8 | 0.0473 | 11.4 | 0.00000613 | 0.0063 | 0.0018 | 0.00664 | 0.0172 | 0.0000154 | 10.6 | 0.00000432 | 0.000149 | 0.000137 | 0.000516 | 0.032 |
| 2032 Oct | 67.2 | 0.00413 | 0.331 | 0.00047 | 13.6 | 0.047 | 11.2 | 0.00000611 | 0.00637 | 0.00175 | 0.0066 | 0.0169 | 0.0000152 | 10.5 | 0.00000449 | 0.000147 | 0.000137 | 0.000516 | 0.0314 |
| 2032 Nov | 67.7 | 0.00405 | 0.335 | 0.000474 | 13.8 | 0.0473 | 11.3 | 0.00000612 | 0.00644 | 0.00177 | 0.00662 | 0.017 | 0.0000153 | 10.5 | 0.00000457 | 0.000148 | 0.000138 | 0.000521 | 0.0317 |
| 2032 Dec | 67.7 | 0.00406 | 0.334 | 0.000474 | 13.7 | 0.0472 | 11.3 | 0.00000612 | 0.00644 | 0.00177 | 0.00662 | 0.017 | 0.0000153 | 10.5 | 0.00000457 | 0.000147 | 0.000138 | 0.000521 | 0.0316 |
| 2033 Jan | 67.7 | 0.00406 | 0.334 | 0.000474 | 13.7 | 0.0472 | 11.3 | 0.00000612 | 0.00644 | 0.00177 | 0.00662 | 0.017 | 0.0000153 | 10.5 | 0.00000457 | 0.000147 | 0.000138 | 0.000521 | 0.0316 |
| 2033 Feb | 67.7 | 0.00407 | 0.334 | 0.000474 | 13.7 | 0.0472 | 11.3 | 0.00000612 | 0.00644 | 0.00177 | 0.00662 | 0.017 | 0.0000153 | 10.5 | 0.00000457 | 0.000147 | 0.000138 | 0.000521 | 0.0316 |
| 2033 Mar | 67.7 | 0.00407 | 0.334 | 0.000475 | 13.7 | 0.0472 | 11.3 | 0.00000612 | 0.00644 | 0.00177 | 0.00662 | 0.017 | 0.0000153 | 10.5 | 0.00000457 | 0.000147 | 0.000138 | 0.000521 | 0.0316 |
| 2033 Apr | 67.8 | 0.00407 | 0.335 | 0.000475 | 13.8 | 0.0473 | 11.3 | 0.00000613 | 0.00645 | 0.00177 | 0.00663 | 0.017 | 0.0000153 | 10.6 | 0.00000458 | 0.000148 | 0.000138 | 0.000522 | 0.0317 |
| 2033 May | 61.3 | 0.00526 | 0.282 | 0.000519 | 12.2 | 0.0447 | 10.1 | 0.00000595 | 0.00568 | 0.00151 | 0.00637 | 0.0157 | 0.0000144 | 9.47 | 0.0000042 | 0.000132 | 0.000122 | 0.000478 | 0.0271 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 72.3 | 0.00692 | 0.338 | 0.000609 | 14.3 | 0.0481 | 11.5 | 0.00000594 | 0.00555 | 0.00168 | 0.0064 | 0.018 | 0.0000147 | 10.9 | 0.00000415 | 0.000141 | 0.000128 | 0.000508 | 0.0291 |
| 2033 Jul | 74.4 | 0.00613 | 0.35 | 0.000593 | 14.9 | 0.049 | 11.7 | 0.00000605 | 0.00587 | 0.00172 | 0.00652 | 0.0185 | 0.000015 | 11.2 | 0.00000423 | 0.000145 | 0.000136 | 0.000521 | 0.0307 |
| 2033 Aug | 68.9 | 0.00569 | 0.315 | 0.000592 | 13.8 | 0.0469 | 10.8 | 0.00000603 | 0.00588 | 0.00157 | 0.00645 | 0.0173 | 0.0000146 | 10.4 | 0.00000409 | 0.000136 | 0.000132 | 0.000497 | 0.0293 |
| 2033 Sep | 62.8 | 0.0056 | 0.279 | 0.000596 | 12.6 | 0.0435 | 9.78 | 0.00000586 | 0.00576 | 0.0014 | 0.00623 | 0.0157 | 0.000014 | 9.51 | 0.00000388 | 0.000125 | 0.000119 | 0.000467 | 0.0277 |
| 2033 Oct | 63.3 | 0.00447 | 0.277 | 0.000633 | 12.8 | 0.0444 | 9.74 | 0.0000058 | 0.00636 | 0.00137 | 0.00616 | 0.0156 | 0.0000138 | 9.54 | 0.00000481 | 0.000123 | 0.000126 | 0.000494 | 0.0272 |
| 2033 Nov | 68.9 | 0.00402 | 0.311 | 0.000685 | 14 | 0.0466 | 10.6 | 0.00000588 | 0.0068 | 0.00151 | 0.00628 | 0.0167 | 0.0000142 | 10.3 | 0.00000518 | 0.000131 | 0.000135 | 0.000528 | 0.0294 |
| 2033 Dec | 69.6 | 0.00401 | 0.316 | 0.00069 | 14.1 | 0.0468 | 10.7 | 0.00000589 | 0.00683 | 0.00153 | 0.00629 | 0.0169 | 0.0000142 | 10.4 | 0.00000519 | 0.000132 | 0.000136 | 0.000531 | 0.0297 |
| 2034 Jan | 69.7 | 0.00402 | 0.316 | 0.000691 | 14.1 | 0.0468 | 10.7 | 0.00000589 | 0.00683 | 0.00153 | 0.00629 | 0.0169 | 0.0000142 | 10.4 | 0.00000519 | 0.000132 | 0.000136 | 0.000531 | 0.0297 |
| 2034 Feb | 69.7 | 0.00402 | 0.316 | 0.000691 | 14.1 | 0.0468 | 10.7 | 0.00000589 | 0.00683 | 0.00153 | 0.00629 | 0.0169 | 0.0000142 | 10.4 | 0.00000519 | 0.000132 | 0.000136 | 0.000531 | 0.0297 |
| 2034 Mar | 69.7 | 0.00402 | 0.316 | 0.000691 | 14.1 | 0.0468 | 10.7 | 0.00000589 | 0.00683 | 0.00153 | 0.00629 | 0.0169 | 0.0000142 | 10.4 | 0.00000519 | 0.000132 | 0.000136 | 0.000531 | 0.0297 |
| 2034 Apr | 69.7 | 0.00403 | 0.317 | 0.000691 | 14.2 | 0.0468 | 10.7 | 0.0000059 | 0.00684 | 0.00153 | 0.0063 | 0.0169 | 0.0000143 | 10.5 | 0.00000519 | 0.000132 | 0.000136 | 0.000531 | 0.0297 |
| 2034 May | 67 | 0.00442 | 0.297 | 0.000687 | 13.5 | 0.0459 | 10.3 | 0.00000587 | 0.00654 | 0.00145 | 0.00625 | 0.0164 | 0.000014 | 10 | 0.00000501 | 0.000127 | 0.000131 | 0.000514 | 0.0281 |
| 2034 Jun | 69.7 | 0.00685 | 0.292 | 0.000681 | 13.9 | 0.0465 | 10.2 | 0.00000573 | 0.00517 | 0.00136 | 0.00607 | 0.0174 | 0.0000135 | 10.2 | 0.00000393 | 0.000121 | 0.000121 | 0.000475 | 0.0257 |
| 2034 Jul | 76.8 | 0.00621 | 0.334 | 0.000698 | 15.5 | 0.0493 | 11.2 | 0.00000592 | 0.00564 | 0.00152 | 0.00631 | 0.0189 | 0.0000142 | 11.3 | 0.00000409 | 0.000132 | 0.000132 | 0.000509 | 0.0289 |
| 2034 Aug | 75.2 | 0.00613 | 0.323 | 0.000702 | 15.2 | 0.049 | 11 | 0.00000601 | 0.00572 | 0.00148 | 0.00638 | 0.0186 | 0.0000143 | 11.1 | 0.00000409 | 0.00013 | 0.000132 | 0.000506 | 0.0287 |
| 2034 Sep | 66.9 | 0.00643 | 0.275 | 0.000671 | 13.5 | 0.0455 | 9.77 | 0.00000586 | 0.00544 | 0.00129 | 0.00618 | 0.0167 | 0.0000136 | 9.88 | 0.00000386 | 0.000118 | 0.00012 | 0.000468 | 0.0262 |
| 2034 Oct | 63.7 | 0.00598 | 0.258 | 0.000595 | 12.9 | 0.0439 | 9.26 | 0.00000574 | 0.00565 | 0.00121 | 0.00603 | 0.0158 | 0.0000133 | 9.41 | 0.00000412 | 0.000113 | 0.000117 | 0.000463 | 0.0254 |
| 2034 Nov | 66.9 | 0.00568 | 0.277 | 0.000579 | 13.5 | 0.045 | 9.7 | 0.00000579 | 0.00589 | 0.00128 | 0.0061 | 0.0164 | 0.0000135 | 9.85 | 0.00000428 | 0.000117 | 0.000122 | 0.000481 | 0.0267 |
| 2034 Dec | 67 | 0.00567 | 0.278 | 0.000578 | 13.6 | 0.045 | 9.72 | 0.00000579 | 0.00589 | 0.00128 | 0.0061 | 0.0164 | 0.0000135 | 9.87 | 0.00000428 | 0.000117 | 0.000122 | 0.000481 | 0.0268 |
| 2035 Jan | 67.1 | 0.00568 | 0.278 | 0.000578 | 13.6 | 0.045 | 9.72 | 0.00000579 | 0.00589 | 0.00128 | 0.0061 | 0.0164 | 0.0000135 | 9.87 | 0.00000428 | 0.000117 | 0.000122 | 0.000481 | 0.0268 |
| 2035 Feb | 67.1 | 0.00568 | 0.278 | 0.000578 | 13.6 | 0.045 | 9.72 | 0.00000579 | 0.00589 | 0.00128 | 0.0061 | 0.0164 | 0.0000135 | 9.87 | 0.00000428 | 0.000117 | 0.000122 | 0.000481 | 0.0268 |
| 2035 Mar | 67.1 | 0.00568 | 0.278 | 0.000578 | 13.6 | 0.045 | 9.72 | 0.00000579 | 0.00589 | 0.00128 | 0.0061 | 0.0164 | 0.0000135 | 9.87 | 0.00000428 | 0.000117 | 0.000122 | 0.000481 | 0.0268 |
| 2035 Apr | 67.1 | 0.00569 | 0.279 | 0.000578 | 13.6 | 0.0451 | 9.73 | 0.0000058 | 0.0059 | 0.00128 | 0.00611 | 0.0164 | 0.0000135 | 9.88 | 0.00000428 | 0.000117 | 0.000122 | 0.000482 | 0.0268 |
| 2035 May | 67.2 | 0.00575 | 0.278 | 0.000582 | 13.6 | 0.0453 | 9.75 | 0.00000583 | 0.00591 | 0.00128 | 0.00614 | 0.0165 | 0.0000136 | 9.9 | 0.0000043 | 0.000118 | 0.000122 | 0.000483 | 0.0268 |
| 2035 Jun | 68.7 | 0.00668 | 0.265 | 0.000494 | 14 | 0.0463 | 9.58 | 0.00000562 | 0.00474 | 0.00118 | 0.00589 | 0.0172 | 0.0000129 | 9.98 | 0.00000367 | 0.000109 | 0.000119 | 0.000451 | 0.0237 |
| 2035 Jul | 78.3 | 0.00607 | 0.32 | 0.000449 | 16 | 0.0497 | 10.8 | 0.00000584 | 0.00531 | 0.00136 | 0.00615 | 0.0192 | 0.0000136 | 11.3 | 0.00000387 | 0.000122 | 0.000132 | 0.000494 | 0.0276 |
| 2035 Aug | 72.7 | 0.00574 | 0.288 | 0.000462 | 14.9 | 0.0476 | 10 | 0.00000583 | 0.00533 | 0.00125 | 0.00612 | 0.018 | 0.0000134 | 10.5 | 0.00000377 | 0.000115 | 0.000126 | 0.000474 | 0.0264 |
| 2035 Sep | 63.9 | 0.0056 | 0.247 | 0.000484 | 13 | 0.0429 | 8.81 | 0.00000565 | 0.00533 | 0.00108 | 0.00589 | 0.0158 | 0.0000128 | 9.3 | 0.00000354 | 0.000105 | 0.00011 | 0.000439 | 0.0249 |
| 2035 Oct | 66 | 0.00503 | 0.259 | 0.000523 | 13.5 | 0.0433 | 9.03 | 0.00000562 | 0.00583 | 0.00111 | 0.00587 | 0.0159 | 0.0000128 | 9.55 | 0.00000404 | 0.000106 | 0.000115 | 0.000461 | 0.0258 |
| 2035 Nov | 70.1 | 0.0045 | 0.282 | 0.00055 | 14.3 | 0.0449 | 9.54 | 0.00000566 | 0.00621 | 0.00118 | 0.00592 | 0.0167 | 0.0000129 | 10.1 | 0.0000044 | 0.000111 | 0.000122 | 0.000487 | 0.0271 |
| 2035 Dec | 70.7 | 0.00448 | 0.286 | 0.000553 | 14.4 | 0.045 | 9.62 | 0.00000567 | 0.00624 | 0.00119 | 0.00594 | 0.0168 | 0.000013 | 10.2 | 0.0000044 | 0.000111 | 0.000122 | 0.000489 | 0.0273 |
| 2036 Jan | 70.7 | 0.00449 | 0.286 | 0.000553 | 14.4 | 0.045 | 9.62 | 0.00000567 | 0.00624 | 0.00119 | 0.00594 | 0.0168 | 0.000013 | 10.2 | 0.0000044 | 0.000112 | 0.000122 | 0.000489 | 0.0273 |
| 2036 Feb | 70.7 | 0.00449 | 0.286 | 0.000553 | 14.4 | 0.045 | 9.62 | 0.00000567 | 0.00623 | 0.00119 | 0.00594 | 0.0168 | 0.000013 | 10.2 | 0.0000044 | 0.000112 | 0.000122 | 0.000489 | 0.0273 |
| 2036 Mar | 70.7 | 0.00449 | 0.286 | 0.000553 | 14.4 | 0.045 | 9.62 | 0.00000567 | 0.00623 | 0.00119 | 0.00594 | 0.0168 | 0.000013 | 10.2 | 0.0000044 | 0.000112 | 0.000122 | 0.000489 | 0.0273 |
| 2036 Apr | 70.8 | 0.0045 | 0.286 | 0.000554 | 14.5 | 0.0451 | 9.64 | 0.00000568 | 0.00624 | 0.0012 | 0.00595 | 0.0169 | 0.000013 | 10.2 | 0.00000441 | 0.000112 | 0.000123 | 0.00049 | 0.0274 |
| 2036 May | 71.3 | 0.00453 | 0.288 | 0.000558 | 14.6 | 0.0455 | 9.71 | 0.00000572 | 0.00629 | 0.0012 | 0.00599 | 0.017 | 0.0000131 | 10.3 | 0.00000444 | 0.000113 | 0.000123 | 0.000494 | 0.0276 |
| 2036 Jun | 66.4 | 0.00641 | 0.239 | 0.000527 | 13.6 | 0.0452 | 8.86 | 0.00000552 | 0.00468 | 0.00102 | 0.00573 | 0.0166 | 0.0000123 | 9.54 | 0.00000364 | 0.000099 | 0.000115 | 0.000435 | 0.0221 |
| 2036 Jul | 76.8 | 0.00554 | 0.297 | 0.000565 | 15.8 | 0.048 | 10 | 0.00000565 | 0.00521 | 0.00118 | 0.0059 | 0.0187 | 0.0000128 | 10.9 | 0.00000366 | 0.00011 | 0.000127 | 0.000473 | 0.0262 |
| 2036 Aug | 73 | 0.00519 | 0.277 | 0.000573 | 15 | 0.0467 | 9.55 | 0.00000569 | 0.00533 | 0.00111 | 0.00592 | 0.0179 | 0.0000128 | 10.4 | 0.00000362 | 0.000107 | 0.000125 | 0.000462 | 0.0258 |
| 2036 Sep | 67.4 | 0.00524 | 0.249 | 0.00057 | 13.8 | 0.0444 | 8.85 | 0.00000564 | 0.00526 | 0.00102 | 0.00585 | 0.0167 | 0.0000125 | 9.66 | 0.00000351 | 0.000101 | 0.000116 | 0.000441 | 0.0245 |
| 2036 Oct | 65.5 | 0.00517 | 0.242 | 0.000503 | 13.4 | 0.0431 | 8.58 | 0.00000556 | 0.00555 | 0.00098 | 0.00576 | 0.0159 | 0.0000123 | 9.36 | 0.00000381 | 0.0000982 | 0.000113 | 0.000444 | 0.0244 |
| 2036 Nov | 69.4 | 0.00488 | 0.263 | 0.000482 | 14.2 | 0.0443 | 9.04 | 0.0000056 | 0.00579 | 0.00104 | 0.00582 | 0.0167 | 0.0000125 | 9.87 | 0.00000396 | 0.000102 | 0.000118 | 0.000463 | 0.0257 |
| 2036 Dec | 69.5 | 0.00488 | 0.264 | 0.000481 | 14.2 | 0.0443 | 9.06 | 0.0000056 | 0.0058 | 0.00105 | 0.00582 | 0.0167 | 0.0000125 | 9.89 | 0.00000396 | 0.000102 | 0.000118 | 0.000463 | 0.0257 |
| 2037 Jan | 69.5 | 0.00488 | 0.264 | 0.000481 | 14.2 | 0.0443 | 9.06 | 0.0000056 | 0.0058 | 0.00105 | 0.00582 | 0.0167 | 0.0000125 | 9.89 | 0.00000396 | 0.000102 | 0.000118 | 0.000463 | 0.0257 |
| 2037 Feb | 69.5 | 0.00488 | 0.264 | 0.000481 | 14.2 | 0.0443 | 9.06 | 0.0000056 | 0.0058 | 0.00105 | 0.00582 | 0.0167 | 0.0000125 | 9.89 | 0.00000396 | 0.000102 | 0.000118 | 0.000463 | 0.0257 |
| 2037 Mar | 69.5 | 0.00489 | 0.264 | 0.000481 | 14.2 | 0.0443 | 9.06 | 0.0000056 | 0.0058 | 0.00105 | 0.00582 | 0.0167 | 0.0000125 | 9.89 | 0.00000396 | 0.000102 | 0.000118 | 0.000463 | 0.0257 |
| 2037 Apr | 69.6 | 0.00489 | 0.264 | 0.000481 | 14.2 | 0.0443 | 9.06 | 0.00000561 | 0.0058 | 0.00105 | 0.00582 | 0.0167 | 0.0000125 | 9.89 | 0.00000396 | 0.000103 | 0.000118 | 0.000464 | 0.0257 |
| 2037 May | 62.9 | 0.00577 | 0.225 | 0.000488 | 12.6 | 0.0422 | 8.27 | 0.00000551 | 0.00516 | 0.000916 | 0.00569 | 0.0155 | 0.0000121 | 8.95 | 0.00000366 | 0.0000944 | 0.000106 | 0.00043 | 0.0223 |
| 2037 Jun | 74.7 | 0.00729 | 0.275 | 0.000447 | 15.1 | 0.0457 | 9.38 | 0.00000542 | 0.00485 | 0.00101 | 0.00561 | 0.018 | 0.000012 | 10.4 | 0.00000339 | 0.000099 | 0.000113 | 0.000448 | 0.0238 |
| 2037 Jul | 78.9 | 0.00617 | 0.296 | 0.000451 | 16.1 | 0.0471 | 9.8 | 0.00000552 | 0.00522 | 0.00107 | 0.00572 | 0.0189 | 0.0000123 | 11 | 0.00000347 | 0.000103 | 0.000121 | 0.000466 | 0.0258 |
| 2037 Aug | 74.4 | 0.00583 | 0.273 | 0.000465 | 15.2 | 0.0457 | 9.26 | 0.00000556 | 0.00529 | 0.001 | 0.00575 | 0.018 | 0.0000123 | 10.4 | 0.00000343 | 0.0000995 | 0.000119 | 0.000453 | 0.0251 |
| 2037 Sep | 70.9 | 0.00587 | 0.255 | 0.000473 | 14.5 | 0.0446 | 8.86 | 0.00000558 | 0.00526 | 0.000951 | 0.00575 | 0.0173 | 0.0000122 | 9.94 | 0.0000034 | 0.0000968 | 0.000115 | 0.000443 | 0.0244 |
| 2037 Oct | 66.6 | 0.00578 | 0.232 | 0.000482 | 13.6 | 0.0433 | 8.36 | 0.00000552 | 0.00529 | 0.000886 | 0.00568 | 0.0163 | 0.000012 | 9.37 | 0.00000359 | 0.0000925 | 0.000112 | 0.000434 | 0.0232 |
| 2037 Nov | 67.5 | 0.00551 | 0.237 | 0.000492 | 13.8 | 0.0437 | 8.46 | 0.00000553 | 0.00545 | 0.000897 | 0.00569 | 0.0164 | 0.000012 | 9.48 | 0.00000375 | 0.0000932 | 0.000114 | 0.000442 | 0.0234 |
| 2037 Dec | 67.6 | 0.00551 | 0.238 | 0.000492 | 13.8 | 0.0437 | 8.47 | 0.00000553 | 0.00545 | 0.000899 | 0.00569 | 0.0164 | 0.000012 | 9.5 | 0.00000376 | 0.0000933 | 0.000114 | 0.000443 | 0.0235 |
| 2038 Jan | 67.6 | 0.00551 | 0.238 | 0.000492 | 13.8 | 0.0437 | 8.47 | 0.00000553 | 0.00545 | 0.000899 | 0.00569 | 0.0164 | 0.000012 | 9.5 | 0.00000375 | 0.0000933 | 0.000114 | 0.000443 | 0.0235 |
| 2038 Feb | 67.6 | 0.00551 | 0.238 | 0.000492 | 13.8 | 0.0437 | 8.47 | 0.00000553 | 0.00545 | 0.000899 | 0.00569 | 0.0164 | 0.000012 | 9.5 | 0.00000375 | 0.0000933 | 0.000114 | 0.000443 | 0.0235 |
| 2038 Mar | 67.6 | 0.00551 | 0.238 | 0.000492 | 13.8 | 0.0437 | 8.47 | 0.00000553 | 0.00545 | 0.000899 | 0.00569 | 0.0164 | 0.000012 | 9.5 | 0.00000375 | 0.0000933 | 0.000114 | 0.000443 | 0.0235 |
| 2038 Apr | 67.6 | 0.00552 | 0.238 | 0.000493 | 13.8 | 0.0437 | 8.48 | 0.00000553 | 0.00545 | 0.0009 | 0.00569 | 0.0164 | 0.0000121 | 9.5 | 0.00000376 | 0.0000934 | 0.000114 | 0.000443 | 0.0235 |
| 2038 May | 64.2 | 0.00595 | 0.219 | 0.000517 | 13 | 0.0427 | 8.1 | 0.0000055 | 0.00515 | 0.000841 | 0.00565 | 0.0158 | 0.0000119 | 9.03 | 0.00000363 | 0.0000898 | 0.000108 | 0.000427 | 0.0218 |
| 2038 Jun | 74.3 | 0.00712 | 0.264 | 0.000617 | 14.9 | 0.0451 | 9.08 | 0.00000543 | 0.0049 | 0.000921 | 0.00559 | 0.0179 | 0.0000118 | 10.2 | 0.00000335 | 0.0000942 | 0.000109 | 0.000444 | 0.0232 |
| 2038 Jul | 77.7 | 0.00693 | 0.278 | 0.000611 | 15.7 | 0.0469 | 9.44 | 0.00000559 | 0.00511 | 0.000961 | 0.00576 | 0.0187 | 0.0000122 | 10.7 | 0.00000345 | 0.0000977 | 0.000116 | 0.00046 | 0.0244 |
| 2038 Aug | 73.2 | 0.00661 | 0.255 | 0.000612 | 14.8 | 0.0456 | 8.93 | 0.00000565 | 0.00517 | 0.000903 | 0.0058 | 0.0177 | 0.0000122 | 10.1 | 0.00000342 | 0.0000947 | 0.000113 | 0.000448 | 0.0237 |
| 2038 Sep | 67.4 | 0.00677 | 0.227 | 0.000602 | 13.6 | 0.0435 | 8.29 | 0.0000056 | 0.00504 | 0.000829 | 0.00574 | 0.0165 | 0.000012 | 9.39 | 0.00000333 | 0.0000901 | 0.000106 | 0.000427 | 0.0225 |
| 2038 Oct | 62.6 | 0.00664 | 0.206 | 0.000594 | 12.7 | 0.0416 | 7.74 | 0.0000055 | 0.00506 | 0.000765 | 0.00562 | 0.0153 | 0.0000117 | 8.76 | 0.00000343 | 0.0000857 | 0.000102 | 0.000415 | 0.0215 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 63.9 | 0.00653 | 0.212 | 0.000598 | 12.9 | 0.0419 | 7.87 | 0.00000551 | 0.00514 | 0.000781 | 0.00564 | 0.0156 | 0.0000118 | 8.92 | 0.00000347 | 0.0000867 | 0.000103 | 0.00042 | 0.0219 |
| 2038 Dec | 63.9 | 0.00653 | 0.212 | 0.000598 | 12.9 | 0.0419 | 7.87 | 0.00000551 | 0.00514 | 0.000781 | 0.00564 | 0.0156 | 0.0000118 | 8.92 | 0.00000347 | 0.0000867 | 0.000103 | 0.00042 | 0.0219 |
| 2039 Jan | 63.9 | 0.00653 | 0.212 | 0.000599 | 12.9 | 0.0419 | 7.87 | 0.00000551 | 0.00514 | 0.000781 | 0.00564 | 0.0156 | 0.0000118 | 8.92 | 0.00000347 | 0.0000867 | 0.000103 | 0.00042 | 0.0219 |
| 2039 Feb | 63.9 | 0.00653 | 0.212 | 0.000599 | 12.9 | 0.0419 | 7.88 | 0.00000551 | 0.00514 | 0.000781 | 0.00564 | 0.0156 | 0.0000118 | 8.92 | 0.00000347 | 0.0000867 | 0.000103 | 0.00042 | 0.0219 |
| 2039 Mar | 63.9 | 0.00653 | 0.212 | 0.000599 | 12.9 | 0.0419 | 7.88 | 0.00000551 | 0.00514 | 0.000782 | 0.00564 | 0.0156 | 0.0000118 | 8.92 | 0.00000347 | 0.0000867 | 0.000103 | 0.00042 | 0.0219 |
| 2039 Apr | 63.9 | 0.00654 | 0.212 | 0.000599 | 12.9 | 0.042 | 7.88 | 0.00000552 | 0.00514 | 0.000782 | 0.00564 | 0.0156 | 0.0000118 | 8.93 | 0.00000347 | 0.0000868 | 0.000103 | 0.000421 | 0.0219 |
| 2039 May | 64.2 | 0.00657 | 0.213 | 0.000602 | 13 | 0.0422 | 7.92 | 0.00000554 | 0.00517 | 0.000786 | 0.00567 | 0.0156 | 0.0000119 | 8.97 | 0.00000348 | 0.0000872 | 0.000104 | 0.000423 | 0.022 |
| 2039 Jun | 67.3 | 0.00692 | 0.215 | 0.000552 | 13.8 | 0.0444 | 8.14 | 0.00000539 | 0.00432 | 0.000776 | 0.0055 | 0.0167 | 0.0000115 | 9.37 | 0.00000322 | 0.0000843 | 0.000108 | 0.00041 | 0.0202 |
| 2039 Jul | 74.2 | 0.00525 | 0.254 | 0.000577 | 15.3 | 0.0455 | 8.74 | 0.00000544 | 0.00502 | 0.000848 | 0.00557 | 0.018 | 0.0000117 | 10.2 | 0.00000326 | 0.0000896 | 0.000118 | 0.000437 | 0.0236 |
| 2039 Aug | 72.4 | 0.00435 | 0.249 | 0.000544 | 14.9 | 0.0443 | 8.5 | 0.00000552 | 0.00545 | 0.00083 | 0.00564 | 0.0175 | 0.0000118 | 9.99 | 0.00000328 | 0.0000895 | 0.00012 | 0.000437 | 0.0246 |
| 2039 Sep | 67.2 | 0.00478 | 0.225 | 0.000539 | 13.8 | 0.0425 | 7.95 | 0.0000055 | 0.00533 | 0.000769 | 0.00561 | 0.0163 | 0.0000117 | 9.32 | 0.00000322 | 0.0000859 | 0.000112 | 0.00042 | 0.0235 |
| 2039 Oct | 66.6 | 0.00499 | 0.223 | 0.000524 | 13.7 | 0.0421 | 7.89 | 0.00000549 | 0.00533 | 0.00076 | 0.0056 | 0.0161 | 0.0000116 | 9.23 | 0.00000321 | 0.0000854 | 0.00011 | 0.000418 | 0.0235 |
| 2039 Nov | 66.6 | 0.00499 | 0.223 | 0.000524 | 13.7 | 0.0421 | 7.9 | 0.00000549 | 0.00534 | 0.000761 | 0.0056 | 0.0161 | 0.0000117 | 9.24 | 0.00000322 | 0.0000855 | 0.00011 | 0.000419 | 0.0235 |
| 2039 Dec | 66.6 | 0.00499 | 0.223 | 0.000524 | 13.7 | 0.0421 | 7.89 | 0.00000549 | 0.00534 | 0.000761 | 0.0056 | 0.0161 | 0.0000117 | 9.24 | 0.00000322 | 0.0000855 | 0.00011 | 0.000419 | 0.0235 |
| 2040 Jan | 66.6 | 0.005 | 0.223 | 0.000524 | 13.7 | 0.0421 | 7.89 | 0.00000549 | 0.00533 | 0.00076 | 0.0056 | 0.0161 | 0.0000117 | 9.23 | 0.00000322 | 0.0000855 | 0.00011 | 0.000419 | 0.0235 |
| 2040 Feb | 66.6 | 0.005 | 0.223 | 0.000524 | 13.7 | 0.0421 | 7.89 | 0.00000549 | 0.00533 | 0.00076 | 0.0056 | 0.0161 | 0.0000117 | 9.23 | 0.00000322 | 0.0000854 | 0.00011 | 0.000419 | 0.0235 |
| 2040 Mar | 66.6 | 0.005 | 0.223 | 0.000524 | 13.7 | 0.0421 | 7.89 | 0.00000549 | 0.00533 | 0.00076 | 0.0056 | 0.0161 | 0.0000117 | 9.23 | 0.00000322 | 0.0000855 | 0.00011 | 0.000419 | 0.0235 |
| 2040 Apr | 66.6 | 0.005 | 0.223 | 0.000525 | 13.7 | 0.0421 | 7.89 | 0.00000549 | 0.00534 | 0.000761 | 0.0056 | 0.0161 | 0.0000117 | 9.24 | 0.00000322 | 0.0000855 | 0.00011 | 0.000419 | 0.0235 |
| 2040 May | 64.2 | 0.00528 | 0.21 | 0.000525 | 13.1 | 0.0415 | 7.66 | 0.00000548 | 0.00515 | 0.000729 | 0.00559 | 0.0157 | 0.0000116 | 8.91 | 0.00000319 | 0.0000835 | 0.000107 | 0.00041 | 0.0223 |
| 2040 Jun | 73 | 0.00649 | 0.241 | 0.000511 | 14.8 | 0.0447 | 8.51 | 0.00000536 | 0.00462 | 0.000776 | 0.00547 | 0.0176 | 0.0000114 | 9.94 | 0.00000316 | 0.0000851 | 0.000107 | 0.000425 | 0.0216 |
| 2040 Jul | 78.4 | 0.00583 | 0.267 | 0.000459 | 16 | 0.0465 | 9.03 | 0.00000547 | 0.00501 | 0.000833 | 0.00558 | 0.0187 | 0.0000116 | 10.7 | 0.00000326 | 0.0000892 | 0.000115 | 0.000447 | 0.0237 |
| 2040 Aug | 72 | 0.0052 | 0.239 | 0.000466 | 14.7 | 0.0442 | 8.32 | 0.00000548 | 0.00515 | 0.000767 | 0.00558 | 0.0174 | 0.0000116 | 9.84 | 0.0000032 | 0.0000856 | 0.000113 | 0.000429 | 0.0231 |
| 2040 Sep | 67.3 | 0.00469 | 0.221 | 0.000475 | 13.8 | 0.0419 | 7.79 | 0.00000543 | 0.00528 | 0.000719 | 0.00552 | 0.0162 | 0.0000114 | 9.25 | 0.00000314 | 0.0000827 | 0.000104 | 0.000415 | 0.0229 |
| 2040 Oct | 69.2 | 0.00468 | 0.23 | 0.000479 | 14.2 | 0.0424 | 7.98 | 0.00000546 | 0.00537 | 0.000737 | 0.00556 | 0.0165 | 0.0000115 | 9.48 | 0.00000318 | 0.0000841 | 0.000106 | 0.000423 | 0.0235 |
| 2040 Nov | 69.2 | 0.00468 | 0.23 | 0.000479 | 14.2 | 0.0425 | 7.98 | 0.00000547 | 0.00538 | 0.000738 | 0.00556 | 0.0165 | 0.0000115 | 9.48 | 0.00000319 | 0.0000841 | 0.000106 | 0.000423 | 0.0235 |
| 2040 Dec | 69.1 | 0.00469 | 0.23 | 0.000479 | 14.2 | 0.0425 | 7.98 | 0.00000547 | 0.00538 | 0.000737 | 0.00556 | 0.0165 | 0.0000115 | 9.48 | 0.00000319 | 0.0000841 | 0.000106 | 0.000423 | 0.0235 |
| 2041 Jan | 69.1 | 0.00469 | 0.23 | 0.000479 | 14.2 | 0.0424 | 7.98 | 0.00000547 | 0.00538 | 0.000737 | 0.00556 | 0.0165 | 0.0000115 | 9.47 | 0.00000319 | 0.0000841 | 0.000106 | 0.000423 | 0.0235 |
| 2041 Feb | 69.1 | 0.00469 | 0.23 | 0.000479 | 14.1 | 0.0424 | 7.98 | 0.00000547 | 0.00538 | 0.000737 | 0.00556 | 0.0165 | 0.0000115 | 9.47 | 0.00000319 | 0.0000841 | 0.000106 | 0.000423 | 0.0235 |
| 2041 Mar | 69.1 | 0.00469 | 0.23 | 0.000479 | 14.2 | 0.0424 | 7.98 | 0.00000547 | 0.00538 | 0.000737 | 0.00556 | 0.0165 | 0.0000115 | 9.47 | 0.00000319 | 0.0000841 | 0.000106 | 0.000423 | 0.0235 |
| 2041 Apr | 69.1 | 0.00469 | 0.23 | 0.00048 | 14.2 | 0.0425 | 7.98 | 0.00000547 | 0.00538 | 0.000737 | 0.00557 | 0.0165 | 0.0000115 | 9.48 | 0.00000319 | 0.0000841 | 0.000106 | 0.000423 | 0.0235 |
| 2041 May | 68.3 | 0.00481 | 0.225 | 0.000482 | 13.9 | 0.0423 | 7.9 | 0.00000548 | 0.00532 | 0.000727 | 0.00557 | 0.0164 | 0.0000115 | 9.36 | 0.00000318 | 0.0000836 | 0.000105 | 0.00042 | 0.0231 |
| 2041 Jun | 66.1 | 0.00628 | 0.202 | 0.000462 | 13.6 | 0.0433 | 7.7 | 0.00000536 | 0.0044 | 0.000678 | 0.00544 | 0.0164 | 0.0000112 | 9.11 | 0.00000306 | 0.0000787 | 0.000105 | 0.000399 | 0.0198 |
| 2041 Jul | 76.8 | 0.00534 | 0.254 | 0.000437 | 15.9 | 0.046 | 8.67 | 0.00000541 | 0.00495 | 0.000772 | 0.0055 | 0.0184 | 0.0000114 | 10.4 | 0.00000317 | 0.0000849 | 0.000117 | 0.000436 | 0.0233 |
| 2041 Aug | 69.8 | 0.00403 | 0.229 | 0.00048 | 14.4 | 0.0425 | 7.87 | 0.00000539 | 0.00537 | 0.000705 | 0.00547 | 0.0168 | 0.0000113 | 9.52 | 0.00000311 | 0.0000815 | 0.000112 | 0.000418 | 0.0235 |
| 2041 Sep | 68.1 | 0.00415 | 0.223 | 0.0005 | 14 | 0.0416 | 7.69 | 0.00000538 | 0.00541 | 0.000688 | 0.00546 | 0.0163 | 0.0000113 | 9.3 | 0.0000031 | 0.0000806 | 0.000107 | 0.000414 | 0.0234 |
| 2041 Oct | 68.9 | 0.00459 | 0.229 | 0.000537 | 14.2 | 0.0413 | 7.78 | 0.00000536 | 0.00546 | 0.000692 | 0.00544 | 0.0163 | 0.0000112 | 9.39 | 0.00000312 | 0.000081 | 0.000105 | 0.000418 | 0.0239 |
| 2041 Nov | 70.5 | 0.00451 | 0.236 | 0.000545 | 14.5 | 0.0418 | 7.93 | 0.00000537 | 0.00554 | 0.000707 | 0.00546 | 0.0166 | 0.0000113 | 9.59 | 0.00000316 | 0.000082 | 0.000106 | 0.000424 | 0.0243 |
| 2041 Dec | 70.5 | 0.00452 | 0.236 | 0.000545 | 14.5 | 0.0418 | 7.93 | 0.00000537 | 0.00554 | 0.000707 | 0.00546 | 0.0166 | 0.0000113 | 9.58 | 0.00000316 | 0.000082 | 0.000106 | 0.000424 | 0.0243 |
| 2042 Jan | 70.5 | 0.00452 | 0.236 | 0.000545 | 14.5 | 0.0418 | 7.93 | 0.00000537 | 0.00554 | 0.000707 | 0.00546 | 0.0166 | 0.0000113 | 9.58 | 0.00000316 | 0.000082 | 0.000106 | 0.000424 | 0.0243 |
| 2042 Feb | 70.5 | 0.00452 | 0.236 | 0.000545 | 14.5 | 0.0418 | 7.93 | 0.00000537 | 0.00554 | 0.000707 | 0.00546 | 0.0166 | 0.0000113 | 9.58 | 0.00000316 | 0.000082 | 0.000106 | 0.000424 | 0.0243 |
| 2042 Mar | 70.5 | 0.00452 | 0.236 | 0.000545 | 14.5 | 0.0418 | 7.93 | 0.00000537 | 0.00554 | 0.000707 | 0.00546 | 0.0166 | 0.0000113 | 9.58 | 0.00000316 | 0.000082 | 0.000106 | 0.000424 | 0.0243 |
| 2042 Apr | 70.6 | 0.00453 | 0.236 | 0.000546 | 14.5 | 0.0418 | 7.94 | 0.00000538 | 0.00554 | 0.000708 | 0.00546 | 0.0166 | 0.0000113 | 9.59 | 0.00000316 | 0.0000821 | 0.000106 | 0.000424 | 0.0243 |
| 2042 May | 69.5 | 0.00469 | 0.23 | 0.000548 | 14.2 | 0.0417 | 7.85 | 0.0000054 | 0.00547 | 0.000696 | 0.00548 | 0.0164 | 0.0000113 | 9.46 | 0.00000316 | 0.0000815 | 0.000105 | 0.000421 | 0.0238 |
| 2042 Jun | 68.3 | 0.00632 | 0.21 | 0.000542 | 14.1 | 0.0435 | 7.78 | 0.0000053 | 0.00442 | 0.000658 | 0.00536 | 0.0167 | 0.000011 | 9.34 | 0.00000303 | 0.0000772 | 0.000105 | 0.000402 | 0.0201 |
| 2042 Jul | 75.2 | 0.00508 | 0.245 | 0.000597 | 15.5 | 0.0448 | 8.33 | 0.00000533 | 0.00499 | 0.000712 | 0.0054 | 0.018 | 0.0000111 | 10.2 | 0.00000309 | 0.0000811 | 0.000115 | 0.000426 | 0.023 |
| 2042 Aug | 68.9 | 0.00354 | 0.225 | 0.000519 | 14.2 | 0.0413 | 7.6 | 0.0000053 | 0.00547 | 0.000656 | 0.00536 | 0.0164 | 0.000011 | 9.35 | 0.00000304 | 0.0000782 | 0.000109 | 0.000411 | 0.0235 |
| 2042 Sep | 66.8 | 0.00383 | 0.217 | 0.000489 | 13.8 | 0.0402 | 7.39 | 0.00000528 | 0.00547 | 0.000635 | 0.00534 | 0.0158 | 0.0000109 | 9.07 | 0.00000301 | 0.0000771 | 0.000102 | 0.000405 | 0.0233 |
| 2042 Oct | 69.3 | 0.00428 | 0.228 | 0.000502 | 14.3 | 0.0409 | 7.64 | 0.00000522 | 0.00574 | 0.000647 | 0.00528 | 0.016 | 0.0000108 | 9.35 | 0.00000351 | 0.0000774 | 0.000104 | 0.000427 | 0.0235 |
| 2042 Nov | 74.1 | 0.0041 | 0.25 | 0.000511 | 15.3 | 0.0423 | 8.1 | 0.00000525 | 0.00593 | 0.000689 | 0.00532 | 0.017 | 0.0000109 | 9.95 | 0.00000359 | 0.0000801 | 0.000108 | 0.000444 | 0.0247 |
| 2042 Dec | 74.3 | 0.0041 | 0.251 | 0.000511 | 15.3 | 0.0423 | 8.12 | 0.00000525 | 0.00594 | 0.00069 | 0.00532 | 0.017 | 0.0000109 | 9.97 | 0.00000359 | 0.0000802 | 0.000109 | 0.000444 | 0.0248 |
| 2043 Jan | 74.3 | 0.00411 | 0.251 | 0.000511 | 15.3 | 0.0423 | 8.12 | 0.00000525 | 0.00593 | 0.00069 | 0.00532 | 0.017 | 0.0000109 | 9.97 | 0.00000359 | 0.0000802 | 0.000108 | 0.000444 | 0.0248 |
| 2043 Feb | 74.3 | 0.00411 | 0.251 | 0.000511 | 15.3 | 0.0423 | 8.12 | 0.00000525 | 0.00593 | 0.00069 | 0.00532 | 0.017 | 0.0000109 | 9.97 | 0.00000359 | 0.0000802 | 0.000108 | 0.000444 | 0.0248 |
| 2043 Mar | 74.3 | 0.00411 | 0.251 | 0.000511 | 15.3 | 0.0423 | 8.12 | 0.00000525 | 0.00593 | 0.00069 | 0.00532 | 0.017 | 0.0000109 | 9.97 | 0.00000359 | 0.0000802 | 0.000108 | 0.000444 | 0.0248 |
| 2043 Apr | 74.4 | 0.00412 | 0.251 | 0.000512 | 15.3 | 0.0424 | 8.13 | 0.00000526 | 0.00594 | 0.000691 | 0.00533 | 0.017 | 0.0000109 | 9.98 | 0.00000359 | 0.0000804 | 0.000109 | 0.000445 | 0.0248 |
| 2043 May | 71.7 | 0.00445 | 0.237 | 0.000517 | 14.7 | 0.0419 | 7.9 | 0.00000528 | 0.00574 | 0.000665 | 0.00534 | 0.0166 | 0.0000109 | 9.64 | 0.00000354 | 0.0000789 | 0.000106 | 0.000435 | 0.0237 |
| 2043 Jun | 73.7 | 0.00691 | 0.233 | 0.00051 | 14.9 | 0.0437 | 8.12 | 0.00000519 | 0.00456 | 0.00065 | 0.00525 | 0.0176 | 0.0000107 | 9.85 | 0.00000303 | 0.0000768 | 0.000102 | 0.000414 | 0.0207 |
| 2043 Jul | 79.8 | 0.00637 | 0.259 | 0.000526 | 16.3 | 0.0461 | 8.68 | 0.00000533 | 0.00487 | 0.000701 | 0.00539 | 0.0189 | 0.000011 | 10.6 | 0.00000312 | 0.0000807 | 0.000111 | 0.000437 | 0.0227 |
| 2043 Aug | 67.8 | 0.00528 | 0.209 | 0.000536 | 13.9 | 0.0418 | 7.48 | 0.0000053 | 0.00496 | 0.000607 | 0.00534 | 0.0163 | 0.0000109 | 9.17 | 0.00000301 | 0.0000751 | 0.0001 | 0.000403 | 0.0212 |
| 2043 Sep | 65.9 | 0.0044 | 0.207 | 0.000574 | 13.5 | 0.0401 | 7.22 | 0.00000525 | 0.00524 | 0.00059 | 0.00529 | 0.0156 | 0.0000108 | 8.91 | 0.00000297 | 0.0000741 | 0.0000952 | 0.000398 | 0.022 |
| 2043 Oct | 68.3 | 0.00445 | 0.218 | 0.000552 | 14 | 0.0406 | 7.44 | 0.00000526 | 0.00534 | 0.000608 | 0.00531 | 0.016 | 0.0000108 | 9.2 | 0.000003 | 0.0000754 | 0.0000967 | 0.000407 | 0.0228 |
| 2043 Nov | 68.5 | 0.00445 | 0.219 | 0.000551 | 14.1 | 0.0406 | 7.46 | 0.00000527 | 0.00535 | 0.00061 | 0.00532 | 0.0161 | 0.0000108 | 9.22 | 0.00000301 | 0.0000756 | 0.000097 | 0.000408 | 0.0228 |
| 2043 Dec | 68.4 | 0.00445 | 0.219 | 0.000551 | 14.1 | 0.0406 | 7.46 | 0.00000527 | 0.00535 | 0.00061 | 0.00532 | 0.0161 | 0.0000108 | 9.22 | 0.00000301 | 0.0000756 | 0.0000969 | 0.000408 | 0.0228 |
| 2044 Jan | 68.4 | 0.00445 | 0.219 | 0.000551 | 14 | 0.0406 | 7.46 | 0.00000527 | 0.00535 | 0.000609 | 0.00532 | 0.016 | 0.0000108 | 9.21 | 0.00000301 | 0.0000755 | 0.0000969 | 0.000408 | 0.0228 |
| 2044 Feb | 68.4 | 0.00446 | 0.219 | 0.000551 | 14 | 0.0406 | 7.45 | 0.00000527 | 0.00535 | 0.000609 | 0.00532 | 0.016 | 0.0000108 | 9.21 | 0.00000301 | 0.0000755 | 0.0000969 | 0.000407 | 0.0228 |
| 2044 Mar | 68.4 | 0.00446 | 0.219 | 0.000551 | 14 | 0.0406 | 7.45 | 0.00000527 | 0.00535 | 0.000609 | 0.00532 | 0.016 | 0.0000108 | 9.21 | 0.00000301 | 0.0000755 | 0.0000969 | 0.000408 | 0.0228 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 68.5 | 0.00446 | 0.219 | 0.000552 | 14.1 | 0.0407 | 7.46 | 0.00000527 | 0.00535 | 0.00061 | 0.00532 | 0.0161 | 0.0000108 | 9.22 | 0.00000302 | 0.0000756 | 0.000097 | 0.000408 | 0.0228 |
| 2044 May | 68.2 | 0.00454 | 0.217 | 0.000554 | 14 | 0.0407 | 7.45 | 0.0000053 | 0.00534 | 0.000607 | 0.00535 | 0.016 | 0.0000109 | 9.19 | 0.00000302 | 0.0000756 | 0.0000968 | 0.000408 | 0.0227 |
| 2044 Jun | 68.9 | 0.00637 | 0.205 | 0.000576 | 14.2 | 0.0432 | 7.6 | 0.00000516 | 0.00417 | 0.000592 | 0.0052 | 0.0168 | 0.0000106 | 9.31 | 0.00000291 | 0.0000724 | 0.000102 | 0.000392 | 0.019 |
| 2044 Jul | 76.8 | 0.00589 | 0.24 | 0.000615 | 15.9 | 0.0457 | 8.31 | 0.00000529 | 0.00458 | 0.000651 | 0.00533 | 0.0184 | 0.0000109 | 10.3 | 0.00000302 | 0.0000769 | 0.000111 | 0.000421 | 0.0214 |
| 2044 Aug | 72.3 | 0.0056 | 0.22 | 0.00061 | 14.9 | 0.0444 | 7.88 | 0.00000536 | 0.00471 | 0.000619 | 0.0054 | 0.0175 | 0.000011 | 9.75 | 0.00000303 | 0.0000757 | 0.000109 | 0.000412 | 0.0211 |
| 2044 Sep | 63.8 | 0.00525 | 0.189 | 0.000552 | 13.1 | 0.0405 | 7.02 | 0.00000526 | 0.0048 | 0.000553 | 0.0053 | 0.0154 | 0.0000107 | 8.67 | 0.00000293 | 0.0000715 | 0.0000969 | 0.000387 | 0.0204 |
| 2044 Oct | 65.4 | 0.00492 | 0.199 | 0.000516 | 13.5 | 0.0407 | 7.16 | 0.00000523 | 0.00522 | 0.000563 | 0.00526 | 0.0155 | 0.0000107 | 8.84 | 0.00000336 | 0.000072 | 0.0000999 | 0.000406 | 0.021 |
| 2044 Nov | 69 | 0.00456 | 0.215 | 0.000512 | 14.2 | 0.0418 | 7.48 | 0.00000524 | 0.00549 | 0.000588 | 0.00527 | 0.0161 | 0.0000107 | 9.27 | 0.00000358 | 0.0000736 | 0.000104 | 0.000423 | 0.0219 |
| 2044 Dec | 69.3 | 0.00455 | 0.216 | 0.000512 | 14.3 | 0.0419 | 7.51 | 0.00000524 | 0.0055 | 0.000591 | 0.00528 | 0.0162 | 0.0000107 | 9.31 | 0.00000358 | 0.0000738 | 0.000104 | 0.000424 | 0.022 |
| 2045 Jan | 69.3 | 0.00456 | 0.216 | 0.000512 | 14.3 | 0.0419 | 7.51 | 0.00000524 | 0.0055 | 0.000591 | 0.00528 | 0.0162 | 0.0000107 | 9.31 | 0.00000358 | 0.0000738 | 0.000104 | 0.000424 | 0.022 |
| 2045 Feb | 69.3 | 0.00456 | 0.216 | 0.000512 | 14.3 | 0.0419 | 7.51 | 0.00000524 | 0.0055 | 0.000591 | 0.00528 | 0.0162 | 0.0000107 | 9.31 | 0.00000358 | 0.0000738 | 0.000104 | 0.000424 | 0.022 |
| 2045 Mar | 69.3 | 0.00456 | 0.216 | 0.000512 | 14.3 | 0.0419 | 7.51 | 0.00000524 | 0.0055 | 0.000591 | 0.00528 | 0.0162 | 0.0000107 | 9.31 | 0.00000358 | 0.0000738 | 0.000104 | 0.000424 | 0.022 |
| 2045 Apr | 69.3 | 0.00456 | 0.216 | 0.000513 | 14.3 | 0.0419 | 7.51 | 0.00000524 | 0.0055 | 0.000591 | 0.00528 | 0.0162 | 0.0000107 | 9.31 | 0.00000358 | 0.0000738 | 0.000105 | 0.000424 | 0.022 |
| 2045 May | 69.6 | 0.00459 | 0.217 | 0.000515 | 14.4 | 0.0421 | 7.55 | 0.00000527 | 0.00553 | 0.000594 | 0.00531 | 0.0163 | 0.0000108 | 9.36 | 0.0000036 | 0.0000742 | 0.000105 | 0.000426 | 0.0221 |
| 2045 Jun | 67.4 | 0.00628 | 0.196 | 0.00048 | 14 | 0.0432 | 7.42 | 0.0000052 | 0.00434 | 0.000567 | 0.00523 | 0.0165 | 0.0000106 | 9.13 | 0.00000314 | 0.000071 | 0.000104 | 0.000395 | 0.0188 |
| 2045 Jul | 76 | 0.00619 | 0.231 | 0.000437 | 15.8 | 0.0461 | 8.21 | 0.00000533 | 0.00453 | 0.000628 | 0.00537 | 0.0183 | 0.0000109 | 10.2 | 0.00000311 | 0.0000757 | 0.000112 | 0.000421 | 0.0209 |
| 2045 Aug | 74.3 | 0.0061 | 0.223 | 0.000449 | 15.4 | 0.0458 | 8.06 | 0.00000543 | 0.00464 | 0.000617 | 0.00546 | 0.018 | 0.0000111 | 10 | 0.00000314 | 0.0000758 | 0.000111 | 0.00042 | 0.0209 |
| 2045 Sep | 68.9 | 0.00616 | 0.201 | 0.000457 | 14.3 | 0.0439 | 7.55 | 0.00000541 | 0.0046 | 0.000578 | 0.00544 | 0.0168 | 0.000011 | 9.34 | 0.00000309 | 0.0000734 | 0.000105 | 0.000404 | 0.0201 |
| 2045 Oct | 67.6 | 0.00628 | 0.195 | 0.00046 | 14 | 0.0434 | 7.43 | 0.00000541 | 0.00459 | 0.000568 | 0.00544 | 0.0165 | 0.000011 | 9.17 | 0.00000308 | 0.0000729 | 0.000104 | 0.000401 | 0.0199 |
| 2045 Nov | 67.5 | 0.00628 | 0.195 | 0.00046 | 14 | 0.0434 | 7.43 | 0.00000541 | 0.00459 | 0.000568 | 0.00545 | 0.0165 | 0.000011 | 9.17 | 0.00000309 | 0.0000729 | 0.000104 | 0.000401 | 0.0199 |
| 2045 Dec | 67.5 | 0.00628 | 0.195 | 0.00046 | 14 | 0.0434 | 7.42 | 0.00000542 | 0.00459 | 0.000568 | 0.00545 | 0.0165 | 0.000011 | 9.17 | 0.00000309 | 0.0000729 | 0.000104 | 0.000401 | 0.0199 |
| 2046 Jan | 67.5 | 0.00629 | 0.195 | 0.00046 | 14 | 0.0434 | 7.42 | 0.00000542 | 0.00459 | 0.000568 | 0.00545 | 0.0165 | 0.000011 | 9.17 | 0.00000309 | 0.0000729 | 0.000104 | 0.000401 | 0.0199 |
| 2046 Feb | 67.5 | 0.00629 | 0.195 | 0.00046 | 14 | 0.0434 | 7.42 | 0.00000542 | 0.00459 | 0.000568 | 0.00545 | 0.0165 | 0.000011 | 9.16 | 0.00000309 | 0.0000729 | 0.000104 | 0.000401 | 0.0199 |
| 2046 Mar | 67.5 | 0.00629 | 0.195 | 0.00046 | 14 | 0.0434 | 7.42 | 0.00000542 | 0.00459 | 0.000568 | 0.00545 | 0.0165 | 0.000011 | 9.17 | 0.00000309 | 0.0000729 | 0.000104 | 0.000401 | 0.0199 |
| 2046 Apr | 67.6 | 0.0063 | 0.195 | 0.000461 | 14 | 0.0435 | 7.43 | 0.00000542 | 0.0046 | 0.000569 | 0.00546 | 0.0165 | 0.000011 | 9.18 | 0.00000309 | 0.000073 | 0.000104 | 0.000401 | 0.0199 |
| 2046 May | 67.9 | 0.00633 | 0.196 | 0.000463 | 14.1 | 0.0437 | 7.47 | 0.00000545 | 0.00462 | 0.000572 | 0.00548 | 0.0166 | 0.0000111 | 9.23 | 0.00000311 | 0.0000734 | 0.000105 | 0.000403 | 0.02 |
| 2046 Jun | 87.2 | 0.00502 | 0.277 | 0.000433 | 17.8 | 0.0496 | 10.2 | 0.00000542 | 0.00596 | 0.00259 | 0.00546 | 0.0203 | 0.0000112 | 11.8 | 0.00000349 | 0.0000871 | 0.000126 | 0.000506 | 0.0268 |
| 2046 Jul | 102 | 0.00266 | 0.343 | 0.000512 | 20.6 | 0.0544 | 12.8 | 0.00000558 | 0.00799 | 0.00509 | 0.00562 | 0.0231 | 0.0000117 | 13.9 | 0.00000408 | 0.000103 | 0.000149 | 0.000622 | 0.0352 |
| 2046 Aug | 96.5 | 0.00236 | 0.318 | 0.000547 | 19.4 | 0.0525 | 12.2 | 0.00000561 | 0.00804 | 0.00495 | 0.00565 | 0.0219 | 0.0000118 | 13.1 | 0.00000404 | 0.000101 | 0.000144 | 0.000605 | 0.0343 |
| 2046 Sep | 91.2 | 0.00258 | 0.295 | 0.000664 | 18.1 | 0.051 | 12.1 | 0.00000556 | 0.00833 | 0.00564 | 0.0056 | 0.0207 | 0.0000117 | 12.6 | 0.00000412 | 0.000101 | 0.000139 | 0.000611 | 0.0343 |
| 2046 Oct | 96.6 | 0.00227 | 0.313 | 0.000795 | 19 | 0.0539 | 13.5 | 0.00000563 | 0.00921 | 0.00726 | 0.00566 | 0.0218 | 0.0000119 | 13.4 | 0.00000452 | 0.000109 | 0.00015 | 0.000674 | 0.0375 |
| 2046 Nov | 98.6 | 0.00208 | 0.32 | 0.000814 | 19.3 | 0.0547 | 13.8 | 0.00000565 | 0.00942 | 0.00756 | 0.00569 | 0.0222 | 0.000012 | 13.7 | 0.00000461 | 0.000111 | 0.000153 | 0.000689 | 0.0383 |
| 2046 Dec | 98.8 | 0.00206 | 0.321 | 0.000816 | 19.4 | 0.0548 | 13.9 | 0.00000566 | 0.00944 | 0.00759 | 0.00569 | 0.0222 | 0.000012 | 13.7 | 0.00000461 | 0.000111 | 0.000153 | 0.00069 | 0.0384 |
| 2047 Jan | 98.8 | 0.00206 | 0.321 | 0.000816 | 19.4 | 0.0548 | 13.9 | 0.00000566 | 0.00944 | 0.0076 | 0.00569 | 0.0223 | 0.000012 | 13.7 | 0.00000461 | 0.000111 | 0.000153 | 0.00069 | 0.0384 |
| 2047 Feb | 98.8 | 0.00207 | 0.321 | 0.000816 | 19.4 | 0.0548 | 13.9 | 0.00000566 | 0.00944 | 0.0076 | 0.00569 | 0.0223 | 0.000012 | 13.7 | 0.00000461 | 0.000111 | 0.000153 | 0.00069 | 0.0384 |
| 2047 Mar | 98.8 | 0.00207 | 0.321 | 0.000817 | 19.4 | 0.0548 | 13.9 | 0.00000566 | 0.00944 | 0.0076 | 0.00569 | 0.0223 | 0.000012 | 13.7 | 0.00000462 | 0.000111 | 0.000153 | 0.000691 | 0.0384 |
| 2047 Apr | 98.9 | 0.00207 | 0.321 | 0.000817 | 19.4 | 0.0548 | 13.9 | 0.00000566 | 0.00945 | 0.0076 | 0.00569 | 0.0223 | 0.000012 | 13.7 | 0.00000462 | 0.000111 | 0.000153 | 0.000691 | 0.0384 |
| 2047 May | 95.6 | 0.00275 | 0.304 | 0.000853 | 18.6 | 0.0543 | 13.7 | 0.00000565 | 0.00928 | 0.00768 | 0.00568 | 0.0217 | 0.000012 | 13.4 | 0.0000046 | 0.00011 | 0.000151 | 0.000683 | 0.0373 |
| 2047 Jun | 86.1 | 0.00457 | 0.242 | 0.000702 | 16.3 | 0.0553 | 14.2 | 0.00000567 | 0.00951 | 0.0101 | 0.00568 | 0.0204 | 0.0000121 | 12.6 | 0.00000491 | 0.000112 | 0.000158 | 0.000712 | 0.0362 |
| 2047 Jul | 82.4 | 0.00418 | 0.226 | 0.000633 | 15.7 | 0.0545 | 13.7 | 0.00000575 | 0.00927 | 0.00958 | 0.00577 | 0.0198 | 0.0000123 | 12.1 | 0.00000484 | 0.00011 | 0.000157 | 0.000691 | 0.035 |
| 2047 Aug | 76.9 | 0.00396 | 0.206 | 0.000629 | 14.7 | 0.0522 | 12.7 | 0.00000577 | 0.00898 | 0.00875 | 0.00578 | 0.0187 | 0.0000122 | 11.3 | 0.00000467 | 0.000106 | 0.000151 | 0.000656 | 0.0334 |
| 2047 Sep | 74.5 | 0.00367 | 0.2 | 0.000656 | 14.2 | 0.0507 | 12.4 | 0.00000571 | 0.00907 | 0.00863 | 0.00572 | 0.0179 | 0.0000121 | 11 | 0.00000462 | 0.000104 | 0.000144 | 0.000649 | 0.0334 |
| 2047 Oct | 80 | 0.00295 | 0.221 | 0.000714 | 15.2 | 0.0531 | 13.5 | 0.00000576 | 0.00988 | 0.00974 | 0.00577 | 0.019 | 0.0000123 | 11.8 | 0.00000499 | 0.00011 | 0.000153 | 0.000702 | 0.0362 |
| 2047 Nov | 81.6 | 0.00276 | 0.227 | 0.000728 | 15.4 | 0.0538 | 13.8 | 0.00000578 | 0.0101 | 0.01 | 0.00579 | 0.0193 | 0.0000123 | 12 | 0.00000509 | 0.000112 | 0.000156 | 0.000716 | 0.0369 |
| 2047 Dec | 81.7 | 0.00274 | 0.227 | 0.000729 | 15.5 | 0.0539 | 13.8 | 0.00000578 | 0.0101 | 0.0101 | 0.00579 | 0.0193 | 0.0000123 | 12 | 0.0000051 | 0.000112 | 0.000157 | 0.000718 | 0.0369 |
| 2048 Jan | 81.7 | 0.00274 | 0.227 | 0.000729 | 15.5 | 0.0539 | 13.8 | 0.00000578 | 0.0101 | 0.0101 | 0.00579 | 0.0194 | 0.0000123 | 12 | 0.0000051 | 0.000112 | 0.000157 | 0.000718 | 0.0369 |
| 2048 Feb | 81.7 | 0.00275 | 0.227 | 0.000729 | 15.5 | 0.0539 | 13.8 | 0.00000578 | 0.0101 | 0.0101 | 0.00579 | 0.0194 | 0.0000123 | 12 | 0.0000051 | 0.000112 | 0.000157 | 0.000718 | 0.0369 |
| 2048 Mar | 81.7 | 0.00275 | 0.227 | 0.000729 | 15.5 | 0.0539 | 13.8 | 0.00000578 | 0.0101 | 0.0101 | 0.00579 | 0.0194 | 0.0000123 | 12 | 0.0000051 | 0.000112 | 0.000157 | 0.000718 | 0.0369 |
| 2048 Apr | 81.8 | 0.00275 | 0.228 | 0.00073 | 15.5 | 0.054 | 13.8 | 0.00000579 | 0.0101 | 0.0101 | 0.0058 | 0.0194 | 0.0000124 | 12.1 | 0.00000511 | 0.000113 | 0.000157 | 0.000719 | 0.037 |
| 2048 May | 82.3 | 0.00277 | 0.229 | 0.000734 | 15.6 | 0.0543 | 13.9 | 0.00000582 | 0.0102 | 0.0101 | 0.00583 | 0.0195 | 0.0000124 | 12.1 | 0.00000513 | 0.000113 | 0.000158 | 0.000723 | 0.0372 |
| 2048 Jun | 78.1 | 0.00353 | 0.202 | 0.000666 | 14.7 | 0.0547 | 14 | 0.00000568 | 0.00985 | 0.0109 | 0.00568 | 0.0191 | 0.0000122 | 11.7 | 0.00000505 | 0.000112 | 0.00016 | 0.000721 | 0.0356 |
| 2048 Jul | 76.5 | 0.00256 | 0.193 | 0.000416 | 14.2 | 0.0548 | 14.3 | 0.00000572 | 0.0105 | 0.0118 | 0.00572 | 0.0188 | 0.0000123 | 11.7 | 0.0000052 | 0.000115 | 0.000166 | 0.000745 | 0.0373 |
| 2048 Aug | 74.2 | 0.0023 | 0.186 | 0.000411 | 13.8 | 0.0538 | 13.9 | 0.00000578 | 0.0105 | 0.0114 | 0.00578 | 0.0183 | 0.0000124 | 11.3 | 0.00000514 | 0.000113 | 0.000164 | 0.000731 | 0.037 |
| 2048 Sep | 71.5 | 0.00262 | 0.176 | 0.000419 | 13.3 | 0.0524 | 13.3 | 0.00000578 | 0.0102 | 0.0108 | 0.00578 | 0.0177 | 0.0000123 | 10.9 | 0.00000502 | 0.000111 | 0.000158 | 0.000709 | 0.0358 |
| 2048 Oct | 71.1 | 0.00247 | 0.174 | 0.000465 | 13.2 | 0.0526 | 13.2 | 0.00000571 | 0.0104 | 0.0107 | 0.0057 | 0.0174 | 0.0000122 | 10.9 | 0.00000554 | 0.000109 | 0.00016 | 0.000722 | 0.0352 |
| 2048 Nov | 76.5 | 0.00235 | 0.192 | 0.000515 | 14.2 | 0.0554 | 14.4 | 0.00000577 | 0.0113 | 0.0119 | 0.00576 | 0.0185 | 0.0000124 | 11.7 | 0.00000589 | 0.000116 | 0.00017 | 0.000777 | 0.038 |
| 2048 Dec | 77.4 | 0.00236 | 0.195 | 0.00052 | 14.3 | 0.0558 | 14.6 | 0.00000578 | 0.0114 | 0.0121 | 0.00578 | 0.0187 | 0.0000124 | 11.8 | 0.0000059 | 0.000117 | 0.000171 | 0.000785 | 0.0385 |
| 2049 Jan | 77.5 | 0.00236 | 0.196 | 0.000521 | 14.3 | 0.0558 | 14.6 | 0.00000578 | 0.0114 | 0.0122 | 0.00578 | 0.0188 | 0.0000124 | 11.8 | 0.0000059 | 0.000118 | 0.000171 | 0.000787 | 0.0386 |
| 2049 Feb | 77.5 | 0.00237 | 0.196 | 0.000521 | 14.3 | 0.0558 | 14.6 | 0.00000578 | 0.0114 | 0.0122 | 0.00578 | 0.0188 | 0.0000124 | 11.8 | 0.0000059 | 0.000118 | 0.000171 | 0.000787 | 0.0386 |
| 2049 Mar | 77.5 | 0.00237 | 0.196 | 0.000521 | 14.3 | 0.0558 | 14.6 | 0.00000578 | 0.0114 | 0.0122 | 0.00578 | 0.0188 | 0.0000124 | 11.8 | 0.0000059 | 0.000118 | 0.000171 | 0.000787 | 0.0386 |
| 2049 Apr | 77.6 | 0.00237 | 0.196 | 0.000522 | 14.4 | 0.0559 | 14.6 | 0.00000579 | 0.0114 | 0.0122 | 0.00578 | 0.0188 | 0.0000125 | 11.8 | 0.00000591 | 0.000118 | 0.000171 | 0.000787 | 0.0386 |
| 2049 May | 78 | 0.00241 | 0.197 | 0.000525 | 14.4 | 0.0562 | 14.7 | 0.00000582 | 0.0115 | 0.0122 | 0.00582 | 0.0189 | 0.0000125 | 11.9 | 0.00000593 | 0.000118 | 0.000172 | 0.000791 | 0.0388 |
| 2049 Jun | 74.5 | 0.00329 | 0.18 | 0.00056 | 13.8 | 0.0553 | 14.1 | 0.00000568 | 0.0105 | 0.0117 | 0.00567 | 0.0185 | 0.0000122 | 11.4 | 0.00000525 | 0.000114 | 0.000164 | 0.00075 | 0.0362 |
| 2049 Jul | 73.1 | 0.00216 | 0.177 | 0.000676 | 13.5 | 0.0546 | 14.1 | 0.00000569 | 0.011 | 0.012 | 0.00567 | 0.0182 | 0.0000122 | 11.3 | 0.0000052 | 0.000115 | 0.000167 | 0.000758 | 0.0375 |
| 2049 Aug | 69.9 | 0.00189 | 0.167 | 0.000705 | 12.9 | 0.0529 | 13.4 | 0.00000572 | 0.0108 | 0.0113 | 0.0057 | 0.0175 | 0.0000122 | 10.8 | 0.00000508 | 0.000112 | 0.000162 | 0.000733 | 0.0366 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 68.5 | 0.00233 | 0.164 | 0.000519 | 12.6 | 0.0517 | 13.1 | 0.00000567 | 0.0107 | 0.011 | 0.00566 | 0.017 | 0.0000121 | 10.6 | 0.000005 | 0.00011 | 0.000154 | 0.000723 | 0.0363 |
| 2049 Oct | 70.6 | 0.00211 | 0.17 | 0.000379 | 13 | 0.0531 | 13.6 | 0.00000569 | 0.0111 | 0.0115 | 0.00567 | 0.0174 | 0.0000122 | 10.9 | 0.00000537 | 0.000112 | 0.00016 | 0.00075 | 0.0371 |
| 2049 Nov | 73 | 0.00188 | 0.178 | 0.000353 | 13.4 | 0.0544 | 14.1 | 0.00000572 | 0.0114 | 0.012 | 0.0057 | 0.0179 | 0.0000123 | 11.2 | 0.00000553 | 0.000115 | 0.000165 | 0.000774 | 0.0382 |
| 2049 Dec | 73.2 | 0.00187 | 0.179 | 0.000352 | 13.4 | 0.0545 | 14.1 | 0.00000572 | 0.0115 | 0.012 | 0.00571 | 0.018 | 0.0000123 | 11.3 | 0.00000553 | 0.000116 | 0.000166 | 0.000776 | 0.0384 |
| 2050 Jan | 73.2 | 0.00188 | 0.179 | 0.000351 | 13.4 | 0.0545 | 14.1 | 0.00000572 | 0.0115 | 0.012 | 0.00571 | 0.018 | 0.0000123 | 11.3 | 0.00000553 | 0.000116 | 0.000166 | 0.000776 | 0.0384 |
| 2050 Feb | 73.2 | 0.00188 | 0.179 | 0.000351 | 13.4 | 0.0545 | 14.1 | 0.00000572 | 0.0115 | 0.012 | 0.00571 | 0.018 | 0.0000123 | 11.3 | 0.00000553 | 0.000116 | 0.000166 | 0.000776 | 0.0384 |
| 2050 Mar | 73.2 | 0.00188 | 0.179 | 0.000351 | 13.4 | 0.0545 | 14.1 | 0.00000572 | 0.0115 | 0.012 | 0.00571 | 0.018 | 0.0000123 | 11.3 | 0.00000553 | 0.000116 | 0.000166 | 0.000776 | 0.0384 |
| 2050 Apr | 73.2 | 0.00188 | 0.179 | 0.000352 | 13.4 | 0.0545 | 14.1 | 0.00000573 | 0.0115 | 0.012 | 0.00571 | 0.018 | 0.0000123 | 11.3 | 0.00000554 | 0.000116 | 0.000166 | 0.000777 | 0.0384 |
| 2050 May | 73.5 | 0.0019 | 0.18 | 0.000354 | 13.5 | 0.0548 | 14.2 | 0.00000576 | 0.0115 | 0.0121 | 0.00574 | 0.018 | 0.0000124 | 11.3 | 0.00000556 | 0.000116 | 0.000167 | 0.00078 | 0.0385 |
| 2050 Jun | 71.1 | 0.00324 | 0.166 | 0.000609 | 13.1 | 0.054 | 13.5 | 0.00000565 | 0.0103 | 0.0111 | 0.00564 | 0.0178 | 0.0000121 | 10.9 | 0.0000051 | 0.00011 | 0.000161 | 0.000729 | 0.0353 |
| 2050 Jul | 71.6 | 0.00251 | 0.17 | 0.00052 | 13.2 | 0.0538 | 13.6 | 0.00000568 | 0.0105 | 0.0114 | 0.00567 | 0.0179 | 0.0000121 | 11 | 0.00000507 | 0.000111 | 0.000165 | 0.000733 | 0.0367 |
| 2050 Aug | 70.6 | 0.00217 | 0.167 | 0.000459 | 13.1 | 0.0532 | 13.4 | 0.00000575 | 0.0106 | 0.0112 | 0.00574 | 0.0176 | 0.0000123 | 10.9 | 0.00000506 | 0.000111 | 0.000165 | 0.000729 | 0.0369 |
| 2050 Sep | 67.3 | 0.00235 | 0.158 | 0.000443 | 12.5 | 0.0512 | 12.7 | 0.0000057 | 0.0103 | 0.0105 | 0.00568 | 0.0168 | 0.0000121 | 10.4 | 0.0000049 | 0.000107 | 0.000155 | 0.000702 | 0.0356 |
| 2050 Oct | 69.6 | 0.00226 | 0.166 | 0.000438 | 12.9 | 0.0524 | 13.2 | 0.00000574 | 0.0107 | 0.011 | 0.00573 | 0.0173 | 0.0000122 | 10.7 | 0.00000503 | 0.00011 | 0.000159 | 0.000726 | 0.0368 |
| 2050 Nov | 69.8 | 0.00226 | 0.166 | 0.000439 | 12.9 | 0.0525 | 13.2 | 0.00000575 | 0.0107 | 0.011 | 0.00574 | 0.0173 | 0.0000123 | 10.7 | 0.00000504 | 0.000111 | 0.000159 | 0.000728 | 0.0369 |
| 2050 Dec | 69.8 | 0.00226 | 0.166 | 0.000439 | 12.9 | 0.0525 | 13.2 | 0.00000575 | 0.0107 | 0.011 | 0.00574 | 0.0173 | 0.0000123 | 10.7 | 0.00000504 | 0.000111 | 0.000159 | 0.000727 | 0.0369 |
| 2051 Jan | 69.8 | 0.00227 | 0.166 | 0.000439 | 12.9 | 0.0525 | 13.2 | 0.00000575 | 0.0107 | 0.011 | 0.00574 | 0.0173 | 0.0000123 | 10.7 | 0.00000504 | 0.000111 | 0.000159 | 0.000727 | 0.0369 |
| 2051 Feb | 69.7 | 0.00227 | 0.166 | 0.000439 | 12.9 | 0.0525 | 13.2 | 0.00000575 | 0.0107 | 0.011 | 0.00574 | 0.0173 | 0.0000123 | 10.7 | 0.00000504 | 0.000111 | 0.000159 | 0.000727 | 0.0369 |
| 2051 Mar | 69.7 | 0.00227 | 0.166 | 0.000439 | 12.9 | 0.0525 | 13.2 | 0.00000575 | 0.0107 | 0.011 | 0.00574 | 0.0173 | 0.0000123 | 10.7 | 0.00000504 | 0.000111 | 0.000159 | 0.000727 | 0.0369 |
| 2051 Apr | 69.8 | 0.00227 | 0.166 | 0.000439 | 12.9 | 0.0526 | 13.2 | 0.00000576 | 0.0107 | 0.011 | 0.00574 | 0.0173 | 0.0000123 | 10.7 | 0.00000504 | 0.000111 | 0.000159 | 0.000727 | 0.0369 |
| 2051 May | 68.7 | 0.00252 | 0.162 | 0.000447 | 12.7 | 0.0521 | 13 | 0.00000576 | 0.0105 | 0.0107 | 0.00575 | 0.0171 | 0.0000123 | 10.6 | 0.00000499 | 0.000109 | 0.000157 | 0.000716 | 0.0361 |
| 2051 Jun | 71.9 | 0.00336 | 0.168 | 0.000519 | 13.3 | 0.0548 | 13.5 | 0.00000564 | 0.0105 | 0.0111 | 0.00562 | 0.0181 | 0.000012 | 11 | 0.000005 | 0.000111 | 0.000162 | 0.000739 | 0.0357 |
| 2051 Jul | 72 | 0.00273 | 0.168 | 0.000515 | 13.4 | 0.0553 | 13.5 | 0.00000573 | 0.0108 | 0.0112 | 0.0057 | 0.0182 | 0.0000122 | 11.1 | 0.00000506 | 0.000112 | 0.000167 | 0.000751 | 0.0366 |
| 2051 Aug | 66.5 | 0.00222 | 0.153 | 0.000573 | 12.4 | 0.0518 | 12.4 | 0.00000569 | 0.0104 | 0.01 | 0.00566 | 0.0169 | 0.000012 | 10.2 | 0.00000482 | 0.000106 | 0.000155 | 0.000704 | 0.0349 |
| 2051 Sep | 66.5 | 0.00231 | 0.155 | 0.000648 | 12.4 | 0.0515 | 12.4 | 0.00000569 | 0.0106 | 0.0101 | 0.00566 | 0.0167 | 0.0000121 | 10.2 | 0.00000482 | 0.000107 | 0.000152 | 0.000707 | 0.0354 |
| 2051 Oct | 68 | 0.00238 | 0.159 | 0.000744 | 12.6 | 0.0524 | 12.6 | 0.00000567 | 0.0109 | 0.0103 | 0.00565 | 0.0169 | 0.000012 | 10.4 | 0.00000523 | 0.000108 | 0.000158 | 0.000728 | 0.0357 |
| 2051 Nov | 72.2 | 0.00216 | 0.173 | 0.000813 | 13.4 | 0.0546 | 13.5 | 0.00000572 | 0.0115 | 0.0112 | 0.00569 | 0.0178 | 0.0000122 | 11 | 0.00000552 | 0.000112 | 0.000167 | 0.00077 | 0.0379 |
| 2051 Dec | 72.7 | 0.00215 | 0.174 | 0.00082 | 13.5 | 0.0548 | 13.6 | 0.00000573 | 0.0115 | 0.0113 | 0.0057 | 0.018 | 0.0000122 | 11.1 | 0.00000553 | 0.000113 | 0.000168 | 0.000775 | 0.0381 |
| 2052 Jan | 72.7 | 0.00215 | 0.175 | 0.000821 | 13.5 | 0.0548 | 13.6 | 0.00000573 | 0.0116 | 0.0113 | 0.0057 | 0.018 | 0.0000122 | 11.1 | 0.00000552 | 0.000113 | 0.000168 | 0.000775 | 0.0382 |
| 2052 Feb | 72.7 | 0.00216 | 0.175 | 0.000821 | 13.5 | 0.0548 | 13.6 | 0.00000573 | 0.0116 | 0.0113 | 0.0057 | 0.018 | 0.0000122 | 11.1 | 0.00000552 | 0.000113 | 0.000168 | 0.000775 | 0.0382 |
| 2052 Mar | 72.7 | 0.00216 | 0.175 | 0.000821 | 13.5 | 0.0548 | 13.6 | 0.00000573 | 0.0116 | 0.0113 | 0.0057 | 0.018 | 0.0000122 | 11.1 | 0.00000552 | 0.000113 | 0.000168 | 0.000775 | 0.0382 |
| 2052 Apr | 72.8 | 0.00216 | 0.175 | 0.000821 | 13.5 | 0.0549 | 13.6 | 0.00000573 | 0.0116 | 0.0113 | 0.0057 | 0.018 | 0.0000122 | 11.1 | 0.00000553 | 0.000113 | 0.000168 | 0.000775 | 0.0382 |
| 2052 May | 70.5 | 0.00255 | 0.167 | 0.000811 | 13 | 0.0538 | 13.1 | 0.00000572 | 0.0111 | 0.0108 | 0.00569 | 0.0175 | 0.0000122 | 10.8 | 0.00000538 | 0.00011 | 0.000163 | 0.000752 | 0.0366 |
| 2052 Jun | 70.3 | 0.00344 | 0.162 | 0.000623 | 13.1 | 0.0538 | 12.9 | 0.00000564 | 0.01 | 0.0103 | 0.00562 | 0.0178 | 0.000012 | 10.7 | 0.00000487 | 0.000107 | 0.00016 | 0.000712 | 0.0346 |
| 2052 Jul | 71.9 | 0.00316 | 0.167 | 0.000685 | 13.5 | 0.0548 | 13.1 | 0.00000576 | 0.0103 | 0.0105 | 0.00573 | 0.0182 | 0.0000122 | 11 | 0.00000495 | 0.000109 | 0.000165 | 0.000726 | 0.0359 |
| 2052 Aug | 67.8 | 0.00295 | 0.154 | 0.000685 | 12.7 | 0.0525 | 12.3 | 0.00000575 | 0.00996 | 0.00972 | 0.00573 | 0.0172 | 0.0000122 | 10.4 | 0.00000478 | 0.000105 | 0.000157 | 0.000692 | 0.0344 |
| 2052 Sep | 66.8 | 0.00273 | 0.154 | 0.000595 | 12.5 | 0.0516 | 12.1 | 0.00000574 | 0.0101 | 0.00956 | 0.00572 | 0.0169 | 0.0000121 | 10.2 | 0.00000475 | 0.000105 | 0.000153 | 0.000688 | 0.0346 |
| 2052 Oct | 68.1 | 0.00263 | 0.159 | 0.000507 | 12.7 | 0.0521 | 12.3 | 0.00000575 | 0.0103 | 0.0098 | 0.00573 | 0.0171 | 0.0000122 | 10.4 | 0.00000487 | 0.000106 | 0.000156 | 0.000703 | 0.0353 |
| 2052 Nov | 68.8 | 0.00255 | 0.161 | 0.00049 | 12.9 | 0.0525 | 12.5 | 0.00000576 | 0.0105 | 0.00995 | 0.00574 | 0.0172 | 0.0000122 | 10.5 | 0.00000492 | 0.000107 | 0.000157 | 0.000711 | 0.0357 |
| 2052 Dec | 68.9 | 0.00255 | 0.162 | 0.000489 | 12.9 | 0.0526 | 12.5 | 0.00000576 | 0.0105 | 0.00996 | 0.00574 | 0.0173 | 0.0000122 | 10.5 | 0.00000492 | 0.000107 | 0.000157 | 0.000711 | 0.0358 |
| 2053 Jan | 68.9 | 0.00255 | 0.162 | 0.000488 | 12.9 | 0.0526 | 12.5 | 0.00000576 | 0.0105 | 0.00996 | 0.00574 | 0.0173 | 0.0000122 | 10.5 | 0.00000492 | 0.000107 | 0.000157 | 0.000712 | 0.0358 |
| 2053 Feb | 68.9 | 0.00255 | 0.162 | 0.000488 | 12.9 | 0.0526 | 12.5 | 0.00000577 | 0.0105 | 0.00997 | 0.00574 | 0.0173 | 0.0000122 | 10.5 | 0.00000492 | 0.000107 | 0.000157 | 0.000712 | 0.0358 |
| 2053 Mar | 68.9 | 0.00255 | 0.162 | 0.000488 | 12.9 | 0.0526 | 12.5 | 0.00000577 | 0.0105 | 0.00997 | 0.00574 | 0.0173 | 0.0000122 | 10.5 | 0.00000493 | 0.000107 | 0.000157 | 0.000712 | 0.0358 |
| 2053 Apr | 69 | 0.00256 | 0.162 | 0.000488 | 12.9 | 0.0526 | 12.5 | 0.00000577 | 0.0105 | 0.00998 | 0.00575 | 0.0173 | 0.0000122 | 10.5 | 0.00000493 | 0.000107 | 0.000157 | 0.000713 | 0.0358 |
| 2053 May | 66.2 | 0.00331 | 0.152 | 0.000468 | 12.3 | 0.0515 | 12 | 0.00000573 | 0.00994 | 0.00929 | 0.00571 | 0.0168 | 0.0000121 | 10.1 | 0.00000476 | 0.000104 | 0.000149 | 0.000685 | 0.0335 |
| 2053 Jun | 72 | 0.0035 | 0.169 | 0.000673 | 13.5 | 0.0549 | 13 | 0.00000566 | 0.0105 | 0.0103 | 0.00563 | 0.0182 | 0.000012 | 10.9 | 0.00000487 | 0.000109 | 0.000163 | 0.000733 | 0.0356 |
| 2053 Jul | 73.3 | 0.00303 | 0.172 | 0.000535 | 13.7 | 0.0558 | 13.2 | 0.00000578 | 0.0107 | 0.0105 | 0.00575 | 0.0185 | 0.0000123 | 11.1 | 0.00000497 | 0.000111 | 0.000168 | 0.000745 | 0.0367 |
| 2053 Aug | 67.6 | 0.00294 | 0.153 | 0.000531 | 12.7 | 0.0528 | 12.1 | 0.00000577 | 0.0101 | 0.00942 | 0.00575 | 0.0173 | 0.0000122 | 10.3 | 0.00000474 | 0.000105 | 0.000158 | 0.000695 | 0.0345 |
| 2053 Sep | 65.4 | 0.00295 | 0.147 | 0.000508 | 12.3 | 0.0514 | 11.7 | 0.00000577 | 0.00996 | 0.00899 | 0.00574 | 0.0167 | 0.0000121 | 9.99 | 0.00000465 | 0.000103 | 0.000152 | 0.000678 | 0.0338 |
| 2053 Oct | 65.6 | 0.00298 | 0.149 | 0.000491 | 12.4 | 0.0515 | 11.7 | 0.00000576 | 0.0101 | 0.00901 | 0.00573 | 0.0167 | 0.0000121 | 10 | 0.00000475 | 0.000103 | 0.000152 | 0.000684 | 0.0339 |
| 2053 Nov | 66.5 | 0.00283 | 0.152 | 0.000482 | 12.5 | 0.052 | 11.9 | 0.00000577 | 0.0103 | 0.00916 | 0.00574 | 0.0169 | 0.0000121 | 10.1 | 0.0000049 | 0.000104 | 0.000155 | 0.000695 | 0.0343 |
| 2053 Dec | 67.1 | 0.0028 | 0.154 | 0.00048 | 12.6 | 0.0523 | 12 | 0.00000577 | 0.0104 | 0.00926 | 0.00575 | 0.017 | 0.0000122 | 10.2 | 0.00000492 | 0.000104 | 0.000156 | 0.000701 | 0.0346 |
| 2054 Jan | 67.2 | 0.0028 | 0.154 | 0.000479 | 12.6 | 0.0524 | 12 | 0.00000578 | 0.0104 | 0.00929 | 0.00575 | 0.017 | 0.0000122 | 10.2 | 0.00000492 | 0.000105 | 0.000156 | 0.000702 | 0.0347 |
| 2054 Feb | 67.2 | 0.0028 | 0.154 | 0.000479 | 12.6 | 0.0524 | 12 | 0.00000578 | 0.0104 | 0.00929 | 0.00575 | 0.017 | 0.0000122 | 10.2 | 0.00000492 | 0.000105 | 0.000156 | 0.000702 | 0.0347 |
| 2054 Mar | 67.3 | 0.00279 | 0.155 | 0.000479 | 12.7 | 0.0524 | 12 | 0.00000578 | 0.0104 | 0.0093 | 0.00575 | 0.017 | 0.0000122 | 10.2 | 0.00000492 | 0.000105 | 0.000156 | 0.000703 | 0.0347 |
| 2054 Apr | 67.4 | 0.0028 | 0.155 | 0.000479 | 12.7 | 0.0525 | 12 | 0.00000578 | 0.0104 | 0.00932 | 0.00576 | 0.017 | 0.0000122 | 10.3 | 0.00000493 | 0.000105 | 0.000156 | 0.000703 | 0.0347 |
| 2054 May | 66.4 | 0.00303 | 0.151 | 0.000485 | 12.5 | 0.0521 | 11.8 | 0.00000579 | 0.0102 | 0.00908 | 0.00576 | 0.0169 | 0.0000122 | 10.1 | 0.00000488 | 0.000104 | 0.000154 | 0.000693 | 0.034 |
| 2054 Jun | 72 | 0.00372 | 0.169 | 0.000526 | 13.5 | 0.0544 | 12.7 | 0.00000566 | 0.0102 | 0.0099 | 0.00564 | 0.0182 | 0.000012 | 10.9 | 0.00000479 | 0.000107 | 0.000162 | 0.000718 | 0.0355 |
| 2054 Jul | 69.5 | 0.00209 | 0.165 | 0.000435 | 13.1 | 0.0524 | 12.3 | 0.00000564 | 0.0104 | 0.00976 | 0.00561 | 0.0175 | 0.0000119 | 10.6 | 0.00000474 | 0.000105 | 0.000164 | 0.000705 | 0.0364 |
| 2054 Aug | 66.5 | 0.00147 | 0.157 | 0.000598 | 12.5 | 0.0503 | 11.8 | 0.00000559 | 0.0104 | 0.00936 | 0.00557 | 0.0166 | 0.0000118 | 10.1 | 0.00000463 | 0.000103 | 0.000155 | 0.000688 | 0.036 |
| 2054 Sep | 68.2 | 0.00173 | 0.163 | 0.000747 | 12.8 | 0.0512 | 12.1 | 0.00000561 | 0.0107 | 0.00975 | 0.00558 | 0.0169 | 0.0000119 | 10.4 | 0.00000472 | 0.000105 | 0.000156 | 0.000708 | 0.0371 |
| 2054 Oct | 67.6 | 0.00217 | 0.158 | 0.000849 | 12.7 | 0.0516 | 12 | 0.00000556 | 0.0107 | 0.00954 | 0.00553 | 0.0168 | 0.0000117 | 10.3 | 0.00000525 | 0.000103 | 0.000161 | 0.000713 | 0.0359 |
| 2054 Nov | 71.6 | 0.00234 | 0.17 | 0.000936 | 13.4 | 0.0536 | 12.8 | 0.0000056 | 0.0112 | 0.0103 | 0.00557 | 0.0176 | 0.0000119 | 10.9 | 0.00000545 | 0.000107 | 0.00017 | 0.000749 | 0.0379 |
| 2054 Dec | 72.2 | 0.00236 | 0.172 | 0.000944 | 13.5 | 0.0539 | 12.9 | 0.00000561 | 0.0113 | 0.0105 | 0.00558 | 0.0178 | 0.0000119 | 10.9 | 0.00000544 | 0.000108 | 0.000171 | 0.000754 | 0.0383 |
| 2055 Jan | 72.2 | 0.00237 | 0.172 | 0.000945 | 13.6 | 0.0539 | 12.9 | 0.00000561 | 0.0113 | 0.0105 | 0.00558 | 0.0178 | 0.0000119 | 11 | 0.00000544 | 0.000108 | 0.000171 | 0.000754 | 0.0383 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 72.2 | 0.00238 | 0.172 | 0.000945 | 13.6 | 0.0539 | 12.9 | 0.00000561 | 0.0113 | 0.0105 | 0.00558 | 0.0178 | 0.0000119 | 11 | 0.00000544 | 0.000108 | 0.000171 | 0.000754 | 0.0383 |
| 2055 Mar | 72.2 | 0.00238 | 0.172 | 0.000945 | 13.6 | 0.0539 | 12.9 | 0.00000561 | 0.0113 | 0.0105 | 0.00558 | 0.0178 | 0.0000119 | 11 | 0.00000544 | 0.000108 | 0.000171 | 0.000754 | 0.0383 |
| 2055 Apr | 72.3 | 0.00238 | 0.172 | 0.000946 | 13.6 | 0.0539 | 12.9 | 0.00000561 | 0.0113 | 0.0105 | 0.00559 | 0.0178 | 0.0000119 | 11 | 0.00000544 | 0.000108 | 0.000171 | 0.000754 | 0.0384 |
| 2055 May | 72.6 | 0.00239 | 0.173 | 0.000951 | 13.6 | 0.0542 | 13 | 0.00000564 | 0.0113 | 0.0105 | 0.00561 | 0.0179 | 0.000012 | 11 | 0.00000547 | 0.000109 | 0.000172 | 0.000758 | 0.0385 |
| 2055 Jun | 69 | 0.00333 | 0.158 | 0.000778 | 13 | 0.0529 | 12.1 | 0.00000554 | 0.00994 | 0.00938 | 0.00551 | 0.0175 | 0.0000117 | 10.5 | 0.00000474 | 0.000102 | 0.000161 | 0.000696 | 0.0347 |
| 2055 Jul | 68 | 0.00265 | 0.156 | 0.000646 | 12.9 | 0.0523 | 11.9 | 0.00000559 | 0.0101 | 0.00925 | 0.00556 | 0.0173 | 0.0000118 | 10.3 | 0.00000461 | 0.000102 | 0.000162 | 0.000692 | 0.0352 |
| 2055 Aug | 64.5 | 0.00199 | 0.148 | 0.000484 | 12.2 | 0.0501 | 11.2 | 0.00000558 | 0.0101 | 0.00867 | 0.00556 | 0.0164 | 0.0000117 | 9.81 | 0.0000045 | 0.0000996 | 0.000156 | 0.000669 | 0.0347 |
| 2055 Sep | 65 | 0.0021 | 0.152 | 0.000475 | 12.2 | 0.0498 | 11.3 | 0.00000556 | 0.0102 | 0.00877 | 0.00553 | 0.0163 | 0.0000117 | 9.85 | 0.00000451 | 0.0001 | 0.000152 | 0.000676 | 0.0353 |
| 2055 Oct | 67.9 | 0.0023 | 0.162 | 0.000519 | 12.8 | 0.0512 | 11.9 | 0.00000559 | 0.0106 | 0.00933 | 0.00556 | 0.0169 | 0.0000118 | 10.3 | 0.00000465 | 0.000103 | 0.000157 | 0.000703 | 0.0368 |
| 2055 Nov | 68.6 | 0.00227 | 0.164 | 0.000529 | 12.9 | 0.0516 | 12 | 0.0000056 | 0.0107 | 0.00947 | 0.00556 | 0.0171 | 0.0000118 | 10.4 | 0.00000469 | 0.000104 | 0.000159 | 0.000711 | 0.0371 |
| 2055 Dec | 69 | 0.00227 | 0.165 | 0.000534 | 12.9 | 0.0518 | 12.1 | 0.0000056 | 0.0108 | 0.00954 | 0.00557 | 0.0171 | 0.0000118 | 10.4 | 0.00000471 | 0.000105 | 0.00016 | 0.000715 | 0.0372 |
| 2056 Jan | 69.1 | 0.00227 | 0.165 | 0.000536 | 13 | 0.0519 | 12.1 | 0.0000056 | 0.0108 | 0.00957 | 0.00557 | 0.0172 | 0.0000118 | 10.4 | 0.00000471 | 0.000105 | 0.00016 | 0.000716 | 0.0373 |
| 2056 Feb | 69.1 | 0.00227 | 0.165 | 0.000536 | 13 | 0.0519 | 12.1 | 0.0000056 | 0.0108 | 0.00958 | 0.00557 | 0.0172 | 0.0000118 | 10.5 | 0.00000472 | 0.000105 | 0.00016 | 0.000717 | 0.0373 |
| 2056 Mar | 69.1 | 0.00227 | 0.166 | 0.000536 | 13 | 0.0519 | 12.1 | 0.0000056 | 0.0108 | 0.00958 | 0.00557 | 0.0172 | 0.0000118 | 10.5 | 0.00000472 | 0.000105 | 0.00016 | 0.000717 | 0.0373 |
| 2056 Apr | 69.2 | 0.00228 | 0.166 | 0.000537 | 13 | 0.0519 | 12.1 | 0.00000561 | 0.0108 | 0.00958 | 0.00557 | 0.0172 | 0.0000118 | 10.5 | 0.00000472 | 0.000105 | 0.00016 | 0.000717 | 0.0373 |
| 2056 May | 67.3 | 0.0032 | 0.157 | 0.000597 | 12.5 | 0.0512 | 11.7 | 0.0000056 | 0.0104 | 0.0091 | 0.00556 | 0.0169 | 0.0000118 | 10.2 | 0.00000461 | 0.000102 | 0.000155 | 0.000697 | 0.0356 |
| 2056 Jun | 69 | 0.00428 | 0.158 | 0.000509 | 13 | 0.0526 | 11.9 | 0.00000551 | 0.00998 | 0.00911 | 0.00548 | 0.0175 | 0.0000116 | 10.4 | 0.00000455 | 0.000102 | 0.00016 | 0.000694 | 0.0351 |
| 2056 Jul | 68.5 | 0.0034 | 0.156 | 0.000512 | 13 | 0.0527 | 11.7 | 0.00000559 | 0.00988 | 0.0089 | 0.00556 | 0.0175 | 0.0000117 | 10.3 | 0.00000454 | 0.000101 | 0.000162 | 0.000687 | 0.0349 |
| 2056 Aug | 66 | 0.00331 | 0.147 | 0.000523 | 12.5 | 0.0515 | 11.3 | 0.00000565 | 0.00972 | 0.00842 | 0.00562 | 0.0169 | 0.0000118 | 9.98 | 0.00000448 | 0.0000993 | 0.000159 | 0.000668 | 0.034 |
| 2056 Sep | 62.7 | 0.00368 | 0.137 | 0.000531 | 11.9 | 0.0498 | 10.7 | 0.00000564 | 0.00934 | 0.00783 | 0.00561 | 0.0162 | 0.0000118 | 9.51 | 0.00000435 | 0.0000961 | 0.000151 | 0.00064 | 0.0326 |
| 2056 Oct | 63.9 | 0.00295 | 0.143 | 0.000639 | 12.2 | 0.0502 | 10.8 | 0.00000558 | 0.00993 | 0.00796 | 0.00555 | 0.0162 | 0.0000116 | 9.65 | 0.00000486 | 0.0000968 | 0.000154 | 0.000666 | 0.0332 |
| 2056 Nov | 68 | 0.00258 | 0.158 | 0.000695 | 12.9 | 0.0523 | 11.6 | 0.00000562 | 0.0106 | 0.0087 | 0.00559 | 0.0171 | 0.0000118 | 10.2 | 0.00000504 | 0.000101 | 0.000162 | 0.000706 | 0.0355 |
| 2056 Dec | 68.4 | 0.00257 | 0.159 | 0.0007 | 13 | 0.0524 | 11.6 | 0.00000563 | 0.0106 | 0.00878 | 0.0056 | 0.0171 | 0.0000118 | 10.3 | 0.00000504 | 0.000102 | 0.000163 | 0.00071 | 0.0358 |
| 2057 Jan | 68.5 | 0.00257 | 0.159 | 0.000701 | 13 | 0.0525 | 11.6 | 0.00000563 | 0.0106 | 0.00879 | 0.0056 | 0.0172 | 0.0000118 | 10.3 | 0.00000504 | 0.000102 | 0.000163 | 0.00071 | 0.0358 |
| 2057 Feb | 68.5 | 0.00257 | 0.159 | 0.000701 | 13 | 0.0525 | 11.6 | 0.00000563 | 0.0106 | 0.00879 | 0.0056 | 0.0172 | 0.0000118 | 10.3 | 0.00000504 | 0.000102 | 0.000163 | 0.00071 | 0.0358 |
| 2057 Mar | 68.5 | 0.00257 | 0.159 | 0.000701 | 13 | 0.0525 | 11.6 | 0.00000563 | 0.0106 | 0.00879 | 0.0056 | 0.0172 | 0.0000118 | 10.3 | 0.00000504 | 0.000102 | 0.000163 | 0.00071 | 0.0358 |
| 2057 Apr | 68.5 | 0.00258 | 0.16 | 0.000701 | 13 | 0.0525 | 11.7 | 0.00000564 | 0.0106 | 0.0088 | 0.0056 | 0.0172 | 0.0000118 | 10.3 | 0.00000504 | 0.000102 | 0.000163 | 0.000711 | 0.0358 |
| 2057 May | 65.2 | 0.00361 | 0.147 | 0.000736 | 12.3 | 0.0508 | 11 | 0.0000056 | 0.00992 | 0.0081 | 0.00557 | 0.0165 | 0.0000117 | 9.8 | 0.00000476 | 0.000098 | 0.000153 | 0.000673 | 0.0333 |
| 2057 Jun | 69.9 | 0.00437 | 0.162 | 0.000567 | 13.2 | 0.0529 | 11.8 | 0.00000558 | 0.00998 | 0.00877 | 0.00554 | 0.0177 | 0.0000117 | 10.5 | 0.00000453 | 0.000101 | 0.00016 | 0.000693 | 0.0352 |
| 2057 Jul | 67.5 | 0.00343 | 0.154 | 0.000532 | 12.9 | 0.0518 | 11.3 | 0.00000562 | 0.00985 | 0.00833 | 0.00559 | 0.0172 | 0.0000118 | 10.1 | 0.00000446 | 0.0000994 | 0.00016 | 0.000674 | 0.0346 |
| 2057 Aug | 64.1 | 0.00303 | 0.144 | 0.000551 | 12.2 | 0.05 | 10.7 | 0.00000567 | 0.00969 | 0.00774 | 0.00564 | 0.0164 | 0.0000118 | 9.66 | 0.00000436 | 0.0000968 | 0.000155 | 0.000649 | 0.0337 |
| 2057 Sep | 62.3 | 0.00324 | 0.141 | 0.000614 | 11.9 | 0.0485 | 10.4 | 0.0000056 | 0.00952 | 0.00743 | 0.00557 | 0.0158 | 0.0000117 | 9.38 | 0.00000427 | 0.0000948 | 0.000147 | 0.000634 | 0.0331 |
| 2057 Oct | 67.5 | 0.00265 | 0.159 | 0.00073 | 12.8 | 0.051 | 11.2 | 0.00000562 | 0.0103 | 0.00828 | 0.00559 | 0.0168 | 0.0000117 | 10.1 | 0.00000468 | 0.0000996 | 0.000157 | 0.000685 | 0.0357 |
| 2057 Nov | 69.8 | 0.00242 | 0.167 | 0.000759 | 13.3 | 0.0522 | 11.6 | 0.00000565 | 0.0106 | 0.00869 | 0.00562 | 0.0174 | 0.0000118 | 10.4 | 0.00000479 | 0.000102 | 0.000162 | 0.000707 | 0.0369 |
| 2057 Dec | 70 | 0.00241 | 0.168 | 0.000762 | 13.3 | 0.0523 | 11.7 | 0.00000565 | 0.0107 | 0.00873 | 0.00562 | 0.0174 | 0.0000118 | 10.5 | 0.0000048 | 0.000102 | 0.000162 | 0.000709 | 0.037 |
| 2058 Jan | 70 | 0.00241 | 0.168 | 0.000762 | 13.3 | 0.0523 | 11.7 | 0.00000565 | 0.0107 | 0.00873 | 0.00562 | 0.0174 | 0.0000118 | 10.5 | 0.00000479 | 0.000102 | 0.000162 | 0.000709 | 0.037 |
| 2058 Feb | 70 | 0.00242 | 0.168 | 0.000762 | 13.3 | 0.0523 | 11.7 | 0.00000565 | 0.0107 | 0.00873 | 0.00562 | 0.0174 | 0.0000118 | 10.5 | 0.00000479 | 0.000102 | 0.000162 | 0.000709 | 0.037 |
| 2058 Mar | 70 | 0.00242 | 0.168 | 0.000762 | 13.3 | 0.0523 | 11.7 | 0.00000565 | 0.0107 | 0.00873 | 0.00562 | 0.0174 | 0.0000118 | 10.5 | 0.00000479 | 0.000102 | 0.000162 | 0.000709 | 0.037 |
| 2058 Apr | 70.1 | 0.00242 | 0.168 | 0.000763 | 13.3 | 0.0523 | 11.7 | 0.00000566 | 0.0107 | 0.00873 | 0.00562 | 0.0174 | 0.0000118 | 10.5 | 0.0000048 | 0.000102 | 0.000163 | 0.000709 | 0.0371 |
| 2058 May | 68.2 | 0.00319 | 0.16 | 0.000795 | 12.9 | 0.0515 | 11.3 | 0.00000564 | 0.0102 | 0.00835 | 0.00561 | 0.0171 | 0.0000118 | 10.2 | 0.00000467 | 0.0001 | 0.000157 | 0.000689 | 0.0355 |
| 2058 Jun | 69.8 | 0.00397 | 0.161 | 0.000612 | 13.3 | 0.0539 | 11.6 | 0.00000556 | 0.0104 | 0.0085 | 0.00552 | 0.0179 | 0.0000116 | 10.4 | 0.00000449 | 0.000102 | 0.000161 | 0.000711 | 0.0353 |
| 2058 Jul | 70.7 | 0.00306 | 0.163 | 0.000624 | 13.5 | 0.0554 | 11.8 | 0.0000057 | 0.0109 | 0.00863 | 0.00564 | 0.0182 | 0.0000119 | 10.6 | 0.00000459 | 0.000105 | 0.000166 | 0.000736 | 0.0361 |
| 2058 Aug | 67.5 | 0.00306 | 0.152 | 0.000625 | 12.9 | 0.0538 | 11.2 | 0.00000574 | 0.0106 | 0.00805 | 0.00569 | 0.0175 | 0.000012 | 10.1 | 0.00000449 | 0.000102 | 0.000161 | 0.000707 | 0.0348 |
| 2058 Sep | 62.2 | 0.00353 | 0.139 | 0.000652 | 11.8 | 0.0502 | 10.3 | 0.00000561 | 0.0101 | 0.00721 | 0.00556 | 0.0161 | 0.0000116 | 9.35 | 0.00000426 | 0.0000964 | 0.000146 | 0.000665 | 0.0328 |
| 2058 Oct | 67 | 0.00254 | 0.157 | 0.00045 | 12.7 | 0.0529 | 11.1 | 0.00000564 | 0.0112 | 0.00799 | 0.00558 | 0.0171 | 0.0000117 | 10 | 0.00000468 | 0.000102 | 0.000156 | 0.000725 | 0.0356 |
| 2058 Nov | 69.4 | 0.00217 | 0.165 | 0.000383 | 13.2 | 0.0543 | 11.5 | 0.00000567 | 0.0117 | 0.00839 | 0.00561 | 0.0176 | 0.0000118 | 10.4 | 0.00000485 | 0.000104 | 0.000162 | 0.000752 | 0.0368 |
| 2058 Dec | 69.7 | 0.00214 | 0.166 | 0.000377 | 13.3 | 0.0545 | 11.6 | 0.00000567 | 0.0117 | 0.00845 | 0.00561 | 0.0177 | 0.0000118 | 10.4 | 0.00000486 | 0.000105 | 0.000163 | 0.000755 | 0.037 |
| 2059 Jan | 69.7 | 0.00214 | 0.166 | 0.000376 | 13.3 | 0.0545 | 11.6 | 0.00000567 | 0.0117 | 0.00846 | 0.00561 | 0.0177 | 0.0000118 | 10.4 | 0.00000486 | 0.000105 | 0.000163 | 0.000755 | 0.037 |
| 2059 Feb | 69.7 | 0.00214 | 0.166 | 0.000376 | 13.3 | 0.0545 | 11.6 | 0.00000567 | 0.0117 | 0.00846 | 0.00561 | 0.0177 | 0.0000118 | 10.4 | 0.00000485 | 0.000105 | 0.000163 | 0.000755 | 0.037 |
| 2059 Mar | 69.7 | 0.00215 | 0.166 | 0.000376 | 13.3 | 0.0545 | 11.6 | 0.00000567 | 0.0117 | 0.00846 | 0.00561 | 0.0177 | 0.0000118 | 10.4 | 0.00000485 | 0.000105 | 0.000163 | 0.000755 | 0.037 |
| 2059 Apr | 69.8 | 0.00215 | 0.166 | 0.000376 | 13.3 | 0.0546 | 11.6 | 0.00000568 | 0.0117 | 0.00847 | 0.00562 | 0.0177 | 0.0000119 | 10.4 | 0.00000486 | 0.000105 | 0.000163 | 0.000756 | 0.037 |
| 2059 May | 67.2 | 0.00288 | 0.156 | 0.000405 | 12.7 | 0.0532 | 11.2 | 0.00000566 | 0.0111 | 0.00796 | 0.0056 | 0.0172 | 0.0000118 | 10 | 0.00000469 | 0.000102 | 0.000156 | 0.000725 | 0.035 |
| 2059 Jun | 69.1 | 0.0044 | 0.159 | 0.000684 | 13.1 | 0.0539 | 11.3 | 0.00000561 | 0.0105 | 0.00806 | 0.00555 | 0.0178 | 0.0000117 | 10.3 | 0.00000444 | 0.000101 | 0.000159 | 0.00071 | 0.0348 |
| 2059 Jul | 67.9 | 0.0041 | 0.153 | 0.000719 | 13 | 0.0537 | 11.1 | 0.00000569 | 0.0102 | 0.00774 | 0.00564 | 0.0176 | 0.0000118 | 10.1 | 0.00000441 | 0.0000999 | 0.000159 | 0.000696 | 0.034 |
| 2059 Aug | 64.3 | 0.00398 | 0.142 | 0.000708 | 12.3 | 0.0518 | 10.5 | 0.00000571 | 0.0099 | 0.00716 | 0.00567 | 0.0168 | 0.0000118 | 9.63 | 0.0000043 | 0.0000968 | 0.000153 | 0.000665 | 0.0327 |
| 2059 Sep | 61.2 | 0.00387 | 0.135 | 0.000569 | 11.7 | 0.0495 | 9.92 | 0.00000563 | 0.00966 | 0.0067 | 0.00559 | 0.0159 | 0.0000117 | 9.17 | 0.00000417 | 0.0000937 | 0.000144 | 0.000639 | 0.0318 |
| 2059 Oct | 68.4 | 0.00249 | 0.162 | 0.000459 | 13.1 | 0.053 | 11.1 | 0.00000564 | 0.0111 | 0.00786 | 0.00559 | 0.0173 | 0.0000117 | 10.2 | 0.00000492 | 0.000101 | 0.000161 | 0.000721 | 0.0358 |
| 2059 Nov | 71.5 | 0.00231 | 0.172 | 0.000474 | 13.7 | 0.0546 | 11.6 | 0.00000569 | 0.0115 | 0.00838 | 0.00563 | 0.018 | 0.0000119 | 10.6 | 0.00000501 | 0.000104 | 0.000168 | 0.000749 | 0.0375 |
| 2059 Dec | 71.8 | 0.00231 | 0.173 | 0.000475 | 13.7 | 0.0547 | 11.7 | 0.00000569 | 0.0116 | 0.00842 | 0.00563 | 0.018 | 0.0000119 | 10.7 | 0.00000501 | 0.000104 | 0.000168 | 0.000751 | 0.0377 |
| 2060 Jan | 71.8 | 0.00231 | 0.173 | 0.000475 | 13.7 | 0.0547 | 11.7 | 0.00000569 | 0.0116 | 0.00843 | 0.00563 | 0.018 | 0.0000119 | 10.7 | 0.00000501 | 0.000104 | 0.000168 | 0.000751 | 0.0377 |
| 2060 Feb | 71.8 | 0.00232 | 0.173 | 0.000475 | 13.7 | 0.0547 | 11.7 | 0.00000569 | 0.0116 | 0.00843 | 0.00563 | 0.018 | 0.0000119 | 10.7 | 0.00000501 | 0.000104 | 0.000168 | 0.000751 | 0.0377 |
| 2060 Mar | 71.8 | 0.00232 | 0.173 | 0.000475 | 13.7 | 0.0547 | 11.7 | 0.00000569 | 0.0116 | 0.00842 | 0.00563 | 0.018 | 0.0000119 | 10.7 | 0.00000501 | 0.000104 | 0.000168 | 0.000751 | 0.0377 |
| 2060 Apr | 71.9 | 0.00232 | 0.173 | 0.000476 | 13.8 | 0.0548 | 11.7 | 0.0000057 | 0.0116 | 0.00843 | 0.00564 | 0.018 | 0.0000119 | 10.7 | 0.00000501 | 0.000104 | 0.000168 | 0.000752 | 0.0377 |
| 2060 May | 68 | 0.00489 | 0.157 | 0.000686 | 12.8 | 0.0523 | 11 | 0.00000561 | 0.0105 | 0.00776 | 0.00556 | 0.0173 | 0.0000117 | 10.1 | 0.00000456 | 0.0000991 | 0.000156 | 0.000697 | 0.0348 |
| 2060 Jun | 69.2 | 0.00585 | 0.159 | 0.000625 | 13.1 | 0.0525 | 11.2 | 0.00000557 | 0.0102 | 0.00795 | 0.00552 | 0.0176 | 0.0000116 | 10.3 | 0.00000438 | 0.0000989 | 0.000159 | 0.00069 | 0.0352 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 66.5 | 0.00533 | 0.149 | 0.000562 | 12.7 | 0.0516 | 10.7 | 0.00000563 | 0.00978 | 0.00742 | 0.00559 | 0.0171 | 0.0000117 | 9.89 | 0.0000043 | 0.0000965 | 0.000156 | 0.000665 | 0.0338 |
| 2060 Aug | 61.2 | 0.00326 | 0.137 | 0.000526 | 11.8 | 0.0484 | 9.76 | 0.00000556 | 0.00966 | 0.00667 | 0.00552 | 0.0158 | 0.0000115 | 9.14 | 0.00000411 | 0.0000922 | 0.000147 | 0.000628 | 0.0327 |
| 2060 Sep | 64.8 | 0.00241 | 0.152 | 0.000655 | 12.4 | 0.0497 | 10.4 | 0.00000553 | 0.0103 | 0.00734 | 0.00549 | 0.0164 | 0.0000115 | 9.65 | 0.00000424 | 0.0000959 | 0.00015 | 0.000668 | 0.0352 |
| 2060 Oct | 66.9 | 0.00222 | 0.158 | 0.000759 | 12.8 | 0.051 | 10.7 | 0.00000553 | 0.0106 | 0.00767 | 0.00549 | 0.0168 | 0.0000115 | 9.95 | 0.00000456 | 0.0000976 | 0.000157 | 0.000692 | 0.036 |
| 2060 Nov | 69 | 0.00198 | 0.165 | 0.000792 | 13.2 | 0.0522 | 11.1 | 0.00000556 | 0.011 | 0.00802 | 0.00551 | 0.0173 | 0.0000116 | 10.3 | 0.00000468 | 0.0000998 | 0.000163 | 0.000712 | 0.0371 |
| 2060 Dec | 69.3 | 0.00197 | 0.166 | 0.000795 | 13.3 | 0.0523 | 11.1 | 0.00000556 | 0.011 | 0.00806 | 0.00552 | 0.0173 | 0.0000116 | 10.3 | 0.00000468 | 0.0001 | 0.000163 | 0.000715 | 0.0373 |
| 2061 Jan | 69.3 | 0.00197 | 0.166 | 0.000795 | 13.3 | 0.0524 | 11.1 | 0.00000556 | 0.011 | 0.00807 | 0.00552 | 0.0173 | 0.0000116 | 10.3 | 0.00000468 | 0.0001 | 0.000163 | 0.000715 | 0.0373 |
| 2061 Feb | 69.3 | 0.00198 | 0.166 | 0.000796 | 13.3 | 0.0524 | 11.1 | 0.00000556 | 0.011 | 0.00807 | 0.00552 | 0.0173 | 0.0000116 | 10.3 | 0.00000468 | 0.0001 | 0.000163 | 0.000715 | 0.0373 |
| 2061 Mar | 69.3 | 0.00198 | 0.166 | 0.000796 | 13.3 | 0.0524 | 11.1 | 0.00000557 | 0.011 | 0.00807 | 0.00552 | 0.0173 | 0.0000116 | 10.3 | 0.00000468 | 0.0001 | 0.000163 | 0.000715 | 0.0373 |
| 2061 Apr | 69.4 | 0.00198 | 0.166 | 0.000797 | 13.3 | 0.0524 | 11.2 | 0.00000557 | 0.011 | 0.00808 | 0.00552 | 0.0173 | 0.0000116 | 10.3 | 0.00000468 | 0.0001 | 0.000163 | 0.000716 | 0.0373 |
| 2061 May | 66.1 | 0.00301 | 0.153 | 0.000817 | 12.5 | 0.051 | 10.6 | 0.00000555 | 0.0103 | 0.00745 | 0.00551 | 0.0167 | 0.0000115 | 9.8 | 0.00000448 | 0.0000967 | 0.000154 | 0.000682 | 0.0347 |
| 2061 Jun | 66.5 | 0.00395 | 0.15 | 0.000675 | 12.8 | 0.0514 | 10.6 | 0.00000543 | 0.0097 | 0.00741 | 0.00538 | 0.0171 | 0.0000113 | 9.88 | 0.00000419 | 0.0000946 | 0.000157 | 0.000663 | 0.034 |
| 2061 Jul | 63.6 | 0.0026 | 0.143 | 0.00072 | 12.3 | 0.0498 | 10.1 | 0.00000547 | 0.00962 | 0.00701 | 0.00542 | 0.0164 | 0.0000113 | 9.49 | 0.00000412 | 0.0000926 | 0.000156 | 0.000642 | 0.0336 |
| 2061 Aug | 62 | 0.00221 | 0.139 | 0.000729 | 12 | 0.0489 | 9.8 | 0.00000552 | 0.0097 | 0.00677 | 0.00548 | 0.016 | 0.0000114 | 9.27 | 0.0000041 | 0.000092 | 0.000154 | 0.000634 | 0.0336 |
| 2061 Sep | 60.3 | 0.00232 | 0.135 | 0.000561 | 11.6 | 0.0478 | 9.53 | 0.0000055 | 0.00961 | 0.0065 | 0.00546 | 0.0155 | 0.0000114 | 9.02 | 0.00000404 | 0.0000906 | 0.000147 | 0.000622 | 0.033 |
| 2061 Oct | 62.6 | 0.0024 | 0.142 | 0.00042 | 12.1 | 0.0493 | 9.88 | 0.00000547 | 0.0101 | 0.00677 | 0.00542 | 0.0159 | 0.0000113 | 9.32 | 0.00000457 | 0.0000921 | 0.000153 | 0.000655 | 0.0336 |
| 2061 Nov | 66.1 | 0.0023 | 0.153 | 0.000407 | 12.7 | 0.0511 | 10.4 | 0.00000551 | 0.0106 | 0.00731 | 0.00546 | 0.0167 | 0.0000114 | 9.82 | 0.00000472 | 0.0000955 | 0.000161 | 0.000688 | 0.0355 |
| 2061 Dec | 66.5 | 0.0023 | 0.155 | 0.000406 | 12.8 | 0.0513 | 10.5 | 0.00000551 | 0.0107 | 0.00737 | 0.00546 | 0.0168 | 0.0000114 | 9.88 | 0.00000472 | 0.000096 | 0.000161 | 0.000691 | 0.0357 |
| 2062 Jan | 66.6 | 0.00231 | 0.155 | 0.000406 | 12.8 | 0.0513 | 10.5 | 0.00000551 | 0.0107 | 0.00738 | 0.00546 | 0.0168 | 0.0000114 | 9.88 | 0.00000471 | 0.000096 | 0.000161 | 0.000691 | 0.0357 |
| 2062 Feb | 66.6 | 0.00231 | 0.155 | 0.000406 | 12.8 | 0.0513 | 10.5 | 0.00000551 | 0.0107 | 0.00738 | 0.00546 | 0.0168 | 0.0000114 | 9.88 | 0.00000471 | 0.000096 | 0.000161 | 0.000691 | 0.0357 |
| 2062 Mar | 66.6 | 0.00231 | 0.155 | 0.000406 | 12.8 | 0.0513 | 10.5 | 0.00000551 | 0.0107 | 0.00738 | 0.00546 | 0.0168 | 0.0000114 | 9.88 | 0.00000471 | 0.000096 | 0.000161 | 0.000691 | 0.0357 |
| 2062 Apr | 66.6 | 0.00231 | 0.155 | 0.000406 | 12.8 | 0.0513 | 10.5 | 0.00000552 | 0.0107 | 0.00739 | 0.00547 | 0.0168 | 0.0000114 | 9.89 | 0.00000472 | 0.0000961 | 0.000162 | 0.000692 | 0.0357 |
| 2062 May | 66.9 | 0.00232 | 0.156 | 0.000408 | 12.9 | 0.0515 | 10.6 | 0.00000554 | 0.0107 | 0.00742 | 0.00549 | 0.0169 | 0.0000115 | 9.93 | 0.00000474 | 0.0000965 | 0.000162 | 0.000695 | 0.0359 |
| 2062 Jun | 65.3 | 0.00344 | 0.147 | 0.000463 | 12.7 | 0.0512 | 10.2 | 0.00000544 | 0.00973 | 0.00692 | 0.00539 | 0.0168 | 0.0000113 | 9.69 | 0.00000424 | 0.000093 | 0.000156 | 0.000657 | 0.0334 |
| 2062 Jul | 65.7 | 0.00229 | 0.15 | 0.0005 | 12.7 | 0.0521 | 10.4 | 0.0000055 | 0.0106 | 0.00712 | 0.00544 | 0.0171 | 0.0000114 | 9.78 | 0.00000419 | 0.0000961 | 0.000161 | 0.000689 | 0.035 |
| 2062 Aug | 61.5 | 0.00203 | 0.137 | 0.000541 | 11.9 | 0.0498 | 9.65 | 0.00000551 | 0.0103 | 0.00649 | 0.00545 | 0.0161 | 0.0000114 | 9.17 | 0.00000407 | 0.0000929 | 0.000151 | 0.000657 | 0.0335 |
| 2062 Sep | 60.4 | 0.0024 | 0.136 | 0.000675 | 11.6 | 0.0489 | 9.49 | 0.00000546 | 0.0103 | 0.00634 | 0.0054 | 0.0157 | 0.0000113 | 9.01 | 0.00000403 | 0.0000921 | 0.000145 | 0.000654 | 0.0333 |
| 2062 Oct | 64.5 | 0.00284 | 0.147 | 0.000903 | 12.4 | 0.0511 | 10.1 | 0.00000542 | 0.011 | 0.00694 | 0.00536 | 0.0164 | 0.0000112 | 9.57 | 0.00000467 | 0.0000946 | 0.000159 | 0.000697 | 0.035 |
| 2062 Nov | 68.1 | 0.00289 | 0.158 | 0.00097 | 13.1 | 0.053 | 10.7 | 0.00000546 | 0.0115 | 0.00751 | 0.0054 | 0.0173 | 0.0000113 | 10.1 | 0.00000475 | 0.0000982 | 0.000166 | 0.00073 | 0.0371 |
| 2062 Dec | 68.3 | 0.0029 | 0.159 | 0.000974 | 13.2 | 0.0531 | 10.7 | 0.00000546 | 0.0115 | 0.00755 | 0.0054 | 0.0173 | 0.0000113 | 10.1 | 0.00000474 | 0.0000984 | 0.000167 | 0.000732 | 0.0372 |
| 2063 Jan | 68.3 | 0.00291 | 0.159 | 0.000974 | 13.2 | 0.0531 | 10.7 | 0.00000546 | 0.0115 | 0.00755 | 0.0054 | 0.0173 | 0.0000113 | 10.1 | 0.00000474 | 0.0000985 | 0.000167 | 0.000732 | 0.0372 |
| 2063 Feb | 68.3 | 0.00292 | 0.159 | 0.000974 | 13.2 | 0.0531 | 10.7 | 0.00000546 | 0.0115 | 0.00755 | 0.0054 | 0.0173 | 0.0000113 | 10.1 | 0.00000474 | 0.0000985 | 0.000167 | 0.000732 | 0.0372 |
| 2063 Mar | 68.3 | 0.00292 | 0.159 | 0.000974 | 13.2 | 0.0531 | 10.7 | 0.00000546 | 0.0115 | 0.00755 | 0.0054 | 0.0173 | 0.0000113 | 10.1 | 0.00000474 | 0.0000984 | 0.000167 | 0.000732 | 0.0372 |
| 2063 Apr | 68.3 | 0.00292 | 0.159 | 0.000974 | 13.2 | 0.0531 | 10.7 | 0.00000547 | 0.0115 | 0.00755 | 0.0054 | 0.0173 | 0.0000113 | 10.1 | 0.00000474 | 0.0000985 | 0.000167 | 0.000732 | 0.0372 |
| 2063 May | 65.7 | 0.00337 | 0.15 | 0.000953 | 12.6 | 0.0519 | 10.3 | 0.00000546 | 0.011 | 0.00711 | 0.0054 | 0.0168 | 0.0000113 | 9.74 | 0.0000046 | 0.0000959 | 0.00016 | 0.000704 | 0.0353 |
| 2063 Jun | 64.3 | 0.0042 | 0.143 | 0.000572 | 12.5 | 0.0507 | 9.88 | 0.00000535 | 0.00961 | 0.00655 | 0.0053 | 0.0167 | 0.000011 | 9.52 | 0.000004 | 0.0000911 | 0.000154 | 0.000648 | 0.033 |
| 2063 Jul | 65.2 | 0.00273 | 0.147 | 0.000344 | 12.7 | 0.051 | 10 | 0.00000542 | 0.00981 | 0.00673 | 0.00537 | 0.0169 | 0.0000112 | 9.66 | 0.00000406 | 0.0000923 | 0.000159 | 0.000655 | 0.0342 |
| 2063 Aug | 62.7 | 0.00271 | 0.138 | 0.000363 | 12.2 | 0.0499 | 9.61 | 0.00000551 | 0.00964 | 0.00634 | 0.00546 | 0.0163 | 0.0000114 | 9.32 | 0.00000403 | 0.0000909 | 0.000156 | 0.000637 | 0.0334 |
| 2063 Sep | 59.8 | 0.00291 | 0.129 | 0.000377 | 11.6 | 0.0484 | 9.15 | 0.00000551 | 0.0093 | 0.00591 | 0.00547 | 0.0157 | 0.0000113 | 8.91 | 0.00000394 | 0.0000884 | 0.000149 | 0.000612 | 0.032 |
| 2063 Oct | 59 | 0.00279 | 0.126 | 0.000391 | 11.5 | 0.0481 | 9.01 | 0.00000549 | 0.00934 | 0.00574 | 0.00545 | 0.0154 | 0.0000113 | 8.79 | 0.00000416 | 0.0000874 | 0.000148 | 0.000611 | 0.0314 |
| 2063 Nov | 60.1 | 0.00268 | 0.13 | 0.000395 | 11.7 | 0.0487 | 9.17 | 0.0000055 | 0.00953 | 0.00589 | 0.00546 | 0.0156 | 0.0000113 | 8.94 | 0.00000421 | 0.0000885 | 0.00015 | 0.000622 | 0.032 |
| 2063 Dec | 60.1 | 0.00267 | 0.13 | 0.000395 | 11.7 | 0.0487 | 9.18 | 0.00000551 | 0.00954 | 0.0059 | 0.00546 | 0.0156 | 0.0000113 | 8.94 | 0.00000421 | 0.0000885 | 0.00015 | 0.000623 | 0.032 |
| 2064 Jan | 60.2 | 0.00268 | 0.13 | 0.000395 | 11.7 | 0.0487 | 9.18 | 0.00000551 | 0.00954 | 0.0059 | 0.00546 | 0.0156 | 0.0000113 | 8.95 | 0.00000421 | 0.0000885 | 0.00015 | 0.000623 | 0.032 |
| 2064 Feb | 60.2 | 0.00268 | 0.13 | 0.000396 | 11.7 | 0.0487 | 9.18 | 0.00000551 | 0.00954 | 0.0059 | 0.00546 | 0.0156 | 0.0000113 | 8.95 | 0.00000421 | 0.0000885 | 0.00015 | 0.000623 | 0.032 |
| 2064 Mar | 60.2 | 0.00268 | 0.13 | 0.000396 | 11.7 | 0.0487 | 9.19 | 0.00000551 | 0.00954 | 0.0059 | 0.00546 | 0.0156 | 0.0000113 | 8.95 | 0.00000421 | 0.0000886 | 0.00015 | 0.000623 | 0.032 |
| 2064 Apr | 60.2 | 0.00268 | 0.131 | 0.000396 | 11.7 | 0.0487 | 9.19 | 0.00000551 | 0.00954 | 0.00591 | 0.00546 | 0.0157 | 0.0000113 | 8.95 | 0.00000421 | 0.0000886 | 0.00015 | 0.000624 | 0.032 |
| 2064 May | 60.4 | 0.00369 | 0.131 | 0.000506 | 11.7 | 0.0487 | 9.21 | 0.00000548 | 0.00944 | 0.00586 | 0.00544 | 0.0157 | 0.0000113 | 8.95 | 0.00000411 | 0.0000885 | 0.000147 | 0.000622 | 0.0316 |
| 2064 Jun | 65.7 | 0.00493 | 0.147 | 0.000472 | 12.7 | 0.0521 | 9.98 | 0.00000548 | 0.0102 | 0.00642 | 0.00542 | 0.0171 | 0.0000113 | 9.66 | 0.00000406 | 0.0000936 | 0.000155 | 0.000675 | 0.0337 |
| 2064 Jul | 63.1 | 0.00441 | 0.138 | 0.000428 | 12.2 | 0.0514 | 9.57 | 0.00000556 | 0.00996 | 0.00598 | 0.00549 | 0.0167 | 0.0000114 | 9.33 | 0.00000401 | 0.000092 | 0.000153 | 0.000656 | 0.0324 |
| 2064 Aug | 59.9 | 0.00348 | 0.13 | 0.000436 | 11.6 | 0.0494 | 9.04 | 0.00000557 | 0.00994 | 0.00556 | 0.00551 | 0.0159 | 0.0000114 | 8.87 | 0.00000393 | 0.0000899 | 0.000149 | 0.000635 | 0.0318 |
| 2064 Sep | 59.6 | 0.00321 | 0.133 | 0.000489 | 11.5 | 0.0487 | 8.99 | 0.00000552 | 0.0101 | 0.00551 | 0.00546 | 0.0156 | 0.0000113 | 8.81 | 0.00000391 | 0.0000899 | 0.000143 | 0.000638 | 0.0321 |
| 2064 Oct | 64.4 | 0.00265 | 0.15 | 0.000541 | 12.5 | 0.0513 | 9.72 | 0.00000557 | 0.0109 | 0.00615 | 0.0055 | 0.0166 | 0.0000115 | 9.48 | 0.00000408 | 0.0000948 | 0.000152 | 0.000687 | 0.0348 |
| 2064 Nov | 64.9 | 0.00258 | 0.151 | 0.000545 | 12.6 | 0.0516 | 9.8 | 0.00000559 | 0.011 | 0.00622 | 0.00551 | 0.0168 | 0.0000115 | 9.55 | 0.00000411 | 0.0000953 | 0.000153 | 0.000693 | 0.0351 |
| 2064 Dec | 64.9 | 0.00258 | 0.151 | 0.000545 | 12.6 | 0.0516 | 9.81 | 0.00000559 | 0.011 | 0.00622 | 0.00552 | 0.0168 | 0.0000115 | 9.55 | 0.00000411 | 0.0000953 | 0.000153 | 0.000693 | 0.0351 |
| 2065 Jan | 65 | 0.00258 | 0.152 | 0.000545 | 12.6 | 0.0516 | 9.81 | 0.00000559 | 0.011 | 0.00623 | 0.00552 | 0.0168 | 0.0000115 | 9.56 | 0.00000411 | 0.0000954 | 0.000153 | 0.000693 | 0.0351 |
| 2065 Feb | 65 | 0.00257 | 0.152 | 0.000546 | 12.6 | 0.0517 | 9.82 | 0.00000559 | 0.011 | 0.00623 | 0.00552 | 0.0168 | 0.0000115 | 9.56 | 0.00000411 | 0.0000954 | 0.000153 | 0.000694 | 0.0351 |
| 2065 Mar | 65.1 | 0.00257 | 0.152 | 0.000546 | 12.6 | 0.0517 | 9.82 | 0.00000559 | 0.011 | 0.00624 | 0.00552 | 0.0168 | 0.0000115 | 9.57 | 0.00000411 | 0.0000955 | 0.000153 | 0.000694 | 0.0352 |
| 2065 Apr | 65.2 | 0.00257 | 0.152 | 0.000547 | 12.6 | 0.0518 | 9.84 | 0.0000056 | 0.011 | 0.00625 | 0.00553 | 0.0168 | 0.0000115 | 9.58 | 0.00000412 | 0.0000956 | 0.000153 | 0.000695 | 0.0352 |
| 2065 May | 61.8 | 0.00331 | 0.139 | 0.000577 | 11.8 | 0.0503 | 9.34 | 0.00000556 | 0.0103 | 0.0057 | 0.0055 | 0.0162 | 0.0000114 | 9.09 | 0.00000398 | 0.000092 | 0.000144 | 0.00066 | 0.0323 |
| 2065 Jun | 65.7 | 0.00359 | 0.148 | 0.000533 | 12.8 | 0.0521 | 9.79 | 0.00000545 | 0.01 | 0.00609 | 0.00539 | 0.0172 | 0.0000112 | 9.65 | 0.00000398 | 0.0000921 | 0.000155 | 0.000665 | 0.0332 |
| 2065 Jul | 65.6 | 0.00307 | 0.147 | 0.000594 | 12.8 | 0.0522 | 9.76 | 0.00000554 | 0.01 | 0.00608 | 0.00548 | 0.0172 | 0.0000114 | 9.66 | 0.00000402 | 0.0000925 | 0.000158 | 0.000663 | 0.0336 |
| 2065 Aug | 61.9 | 0.00299 | 0.135 | 0.0006 | 12.1 | 0.0502 | 9.19 | 0.00000558 | 0.00967 | 0.00559 | 0.00553 | 0.0163 | 0.0000114 | 9.14 | 0.00000393 | 0.0000897 | 0.000152 | 0.000633 | 0.0322 |
| 2065 Sep | 59.4 | 0.00322 | 0.129 | 0.000642 | 11.6 | 0.0484 | 8.8 | 0.00000554 | 0.00945 | 0.00527 | 0.00548 | 0.0156 | 0.0000113 | 8.77 | 0.00000385 | 0.0000875 | 0.000144 | 0.000612 | 0.0314 |
| 2065 Oct | 63.4 | 0.00267 | 0.144 | 0.000831 | 12.4 | 0.0504 | 9.38 | 0.00000548 | 0.0105 | 0.00578 | 0.00542 | 0.0162 | 0.0000112 | 9.3 | 0.00000451 | 0.0000906 | 0.000154 | 0.000667 | 0.0335 |
| 2065 Nov | 67.5 | 0.00256 | 0.158 | 0.000911 | 13.2 | 0.0525 | 9.98 | 0.00000552 | 0.0111 | 0.00634 | 0.00546 | 0.0172 | 0.0000114 | 9.87 | 0.00000464 | 0.0000945 | 0.000163 | 0.000706 | 0.0358 |

**Appendix D16. Lake A15**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 68 | 0.00257 | 0.16 | 0.000919 | 13.3 | 0.0528 | 10.1 | 0.00000553 | 0.0112 | 0.00642 | 0.00546 | 0.0173 | 0.0000114 | 9.95 | 0.00000463 | 0.0000951 | 0.000164 | 0.000711 | 0.0362 |
| 2066 Jan | 68.2 | 0.00257 | 0.16 | 0.000921 | 13.3 | 0.0529 | 10.1 | 0.00000553 | 0.0112 | 0.00644 | 0.00546 | 0.0173 | 0.0000114 | 9.97 | 0.00000463 | 0.0000953 | 0.000164 | 0.000712 | 0.0362 |
| 2066 Feb | 68.2 | 0.00258 | 0.16 | 0.000922 | 13.3 | 0.0529 | 10.1 | 0.00000553 | 0.0113 | 0.00645 | 0.00546 | 0.0173 | 0.0000114 | 9.98 | 0.00000463 | 0.0000953 | 0.000165 | 0.000712 | 0.0363 |
| 2066 Mar | 68.3 | 0.00258 | 0.16 | 0.000923 | 13.3 | 0.0529 | 10.1 | 0.00000553 | 0.0113 | 0.00646 | 0.00547 | 0.0173 | 0.0000114 | 9.99 | 0.00000463 | 0.0000954 | 0.000165 | 0.000713 | 0.0363 |
| 2066 Apr | 68.3 | 0.00258 | 0.161 | 0.000924 | 13.3 | 0.053 | 10.1 | 0.00000554 | 0.0113 | 0.00646 | 0.00547 | 0.0174 | 0.0000114 | 9.99 | 0.00000463 | 0.0000955 | 0.000165 | 0.000713 | 0.0363 |
| 2066 May | 66.6 | 0.00308 | 0.154 | 0.000923 | 12.9 | 0.0522 | 9.86 | 0.00000553 | 0.0109 | 0.0062 | 0.00547 | 0.017 | 0.0000114 | 9.74 | 0.00000452 | 0.0000939 | 0.00016 | 0.000695 | 0.035 |
| 2066 Jun | 65.6 | 0.00462 | 0.147 | 0.000654 | 12.8 | 0.0522 | 9.69 | 0.00000545 | 0.0102 | 0.00599 | 0.00539 | 0.0171 | 0.0000112 | 9.61 | 0.00000398 | 0.0000921 | 0.000155 | 0.00067 | 0.0335 |
| 2066 Jul | 64.2 | 0.00405 | 0.14 | 0.000626 | 12.6 | 0.052 | 9.46 | 0.0000056 | 0.00996 | 0.0057 | 0.00554 | 0.017 | 0.0000115 | 9.44 | 0.00000398 | 0.0000916 | 0.000156 | 0.000656 | 0.0328 |
| 2066 Aug | 58.8 | 0.00369 | 0.124 | 0.000627 | 11.5 | 0.0489 | 8.64 | 0.00000558 | 0.00943 | 0.00503 | 0.00553 | 0.0157 | 0.0000114 | 8.7 | 0.00000383 | 0.0000871 | 0.000145 | 0.000611 | 0.0307 |
| 2066 Sep | 57.7 | 0.00363 | 0.123 | 0.000646 | 11.3 | 0.0478 | 8.47 | 0.00000555 | 0.00943 | 0.00489 | 0.0055 | 0.0152 | 0.0000113 | 8.53 | 0.00000379 | 0.0000863 | 0.00014 | 0.000604 | 0.0306 |
| 2066 Oct | 62.8 | 0.00276 | 0.143 | 0.000442 | 12.3 | 0.0504 | 9.2 | 0.00000554 | 0.0105 | 0.00548 | 0.00548 | 0.0162 | 0.0000113 | 9.21 | 0.00000425 | 0.0000908 | 0.000151 | 0.000664 | 0.0334 |
| 2066 Nov | 66.6 | 0.00235 | 0.156 | 0.000351 | 13 | 0.0526 | 9.73 | 0.00000557 | 0.0112 | 0.00595 | 0.0055 | 0.0171 | 0.0000114 | 9.72 | 0.00000453 | 0.0000942 | 0.00016 | 0.000704 | 0.0352 |
| 2066 Dec | 67.3 | 0.00233 | 0.158 | 0.000344 | 13.1 | 0.0529 | 9.83 | 0.00000558 | 0.0113 | 0.00604 | 0.00551 | 0.0172 | 0.0000114 | 9.82 | 0.00000453 | 0.0000949 | 0.000161 | 0.00071 | 0.0357 |
| 2067 Jan | 67.4 | 0.00233 | 0.159 | 0.000342 | 13.2 | 0.053 | 9.85 | 0.00000558 | 0.0113 | 0.00606 | 0.00551 | 0.0172 | 0.0000114 | 9.84 | 0.00000453 | 0.000095 | 0.000161 | 0.000711 | 0.0357 |
| 2067 Feb | 67.5 | 0.00233 | 0.159 | 0.000341 | 13.2 | 0.053 | 9.86 | 0.00000558 | 0.0113 | 0.00606 | 0.00551 | 0.0173 | 0.0000114 | 9.85 | 0.00000452 | 0.0000951 | 0.000162 | 0.000712 | 0.0358 |
| 2067 Mar | 67.5 | 0.00233 | 0.159 | 0.000341 | 13.2 | 0.053 | 9.87 | 0.00000558 | 0.0113 | 0.00607 | 0.00551 | 0.0173 | 0.0000114 | 9.85 | 0.00000452 | 0.0000951 | 0.000162 | 0.000712 | 0.0358 |
| 2067 Apr | 67.6 | 0.00233 | 0.159 | 0.000341 | 13.2 | 0.0531 | 9.89 | 0.00000559 | 0.0114 | 0.00608 | 0.00551 | 0.0173 | 0.0000115 | 9.87 | 0.00000453 | 0.0000953 | 0.000162 | 0.000713 | 0.0359 |
| 2067 May | 62.5 | 0.00366 | 0.14 | 0.000394 | 12 | 0.0507 | 9.17 | 0.00000554 | 0.0103 | 0.00536 | 0.00548 | 0.0163 | 0.0000113 | 9.13 | 0.0000042 | 0.0000904 | 0.000147 | 0.00066 | 0.032 |
| 2067 Jun | 66.6 | 0.00426 | 0.152 | 0.000774 | 13 | 0.0525 | 9.69 | 0.00000549 | 0.0103 | 0.00585 | 0.00542 | 0.0173 | 0.0000112 | 9.71 | 0.00000398 | 0.0000925 | 0.000156 | 0.000677 | 0.0339 |
| 2067 Jul | 65.2 | 0.00359 | 0.146 | 0.000741 | 12.8 | 0.0521 | 9.46 | 0.00000559 | 0.0102 | 0.00562 | 0.00553 | 0.0171 | 0.0000114 | 9.54 | 0.00000397 | 0.0000918 | 0.000157 | 0.000663 | 0.0335 |
| 2067 Aug | 62.7 | 0.00187 | 0.145 | 0.000476 | 12.3 | 0.0497 | 9.03 | 0.00000555 | 0.0104 | 0.00541 | 0.00549 | 0.0163 | 0.0000114 | 9.18 | 0.00000391 | 0.0000902 | 0.000154 | 0.000648 | 0.0342 |
| 2067 Sep | 62.5 | 0.00192 | 0.145 | 0.00047 | 12.2 | 0.0495 | 9 | 0.00000557 | 0.0104 | 0.00537 | 0.00551 | 0.0162 | 0.0000114 | 9.15 | 0.00000391 | 0.0000904 | 0.000151 | 0.000649 | 0.0341 |
| 2067 Oct | 63.2 | 0.00187 | 0.146 | 0.00049 | 12.4 | 0.0503 | 9.12 | 0.00000555 | 0.0106 | 0.00541 | 0.00548 | 0.0163 | 0.0000113 | 9.24 | 0.00000421 | 0.0000906 | 0.000153 | 0.000664 | 0.034 |
| 2067 Nov | 65.4 | 0.00169 | 0.154 | 0.000503 | 12.8 | 0.0515 | 9.44 | 0.00000557 | 0.011 | 0.00568 | 0.0055 | 0.0168 | 0.0000114 | 9.54 | 0.00000431 | 0.0000927 | 0.000158 | 0.000686 | 0.0351 |
| 2067 Dec | 65.7 | 0.00169 | 0.154 | 0.000504 | 12.9 | 0.0517 | 9.47 | 0.00000557 | 0.011 | 0.00571 | 0.0055 | 0.0169 | 0.0000114 | 9.58 | 0.00000431 | 0.000093 | 0.000158 | 0.000688 | 0.0353 |
| 2068 Jan | 65.8 | 0.00168 | 0.155 | 0.000504 | 12.9 | 0.0517 | 9.48 | 0.00000558 | 0.0111 | 0.00572 | 0.00551 | 0.0169 | 0.0000114 | 9.59 | 0.00000431 | 0.0000931 | 0.000158 | 0.000689 | 0.0353 |
| 2068 Feb | 65.8 | 0.00168 | 0.155 | 0.000505 | 12.9 | 0.0518 | 9.49 | 0.00000558 | 0.0111 | 0.00573 | 0.00551 | 0.0169 | 0.0000114 | 9.6 | 0.00000431 | 0.0000931 | 0.000158 | 0.00069 | 0.0353 |
| 2068 Mar | 65.9 | 0.00168 | 0.155 | 0.000505 | 12.9 | 0.0518 | 9.5 | 0.00000558 | 0.0111 | 0.00573 | 0.00551 | 0.0169 | 0.0000114 | 9.61 | 0.00000431 | 0.0000932 | 0.000159 | 0.00069 | 0.0354 |
| 2068 Apr | 66 | 0.00169 | 0.156 | 0.000506 | 12.9 | 0.0519 | 9.52 | 0.00000559 | 0.0111 | 0.00575 | 0.00552 | 0.017 | 0.0000114 | 9.63 | 0.00000432 | 0.0000934 | 0.000159 | 0.000692 | 0.0355 |
| 2068 May | 63.2 | 0.00308 | 0.144 | 0.000589 | 12.3 | 0.0506 | 9.14 | 0.00000555 | 0.0104 | 0.00535 | 0.00548 | 0.0164 | 0.0000113 | 9.21 | 0.00000412 | 0.0000905 | 0.00015 | 0.000661 | 0.033 |
| 2068 Jun | 65 | 0.00419 | 0.146 | 0.000488 | 12.7 | 0.0512 | 9.35 | 0.0000054 | 0.0099 | 0.00561 | 0.00533 | 0.0169 | 0.0000111 | 9.48 | 0.00000386 | 0.0000895 | 0.000155 | 0.000651 | 0.0334 |
| 2068 Jul | 65 | 0.00348 | 0.145 | 0.000498 | 12.8 | 0.0516 | 9.33 | 0.00000552 | 0.00986 | 0.00554 | 0.00546 | 0.017 | 0.0000113 | 9.51 | 0.0000039 | 0.00009 | 0.000157 | 0.00065 | 0.0334 |
| 2068 Aug | 62 | 0.00344 | 0.134 | 0.00051 | 12.2 | 0.0502 | 8.89 | 0.00000559 | 0.00958 | 0.00515 | 0.00553 | 0.0163 | 0.0000114 | 9.1 | 0.00000386 | 0.0000881 | 0.000151 | 0.000626 | 0.0322 |
| 2068 Sep | 57.3 | 0.0036 | 0.121 | 0.000532 | 11.3 | 0.0473 | 8.22 | 0.00000553 | 0.00908 | 0.00461 | 0.00548 | 0.0152 | 0.0000113 | 8.44 | 0.00000371 | 0.0000842 | 0.000139 | 0.000587 | 0.0303 |
| 2068 Oct | 59.3 | 0.0034 | 0.129 | 0.000566 | 11.6 | 0.0483 | 8.49 | 0.00000556 | 0.00945 | 0.00482 | 0.0055 | 0.0155 | 0.0000113 | 8.71 | 0.00000378 | 0.0000861 | 0.000143 | 0.000607 | 0.0315 |
| 2068 Nov | 59.4 | 0.00338 | 0.129 | 0.000569 | 11.7 | 0.0484 | 8.52 | 0.00000556 | 0.00948 | 0.00484 | 0.00551 | 0.0156 | 0.0000113 | 8.73 | 0.00000379 | 0.0000863 | 0.000143 | 0.000609 | 0.0315 |
| 2068 Dec | 59.5 | 0.00338 | 0.129 | 0.000569 | 11.7 | 0.0484 | 8.52 | 0.00000556 | 0.00948 | 0.00484 | 0.00551 | 0.0156 | 0.0000113 | 8.73 | 0.00000379 | 0.0000864 | 0.000143 | 0.000609 | 0.0316 |
| 2069 Jan | 59.5 | 0.00338 | 0.129 | 0.000569 | 11.7 | 0.0484 | 8.52 | 0.00000556 | 0.00949 | 0.00485 | 0.00551 | 0.0156 | 0.0000113 | 8.74 | 0.00000379 | 0.0000864 | 0.000143 | 0.00061 | 0.0316 |
| 2069 Feb | 59.5 | 0.00337 | 0.129 | 0.00057 | 11.7 | 0.0484 | 8.53 | 0.00000557 | 0.0095 | 0.00485 | 0.00551 | 0.0156 | 0.0000113 | 8.74 | 0.0000038 | 0.0000864 | 0.000143 | 0.00061 | 0.0316 |
| 2069 Mar | 59.6 | 0.00336 | 0.13 | 0.000571 | 11.7 | 0.0485 | 8.54 | 0.00000557 | 0.00951 | 0.00486 | 0.00551 | 0.0156 | 0.0000113 | 8.75 | 0.0000038 | 0.0000865 | 0.000143 | 0.000611 | 0.0316 |
| 2069 Apr | 59.7 | 0.00335 | 0.13 | 0.000572 | 11.7 | 0.0485 | 8.55 | 0.00000557 | 0.00953 | 0.00487 | 0.00551 | 0.0157 | 0.0000114 | 8.77 | 0.0000038 | 0.0000866 | 0.000144 | 0.000612 | 0.0317 |
| 2069 May | 59 | 0.00354 | 0.127 | 0.000574 | 11.6 | 0.0483 | 8.46 | 0.00000559 | 0.00937 | 0.00476 | 0.00553 | 0.0155 | 0.0000114 | 8.66 | 0.00000379 | 0.0000861 | 0.000142 | 0.000605 | 0.0311 |
| 2069 Jun | 64.7 | 0.00353 | 0.145 | 0.000406 | 12.7 | 0.0518 | 9.16 | 0.00000553 | 0.00969 | 0.00511 | 0.00546 | 0.017 | 0.0000113 | 9.42 | 0.00000384 | 0.0000892 | 0.000152 | 0.000644 | 0.032 |
| 2069 Jul | 66.9 | 0.00321 | 0.151 | 0.000429 | 13.2 | 0.0531 | 9.43 | 0.00000567 | 0.0101 | 0.00531 | 0.0056 | 0.0175 | 0.0000116 | 9.73 | 0.00000395 | 0.0000918 | 0.000159 | 0.000664 | 0.0335 |
| 2069 Aug | 61.6 | 0.00288 | 0.136 | 0.000477 | 12.2 | 0.05 | 8.68 | 0.00000565 | 0.00965 | 0.00475 | 0.00559 | 0.0162 | 0.0000115 | 9.01 | 0.00000382 | 0.0000878 | 0.000147 | 0.000622 | 0.0317 |
| 2069 Sep | 62.8 | 0.00232 | 0.145 | 0.000631 | 12.4 | 0.0495 | 8.81 | 0.00000559 | 0.0102 | 0.00495 | 0.00552 | 0.0162 | 0.0000114 | 9.14 | 0.00000384 | 0.000089 | 0.000146 | 0.000639 | 0.0334 |
| 2069 Oct | 66.7 | 0.00213 | 0.159 | 0.000708 | 13.1 | 0.0515 | 9.37 | 0.00000562 | 0.0108 | 0.00541 | 0.00555 | 0.0171 | 0.0000115 | 9.67 | 0.00000399 | 0.0000926 | 0.000154 | 0.000677 | 0.0356 |
| 2069 Nov | 67.4 | 0.00203 | 0.161 | 0.000718 | 13.2 | 0.052 | 9.47 | 0.00000563 | 0.0109 | 0.00549 | 0.00556 | 0.0172 | 0.0000115 | 9.77 | 0.00000404 | 0.0000933 | 0.000156 | 0.000685 | 0.036 |
| 2069 Dec | 67.5 | 0.00203 | 0.161 | 0.000719 | 13.3 | 0.052 | 9.48 | 0.00000563 | 0.0109 | 0.0055 | 0.00556 | 0.0172 | 0.0000115 | 9.78 | 0.00000404 | 0.0000934 | 0.000156 | 0.000686 | 0.036 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000494 | 2.99 | 0.00261 | 4.05 | 0.094 | 0.00197 | 2.33 | 0.00666 | 0.00406 | 0.0000686 | 0.000519 | 0.000145 | 0.103 | 0.00000771 | 0.000397 | 0.000897 | 0.00224 | 0.000000212 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000563 | 3.96 | 0.00366 | 4.95 | 0.117 | 0.00273 | 3.27 | 0.0121 | 0.0056 | 0.000105 | 0.0012 | 0.000252 | 0.149 | 0.0000122 | 0.000525 | 0.00139 | 0.00295 | 0.00346 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000617 | 4.73 | 0.00451 | 5.6 | 0.135 | 0.00325 | 4.08 | 0.0152 | 0.0064 | 0.000167 | 0.00207 | 0.000307 | 0.187 | 0.000019 | 0.000626 | 0.00183 | 0.00373 | 0.00478 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000259 | 1.73 | 0.00139 | 2.23 | 0.0176 | 0.000359 | 1.36 | 0.00116 | 0.00256 | 0.0000296 | 0.000113 | 0.0000693 | 0.0547 | 0.00000514 | 0.0000759 | 0.000267 | 0.00154 | 0.0000554 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000303 | 1.95 | 0.0016 | 2.51 | 0.0298 | 0.000609 | 1.51 | 0.00256 | 0.00303 | 0.0000861 | 0.000178 | 0.000094 | 0.0631 | 0.00000565 | 0.000128 | 0.00037 | 0.00175 | 0.000621 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.00000549 | 3.38 | 0.00302 | 4.39 | 0.111 | 0.00225 | 2.57 | 0.0114 | 0.00609 | 0.000251 | 0.000585 | 0.000258 | 0.118 | 0.00000825 | 0.000467 | 0.00101 | 0.00239 | 0.00424 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000308 | 1.66 | 0.00153 | 2.03 | 0.0205 | 0.000536 | 1.18 | 0.00253 | 0.00328 | 0.0000358 | 0.000132 | 0.0000642 | 0.0525 | 0.00000558 | 0.000132 | 0.000317 | 0.00167 | 0.0000871 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000366 | 1.91 | 0.0018 | 2.39 | 0.027 | 0.000789 | 1.32 | 0.00398 | 0.00372 | 0.0000732 | 0.00017 | 0.0000842 | 0.0621 | 0.00000584 | 0.000167 | 0.00035 | 0.0018 | 0.000197 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.0000039 | 2.64 | 0.00231 | 3.26 | 0.0367 | 0.00102 | 1.89 | 0.00554 | 0.00412 | 0.000154 | 0.000205 | 0.000119 | 0.0897 | 0.00000601 | 0.00019 | 0.000379 | 0.00193 | 0.000323 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000553 | 4.56 | 0.00444 | 4.84 | 0.106 | 0.00242 | 4.06 | 0.00741 | 0.00445 | 0.000122 | 0.00206 | 0.000159 | 0.183 | 0.0000189 | 0.000516 | 0.00182 | 0.00371 | |
| 2024 Feb | 0.00000553 | 4.56 | 0.00444 | 4.84 | 0.106 | 0.00242 | 4.06 | 0.00741 | 0.00445 | 0.000122 | 0.00206 | 0.000159 | 0.183 | 0.0000189 | 0.000515 | 0.00181 | 0.00371 | |
| 2024 Mar | 0.00000553 | 4.56 | 0.00444 | 4.84 | 0.106 | 0.00242 | 4.06 | 0.00741 | 0.00445 | 0.000122 | 0.00206 | 0.000159 | 0.183 | 0.0000189 | 0.000515 | 0.00181 | 0.00371 | |
| 2024 Apr | 0.00000555 | 4.59 | 0.00447 | 4.86 | 0.107 | 0.00244 | 4.08 | 0.00745 | 0.00447 | 0.000122 | 0.00207 | 0.00016 | 0.185 | 0.000019 | 0.000519 | 0.00183 | 0.00373 | 0.000000212 |
| 2024 May | 0.0000052 | 4.15 | 0.00401 | 4.45 | 0.094 | 0.00217 | 3.7 | 0.00666 | 0.00406 | 0.000109 | 0.00183 | 0.000145 | 0.165 | 0.0000173 | 0.000463 | 0.00164 | 0.00347 | 0.0000244 |
| 2024 Jun | 0.00000538 | 4.3 | 0.00419 | 4.71 | 0.0991 | 0.00244 | 3.77 | 0.00735 | 0.00447 | 0.0000926 | 0.00178 | 0.000163 | 0.175 | 0.0000163 | 0.000511 | 0.00168 | 0.00343 | 0.000642 |
| 2024 Jul | 0.00000562 | 4.48 | 0.00438 | 4.96 | 0.107 | 0.00266 | 3.9 | 0.00843 | 0.00482 | 0.0000948 | 0.00182 | 0.00018 | 0.182 | 0.0000167 | 0.000545 | 0.00175 | 0.00352 | 0.000934 |
| 2024 Aug | 0.00000553 | 4.27 | 0.00417 | 4.8 | 0.103 | 0.00259 | 3.72 | 0.00856 | 0.00468 | 0.0000917 | 0.00171 | 0.000181 | 0.173 | 0.0000159 | 0.000524 | 0.00167 | 0.00341 | 0.00108 |
| 2024 Sep | 0.00000523 | 3.82 | 0.00366 | 4.44 | 0.0942 | 0.0024 | 3.31 | 0.00863 | 0.00435 | 0.0000843 | 0.00146 | 0.000183 | 0.151 | 0.000014 | 0.000474 | 0.00148 | 0.00312 | 0.00145 |
| 2024 Oct | 0.00000574 | 4.31 | 0.00412 | 5.08 | 0.112 | 0.00287 | 3.71 | 0.0108 | 0.005 | 0.000101 | 0.00164 | 0.000224 | 0.171 | 0.000015 | 0.000557 | 0.00166 | 0.00334 | 0.0021 |
| 2024 Nov | 0.00000592 | 4.48 | 0.00427 | 5.3 | 0.118 | 0.00303 | 3.84 | 0.0117 | 0.00524 | 0.000125 | 0.00169 | 0.000239 | 0.177 | 0.0000153 | 0.000586 | 0.00172 | 0.00343 | 0.00237 |
| 2024 Dec | 0.00000599 | 4.56 | 0.00434 | 5.39 | 0.121 | 0.0031 | 3.9 | 0.012 | 0.00535 | 0.000124 | 0.00172 | 0.000245 | 0.18 | 0.0000155 | 0.000598 | 0.00174 | 0.00346 | 0.00246 |
| 2025 Jan | 0.00000603 | 4.6 | 0.00438 | 5.44 | 0.122 | 0.00313 | 3.93 | 0.0121 | 0.00541 | 0.000123 | 0.00173 | 0.000248 | 0.182 | 0.0000155 | 0.000605 | 0.00176 | 0.00347 | 0.0025 |
| 2025 Feb | 0.00000606 | 4.63 | 0.00441 | 5.48 | 0.124 | 0.00316 | 3.95 | 0.0122 | 0.00545 | 0.000123 | 0.00174 | 0.00025 | 0.183 | 0.0000156 | 0.00061 | 0.00177 | 0.00349 | 0.00254 |
| 2025 Mar | 0.00000609 | 4.66 | 0.00444 | 5.51 | 0.125 | 0.00319 | 3.98 | 0.0124 | 0.0055 | 0.000122 | 0.00175 | 0.000253 | 0.184 | 0.0000157 | 0.000615 | 0.00178 | 0.0035 | 0.00258 |
| 2025 Apr | 0.00000612 | 4.69 | 0.00447 | 5.55 | 0.126 | 0.00322 | 4 | 0.0125 | 0.00556 | 0.000121 | 0.00177 | 0.000255 | 0.186 | 0.0000158 | 0.00062 | 0.00179 | 0.00351 | 0.00262 |
| 2025 May | 0.00000617 | 4.73 | 0.00451 | 5.6 | 0.127 | 0.00325 | 4.04 | 0.0126 | 0.00561 | 0.000122 | 0.00178 | 0.000257 | 0.187 | 0.0000159 | 0.000626 | 0.00181 | 0.00354 | 0.00265 |
| 2025 Jun | 0.00000529 | 3.8 | 0.00347 | 4.56 | 0.0984 | 0.00241 | 3.21 | 0.0095 | 0.00497 | 0.0000903 | 0.00128 | 0.000207 | 0.144 | 0.0000127 | 0.000478 | 0.00138 | 0.00295 | 0.00235 |
| 2025 Jul | 0.00000589 | 4.28 | 0.00395 | 5.1 | 0.121 | 0.00284 | 3.52 | 0.0114 | 0.00592 | 0.0000925 | 0.00138 | 0.000252 | 0.162 | 0.0000134 | 0.000565 | 0.00153 | 0.00312 | 0.00326 |
| 2025 Aug | 0.00000571 | 4.01 | 0.0037 | 4.84 | 0.114 | 0.00268 | 3.3 | 0.011 | 0.00559 | 0.000088 | 0.00127 | 0.000241 | 0.151 | 0.0000127 | 0.000528 | 0.00144 | 0.00302 | 0.00311 |
| 2025 Sep | 0.00000519 | 3.43 | 0.00313 | 4.32 | 0.0977 | 0.00237 | 2.84 | 0.0104 | 0.00487 | 0.000078 | 0.00102 | 0.000222 | 0.127 | 0.000011 | 0.000451 | 0.00122 | 0.00271 | 0.00294 |
| 2025 Oct | 0.00000546 | 3.69 | 0.00336 | 4.76 | 0.108 | 0.00267 | 3.04 | 0.0122 | 0.00533 | 0.000167 | 0.00107 | 0.000252 | 0.136 | 0.0000112 | 0.000497 | 0.00129 | 0.0029 | 0.0035 |
| 2025 Nov | 0.00000584 | 4.06 | 0.00371 | 5.24 | 0.122 | 0.00302 | 3.33 | 0.0139 | 0.00594 | 0.000153 | 0.00117 | 0.000283 | 0.151 | 0.0000118 | 0.000558 | 0.00141 | 0.00301 | 0.00405 |
| 2025 Dec | 0.00000592 | 4.14 | 0.0038 | 5.34 | 0.125 | 0.0031 | 3.39 | 0.0142 | 0.00609 | 0.000146 | 0.0012 | 0.000289 | 0.154 | 0.000012 | 0.000572 | 0.00143 | 0.00303 | 0.00416 |
| 2026 Jan | 0.00000595 | 4.17 | 0.00383 | 5.38 | 0.126 | 0.00313 | 3.42 | 0.0144 | 0.00615 | 0.000143 | 0.0012 | 0.000292 | 0.156 | 0.000012 | 0.000577 | 0.00144 | 0.00304 | 0.00421 |
| 2026 Feb | 0.00000598 | 4.2 | 0.00386 | 5.41 | 0.127 | 0.00315 | 3.44 | 0.0145 | 0.0062 | 0.000141 | 0.00121 | 0.000294 | 0.157 | 0.0000121 | 0.000582 | 0.00145 | 0.00304 | 0.00425 |
| 2026 Mar | 0.000006 | 4.22 | 0.00388 | 5.43 | 0.128 | 0.00317 | 3.45 | 0.0146 | 0.00624 | 0.000139 | 0.00122 | 0.000295 | 0.158 | 0.0000121 | 0.000585 | 0.00146 | 0.00305 | 0.00428 |
| 2026 Apr | 0.00000602 | 4.24 | 0.00391 | 5.46 | 0.129 | 0.00319 | 3.47 | 0.0146 | 0.00629 | 0.000137 | 0.00122 | 0.000297 | 0.158 | 0.0000122 | 0.000589 | 0.00147 | 0.00305 | 0.00431 |
| 2026 May | 0.00000599 | 4.2 | 0.00387 | 5.41 | 0.128 | 0.00315 | 3.44 | 0.0145 | 0.00623 | 0.000135 | 0.00121 | 0.000294 | 0.157 | 0.0000121 | 0.000582 | 0.00145 | 0.00304 | 0.00426 |
| 2026 Jun | 0.00000504 | 3.34 | 0.00298 | 4.27 | 0.0956 | 0.00222 | 2.71 | 0.00998 | 0.00532 | 0.0000799 | 0.000823 | 0.000222 | 0.121 | 0.00000974 | 0.000433 | 0.00109 | 0.00253 | 0.00339 |
| 2026 Jul | 0.00000555 | 3.77 | 0.00343 | 4.78 | 0.115 | 0.00262 | 3.01 | 0.0118 | 0.0061 | 0.0000842 | 0.000928 | 0.000261 | 0.138 | 0.0000105 | 0.00051 | 0.00123 | 0.00271 | 0.00412 |
| 2026 Aug | 0.00000539 | 3.55 | 0.00323 | 4.58 | 0.109 | 0.0025 | 2.85 | 0.0116 | 0.00574 | 0.0000806 | 0.000859 | 0.000251 | 0.129 | 0.0000101 | 0.00048 | 0.00117 | 0.00263 | 0.00392 |
| 2026 Sep | 0.00000538 | 3.51 | 0.00318 | 4.59 | 0.108 | 0.00252 | 2.82 | 0.012 | 0.00567 | 0.0000804 | 0.000842 | 0.000255 | 0.127 | 0.00000991 | 0.000478 | 0.00116 | 0.00261 | 0.00397 |
| 2026 Oct | 0.00000554 | 3.63 | 0.00329 | 4.81 | 0.113 | 0.00268 | 2.93 | 0.0129 | 0.00586 | 0.0000841 | 0.000871 | 0.000272 | 0.132 | 0.00001 | 0.000502 | 0.00121 | 0.00266 | 0.00424 |
| 2026 Nov | 0.00000573 | 3.79 | 0.00343 | 5.06 | 0.12 | 0.00286 | 3.06 | 0.0139 | 0.00612 | 0.0000883 | 0.00091 | 0.00029 | 0.138 | 0.0000102 | 0.000532 | 0.00126 | 0.00272 | 0.00457 |
| 2026 Dec | 0.00000575 | 3.81 | 0.00345 | 5.09 | 0.121 | 0.00288 | 3.07 | 0.014 | 0.00615 | 0.0000886 | 0.000914 | 0.000292 | 0.139 | 0.0000103 | 0.000535 | 0.00127 | 0.00273 | 0.00461 |
| 2027 Jan | 0.00000576 | 3.82 | 0.00346 | 5.11 | 0.121 | 0.00289 | 3.08 | 0.0141 | 0.00617 | 0.0000889 | 0.000918 | 0.000294 | 0.139 | 0.0000103 | 0.000538 | 0.00127 | 0.00273 | 0.00464 |
| 2027 Feb | 0.00000576 | 3.82 | 0.00346 | 5.11 | 0.121 | 0.00289 | 3.08 | 0.0141 | 0.00617 | 0.0000889 | 0.000918 | 0.000294 | 0.139 | 0.0000103 | 0.000538 | 0.00127 | 0.00273 | 0.00464 |
| 2027 Mar | 0.00000576 | 3.82 | 0.00346 | 5.11 | 0.121 | 0.00289 | 3.08 | 0.0141 | 0.00617 | 0.0000889 | 0.000917 | 0.000294 | 0.139 | 0.0000103 | 0.000538 | 0.00127 | 0.00273 | 0.00464 |
| 2027 Apr | 0.00000577 | 3.82 | 0.00347 | 5.11 | 0.121 | 0.00289 | 3.09 | 0.0141 | 0.00618 | 0.000089 | 0.000919 | 0.000294 | 0.139 | 0.0000103 | 0.000538 | 0.00128 | 0.00273 | 0.00464 |
| 2027 May | 0.00000559 | 3.65 | 0.00329 | 4.89 | 0.114 | 0.00272 | 2.95 | 0.0133 | 0.00587 | 0.0000854 | 0.000867 | 0.000278 | 0.132 | 0.00000999 | 0.000507 | 0.00122 | 0.00267 | 0.00436 |
| 2027 Jun | 0.00000504 | 3.23 | 0.00278 | 4.26 | 0.105 | 0.00214 | 2.54 | 0.0107 | 0.00537 | 0.0000727 | 0.00066 | 0.000237 | 0.112 | 0.00000861 | 0.000425 | 0.001 | 0.00237 | 0.00369 |
| 2027 Jul | 0.00000557 | 3.67 | 0.00327 | 4.82 | 0.129 | 0.00257 | 2.83 | 0.0131 | 0.00628 | 0.00008 | 0.00074 | 0.000279 | 0.129 | 0.00000918 | 0.000503 | 0.00112 | 0.00252 | 0.00435 |
| 2027 Aug | 0.00000539 | 3.45 | 0.00307 | 4.59 | 0.122 | 0.00244 | 2.66 | 0.0126 | 0.0059 | 0.0000764 | 0.000688 | 0.000264 | 0.121 | 0.0000089 | 0.00047 | 0.00106 | 0.00246 | 0.00405 |
| 2027 Sep | 0.00000494 | 2.99 | 0.00264 | 4.08 | 0.104 | 0.00211 | 2.33 | 0.0112 | 0.00507 | 0.0000686 | 0.000579 | 0.000234 | 0.103 | 0.00000812 | 0.000401 | 0.000927 | 0.00228 | 0.00349 |
| 2027 Oct | 0.00000521 | 3.25 | 0.00287 | 4.49 | 0.115 | 0.00239 | 2.53 | 0.0129 | 0.00552 | 0.000109 | 0.000626 | 0.000264 | 0.113 | 0.00000827 | 0.000447 | 0.000998 | 0.0024 | 0.00401 |
| 2027 Nov | 0.00000557 | 3.59 | 0.00319 | 4.94 | 0.13 | 0.00271 | 2.77 | 0.0146 | 0.00614 | 0.000107 | 0.000694 | 0.000296 | 0.125 | 0.00000866 | 0.000505 | 0.0011 | 0.00249 | 0.00458 |
| 2027 Dec | 0.00000563 | 3.64 | 0.00324 | 5.02 | 0.132 | 0.00276 | 2.81 | 0.0149 | 0.00625 | 0.000105 | 0.000705 | 0.000301 | 0.128 | 0.00000872 | 0.000514 | 0.00111 | 0.00251 | 0.00467 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000564 | 3.66 | 0.00326 | 5.04 | 0.133 | 0.00277 | 2.83 | 0.015 | 0.00629 | 0.000104 | 0.000709 | 0.000303 | 0.128 | 0.00000874 | 0.000517 | 0.00112 | 0.00251 | 0.0047 |
| 2028 Feb | 0.00000566 | 3.67 | 0.00327 | 5.06 | 0.133 | 0.00278 | 2.84 | 0.015 | 0.00632 | 0.000104 | 0.000711 | 0.000304 | 0.129 | 0.00000875 | 0.000519 | 0.00112 | 0.00251 | 0.00472 |
| 2028 Mar | 0.00000567 | 3.69 | 0.00329 | 5.07 | 0.134 | 0.0028 | 2.85 | 0.0151 | 0.00635 | 0.000103 | 0.000714 | 0.000305 | 0.129 | 0.00000877 | 0.000522 | 0.00112 | 0.00252 | 0.00475 |
| 2028 Apr | 0.00000568 | 3.7 | 0.0033 | 5.09 | 0.135 | 0.00281 | 2.86 | 0.0151 | 0.00637 | 0.000103 | 0.000716 | 0.000306 | 0.13 | 0.00000878 | 0.000524 | 0.00113 | 0.00252 | 0.00477 |
| 2028 May | 0.0000057 | 3.71 | 0.00331 | 5.11 | 0.135 | 0.00282 | 2.87 | 0.0152 | 0.0064 | 0.000103 | 0.000718 | 0.000307 | 0.13 | 0.00000882 | 0.000526 | 0.00113 | 0.00253 | 0.00478 |
| 2028 Jun | 0.00000494 | 3.03 | 0.00261 | 4.05 | 0.0959 | 0.00197 | 2.34 | 0.0103 | 0.00541 | 0.0000726 | 0.000519 | 0.000227 | 0.104 | 0.00000771 | 0.000397 | 0.000897 | 0.00224 | 0.0036 |
| 2028 Jul | 0.00000549 | 3.38 | 0.00302 | 4.39 | 0.111 | 0.00225 | 2.57 | 0.0114 | 0.00609 | 0.0000759 | 0.000585 | 0.000258 | 0.118 | 0.00000825 | 0.000467 | 0.00101 | 0.00239 | 0.00424 |
| 2028 Aug | 0.00000523 | 3.11 | 0.00277 | 4.05 | 0.0996 | 0.00203 | 2.38 | 0.0103 | 0.00559 | 0.0000712 | 0.000532 | 0.000235 | 0.108 | 0.000008 | 0.000422 | 0.000936 | 0.00232 | 0.00381 |
| 2028 Sep | 0.00000487 | 2.78 | 0.00247 | 3.64 | 0.0863 | 0.00176 | 2.14 | 0.00898 | 0.00497 | 0.0000651 | 0.000466 | 0.000208 | 0.0957 | 0.00000761 | 0.000367 | 0.000844 | 0.00222 | 0.00329 |
| 2028 Oct | 0.00000441 | 2.4 | 0.00212 | 3.18 | 0.0708 | 0.00145 | 1.87 | 0.0074 | 0.00425 | 0.000108 | 0.000392 | 0.000175 | 0.0818 | 0.00000708 | 0.000303 | 0.000732 | 0.00214 | 0.00268 |
| 2028 Nov | 0.00000442 | 2.43 | 0.00214 | 3.21 | 0.0713 | 0.00146 | 1.89 | 0.00746 | 0.00427 | 0.000141 | 0.000395 | 0.000176 | 0.0827 | 0.00000709 | 0.000305 | 0.000734 | 0.00219 | 0.00269 |
| 2028 Dec | 0.00000443 | 2.43 | 0.00214 | 3.22 | 0.0715 | 0.00146 | 1.89 | 0.00747 | 0.00428 | 0.000141 | 0.000396 | 0.000177 | 0.0829 | 0.0000071 | 0.000306 | 0.000735 | 0.00219 | 0.0027 |
| 2029 Jan | 0.00000443 | 2.43 | 0.00214 | 3.21 | 0.0715 | 0.00146 | 1.89 | 0.00747 | 0.00428 | 0.00014 | 0.000396 | 0.000177 | 0.0829 | 0.0000071 | 0.000306 | 0.000735 | 0.00219 | 0.0027 |
| 2029 Feb | 0.00000443 | 2.43 | 0.00214 | 3.21 | 0.0714 | 0.00146 | 1.89 | 0.00747 | 0.00428 | 0.00014 | 0.000396 | 0.000177 | 0.0828 | 0.0000071 | 0.000306 | 0.000735 | 0.00219 | 0.0027 |
| 2029 Mar | 0.00000443 | 2.43 | 0.00214 | 3.21 | 0.0714 | 0.00146 | 1.89 | 0.00747 | 0.00428 | 0.00014 | 0.000396 | 0.000177 | 0.0828 | 0.0000071 | 0.000306 | 0.000735 | 0.00219 | 0.0027 |
| 2029 Apr | 0.00000443 | 2.43 | 0.00214 | 3.21 | 0.0714 | 0.00146 | 1.89 | 0.00747 | 0.00428 | 0.00014 | 0.000396 | 0.000177 | 0.0828 | 0.0000071 | 0.000306 | 0.000735 | 0.00219 | 0.0027 |
| 2029 May | 0.00000444 | 2.44 | 0.00214 | 3.22 | 0.0716 | 0.00146 | 1.9 | 0.00748 | 0.00429 | 0.000141 | 0.000397 | 0.000177 | 0.083 | 0.00000712 | 0.000306 | 0.000737 | 0.0022 | 0.0027 |
| 2029 Jun | 0.000004 | 2.21 | 0.00183 | 2.95 | 0.0567 | 0.00116 | 1.74 | 0.00605 | 0.00395 | 0.0000953 | 0.000322 | 0.000146 | 0.0726 | 0.00000663 | 0.000245 | 0.000628 | 0.00201 | 0.0021 |
| 2029 Jul | 0.00000389 | 2.24 | 0.00184 | 2.98 | 0.0542 | 0.00111 | 1.76 | 0.00572 | 0.00401 | 0.0000538 | 0.000305 | 0.00014 | 0.0733 | 0.00000652 | 0.000233 | 0.000597 | 0.00192 | 0.00192 |
| 2029 Aug | 0.00000376 | 2.04 | 0.00171 | 2.73 | 0.0485 | 0.000991 | 1.62 | 0.00512 | 0.00361 | 0.00005 | 0.000277 | 0.000128 | 0.0666 | 0.00000641 | 0.00021 | 0.00056 | 0.00189 | 0.0017 |
| 2029 Sep | 0.00000363 | 1.9 | 0.0016 | 2.53 | 0.0438 | 0.000896 | 1.51 | 0.00459 | 0.0033 | 0.000047 | 0.000254 | 0.000119 | 0.0616 | 0.00000626 | 0.00019 | 0.000527 | 0.00185 | 0.00152 |
| 2029 Oct | 0.00000368 | 1.94 | 0.00165 | 2.59 | 0.0457 | 0.000934 | 1.54 | 0.00474 | 0.00337 | 0.0000518 | 0.000263 | 0.000123 | 0.0637 | 0.00000631 | 0.000198 | 0.000538 | 0.00187 | 0.00158 |
| 2029 Nov | 0.00000368 | 1.95 | 0.00165 | 2.59 | 0.0457 | 0.000935 | 1.54 | 0.00474 | 0.00337 | 0.0000557 | 0.000263 | 0.000123 | 0.0638 | 0.00000632 | 0.000198 | 0.000539 | 0.00188 | 0.00158 |
| 2029 Dec | 0.00000368 | 1.95 | 0.00165 | 2.59 | 0.0456 | 0.000934 | 1.54 | 0.00473 | 0.00337 | 0.0000557 | 0.000263 | 0.000123 | 0.0637 | 0.00000631 | 0.000198 | 0.000538 | 0.00188 | 0.00158 |
| 2030 Jan | 0.00000368 | 1.95 | 0.00165 | 2.59 | 0.0456 | 0.000934 | 1.54 | 0.00473 | 0.00337 | 0.0000557 | 0.000263 | 0.000123 | 0.0637 | 0.00000631 | 0.000198 | 0.000538 | 0.00188 | 0.00158 |
| 2030 Feb | 0.00000368 | 1.95 | 0.00165 | 2.59 | 0.0456 | 0.000934 | 1.54 | 0.00473 | 0.00337 | 0.0000557 | 0.000263 | 0.000123 | 0.0637 | 0.00000631 | 0.000198 | 0.000538 | 0.00188 | 0.00158 |
| 2030 Mar | 0.00000368 | 1.95 | 0.00165 | 2.59 | 0.0456 | 0.000934 | 1.54 | 0.00473 | 0.00337 | 0.0000557 | 0.000263 | 0.000123 | 0.0637 | 0.00000631 | 0.000198 | 0.000538 | 0.00188 | 0.00158 |
| 2030 Apr | 0.00000368 | 1.95 | 0.00165 | 2.59 | 0.0457 | 0.000934 | 1.54 | 0.00474 | 0.00337 | 0.0000557 | 0.000263 | 0.000123 | 0.0637 | 0.00000632 | 0.000198 | 0.000539 | 0.00188 | 0.00158 |
| 2030 May | 0.0000037 | 1.95 | 0.00166 | 2.6 | 0.0458 | 0.000938 | 1.55 | 0.00476 | 0.00338 | 0.0000559 | 0.000264 | 0.000124 | 0.064 | 0.00000634 | 0.000199 | 0.000541 | 0.00189 | 0.00159 |
| 2030 Jun | 0.00000341 | 1.88 | 0.00147 | 2.54 | 0.037 | 0.000763 | 1.52 | 0.00396 | 0.00335 | 0.0000445 | 0.000221 | 0.000105 | 0.0593 | 0.000006 | 0.000163 | 0.000475 | 0.00178 | 0.00124 |
| 2030 Jul | 0.00000355 | 2.06 | 0.00166 | 2.74 | 0.0432 | 0.000885 | 1.63 | 0.00446 | 0.00361 | 0.0000445 | 0.000249 | 0.000118 | 0.0664 | 0.00000616 | 0.000187 | 0.000507 | 0.00182 | 0.00141 |
| 2030 Aug | 0.0000035 | 1.94 | 0.00161 | 2.58 | 0.041 | 0.000836 | 1.54 | 0.00421 | 0.00334 | 0.0000432 | 0.000237 | 0.000113 | 0.0629 | 0.00000613 | 0.000177 | 0.000492 | 0.00181 | 0.00132 |
| 2030 Sep | 0.00000347 | 1.89 | 0.00157 | 2.5 | 0.0395 | 0.000806 | 1.5 | 0.00403 | 0.00322 | 0.0000425 | 0.00023 | 0.00011 | 0.0611 | 0.0000061 | 0.000171 | 0.000483 | 0.00181 | 0.00126 |
| 2030 Oct | 0.0000034 | 1.84 | 0.00151 | 2.44 | 0.0372 | 0.000761 | 1.45 | 0.00381 | 0.00305 | 0.000141 | 0.000224 | 0.000105 | 0.0591 | 0.000006 | 0.000162 | 0.000467 | 0.00192 | 0.00118 |
| 2030 Nov | 0.00000347 | 1.96 | 0.00163 | 2.58 | 0.0408 | 0.000835 | 1.53 | 0.00412 | 0.0032 | 0.000204 | 0.000243 | 0.000113 | 0.0637 | 0.00000607 | 0.000177 | 0.000485 | 0.00202 | 0.00129 |
| 2030 Dec | 0.00000348 | 1.97 | 0.00164 | 2.6 | 0.0414 | 0.000848 | 1.54 | 0.00417 | 0.00323 | 0.000202 | 0.000246 | 0.000115 | 0.0644 | 0.00000608 | 0.000179 | 0.000489 | 0.00202 | 0.00131 |
| 2031 Jan | 0.00000348 | 1.98 | 0.00164 | 2.6 | 0.0414 | 0.000848 | 1.54 | 0.00418 | 0.00323 | 0.000202 | 0.000246 | 0.000115 | 0.0645 | 0.00000608 | 0.000179 | 0.000489 | 0.00202 | 0.00131 |
| 2031 Feb | 0.00000348 | 1.98 | 0.00164 | 2.6 | 0.0414 | 0.000848 | 1.54 | 0.00418 | 0.00323 | 0.000202 | 0.000246 | 0.000115 | 0.0645 | 0.00000608 | 0.000179 | 0.000489 | 0.00202 | 0.00131 |
| 2031 Mar | 0.00000348 | 1.98 | 0.00164 | 2.6 | 0.0414 | 0.000848 | 1.54 | 0.00418 | 0.00323 | 0.000202 | 0.000246 | 0.000115 | 0.0645 | 0.00000608 | 0.000179 | 0.000489 | 0.00202 | 0.00131 |
| 2031 Apr | 0.00000349 | 1.98 | 0.00165 | 2.6 | 0.0415 | 0.00085 | 1.54 | 0.00418 | 0.00324 | 0.000202 | 0.000247 | 0.000115 | 0.0646 | 0.00000609 | 0.00018 | 0.00049 | 0.00203 | 0.00131 |
| 2031 May | 0.00000343 | 1.9 | 0.00156 | 2.51 | 0.0384 | 0.000788 | 1.49 | 0.00392 | 0.00308 | 0.000187 | 0.000232 | 0.000108 | 0.0611 | 0.00000604 | 0.000168 | 0.000473 | 0.00199 | 0.00121 |
| 2031 Jun | 0.00000335 | 1.96 | 0.00158 | 2.6 | 0.0371 | 0.000765 | 1.56 | 0.00376 | 0.0032 | 0.0000695 | 0.000219 | 0.000106 | 0.0624 | 0.00000594 | 0.000162 | 0.000455 | 0.0018 | 0.00112 |
| 2031 Jul | 0.00000348 | 2.09 | 0.00168 | 2.75 | 0.0399 | 0.000824 | 1.65 | 0.00401 | 0.00346 | 0.0000642 | 0.000233 | 0.000113 | 0.0669 | 0.00000614 | 0.000174 | 0.000477 | 0.00185 | 0.0012 |
| 2031 Aug | 0.0000034 | 1.94 | 0.00156 | 2.57 | 0.0357 | 0.000737 | 1.54 | 0.00363 | 0.0032 | 0.0000601 | 0.000214 | 0.000104 | 0.0614 | 0.00000608 | 0.000157 | 0.000455 | 0.00183 | 0.00107 |
| 2031 Sep | 0.00000325 | 1.75 | 0.00144 | 2.31 | 0.0319 | 0.000657 | 1.39 | 0.00316 | 0.00285 | 0.0000498 | 0.000194 | 0.0000957 | 0.0558 | 0.00000587 | 0.000141 | 0.000426 | 0.00176 | 0.000936 |
| 2031 Oct | 0.00000327 | 1.83 | 0.00151 | 2.4 | 0.0339 | 0.000697 | 1.44 | 0.00331 | 0.0029 | 0.000169 | 0.000208 | 0.0001 | 0.0591 | 0.00000587 | 0.000148 | 0.000432 | 0.00193 | 0.000982 |
| 2031 Nov | 0.00000333 | 1.93 | 0.00161 | 2.52 | 0.0368 | 0.000757 | 1.5 | 0.00356 | 0.00305 | 0.000188 | 0.000222 | 0.000107 | 0.0629 | 0.00000594 | 0.00016 | 0.000448 | 0.00197 | 0.00106 |
| 2031 Dec | 0.00000334 | 1.94 | 0.00161 | 2.53 | 0.037 | 0.00076 | 1.51 | 0.00357 | 0.00306 | 0.000187 | 0.000223 | 0.000107 | 0.0632 | 0.00000595 | 0.000161 | 0.000448 | 0.00197 | 0.00107 |
| 2032 Jan | 0.00000334 | 1.94 | 0.00161 | 2.53 | 0.037 | 0.000761 | 1.51 | 0.00357 | 0.00306 | 0.000187 | 0.000223 | 0.000107 | 0.0632 | 0.00000595 | 0.000161 | 0.000448 | 0.00197 | 0.00107 |
| 2032 Feb | 0.00000334 | 1.94 | 0.00161 | 2.53 | 0.037 | 0.000761 | 1.51 | 0.00357 | 0.00306 | 0.000187 | 0.000223 | 0.000107 | 0.0632 | 0.00000595 | 0.000161 | 0.000448 | 0.00197 | 0.00107 |
| 2032 Mar | 0.00000334 | 1.94 | 0.00161 | 2.53 | 0.037 | 0.00076 | 1.51 | 0.00357 | 0.00306 | 0.000187 | 0.000223 | 0.000107 | 0.0632 | 0.00000595 | 0.000161 | 0.000448 | 0.00197 | 0.00107 |
| 2032 Apr | 0.00000334 | 1.94 | 0.00161 | 2.53 | 0.037 | 0.000761 | 1.51 | 0.00357 | 0.00306 | 0.000187 | 0.000223 | 0.000107 | 0.0632 | 0.00000595 | 0.000161 | 0.000449 | 0.00197 | 0.00107 |
| 2032 May | 0.00000335 | 1.95 | 0.00162 | 2.54 | 0.0372 | 0.000763 | 1.51 | 0.00358 | 0.00307 | 0.000188 | 0.000224 | 0.000108 | 0.0634 | 0.00000597 | 0.000162 | 0.00045 | 0.00198 | 0.00107 |
| 2032 Jun | 0.00000316 | 1.92 | 0.00149 | 2.53 | 0.0315 | 0.000652 | 1.52 | 0.00313 | 0.00323 | 0.0000832 | 0.000192 | 0.0000952 | 0.0604 | 0.00000574 | 0.000138 | 0.00041 | 0.00177 | 0.000869 |
| 2032 Jul | 0.00000329 | 2.16 | 0.00175 | 2.8 | 0.0389 | 0.000798 | 1.68 | 0.00365 | 0.00359 | 0.0000478 | 0.000222 | 0.000112 | 0.0704 | 0.00000587 | 0.000167 | 0.00044 | 0.00175 | 0.00103 |
| 2032 Aug | 0.00000325 | 2.03 | 0.00166 | 2.63 | 0.0361 | 0.000738 | 1.58 | 0.00339 | 0.00333 | 0.0000451 | 0.000209 | 0.000105 | 0.0658 | 0.00000585 | 0.000155 | 0.000427 | 0.00175 | 0.000948 |
| 2032 Sep | 0.00000322 | 1.95 | 0.00161 | 2.53 | 0.0344 | 0.000703 | 1.52 | 0.00321 | 0.00318 | 0.0000436 | 0.000201 | 0.000102 | 0.0632 | 0.00000583 | 0.000148 | 0.000418 | 0.00174 | 0.000896 |
| 2032 Oct | 0.0000032 | 1.92 | 0.00158 | 2.5 | 0.0335 | 0.000685 | 1.5 | 0.00313 | 0.0031 | 0.0000811 | 0.000198 | 0.0000998 | 0.0622 | 0.00000581 | 0.000145 | 0.000414 | 0.00179 | 0.000871 |
| 2032 Nov | 0.00000321 | 1.94 | 0.00159 | 2.51 | 0.0338 | 0.000692 | 1.51 | 0.00316 | 0.00312 | 0.0000919 | 0.0002 | 0.000101 | 0.0627 | 0.00000582 | 0.000146 | 0.000415 | 0.0018 | 0.000879 |
| 2032 Dec | 0.00000321 | 1.94 | 0.00159 | 2.51 | 0.0338 | 0.000692 | 1.51 | 0.00316 | 0.00311 | 0.0000919 | 0.0002 | 0.000101 | 0.0627 | 0.00000582 | 0.000146 | 0.000415 | 0.0018 | 0.000878 |
| 2033 Jan | 0.00000321 | 1.94 | 0.00159 | 2.51 | 0.0338 | 0.000692 | 1.51 | 0.00316 | 0.00311 | 0.0000918 | 0.0002 | 0.000101 | 0.0627 | 0.00000582 | 0.000146 | 0.000415 | 0.0018 | 0.000878 |
| 2033 Feb | 0.00000321 | 1.94 | 0.00159 | 2.51 | 0.0338 | 0.000692 | 1.51 | 0.00316 | 0.00311 | 0.0000918 | 0.0002 | 0.000101 | 0.0627 | 0.00000582 | 0.000146 | 0.000415 | 0.0018 | 0.000878 |
| 2033 Mar | 0.00000321 | 1.94 | 0.00159 | 2.51 | 0.0338 | 0.000692 | 1.51 | 0.00316 | 0.00312 | 0.0000918 | 0.0002 | 0.000101 | 0.0627 | 0.00000582 | 0.000146 | 0.000415 | 0.0018 | 0.000878 |
| 2033 Apr | 0.00000321 | 1.94 | 0.00159 | 2.52 | 0.0339 | 0.000693 | 1.51 | 0.00316 | 0.00312 | 0.0000919 | 0.000201 | 0.000101 | 0.0627 | 0.00000583 | 0.000146 | 0.000416 | 0.00181 | 0.000879 |
| 2033 May | 0.0000031 | 1.77 | 0.00143 | 2.33 | 0.0286 | 0.000587 | 1.41 | 0.00276 | 0.00276 | 0.0000738 | 0.000176 | 0.0000888 | 0.0557 | 0.0000057 | 0.000125 | 0.000389 | 0.00175 | 0.000732 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 0.00000311 | 2.04 | 0.00166 | 2.64 | 0.0337 | 0.000693 | 1.59 | 0.00308 | 0.00316 | 0.0000418 | 0.000195 | 0.000101 | 0.0656 | 0.00000567 | 0.000145 | 0.000397 | 0.00169 | 0.000806 |
| 2033 Jul | 0.00000317 | 2.09 | 0.00171 | 2.7 | 0.0349 | 0.000716 | 1.63 | 0.00316 | 0.00328 | 0.0000412 | 0.000201 | 0.000104 | 0.0677 | 0.00000577 | 0.00015 | 0.000406 | 0.00172 | 0.000827 |
| 2033 Aug | 0.00000314 | 1.95 | 0.00159 | 2.54 | 0.0316 | 0.000646 | 1.53 | 0.0029 | 0.00306 | 0.00004 | 0.000186 | 0.0000965 | 0.0625 | 0.00000578 | 0.000136 | 0.000394 | 0.00172 | 0.000741 |
| 2033 Sep | 0.00000304 | 1.78 | 0.00147 | 2.32 | 0.0281 | 0.000575 | 1.4 | 0.00254 | 0.00277 | 0.0000377 | 0.00017 | 0.0000894 | 0.057 | 0.00000564 | 0.000122 | 0.000374 | 0.00168 | 0.000648 |
| 2033 Oct | 0.00000301 | 1.79 | 0.00146 | 2.33 | 0.0277 | 0.000567 | 1.4 | 0.0025 | 0.00269 | 0.000209 | 0.000176 | 0.0000883 | 0.0576 | 0.00000559 | 0.00012 | 0.000368 | 0.00191 | 0.000627 |
| 2033 Nov | 0.00000306 | 1.93 | 0.00159 | 2.49 | 0.031 | 0.000635 | 1.49 | 0.00274 | 0.00288 | 0.000251 | 0.000192 | 0.0000959 | 0.063 | 0.00000564 | 0.000133 | 0.000381 | 0.00198 | 0.000697 |
| 2033 Dec | 0.00000307 | 1.95 | 0.00161 | 2.51 | 0.0315 | 0.000644 | 1.5 | 0.00277 | 0.0029 | 0.000249 | 0.000194 | 0.000097 | 0.0637 | 0.00000565 | 0.000135 | 0.000383 | 0.00198 | 0.000707 |
| 2034 Jan | 0.00000307 | 1.95 | 0.00161 | 2.51 | 0.0315 | 0.000644 | 1.5 | 0.00277 | 0.00291 | 0.000248 | 0.000194 | 0.0000971 | 0.0637 | 0.00000565 | 0.000135 | 0.000383 | 0.00198 | 0.000708 |
| 2034 Feb | 0.00000307 | 1.95 | 0.00161 | 2.51 | 0.0315 | 0.000644 | 1.5 | 0.00277 | 0.00291 | 0.000248 | 0.000194 | 0.0000971 | 0.0637 | 0.00000565 | 0.000135 | 0.000383 | 0.00198 | 0.000708 |
| 2034 Mar | 0.00000307 | 1.95 | 0.00161 | 2.51 | 0.0315 | 0.000644 | 1.5 | 0.00277 | 0.00291 | 0.000248 | 0.000194 | 0.0000971 | 0.0637 | 0.00000565 | 0.000135 | 0.000383 | 0.00198 | 0.000708 |
| 2034 Apr | 0.00000307 | 1.95 | 0.00161 | 2.51 | 0.0315 | 0.000645 | 1.5 | 0.00277 | 0.00291 | 0.000248 | 0.000194 | 0.0000972 | 0.0637 | 0.00000566 | 0.000135 | 0.000383 | 0.00198 | 0.000709 |
| 2034 May | 0.00000305 | 1.89 | 0.00155 | 2.44 | 0.0296 | 0.000606 | 1.46 | 0.00264 | 0.0028 | 0.00023 | 0.000185 | 0.0000928 | 0.0609 | 0.00000564 | 0.000128 | 0.000376 | 0.00195 | 0.000664 |
| 2034 Jun | 0.00000297 | 1.96 | 0.00156 | 2.54 | 0.0287 | 0.000592 | 1.54 | 0.00256 | 0.00302 | 0.000062 | 0.000172 | 0.0000911 | 0.0624 | 0.00000553 | 0.000124 | 0.000361 | 0.00168 | 0.000599 |
| 2034 Jul | 0.00000308 | 2.14 | 0.00173 | 2.74 | 0.0328 | 0.000673 | 1.66 | 0.00282 | 0.00334 | 0.0000543 | 0.000189 | 0.000101 | 0.0692 | 0.00000569 | 0.00014 | 0.00038 | 0.00172 | 0.000676 |
| 2034 Aug | 0.00000311 | 2.1 | 0.0017 | 2.71 | 0.0318 | 0.000652 | 1.63 | 0.00276 | 0.00328 | 0.0000538 | 0.000186 | 0.0000989 | 0.0677 | 0.00000578 | 0.000136 | 0.000381 | 0.00175 | 0.000653 |
| 2034 Sep | 0.00000302 | 1.89 | 0.00152 | 2.45 | 0.0272 | 0.000558 | 1.48 | 0.00239 | 0.00294 | 0.0000497 | 0.000166 | 0.0000887 | 0.0601 | 0.00000567 | 0.000118 | 0.000362 | 0.00171 | 0.000555 |
| 2034 Oct | 0.00000296 | 1.79 | 0.00145 | 2.34 | 0.0255 | 0.000523 | 1.41 | 0.00222 | 0.00274 | 0.000115 | 0.00016 | 0.0000849 | 0.0572 | 0.00000557 | 0.000111 | 0.000351 | 0.00177 | 0.000512 |
| 2034 Nov | 0.00000299 | 1.87 | 0.00153 | 2.42 | 0.0274 | 0.000561 | 1.46 | 0.00234 | 0.00284 | 0.00013 | 0.000169 | 0.0000893 | 0.0603 | 0.0000056 | 0.000118 | 0.000358 | 0.0018 | 0.000548 |
| 2034 Dec | 0.00000299 | 1.88 | 0.00153 | 2.43 | 0.0274 | 0.000562 | 1.46 | 0.00235 | 0.00285 | 0.000129 | 0.000169 | 0.0000895 | 0.0604 | 0.0000056 | 0.000119 | 0.000358 | 0.0018 | 0.00055 |
| 2035 Jan | 0.00000299 | 1.88 | 0.00153 | 2.43 | 0.0274 | 0.000562 | 1.46 | 0.00235 | 0.00285 | 0.000129 | 0.000169 | 0.0000895 | 0.0604 | 0.0000056 | 0.000119 | 0.000358 | 0.0018 | 0.00055 |
| 2035 Feb | 0.00000299 | 1.88 | 0.00153 | 2.43 | 0.0274 | 0.000562 | 1.46 | 0.00235 | 0.00285 | 0.000129 | 0.000169 | 0.0000895 | 0.0604 | 0.0000056 | 0.000119 | 0.000358 | 0.0018 | 0.00055 |
| 2035 Mar | 0.00000299 | 1.88 | 0.00153 | 2.43 | 0.0274 | 0.000562 | 1.46 | 0.00235 | 0.00285 | 0.000129 | 0.000169 | 0.0000895 | 0.0604 | 0.0000056 | 0.000119 | 0.000358 | 0.0018 | 0.00055 |
| 2035 Apr | 0.00000299 | 1.88 | 0.00153 | 2.43 | 0.0275 | 0.000563 | 1.46 | 0.00235 | 0.00286 | 0.000129 | 0.00017 | 0.0000896 | 0.0605 | 0.00000561 | 0.000119 | 0.000358 | 0.0018 | 0.00055 |
| 2035 May | 0.00000301 | 1.88 | 0.00153 | 2.44 | 0.0274 | 0.000562 | 1.47 | 0.00235 | 0.00286 | 0.000129 | 0.00017 | 0.0000897 | 0.0605 | 0.00000565 | 0.000119 | 0.00036 | 0.00181 | 0.00055 |
| 2035 Jun | 0.00000289 | 1.94 | 0.0015 | 2.52 | 0.0257 | 0.00053 | 1.52 | 0.00225 | 0.0031 | 0.0000509 | 0.000157 | 0.000085 | 0.0611 | 0.00000546 | 0.000111 | 0.00034 | 0.00165 | 0.000476 |
| 2035 Jul | 0.00000301 | 2.18 | 0.00172 | 2.79 | 0.0309 | 0.000634 | 1.68 | 0.00257 | 0.00347 | 0.0000433 | 0.000179 | 0.0000977 | 0.0702 | 0.00000564 | 0.000131 | 0.000362 | 0.00169 | 0.000561 |
| 2035 Aug | 0.000003 | 2.04 | 0.00161 | 2.62 | 0.028 | 0.000575 | 1.58 | 0.00237 | 0.00324 | 0.0000419 | 0.000167 | 0.000091 | 0.065 | 0.00000566 | 0.00012 | 0.000354 | 0.0017 | 0.000506 |
| 2035 Sep | 0.0000029 | 1.79 | 0.00145 | 2.31 | 0.0241 | 0.000495 | 1.4 | 0.002 | 0.00279 | 0.0000381 | 0.000149 | 0.0000824 | 0.0572 | 0.0000055 | 0.000105 | 0.000335 | 0.00165 | 0.000425 |
| 2035 Oct | 0.00000289 | 1.83 | 0.0015 | 2.35 | 0.0253 | 0.000518 | 1.42 | 0.00203 | 0.00275 | 0.000123 | 0.000157 | 0.0000854 | 0.0592 | 0.00000547 | 0.000109 | 0.000335 | 0.00176 | 0.000437 |
| 2035 Nov | 0.00000291 | 1.93 | 0.00159 | 2.46 | 0.0274 | 0.00056 | 1.48 | 0.00217 | 0.00286 | 0.000173 | 0.000168 | 0.0000902 | 0.063 | 0.0000055 | 0.000117 | 0.000341 | 0.00183 | 0.00047 |
| 2035 Dec | 0.00000291 | 1.95 | 0.0016 | 2.48 | 0.0278 | 0.000567 | 1.49 | 0.00219 | 0.00289 | 0.000171 | 0.000169 | 0.000091 | 0.0636 | 0.0000055 | 0.000118 | 0.000342 | 0.00183 | 0.000476 |
| 2036 Jan | 0.00000291 | 1.95 | 0.0016 | 2.48 | 0.0278 | 0.000568 | 1.49 | 0.0022 | 0.00289 | 0.000171 | 0.00017 | 0.0000911 | 0.0636 | 0.0000055 | 0.000118 | 0.000342 | 0.00183 | 0.000476 |
| 2036 Feb | 0.00000291 | 1.95 | 0.0016 | 2.48 | 0.0278 | 0.000568 | 1.49 | 0.0022 | 0.00289 | 0.000171 | 0.00017 | 0.0000911 | 0.0636 | 0.0000055 | 0.000118 | 0.000342 | 0.00183 | 0.000476 |
| 2036 Mar | 0.00000291 | 1.95 | 0.0016 | 2.48 | 0.0278 | 0.000568 | 1.49 | 0.0022 | 0.00289 | 0.000171 | 0.00017 | 0.0000911 | 0.0636 | 0.0000055 | 0.000118 | 0.000342 | 0.00183 | 0.000476 |
| 2036 Apr | 0.00000292 | 1.95 | 0.00161 | 2.48 | 0.0278 | 0.000569 | 1.49 | 0.0022 | 0.00289 | 0.000171 | 0.00017 | 0.0000912 | 0.0637 | 0.00000551 | 0.000119 | 0.000343 | 0.00184 | 0.000477 |
| 2036 May | 0.00000294 | 1.96 | 0.00162 | 2.5 | 0.028 | 0.000573 | 1.5 | 0.00221 | 0.00291 | 0.000172 | 0.000171 | 0.0000919 | 0.0642 | 0.00000555 | 0.00012 | 0.000346 | 0.00185 | 0.00048 |
| 2036 Jun | 0.00000282 | 1.87 | 0.00143 | 2.44 | 0.0229 | 0.000473 | 1.47 | 0.00196 | 0.00299 | 0.0000761 | 0.000145 | 0.0000793 | 0.0587 | 0.00000539 | 0.0000999 | 0.000322 | 0.00167 | 0.00037 |
| 2036 Jul | 0.0000029 | 2.12 | 0.00168 | 2.71 | 0.0284 | 0.000581 | 1.63 | 0.00226 | 0.00335 | 0.0000453 | 0.000165 | 0.0000924 | 0.0684 | 0.0000055 | 0.00012 | 0.000337 | 0.00166 | 0.00044 |
| 2036 Aug | 0.00000292 | 2.02 | 0.00161 | 2.6 | 0.0267 | 0.000545 | 1.57 | 0.00215 | 0.00319 | 0.0000439 | 0.000159 | 0.0000883 | 0.065 | 0.00000555 | 0.000114 | 0.000336 | 0.00167 | 0.00041 |
| 2036 Sep | 0.00000288 | 1.88 | 0.0015 | 2.42 | 0.0241 | 0.000492 | 1.47 | 0.00196 | 0.00295 | 0.0000419 | 0.000147 | 0.0000823 | 0.0599 | 0.00000551 | 0.000104 | 0.000327 | 0.00166 | 0.000367 |
| 2036 Oct | 0.00000284 | 1.82 | 0.00147 | 2.34 | 0.0234 | 0.000477 | 1.41 | 0.00185 | 0.00276 | 0.000104 | 0.000147 | 0.0000813 | 0.0583 | 0.00000544 | 0.000101 | 0.000321 | 0.00173 | 0.000349 |
| 2036 Nov | 0.00000286 | 1.91 | 0.00156 | 2.44 | 0.0254 | 0.000518 | 1.47 | 0.00196 | 0.00288 | 0.000118 | 0.000156 | 0.0000861 | 0.0619 | 0.00000547 | 0.000108 | 0.000327 | 0.00175 | 0.000378 |
| 2036 Dec | 0.00000287 | 1.91 | 0.00156 | 2.44 | 0.0255 | 0.000519 | 1.47 | 0.00197 | 0.00288 | 0.000118 | 0.000156 | 0.0000863 | 0.062 | 0.00000547 | 0.000109 | 0.000327 | 0.00175 | 0.000379 |
| 2037 Jan | 0.00000287 | 1.91 | 0.00156 | 2.44 | 0.0255 | 0.000519 | 1.47 | 0.00197 | 0.00288 | 0.000118 | 0.000156 | 0.0000863 | 0.062 | 0.00000547 | 0.000109 | 0.000327 | 0.00175 | 0.000379 |
| 2037 Feb | 0.00000287 | 1.91 | 0.00156 | 2.44 | 0.0255 | 0.000519 | 1.47 | 0.00197 | 0.00288 | 0.000118 | 0.000156 | 0.0000863 | 0.062 | 0.00000547 | 0.000109 | 0.000327 | 0.00175 | 0.000379 |
| 2037 Mar | 0.00000287 | 1.91 | 0.00156 | 2.44 | 0.0255 | 0.000519 | 1.47 | 0.00197 | 0.00288 | 0.000118 | 0.000156 | 0.0000863 | 0.062 | 0.00000548 | 0.000109 | 0.000327 | 0.00175 | 0.000379 |
| 2037 Apr | 0.00000287 | 1.91 | 0.00156 | 2.44 | 0.0255 | 0.00052 | 1.47 | 0.00197 | 0.00288 | 0.000118 | 0.000156 | 0.0000863 | 0.062 | 0.00000548 | 0.000109 | 0.000327 | 0.00175 | 0.000379 |
| 2037 May | 0.00000281 | 1.75 | 0.00141 | 2.27 | 0.0217 | 0.000446 | 1.38 | 0.00178 | 0.00258 | 0.0000915 | 0.000139 | 0.000077 | 0.0553 | 0.0000054 | 0.0000948 | 0.000315 | 0.0017 | 0.000318 |
| 2037 Jun | 0.00000277 | 2.04 | 0.00163 | 2.6 | 0.0261 | 0.000536 | 1.58 | 0.002 | 0.00307 | 0.0000368 | 0.000153 | 0.0000873 | 0.0657 | 0.0000053 | 0.000111 | 0.000313 | 0.00159 | 0.000341 |
| 2037 Jul | 0.00000282 | 2.15 | 0.00173 | 2.71 | 0.0281 | 0.000575 | 1.64 | 0.0021 | 0.00326 | 0.0000357 | 0.000161 | 0.0000924 | 0.0698 | 0.0000054 | 0.000118 | 0.000321 | 0.00162 | 0.00036 |
| 2037 Aug | 0.00000284 | 2.04 | 0.00164 | 2.59 | 0.0261 | 0.000532 | 1.57 | 0.00199 | 0.0031 | 0.0000353 | 0.000153 | 0.0000875 | 0.0656 | 0.00000545 | 0.00011 | 0.000319 | 0.00163 | 0.000331 |
| 2037 Sep | 0.00000284 | 1.95 | 0.00157 | 2.49 | 0.0245 | 0.000499 | 1.51 | 0.00188 | 0.00297 | 0.0000349 | 0.000147 | 0.0000838 | 0.0625 | 0.00000547 | 0.000104 | 0.000317 | 0.00164 | 0.000309 |
| 2037 Oct | 0.00000281 | 1.84 | 0.00147 | 2.37 | 0.0224 | 0.000456 | 1.43 | 0.00175 | 0.00278 | 0.0000824 | 0.00014 | 0.0000789 | 0.0586 | 0.00000543 | 0.0000962 | 0.000311 | 0.00169 | 0.00028 |
| 2037 Nov | 0.00000281 | 1.86 | 0.00149 | 2.39 | 0.0228 | 0.000465 | 1.45 | 0.00177 | 0.00279 | 0.000109 | 0.000143 | 0.0000799 | 0.0595 | 0.00000543 | 0.0000978 | 0.000312 | 0.00173 | 0.000285 |
| 2037 Dec | 0.00000281 | 1.87 | 0.0015 | 2.39 | 0.0228 | 0.000466 | 1.45 | 0.00177 | 0.00279 | 0.000108 | 0.000143 | 0.00008 | 0.0596 | 0.00000543 | 0.000098 | 0.000312 | 0.00173 | 0.000285 |
| 2038 Jan | 0.00000281 | 1.87 | 0.0015 | 2.39 | 0.0228 | 0.000466 | 1.45 | 0.00177 | 0.00279 | 0.000108 | 0.000143 | 0.00008 | 0.0596 | 0.00000543 | 0.000098 | 0.000312 | 0.00173 | 0.000285 |
| 2038 Feb | 0.00000281 | 1.87 | 0.0015 | 2.39 | 0.0229 | 0.000466 | 1.45 | 0.00177 | 0.00279 | 0.000108 | 0.000143 | 0.00008 | 0.0596 | 0.00000543 | 0.000098 | 0.000312 | 0.00173 | 0.000285 |
| 2038 Mar | 0.00000281 | 1.87 | 0.0015 | 2.39 | 0.0229 | 0.000466 | 1.45 | 0.00177 | 0.00279 | 0.000108 | 0.000143 | 0.00008 | 0.0596 | 0.00000543 | 0.000098 | 0.000312 | 0.00173 | 0.000285 |
| 2038 Apr | 0.00000281 | 1.87 | 0.0015 | 2.4 | 0.0229 | 0.000466 | 1.45 | 0.00177 | 0.00279 | 0.000108 | 0.000143 | 0.0000801 | 0.0596 | 0.00000543 | 0.0000981 | 0.000312 | 0.00173 | 0.000286 |
| 2038 May | 0.00000279 | 1.78 | 0.00142 | 2.31 | 0.0211 | 0.000431 | 1.4 | 0.00169 | 0.00264 | 0.0000959 | 0.000136 | 0.0000757 | 0.0562 | 0.00000541 | 0.0000914 | 0.000307 | 0.00171 | 0.00026 |
| 2038 Jun | 0.00000276 | 2.02 | 0.00163 | 2.57 | 0.025 | 0.000514 | 1.56 | 0.00187 | 0.00296 | 0.0000403 | 0.000148 | 0.0000855 | 0.065 | 0.00000533 | 0.000106 | 0.000306 | 0.00161 | 0.000282 |
| 2038 Jul | 0.00000285 | 2.11 | 0.0017 | 2.68 | 0.0263 | 0.000538 | 1.63 | 0.00194 | 0.00313 | 0.0000397 | 0.000154 | 0.0000891 | 0.0681 | 0.00000549 | 0.000111 | 0.000316 | 0.00165 | 0.000293 |
| 2038 Aug | 0.00000287 | 2 | 0.00161 | 2.56 | 0.0242 | 0.000496 | 1.56 | 0.00183 | 0.00298 | 0.000039 | 0.000146 | 0.0000843 | 0.064 | 0.00000556 | 0.000103 | 0.000316 | 0.00167 | 0.000269 |
| 2038 Sep | 0.00000284 | 1.86 | 0.00149 | 2.39 | 0.0217 | 0.000445 | 1.46 | 0.00167 | 0.00277 | 0.0000377 | 0.000136 | 0.0000785 | 0.0588 | 0.00000552 | 0.0000939 | 0.00031 | 0.00166 | 0.000239 |
| 2038 Oct | 0.00000279 | 1.73 | 0.00139 | 2.24 | 0.0197 | 0.000404 | 1.36 | 0.00151 | 0.00256 | 0.0000706 | 0.000129 | 0.0000739 | 0.0547 | 0.00000543 | 0.0000861 | 0.000302 | 0.00168 | 0.000214 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 0.00000279 | 1.76 | 0.00142 | 2.28 | 0.0203 | 0.000416 | 1.38 | 0.00154 | 0.0026 | 0.0000742 | 0.000131 | 0.0000754 | 0.0559 | 0.00000544 | 0.0000883 | 0.000303 | 0.00169 | 0.00022 |
| 2038 Dec | 0.00000279 | 1.76 | 0.00142 | 2.28 | 0.0203 | 0.000416 | 1.38 | 0.00154 | 0.0026 | 0.0000742 | 0.000131 | 0.0000754 | 0.0559 | 0.00000544 | 0.0000883 | 0.000303 | 0.00169 | 0.00022 |
| 2039 Jan | 0.00000279 | 1.76 | 0.00142 | 2.28 | 0.0203 | 0.000416 | 1.38 | 0.00154 | 0.0026 | 0.0000741 | 0.000131 | 0.0000754 | 0.0559 | 0.00000544 | 0.0000883 | 0.000303 | 0.00169 | 0.00022 |
| 2039 Feb | 0.00000279 | 1.76 | 0.00142 | 2.28 | 0.0203 | 0.000416 | 1.38 | 0.00154 | 0.0026 | 0.0000741 | 0.000131 | 0.0000754 | 0.0559 | 0.00000544 | 0.0000883 | 0.000303 | 0.00169 | 0.00022 |
| 2039 Mar | 0.00000279 | 1.76 | 0.00142 | 2.28 | 0.0203 | 0.000416 | 1.38 | 0.00154 | 0.0026 | 0.0000741 | 0.000131 | 0.0000754 | 0.0559 | 0.00000544 | 0.0000884 | 0.000303 | 0.00169 | 0.00022 |
| 2039 Apr | 0.0000028 | 1.77 | 0.00142 | 2.28 | 0.0203 | 0.000416 | 1.39 | 0.00154 | 0.0026 | 0.0000742 | 0.000131 | 0.0000755 | 0.0559 | 0.00000544 | 0.0000884 | 0.000303 | 0.00169 | 0.000221 |
| 2039 May | 0.00000281 | 1.77 | 0.00143 | 2.29 | 0.0204 | 0.000418 | 1.39 | 0.00155 | 0.00262 | 0.0000745 | 0.000132 | 0.0000758 | 0.0562 | 0.00000547 | 0.0000888 | 0.000305 | 0.0017 | 0.000222 |
| 2039 Jun | 0.00000273 | 1.88 | 0.00143 | 2.43 | 0.0202 | 0.000416 | 1.47 | 0.00158 | 0.00297 | 0.000044 | 0.000128 | 0.0000744 | 0.0587 | 0.00000532 | 0.0000875 | 0.000294 | 0.00161 | 0.000201 |
| 2039 Jul | 0.00000276 | 2.03 | 0.00161 | 2.58 | 0.024 | 0.000487 | 1.56 | 0.00174 | 0.00313 | 0.0000346 | 0.000142 | 0.0000831 | 0.0651 | 0.00000537 | 0.000101 | 0.0003 | 0.00161 | 0.000226 |
| 2039 Aug | 0.0000028 | 1.97 | 0.0016 | 2.51 | 0.0238 | 0.000479 | 1.52 | 0.00172 | 0.003 | 0.0000342 | 0.000141 | 0.0000826 | 0.0636 | 0.00000544 | 0.0000997 | 0.000303 | 0.00163 | 0.000219 |
| 2039 Sep | 0.00000278 | 1.84 | 0.00149 | 2.36 | 0.0216 | 0.000434 | 1.43 | 0.00157 | 0.0028 | 0.0000335 | 0.000132 | 0.0000776 | 0.059 | 0.00000543 | 0.0000914 | 0.0003 | 0.00163 | 0.000197 |
| 2039 Oct | 0.00000278 | 1.82 | 0.00148 | 2.33 | 0.0213 | 0.00043 | 1.42 | 0.00153 | 0.00275 | 0.0000341 | 0.000131 | 0.0000775 | 0.0584 | 0.00000542 | 0.0000906 | 0.000298 | 0.00163 | 0.000194 |
| 2039 Nov | 0.00000278 | 1.82 | 0.00148 | 2.34 | 0.0214 | 0.000431 | 1.42 | 0.00153 | 0.00275 | 0.0000349 | 0.000131 | 0.0000776 | 0.0585 | 0.00000542 | 0.0000907 | 0.000299 | 0.00163 | 0.000194 |
| 2039 Dec | 0.00000278 | 1.82 | 0.00148 | 2.34 | 0.0214 | 0.00043 | 1.42 | 0.00153 | 0.00275 | 0.0000349 | 0.000131 | 0.0000775 | 0.0585 | 0.00000543 | 0.0000907 | 0.000299 | 0.00163 | 0.000194 |
| 2040 Jan | 0.00000278 | 1.82 | 0.00148 | 2.34 | 0.0213 | 0.00043 | 1.42 | 0.00153 | 0.00275 | 0.0000349 | 0.000131 | 0.0000775 | 0.0584 | 0.00000542 | 0.0000906 | 0.000299 | 0.00163 | 0.000194 |
| 2040 Feb | 0.00000278 | 1.82 | 0.00148 | 2.34 | 0.0213 | 0.00043 | 1.42 | 0.00153 | 0.00275 | 0.0000349 | 0.000131 | 0.0000775 | 0.0584 | 0.00000542 | 0.0000906 | 0.000299 | 0.00163 | 0.000194 |
| 2040 Mar | 0.00000278 | 1.82 | 0.00148 | 2.34 | 0.0213 | 0.00043 | 1.42 | 0.00153 | 0.00275 | 0.0000349 | 0.000131 | 0.0000775 | 0.0584 | 0.00000543 | 0.0000906 | 0.000299 | 0.00163 | 0.000194 |
| 2040 Apr | 0.00000278 | 1.82 | 0.00148 | 2.34 | 0.0213 | 0.00043 | 1.42 | 0.00153 | 0.00276 | 0.0000349 | 0.000131 | 0.0000775 | 0.0585 | 0.00000543 | 0.0000906 | 0.000299 | 0.00163 | 0.000194 |
| 2040 May | 0.00000277 | 1.77 | 0.00143 | 2.28 | 0.0201 | 0.000406 | 1.38 | 0.00149 | 0.00265 | 0.0000344 | 0.000127 | 0.0000745 | 0.0561 | 0.00000542 | 0.0000862 | 0.000297 | 0.00163 | 0.000182 |
| 2040 Jun | 0.00000271 | 1.99 | 0.00157 | 2.53 | 0.0225 | 0.000462 | 1.54 | 0.00163 | 0.00295 | 0.0000317 | 0.000136 | 0.0000804 | 0.0634 | 0.0000053 | 0.0000957 | 0.000291 | 0.00159 | 0.000185 |
| 2040 Jul | 0.00000277 | 2.12 | 0.0017 | 2.68 | 0.0249 | 0.000509 | 1.63 | 0.00173 | 0.00318 | 0.0000324 | 0.000145 | 0.0000866 | 0.0685 | 0.0000054 | 0.000104 | 0.000298 | 0.00162 | 0.000201 |
| 2040 Aug | 0.00000277 | 1.96 | 0.00157 | 2.5 | 0.0226 | 0.000458 | 1.52 | 0.00161 | 0.00293 | 0.0000319 | 0.000136 | 0.0000804 | 0.0628 | 0.00000542 | 0.0000953 | 0.000296 | 0.00162 | 0.000179 |
| 2040 Sep | 0.00000274 | 1.84 | 0.00149 | 2.33 | 0.021 | 0.000427 | 1.42 | 0.00147 | 0.00272 | 0.0000314 | 0.000129 | 0.0000766 | 0.0588 | 0.00000537 | 0.0000895 | 0.000292 | 0.00161 | 0.000164 |
| 2040 Oct | 0.00000276 | 1.88 | 0.00154 | 2.38 | 0.0218 | 0.000443 | 1.45 | 0.0015 | 0.00278 | 0.0000324 | 0.000132 | 0.0000788 | 0.0605 | 0.0000054 | 0.0000925 | 0.000294 | 0.00162 | 0.000169 |
| 2040 Nov | 0.00000276 | 1.88 | 0.00154 | 2.38 | 0.0218 | 0.000443 | 1.45 | 0.0015 | 0.00278 | 0.0000331 | 0.000132 | 0.0000788 | 0.0605 | 0.00000541 | 0.0000925 | 0.000294 | 0.00162 | 0.000169 |
| 2040 Dec | 0.00000276 | 1.88 | 0.00154 | 2.38 | 0.0218 | 0.000442 | 1.45 | 0.0015 | 0.00278 | 0.0000331 | 0.000132 | 0.0000788 | 0.0605 | 0.00000541 | 0.0000924 | 0.000294 | 0.00162 | 0.000169 |
| 2041 Jan | 0.00000276 | 1.88 | 0.00154 | 2.38 | 0.0218 | 0.000442 | 1.45 | 0.0015 | 0.00278 | 0.0000331 | 0.000132 | 0.0000787 | 0.0605 | 0.00000541 | 0.0000924 | 0.000294 | 0.00162 | 0.000169 |
| 2041 Feb | 0.00000276 | 1.88 | 0.00154 | 2.38 | 0.0218 | 0.000442 | 1.45 | 0.0015 | 0.00278 | 0.0000331 | 0.000132 | 0.0000787 | 0.0605 | 0.00000541 | 0.0000924 | 0.000294 | 0.00162 | 0.000169 |
| 2041 Mar | 0.00000276 | 1.88 | 0.00154 | 2.38 | 0.0218 | 0.000442 | 1.45 | 0.0015 | 0.00278 | 0.0000331 | 0.000132 | 0.0000787 | 0.0605 | 0.00000541 | 0.0000924 | 0.000294 | 0.00162 | 0.000169 |
| 2041 Apr | 0.00000276 | 1.88 | 0.00154 | 2.38 | 0.0218 | 0.000442 | 1.45 | 0.0015 | 0.00278 | 0.0000331 | 0.000132 | 0.0000788 | 0.0605 | 0.00000541 | 0.0000924 | 0.000295 | 0.00162 | 0.000169 |
| 2041 May | 0.00000277 | 1.86 | 0.00152 | 2.36 | 0.0213 | 0.000433 | 1.44 | 0.00149 | 0.00274 | 0.000033 | 0.000131 | 0.0000777 | 0.0596 | 0.00000542 | 0.0000908 | 0.000294 | 0.00163 | 0.000166 |
| 2041 Jun | 0.0000027 | 1.84 | 0.00141 | 2.37 | 0.0189 | 0.000389 | 1.44 | 0.00142 | 0.00286 | 0.0000312 | 0.000121 | 0.0000717 | 0.0574 | 0.00000531 | 0.000082 | 0.000285 | 0.00159 | 0.000139 |
| 2041 Jul | 0.00000273 | 2.08 | 0.00165 | 2.64 | 0.0237 | 0.000481 | 1.6 | 0.00162 | 0.00319 | 0.0000315 | 0.000139 | 0.0000834 | 0.0671 | 0.00000535 | 0.0000989 | 0.000291 | 0.0016 | 0.000163 |
| 2041 Aug | 0.00000272 | 1.89 | 0.00154 | 2.4 | 0.0217 | 0.000437 | 1.46 | 0.00149 | 0.00284 | 0.0000309 | 0.00013 | 0.0000777 | 0.061 | 0.00000534 | 0.0000911 | 0.000287 | 0.0016 | 0.000144 |
| 2041 Sep | 0.00000272 | 1.85 | 0.00151 | 2.34 | 0.0211 | 0.000426 | 1.42 | 0.00142 | 0.00275 | 0.0000308 | 0.000128 | 0.0000768 | 0.0596 | 0.00000534 | 0.0000891 | 0.000287 | 0.0016 | 0.000139 |
| 2041 Oct | 0.0000027 | 1.86 | 0.00154 | 2.34 | 0.0216 | 0.000436 | 1.42 | 0.00139 | 0.00272 | 0.0000354 | 0.00013 | 0.000079 | 0.0604 | 0.00000531 | 0.0000908 | 0.000285 | 0.0016 | 0.000141 |
| 2041 Nov | 0.00000271 | 1.89 | 0.00158 | 2.38 | 0.0223 | 0.00045 | 1.45 | 0.00142 | 0.00277 | 0.0000384 | 0.000133 | 0.0000808 | 0.0619 | 0.00000532 | 0.0000933 | 0.000287 | 0.00161 | 0.000145 |
| 2041 Dec | 0.00000271 | 1.89 | 0.00158 | 2.38 | 0.0223 | 0.00045 | 1.45 | 0.00142 | 0.00277 | 0.0000384 | 0.000133 | 0.0000807 | 0.0619 | 0.00000532 | 0.0000933 | 0.000287 | 0.00161 | 0.000145 |
| 2042 Jan | 0.00000271 | 1.89 | 0.00158 | 2.38 | 0.0223 | 0.00045 | 1.45 | 0.00142 | 0.00277 | 0.0000384 | 0.000133 | 0.0000807 | 0.0619 | 0.00000532 | 0.0000933 | 0.000287 | 0.00161 | 0.000145 |
| 2042 Feb | 0.00000271 | 1.89 | 0.00158 | 2.38 | 0.0223 | 0.00045 | 1.45 | 0.00142 | 0.00277 | 0.0000383 | 0.000133 | 0.0000807 | 0.0619 | 0.00000532 | 0.0000933 | 0.000287 | 0.00161 | 0.000145 |
| 2042 Mar | 0.00000271 | 1.89 | 0.00158 | 2.38 | 0.0223 | 0.00045 | 1.45 | 0.00142 | 0.00277 | 0.0000383 | 0.000133 | 0.0000807 | 0.0619 | 0.00000533 | 0.0000933 | 0.000287 | 0.00161 | 0.000145 |
| 2042 Apr | 0.00000271 | 1.9 | 0.00158 | 2.39 | 0.0223 | 0.00045 | 1.45 | 0.00142 | 0.00278 | 0.0000384 | 0.000133 | 0.0000808 | 0.0619 | 0.00000533 | 0.0000934 | 0.000287 | 0.00161 | 0.000145 |
| 2042 May | 0.00000273 | 1.87 | 0.00155 | 2.36 | 0.0217 | 0.000439 | 1.44 | 0.00141 | 0.00274 | 0.0000382 | 0.000131 | 0.0000795 | 0.0608 | 0.00000535 | 0.0000914 | 0.000288 | 0.00161 | 0.000141 |
| 2042 Jun | 0.00000267 | 1.88 | 0.00146 | 2.42 | 0.0195 | 0.000399 | 1.47 | 0.00139 | 0.00291 | 0.0000325 | 0.000122 | 0.0000735 | 0.0593 | 0.00000526 | 0.0000835 | 0.000279 | 0.00158 | 0.000118 |
| 2042 Jul | 0.00000269 | 2.03 | 0.00162 | 2.57 | 0.0228 | 0.000461 | 1.56 | 0.00152 | 0.00309 | 0.000031 | 0.000134 | 0.0000811 | 0.0656 | 0.00000529 | 0.0000948 | 0.000283 | 0.00158 | 0.000129 |
| 2042 Aug | 0.00000267 | 1.86 | 0.00153 | 2.35 | 0.0213 | 0.000426 | 1.43 | 0.0014 | 0.00275 | 0.0000303 | 0.000127 | 0.0000765 | 0.0602 | 0.00000526 | 0.0000888 | 0.000279 | 0.00158 | 0.000115 |
| 2042 Sep | 0.00000266 | 1.8 | 0.0015 | 2.27 | 0.0205 | 0.000413 | 1.38 | 0.00131 | 0.00264 | 0.00003 | 0.000124 | 0.0000755 | 0.0584 | 0.00000524 | 0.0000863 | 0.000277 | 0.00157 | 0.00011 |
| 2042 Oct | 0.00000263 | 1.85 | 0.00154 | 2.32 | 0.0213 | 0.000431 | 1.41 | 0.0013 | 0.00262 | 0.00012 | 0.000131 | 0.0000785 | 0.0608 | 0.00000518 | 0.0000892 | 0.000275 | 0.00168 | 0.00011 |
| 2042 Nov | 0.00000264 | 1.97 | 0.00165 | 2.45 | 0.0233 | 0.000471 | 1.48 | 0.00139 | 0.00277 | 0.000125 | 0.000139 | 0.0000836 | 0.0651 | 0.00000521 | 0.0000965 | 0.000277 | 0.00169 | 0.00012 |
| 2042 Dec | 0.00000265 | 1.97 | 0.00165 | 2.45 | 0.0234 | 0.000473 | 1.48 | 0.00139 | 0.00278 | 0.000124 | 0.000139 | 0.0000838 | 0.0653 | 0.00000521 | 0.0000968 | 0.000277 | 0.00169 | 0.000121 |
| 2043 Jan | 0.00000265 | 1.97 | 0.00165 | 2.45 | 0.0234 | 0.000473 | 1.48 | 0.00139 | 0.00278 | 0.000124 | 0.000139 | 0.0000838 | 0.0653 | 0.00000521 | 0.0000968 | 0.000277 | 0.00169 | 0.000121 |
| 2043 Feb | 0.00000265 | 1.97 | 0.00165 | 2.45 | 0.0234 | 0.000473 | 1.48 | 0.00139 | 0.00278 | 0.000124 | 0.000139 | 0.0000837 | 0.0653 | 0.00000521 | 0.0000968 | 0.000277 | 0.00169 | 0.000121 |
| 2043 Mar | 0.00000265 | 1.97 | 0.00165 | 2.45 | 0.0234 | 0.000473 | 1.48 | 0.00139 | 0.00278 | 0.000124 | 0.000139 | 0.0000837 | 0.0653 | 0.00000521 | 0.0000968 | 0.000278 | 0.00169 | 0.000121 |
| 2043 Apr | 0.00000265 | 1.97 | 0.00165 | 2.45 | 0.0234 | 0.000473 | 1.49 | 0.00139 | 0.00279 | 0.000124 | 0.000139 | 0.0000839 | 0.0654 | 0.00000522 | 0.0000969 | 0.000278 | 0.00169 | 0.000121 |
| 2043 May | 0.00000266 | 1.91 | 0.00159 | 2.4 | 0.0221 | 0.000448 | 1.45 | 0.00136 | 0.00269 | 0.000118 | 0.000135 | 0.0000806 | 0.0627 | 0.00000524 | 0.0000923 | 0.000278 | 0.00169 | 0.000114 |
| 2043 Jun | 0.00000261 | 1.99 | 0.00158 | 2.51 | 0.0215 | 0.00044 | 1.53 | 0.00142 | 0.00289 | 0.0000383 | 0.000128 | 0.0000784 | 0.0636 | 0.00000516 | 0.0000903 | 0.000272 | 0.00156 | 0.0000982 |
| 2043 Jul | 0.00000268 | 2.14 | 0.00171 | 2.69 | 0.0238 | 0.000485 | 1.63 | 0.00152 | 0.00316 | 0.0000361 | 0.000138 | 0.0000847 | 0.0693 | 0.00000529 | 0.0000988 | 0.00028 | 0.00159 | 0.000107 |
| 2043 Aug | 0.00000266 | 1.85 | 0.00148 | 2.34 | 0.0195 | 0.000398 | 1.43 | 0.0013 | 0.00272 | 0.0000338 | 0.000121 | 0.0000734 | 0.0588 | 0.00000527 | 0.0000832 | 0.000275 | 0.00158 | 0.0000859 |
| 2043 Sep | 0.00000264 | 1.78 | 0.00146 | 2.24 | 0.0193 | 0.000394 | 1.37 | 0.00122 | 0.00259 | 0.000032 | 0.00012 | 0.000073 | 0.0574 | 0.00000522 | 0.0000824 | 0.000273 | 0.00157 | 0.0000824 |
| 2043 Oct | 0.00000264 | 1.84 | 0.00152 | 2.3 | 0.0203 | 0.000414 | 1.4 | 0.00124 | 0.00265 | 0.0000333 | 0.000124 | 0.0000759 | 0.0595 | 0.00000523 | 0.000086 | 0.000274 | 0.00157 | 0.0000862 |
| 2043 Nov | 0.00000265 | 1.84 | 0.00152 | 2.3 | 0.0204 | 0.000415 | 1.41 | 0.00125 | 0.00266 | 0.0000342 | 0.000124 | 0.0000761 | 0.0597 | 0.00000524 | 0.0000863 | 0.000274 | 0.00158 | 0.0000865 |
| 2043 Dec | 0.00000265 | 1.84 | 0.00152 | 2.3 | 0.0204 | 0.000415 | 1.41 | 0.00125 | 0.00265 | 0.0000342 | 0.000124 | 0.0000761 | 0.0597 | 0.00000524 | 0.0000862 | 0.000274 | 0.00158 | 0.0000864 |
| 2044 Jan | 0.00000265 | 1.84 | 0.00152 | 2.3 | 0.0204 | 0.000415 | 1.41 | 0.00125 | 0.00265 | 0.0000342 | 0.000124 | 0.0000761 | 0.0597 | 0.00000524 | 0.0000862 | 0.000274 | 0.00158 | 0.0000864 |
| 2044 Feb | 0.00000265 | 1.84 | 0.00152 | 2.3 | 0.0204 | 0.000415 | 1.41 | 0.00125 | 0.00265 | 0.0000342 | 0.000124 | 0.0000761 | 0.0596 | 0.00000524 | 0.0000862 | 0.000274 | 0.00158 | 0.0000863 |
| 2044 Mar | 0.00000265 | 1.84 | 0.00152 | 2.3 | 0.0204 | 0.000415 | 1.41 | 0.00125 | 0.00265 | 0.0000342 | 0.000124 | 0.0000761 | 0.0596 | 0.00000524 | 0.0000862 | 0.000274 | 0.00158 | 0.0000863 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 0.00000265 | 1.84 | 0.00152 | 2.3 | 0.0204 | 0.000415 | 1.41 | 0.00125 | 0.00266 | 0.0000343 | 0.000124 | 0.0000761 | 0.0597 | 0.00000524 | 0.0000862 | 0.000274 | 0.00158 | 0.0000864 |
| 2044 May | 0.00000266 | 1.84 | 0.00152 | 2.3 | 0.0202 | 0.000411 | 1.41 | 0.00125 | 0.00265 | 0.0000343 | 0.000124 | 0.0000758 | 0.0594 | 0.00000527 | 0.0000857 | 0.000276 | 0.00159 | 0.0000856 |
| 2044 Jun | 0.00000259 | 1.89 | 0.00145 | 2.42 | 0.0187 | 0.000386 | 1.47 | 0.00129 | 0.0029 | 0.00003 | 0.000118 | 0.0000717 | 0.0595 | 0.00000514 | 0.0000803 | 0.000267 | 0.00154 | 0.0000717 |
| 2044 Jul | 0.00000266 | 2.08 | 0.00163 | 2.63 | 0.0219 | 0.000447 | 1.6 | 0.00142 | 0.00318 | 0.0000306 | 0.00013 | 0.00008 | 0.0667 | 0.00000526 | 0.0000915 | 0.000274 | 0.00158 | 0.0000813 |
| 2044 Aug | 0.00000269 | 1.97 | 0.00154 | 2.51 | 0.0203 | 0.000413 | 1.52 | 0.00136 | 0.00301 | 0.0000306 | 0.000124 | 0.0000759 | 0.0626 | 0.00000533 | 0.0000857 | 0.000277 | 0.0016 | 0.0000745 |
| 2044 Sep | 0.00000264 | 1.75 | 0.00139 | 2.23 | 0.0176 | 0.000359 | 1.36 | 0.00116 | 0.00263 | 0.0000296 | 0.000113 | 0.0000693 | 0.0553 | 0.00000524 | 0.0000759 | 0.000271 | 0.00157 | 0.0000629 |
| 2044 Oct | 0.00000262 | 1.77 | 0.00143 | 2.25 | 0.0184 | 0.000375 | 1.37 | 0.00117 | 0.00258 | 0.000106 | 0.00012 | 0.0000718 | 0.0569 | 0.0000052 | 0.0000787 | 0.000269 | 0.00167 | 0.0000644 |
| 2044 Nov | 0.00000263 | 1.86 | 0.00151 | 2.34 | 0.0198 | 0.000403 | 1.42 | 0.00123 | 0.00266 | 0.000141 | 0.000126 | 0.0000752 | 0.0601 | 0.00000521 | 0.0000837 | 0.00027 | 0.00172 | 0.0000688 |
| 2044 Dec | 0.00000263 | 1.86 | 0.00151 | 2.35 | 0.02 | 0.000406 | 1.42 | 0.00123 | 0.00267 | 0.00014 | 0.000127 | 0.0000755 | 0.0604 | 0.00000521 | 0.0000842 | 0.00027 | 0.00172 | 0.0000692 |
| 2045 Jan | 0.00000263 | 1.87 | 0.00151 | 2.35 | 0.02 | 0.000406 | 1.42 | 0.00123 | 0.00267 | 0.00014 | 0.000127 | 0.0000755 | 0.0604 | 0.00000521 | 0.0000842 | 0.00027 | 0.00172 | 0.0000692 |
| 2045 Feb | 0.00000263 | 1.87 | 0.00151 | 2.35 | 0.02 | 0.000406 | 1.42 | 0.00123 | 0.00267 | 0.00014 | 0.000127 | 0.0000755 | 0.0604 | 0.00000521 | 0.0000842 | 0.00027 | 0.00172 | 0.0000692 |
| 2045 Mar | 0.00000263 | 1.87 | 0.00151 | 2.35 | 0.02 | 0.000406 | 1.42 | 0.00123 | 0.00267 | 0.00014 | 0.000127 | 0.0000755 | 0.0604 | 0.00000521 | 0.0000842 | 0.00027 | 0.00172 | 0.0000692 |
| 2045 Apr | 0.00000263 | 1.87 | 0.00152 | 2.35 | 0.02 | 0.000406 | 1.42 | 0.00123 | 0.00267 | 0.00014 | 0.000127 | 0.0000756 | 0.0604 | 0.00000522 | 0.0000842 | 0.000271 | 0.00172 | 0.0000692 |
| 2045 May | 0.00000264 | 1.88 | 0.00152 | 2.36 | 0.0201 | 0.000408 | 1.43 | 0.00124 | 0.00269 | 0.00014 | 0.000127 | 0.0000759 | 0.0607 | 0.00000524 | 0.0000847 | 0.000272 | 0.00173 | 0.0000696 |
| 2045 Jun | 0.00000261 | 1.86 | 0.00142 | 2.39 | 0.0178 | 0.000367 | 1.45 | 0.00123 | 0.00287 | 0.000071 | 0.000116 | 0.0000699 | 0.0583 | 0.00000518 | 0.0000768 | 0.000267 | 0.00161 | 0.0000581 |
| 2045 Jul | 0.00000268 | 2.07 | 0.0016 | 2.63 | 0.021 | 0.00043 | 1.59 | 0.00137 | 0.00319 | 0.0000463 | 0.000128 | 0.0000784 | 0.0659 | 0.00000531 | 0.0000884 | 0.000275 | 0.00161 | 0.0000659 |
| 2045 Aug | 0.00000272 | 2.03 | 0.00157 | 2.59 | 0.0204 | 0.000417 | 1.57 | 0.00135 | 0.00313 | 0.000046 | 0.000126 | 0.000077 | 0.0644 | 0.00000541 | 0.0000862 | 0.000279 | 0.00164 | 0.0000636 |
| 2045 Sep | 0.00000271 | 1.89 | 0.00146 | 2.43 | 0.0184 | 0.000378 | 1.48 | 0.00125 | 0.00292 | 0.000044 | 0.000119 | 0.0000723 | 0.0596 | 0.00000539 | 0.0000793 | 0.000278 | 0.00164 | 0.0000572 |
| 2045 Oct | 0.00000271 | 1.86 | 0.00144 | 2.39 | 0.0179 | 0.000368 | 1.45 | 0.00122 | 0.00287 | 0.0000444 | 0.000117 | 0.0000712 | 0.0585 | 0.00000539 | 0.0000775 | 0.000277 | 0.00164 | 0.0000556 |
| 2045 Nov | 0.00000272 | 1.86 | 0.00144 | 2.39 | 0.0179 | 0.000368 | 1.45 | 0.00122 | 0.00287 | 0.0000451 | 0.000117 | 0.0000712 | 0.0584 | 0.0000054 | 0.0000774 | 0.000278 | 0.00164 | 0.0000555 |
| 2045 Dec | 0.00000272 | 1.86 | 0.00144 | 2.39 | 0.0179 | 0.000367 | 1.45 | 0.00122 | 0.00287 | 0.0000451 | 0.000117 | 0.0000712 | 0.0584 | 0.0000054 | 0.0000774 | 0.000278 | 0.00164 | 0.0000555 |
| 2046 Jan | 0.00000272 | 1.86 | 0.00144 | 2.39 | 0.0179 | 0.000367 | 1.45 | 0.00122 | 0.00287 | 0.0000451 | 0.000117 | 0.0000712 | 0.0584 | 0.0000054 | 0.0000774 | 0.000278 | 0.00164 | 0.0000554 |
| 2046 Feb | 0.00000272 | 1.86 | 0.00144 | 2.39 | 0.0179 | 0.000367 | 1.45 | 0.00122 | 0.00287 | 0.0000451 | 0.000117 | 0.0000712 | 0.0584 | 0.0000054 | 0.0000774 | 0.000278 | 0.00164 | 0.0000554 |
| 2046 Mar | 0.00000272 | 1.86 | 0.00144 | 2.39 | 0.0179 | 0.000367 | 1.45 | 0.00122 | 0.00287 | 0.0000451 | 0.000117 | 0.0000712 | 0.0584 | 0.0000054 | 0.0000774 | 0.000278 | 0.00164 | 0.0000554 |
| 2046 Apr | 0.00000272 | 1.86 | 0.00144 | 2.39 | 0.0179 | 0.000368 | 1.45 | 0.00122 | 0.00287 | 0.0000452 | 0.000117 | 0.0000713 | 0.0585 | 0.0000054 | 0.0000775 | 0.000278 | 0.00164 | 0.0000555 |
| 2046 May | 0.00000274 | 1.87 | 0.00145 | 2.41 | 0.018 | 0.00037 | 1.46 | 0.00123 | 0.00289 | 0.0000454 | 0.000118 | 0.0000717 | 0.0588 | 0.00000543 | 0.0000779 | 0.00028 | 0.00165 | 0.0000558 |
| 2046 Jun | 0.00000285 | 2.31 | 0.0019 | 2.89 | 0.0272 | 0.000614 | 1.72 | 0.00218 | 0.00359 | 0.000037 | 0.000155 | 0.0000942 | 0.0759 | 0.00000542 | 0.00012 | 0.000292 | 0.00163 | 0.000117 |
| 2046 Jul | 0.00000308 | 2.64 | 0.00231 | 3.26 | 0.0358 | 0.000858 | 1.89 | 0.00326 | 0.00412 | 0.0000361 | 0.000192 | 0.000116 | 0.0897 | 0.0000056 | 0.000161 | 0.000317 | 0.00167 | 0.00019 |
| 2046 Aug | 0.0000031 | 2.5 | 0.00219 | 3.09 | 0.0337 | 0.000811 | 1.8 | 0.00314 | 0.0039 | 0.0000358 | 0.000184 | 0.00011 | 0.0844 | 0.00000564 | 0.000153 | 0.000318 | 0.00169 | 0.000182 |
| 2046 Sep | 0.00000314 | 2.36 | 0.00211 | 2.93 | 0.0324 | 0.000813 | 1.69 | 0.00327 | 0.00373 | 0.0000358 | 0.000182 | 0.000107 | 0.0798 | 0.00000561 | 0.000153 | 0.00032 | 0.00167 | 0.000193 |
| 2046 Oct | 0.00000329 | 2.49 | 0.00225 | 3.09 | 0.0356 | 0.00093 | 1.75 | 0.00391 | 0.004 | 0.0000464 | 0.000199 | 0.000116 | 0.0847 | 0.0000057 | 0.000173 | 0.000335 | 0.00171 | 0.000235 |
| 2046 Nov | 0.00000332 | 2.53 | 0.0023 | 3.14 | 0.0366 | 0.000959 | 1.78 | 0.00405 | 0.00409 | 0.0000489 | 0.000204 | 0.000118 | 0.0864 | 0.00000573 | 0.000178 | 0.000338 | 0.00172 | 0.000244 |
| 2046 Dec | 0.00000332 | 2.54 | 0.00231 | 3.15 | 0.0367 | 0.000962 | 1.78 | 0.00406 | 0.0041 | 0.0000488 | 0.000204 | 0.000118 | 0.0866 | 0.00000573 | 0.000179 | 0.000339 | 0.00172 | 0.000245 |
| 2047 Jan | 0.00000332 | 2.54 | 0.00231 | 3.15 | 0.0367 | 0.000962 | 1.78 | 0.00406 | 0.0041 | 0.0000487 | 0.000204 | 0.000118 | 0.0866 | 0.00000573 | 0.000179 | 0.000339 | 0.00172 | 0.000245 |
| 2047 Feb | 0.00000332 | 2.54 | 0.00231 | 3.15 | 0.0367 | 0.000962 | 1.78 | 0.00406 | 0.0041 | 0.0000487 | 0.000204 | 0.000118 | 0.0866 | 0.00000573 | 0.000179 | 0.000339 | 0.00172 | 0.000245 |
| 2047 Mar | 0.00000333 | 2.54 | 0.00231 | 3.15 | 0.0367 | 0.000963 | 1.78 | 0.00407 | 0.0041 | 0.0000487 | 0.000204 | 0.000119 | 0.0866 | 0.00000573 | 0.000179 | 0.000339 | 0.00172 | 0.000245 |
| 2047 Apr | 0.00000333 | 2.54 | 0.00231 | 3.15 | 0.0367 | 0.000963 | 1.78 | 0.00407 | 0.0041 | 0.0000488 | 0.000205 | 0.000119 | 0.0866 | 0.00000573 | 0.000179 | 0.000339 | 0.00172 | 0.000245 |
| 2047 May | 0.00000333 | 2.47 | 0.00224 | 3.07 | 0.0354 | 0.00094 | 1.73 | 0.00407 | 0.004 | 0.0000466 | 0.0002 | 0.000115 | 0.0835 | 0.00000573 | 0.000175 | 0.000339 | 0.00172 | 0.000244 |
| 2047 Jun | 0.00000351 | 2.27 | 0.00204 | 2.92 | 0.0326 | 0.000965 | 1.59 | 0.00486 | 0.00405 | 0.0000388 | 0.000196 | 0.000106 | 0.0748 | 0.00000578 | 0.000177 | 0.000354 | 0.00172 | 0.000287 |
| 2047 Jul | 0.00000352 | 2.19 | 0.00195 | 2.84 | 0.0306 | 0.000909 | 1.55 | 0.00466 | 0.00394 | 0.0000386 | 0.000188 | 0.000102 | 0.0715 | 0.00000587 | 0.000168 | 0.000355 | 0.00175 | 0.000271 |
| 2047 Aug | 0.00000347 | 2.06 | 0.00183 | 2.68 | 0.0281 | 0.000831 | 1.47 | 0.0043 | 0.00369 | 0.0000378 | 0.000177 | 0.0000953 | 0.0666 | 0.00000587 | 0.000155 | 0.00035 | 0.00175 | 0.000247 |
| 2047 Sep | 0.00000345 | 1.99 | 0.0018 | 2.58 | 0.0275 | 0.000818 | 1.42 | 0.00418 | 0.00354 | 0.0000374 | 0.000174 | 0.0000942 | 0.0647 | 0.00000581 | 0.000153 | 0.000346 | 0.00173 | 0.000242 |
| 2047 Oct | 0.00000356 | 2.11 | 0.00194 | 2.73 | 0.0305 | 0.000915 | 1.48 | 0.00463 | 0.00377 | 0.0000593 | 0.00019 | 0.000102 | 0.0697 | 0.00000588 | 0.00017 | 0.000357 | 0.00178 | 0.000272 |
| 2047 Nov | 0.00000359 | 2.15 | 0.00198 | 2.77 | 0.0313 | 0.00094 | 1.5 | 0.00476 | 0.00383 | 0.0000661 | 0.000194 | 0.000104 | 0.0711 | 0.00000591 | 0.000174 | 0.00036 | 0.0018 | 0.00028 |
| 2047 Dec | 0.00000359 | 2.15 | 0.00198 | 2.78 | 0.0314 | 0.000942 | 1.5 | 0.00477 | 0.00384 | 0.0000659 | 0.000194 | 0.000104 | 0.0712 | 0.00000591 | 0.000175 | 0.00036 | 0.0018 | 0.000281 |
| 2048 Jan | 0.00000359 | 2.15 | 0.00198 | 2.78 | 0.0314 | 0.000943 | 1.5 | 0.00477 | 0.00384 | 0.0000658 | 0.000194 | 0.000104 | 0.0712 | 0.00000591 | 0.000175 | 0.000361 | 0.0018 | 0.000281 |
| 2048 Feb | 0.00000359 | 2.15 | 0.00198 | 2.78 | 0.0314 | 0.000943 | 1.5 | 0.00477 | 0.00384 | 0.0000658 | 0.000194 | 0.000104 | 0.0712 | 0.00000591 | 0.000175 | 0.000361 | 0.0018 | 0.000281 |
| 2048 Mar | 0.00000359 | 2.15 | 0.00198 | 2.78 | 0.0314 | 0.000943 | 1.5 | 0.00477 | 0.00384 | 0.0000658 | 0.000194 | 0.000104 | 0.0712 | 0.00000591 | 0.000175 | 0.000361 | 0.0018 | 0.000281 |
| 2048 Apr | 0.0000036 | 2.16 | 0.00199 | 2.78 | 0.0314 | 0.000944 | 1.51 | 0.00478 | 0.00385 | 0.0000658 | 0.000194 | 0.000104 | 0.0713 | 0.00000592 | 0.000175 | 0.000361 | 0.0018 | 0.000281 |
| 2048 May | 0.00000362 | 2.17 | 0.002 | 2.8 | 0.0316 | 0.000949 | 1.51 | 0.0048 | 0.00387 | 0.0000662 | 0.000196 | 0.000105 | 0.0717 | 0.00000595 | 0.000176 | 0.000363 | 0.00181 | 0.000283 |
| 2048 Jun | 0.00000362 | 2.09 | 0.00189 | 2.73 | 0.03 | 0.000945 | 1.46 | 0.00505 | 0.00396 | 0.000045 | 0.00019 | 0.0000994 | 0.0679 | 0.00000583 | 0.000176 | 0.000361 | 0.00174 | 0.000294 |
| 2048 Jul | 0.00000371 | 2.05 | 0.0019 | 2.69 | 0.0306 | 0.000983 | 1.42 | 0.0054 | 0.00397 | 0.0000398 | 0.000194 | 0.0000996 | 0.0666 | 0.00000589 | 0.000182 | 0.00037 | 0.00175 | 0.000315 |
| 2048 Aug | 0.00000371 | 1.99 | 0.00185 | 2.62 | 0.0296 | 0.000948 | 1.38 | 0.00523 | 0.00384 | 0.0000397 | 0.000189 | 0.0000972 | 0.0646 | 0.00000594 | 0.000176 | 0.00037 | 0.00177 | 0.000303 |
| 2048 Sep | 0.00000367 | 1.92 | 0.00179 | 2.54 | 0.0282 | 0.000901 | 1.35 | 0.00497 | 0.0037 | 0.0000391 | 0.000182 | 0.000094 | 0.0622 | 0.00000593 | 0.000168 | 0.000365 | 0.00177 | 0.000287 |
| 2048 Oct | 0.00000363 | 1.92 | 0.00177 | 2.52 | 0.0278 | 0.000893 | 1.33 | 0.00492 | 0.0036 | 0.00014 | 0.000185 | 0.0000931 | 0.0619 | 0.00000586 | 0.000167 | 0.000361 | 0.00189 | 0.000283 |
| 2048 Nov | 0.00000377 | 2.04 | 0.00191 | 2.67 | 0.0308 | 0.000993 | 1.4 | 0.00541 | 0.00386 | 0.000154 | 0.000201 | 0.0001 | 0.0668 | 0.00000595 | 0.000185 | 0.000374 | 0.00193 | 0.000315 |
| 2048 Dec | 0.00000379 | 2.07 | 0.00194 | 2.69 | 0.0313 | 0.00101 | 1.41 | 0.0055 | 0.00391 | 0.000148 | 0.000203 | 0.000102 | 0.0676 | 0.00000596 | 0.000189 | 0.000376 | 0.00192 | 0.000321 |
| 2049 Jan | 0.0000038 | 2.07 | 0.00194 | 2.7 | 0.0314 | 0.00101 | 1.41 | 0.00552 | 0.00392 | 0.000146 | 0.000204 | 0.000102 | 0.0677 | 0.00000597 | 0.000189 | 0.000376 | 0.00192 | 0.000322 |
| 2049 Feb | 0.0000038 | 2.07 | 0.00194 | 2.7 | 0.0314 | 0.00101 | 1.41 | 0.00552 | 0.00392 | 0.000146 | 0.000204 | 0.000102 | 0.0677 | 0.00000597 | 0.000189 | 0.000376 | 0.00192 | 0.000322 |
| 2049 Mar | 0.0000038 | 2.07 | 0.00194 | 2.7 | 0.0314 | 0.00101 | 1.41 | 0.00552 | 0.00392 | 0.000146 | 0.000204 | 0.000102 | 0.0677 | 0.00000597 | 0.000189 | 0.000377 | 0.00192 | 0.000322 |
| 2049 Apr | 0.0000038 | 2.07 | 0.00194 | 2.7 | 0.0314 | 0.00101 | 1.41 | 0.00552 | 0.00392 | 0.000146 | 0.000204 | 0.000102 | 0.0678 | 0.00000597 | 0.000189 | 0.000377 | 0.00192 | 0.000322 |
| 2049 May | 0.00000382 | 2.08 | 0.00195 | 2.71 | 0.0316 | 0.00102 | 1.42 | 0.00554 | 0.00394 | 0.000147 | 0.000205 | 0.000103 | 0.0681 | 0.00000601 | 0.00019 | 0.000379 | 0.00193 | 0.000323 |
| 2049 Jun | 0.00000374 | 2.02 | 0.00185 | 2.65 | 0.0295 | 0.000965 | 1.39 | 0.00532 | 0.00397 | 0.0000587 | 0.000192 | 0.0000966 | 0.065 | 0.00000587 | 0.000182 | 0.000369 | 0.00177 | 0.000305 |
| 2049 Jul | 0.00000379 | 1.98 | 0.00185 | 2.58 | 0.0299 | 0.000979 | 1.35 | 0.00541 | 0.00392 | 0.0000405 | 0.000193 | 0.0000967 | 0.0639 | 0.00000589 | 0.000186 | 0.000373 | 0.00175 | 0.000311 |
| 2049 Aug | 0.00000375 | 1.9 | 0.00178 | 2.48 | 0.0284 | 0.000926 | 1.3 | 0.00513 | 0.00373 | 0.00004 | 0.000185 | 0.0000929 | 0.061 | 0.00000591 | 0.000177 | 0.000369 | 0.00176 | 0.000293 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 0.00000372 | 1.85 | 0.00176 | 2.42 | 0.0278 | 0.000908 | 1.27 | 0.00496 | 0.00362 | 0.0000396 | 0.000182 | 0.0000922 | 0.0599 | 0.00000586 | 0.000174 | 0.000365 | 0.00175 | 0.000285 |
| 2049 Oct | 0.00000376 | 1.91 | 0.00181 | 2.48 | 0.0288 | 0.000943 | 1.3 | 0.00515 | 0.0037 | 0.0000884 | 0.00019 | 0.0000947 | 0.0619 | 0.00000588 | 0.000181 | 0.000369 | 0.00182 | 0.000296 |
| 2049 Nov | 0.00000382 | 1.96 | 0.00187 | 2.55 | 0.0301 | 0.000985 | 1.33 | 0.00537 | 0.00382 | 0.0000949 | 0.000196 | 0.0000977 | 0.064 | 0.00000593 | 0.000188 | 0.000375 | 0.00184 | 0.00031 |
| 2049 Dec | 0.00000383 | 1.97 | 0.00188 | 2.56 | 0.0302 | 0.000989 | 1.33 | 0.00539 | 0.00384 | 0.000094 | 0.000197 | 0.000098 | 0.0642 | 0.00000593 | 0.000189 | 0.000375 | 0.00184 | 0.000311 |
| 2050 Jan | 0.00000383 | 1.97 | 0.00188 | 2.56 | 0.0302 | 0.000989 | 1.33 | 0.00539 | 0.00384 | 0.0000938 | 0.000197 | 0.0000981 | 0.0642 | 0.00000593 | 0.000189 | 0.000375 | 0.00184 | 0.000312 |
| 2050 Feb | 0.00000383 | 1.97 | 0.00188 | 2.56 | 0.0302 | 0.000989 | 1.33 | 0.00539 | 0.00384 | 0.0000937 | 0.000197 | 0.000098 | 0.0642 | 0.00000593 | 0.000189 | 0.000375 | 0.00184 | 0.000312 |
| 2050 Mar | 0.00000383 | 1.97 | 0.00188 | 2.56 | 0.0302 | 0.000989 | 1.33 | 0.00539 | 0.00384 | 0.0000937 | 0.000197 | 0.000098 | 0.0642 | 0.00000593 | 0.000189 | 0.000375 | 0.00184 | 0.000312 |
| 2050 Apr | 0.00000383 | 1.97 | 0.00188 | 2.56 | 0.0302 | 0.00099 | 1.34 | 0.0054 | 0.00384 | 0.0000937 | 0.000197 | 0.0000981 | 0.0642 | 0.00000593 | 0.000189 | 0.000376 | 0.00184 | 0.000312 |
| 2050 May | 0.00000385 | 1.98 | 0.00189 | 2.57 | 0.0303 | 0.000993 | 1.34 | 0.00542 | 0.00386 | 0.0000941 | 0.000198 | 0.0000985 | 0.0645 | 0.00000596 | 0.00019 | 0.000377 | 0.00185 | 0.000313 |
| 2050 Jun | 0.00000371 | 1.94 | 0.00178 | 2.54 | 0.028 | 0.000914 | 1.34 | 0.00507 | 0.00384 | 0.0000563 | 0.000184 | 0.000092 | 0.0621 | 0.00000584 | 0.000175 | 0.000364 | 0.00176 | 0.000286 |
| 2050 Jul | 0.00000372 | 1.94 | 0.00181 | 2.55 | 0.0288 | 0.00093 | 1.34 | 0.00518 | 0.00389 | 0.0000402 | 0.000184 | 0.0000929 | 0.0627 | 0.00000587 | 0.000177 | 0.000367 | 0.00175 | 0.000292 |
| 2050 Aug | 0.00000374 | 1.91 | 0.0018 | 2.51 | 0.0285 | 0.000916 | 1.32 | 0.0051 | 0.00381 | 0.0000403 | 0.000183 | 0.0000922 | 0.0619 | 0.00000593 | 0.000175 | 0.000369 | 0.00177 | 0.000286 |
| 2050 Sep | 0.00000367 | 1.83 | 0.00173 | 2.4 | 0.0269 | 0.000863 | 1.27 | 0.00477 | 0.0036 | 0.0000394 | 0.000175 | 0.0000887 | 0.059 | 0.00000587 | 0.000166 | 0.000361 | 0.00175 | 0.000268 |
| 2050 Oct | 0.00000374 | 1.89 | 0.00179 | 2.46 | 0.0282 | 0.000906 | 1.3 | 0.00497 | 0.00372 | 0.000041 | 0.000182 | 0.0000921 | 0.0612 | 0.00000593 | 0.000174 | 0.000367 | 0.00177 | 0.000281 |
| 2050 Nov | 0.00000374 | 1.89 | 0.00179 | 2.47 | 0.0282 | 0.000908 | 1.3 | 0.00499 | 0.00373 | 0.0000418 | 0.000183 | 0.0000923 | 0.0613 | 0.00000594 | 0.000174 | 0.000368 | 0.00177 | 0.000282 |
| 2050 Dec | 0.00000374 | 1.89 | 0.00179 | 2.46 | 0.0282 | 0.000908 | 1.3 | 0.00498 | 0.00372 | 0.0000418 | 0.000182 | 0.0000923 | 0.0613 | 0.00000594 | 0.000174 | 0.000368 | 0.00177 | 0.000281 |
| 2051 Jan | 0.00000374 | 1.89 | 0.00179 | 2.46 | 0.0282 | 0.000907 | 1.3 | 0.00498 | 0.00372 | 0.0000418 | 0.000182 | 0.0000922 | 0.0612 | 0.00000594 | 0.000174 | 0.000368 | 0.00177 | 0.000281 |
| 2051 Feb | 0.00000374 | 1.89 | 0.00179 | 2.46 | 0.0282 | 0.000907 | 1.3 | 0.00498 | 0.00372 | 0.0000418 | 0.000182 | 0.0000922 | 0.0612 | 0.00000594 | 0.000174 | 0.000368 | 0.00177 | 0.000281 |
| 2051 Mar | 0.00000374 | 1.89 | 0.00179 | 2.46 | 0.0282 | 0.000907 | 1.3 | 0.00498 | 0.00372 | 0.0000418 | 0.000182 | 0.0000922 | 0.0612 | 0.00000594 | 0.000174 | 0.000368 | 0.00177 | 0.000281 |
| 2051 Apr | 0.00000375 | 1.89 | 0.00179 | 2.47 | 0.0282 | 0.000908 | 1.3 | 0.00498 | 0.00373 | 0.0000418 | 0.000183 | 0.0000923 | 0.0613 | 0.00000594 | 0.000174 | 0.000368 | 0.00177 | 0.000281 |
| 2051 May | 0.00000373 | 1.87 | 0.00176 | 2.44 | 0.0275 | 0.000885 | 1.3 | 0.00487 | 0.00366 | 0.0000415 | 0.000179 | 0.0000907 | 0.0602 | 0.00000594 | 0.00017 | 0.000366 | 0.00177 | 0.000274 |
| 2051 Jun | 0.00000376 | 1.97 | 0.00181 | 2.56 | 0.0285 | 0.000924 | 1.36 | 0.00506 | 0.00393 | 0.0000398 | 0.000185 | 0.0000922 | 0.0631 | 0.00000585 | 0.00018 | 0.000366 | 0.00175 | 0.00028 |
| 2051 Jul | 0.00000382 | 1.98 | 0.00183 | 2.56 | 0.0288 | 0.000933 | 1.36 | 0.00511 | 0.00397 | 0.0000402 | 0.000187 | 0.0000928 | 0.0633 | 0.00000594 | 0.000183 | 0.000372 | 0.00177 | 0.000283 |
| 2051 Aug | 0.00000371 | 1.83 | 0.00171 | 2.38 | 0.0263 | 0.000846 | 1.27 | 0.00463 | 0.00362 | 0.0000389 | 0.000174 | 0.0000865 | 0.0584 | 0.00000588 | 0.000168 | 0.000361 | 0.00176 | 0.000254 |
| 2051 Sep | 0.00000372 | 1.83 | 0.00172 | 2.36 | 0.0265 | 0.000852 | 1.26 | 0.0046 | 0.00358 | 0.000039 | 0.000175 | 0.0000876 | 0.0586 | 0.00000589 | 0.000169 | 0.000362 | 0.00176 | 0.000254 |
| 2051 Oct | 0.00000373 | 1.86 | 0.00175 | 2.4 | 0.0272 | 0.000871 | 1.28 | 0.0047 | 0.00361 | 0.000105 | 0.000181 | 0.0000891 | 0.06 | 0.00000587 | 0.000172 | 0.000362 | 0.00184 | 0.00026 |
| 2051 Nov | 0.00000382 | 1.96 | 0.00186 | 2.52 | 0.0295 | 0.000943 | 1.33 | 0.00508 | 0.00383 | 0.00012 | 0.000192 | 0.0000942 | 0.0638 | 0.00000594 | 0.000185 | 0.000371 | 0.00188 | 0.000282 |
| 2051 Dec | 0.00000384 | 1.97 | 0.00188 | 2.53 | 0.0298 | 0.000953 | 1.34 | 0.00512 | 0.00386 | 0.000117 | 0.000194 | 0.0000949 | 0.0642 | 0.00000595 | 0.000187 | 0.000373 | 0.00188 | 0.000285 |
| 2052 Jan | 0.00000384 | 1.97 | 0.00188 | 2.53 | 0.0298 | 0.000954 | 1.34 | 0.00513 | 0.00386 | 0.000117 | 0.000194 | 0.000095 | 0.0643 | 0.00000595 | 0.000187 | 0.000373 | 0.00188 | 0.000285 |
| 2052 Feb | 0.00000384 | 1.97 | 0.00188 | 2.53 | 0.0298 | 0.000954 | 1.34 | 0.00513 | 0.00386 | 0.000117 | 0.000194 | 0.000095 | 0.0643 | 0.00000595 | 0.000187 | 0.000373 | 0.00188 | 0.000285 |
| 2052 Mar | 0.00000384 | 1.97 | 0.00188 | 2.53 | 0.0298 | 0.000954 | 1.34 | 0.00513 | 0.00386 | 0.000117 | 0.000194 | 0.000095 | 0.0643 | 0.00000595 | 0.000187 | 0.000373 | 0.00188 | 0.000285 |
| 2052 Apr | 0.00000384 | 1.98 | 0.00188 | 2.53 | 0.0298 | 0.000954 | 1.34 | 0.00513 | 0.00386 | 0.000117 | 0.000194 | 0.0000951 | 0.0643 | 0.00000595 | 0.000187 | 0.000373 | 0.00188 | 0.000286 |
| 2052 May | 0.00000379 | 1.92 | 0.00182 | 2.48 | 0.0284 | 0.00091 | 1.32 | 0.00492 | 0.00373 | 0.00011 | 0.000187 | 0.0000919 | 0.0622 | 0.00000593 | 0.000179 | 0.000368 | 0.00187 | 0.000272 |
| 2052 Jun | 0.00000368 | 1.93 | 0.00177 | 2.51 | 0.0273 | 0.000868 | 1.35 | 0.00476 | 0.00386 | 0.0000459 | 0.000177 | 0.0000883 | 0.0618 | 0.00000583 | 0.000171 | 0.000359 | 0.00175 | 0.000258 |
| 2052 Jul | 0.00000375 | 1.97 | 0.00181 | 2.57 | 0.0281 | 0.000889 | 1.37 | 0.00488 | 0.00397 | 0.000041 | 0.00018 | 0.0000903 | 0.0634 | 0.00000595 | 0.000174 | 0.000366 | 0.00178 | 0.000264 |
| 2052 Aug | 0.00000368 | 1.87 | 0.00172 | 2.44 | 0.0261 | 0.000822 | 1.31 | 0.00453 | 0.00373 | 0.00004 | 0.000171 | 0.0000855 | 0.0597 | 0.00000593 | 0.000162 | 0.00036 | 0.00177 | 0.000243 |
| 2052 Sep | 0.00000367 | 1.84 | 0.00171 | 2.38 | 0.0259 | 0.000815 | 1.29 | 0.00443 | 0.00363 | 0.0000397 | 0.00017 | 0.0000854 | 0.0589 | 0.00000592 | 0.000161 | 0.000359 | 0.00177 | 0.000239 |
| 2052 Oct | 0.0000037 | 1.87 | 0.00175 | 2.41 | 0.0267 | 0.000837 | 1.3 | 0.00452 | 0.00367 | 0.0000522 | 0.000174 | 0.0000873 | 0.0601 | 0.00000594 | 0.000166 | 0.000361 | 0.00179 | 0.000245 |
| 2052 Nov | 0.00000373 | 1.89 | 0.00177 | 2.43 | 0.0271 | 0.000851 | 1.31 | 0.00459 | 0.00371 | 0.0000543 | 0.000176 | 0.0000884 | 0.0608 | 0.00000595 | 0.000168 | 0.000363 | 0.0018 | 0.000249 |
| 2052 Dec | 0.00000373 | 1.89 | 0.00177 | 2.44 | 0.0271 | 0.000852 | 1.31 | 0.00459 | 0.00371 | 0.0000543 | 0.000176 | 0.0000884 | 0.0608 | 0.00000596 | 0.000168 | 0.000363 | 0.0018 | 0.000249 |
| 2053 Jan | 0.00000373 | 1.89 | 0.00177 | 2.44 | 0.0271 | 0.000852 | 1.31 | 0.00459 | 0.00371 | 0.0000542 | 0.000176 | 0.0000884 | 0.0608 | 0.00000596 | 0.000168 | 0.000363 | 0.0018 | 0.000249 |
| 2053 Feb | 0.00000373 | 1.89 | 0.00177 | 2.44 | 0.0271 | 0.000852 | 1.31 | 0.00459 | 0.00371 | 0.0000542 | 0.000176 | 0.0000885 | 0.0608 | 0.00000596 | 0.000169 | 0.000364 | 0.0018 | 0.000249 |
| 2053 Mar | 0.00000373 | 1.89 | 0.00177 | 2.44 | 0.0271 | 0.000852 | 1.31 | 0.0046 | 0.00372 | 0.0000542 | 0.000176 | 0.0000885 | 0.0609 | 0.00000596 | 0.000169 | 0.000364 | 0.0018 | 0.000249 |
| 2053 Apr | 0.00000373 | 1.89 | 0.00177 | 2.44 | 0.0272 | 0.000853 | 1.31 | 0.0046 | 0.00372 | 0.0000543 | 0.000177 | 0.0000886 | 0.0609 | 0.00000597 | 0.000169 | 0.000364 | 0.0018 | 0.000249 |
| 2053 May | 0.00000367 | 1.83 | 0.00169 | 2.37 | 0.0254 | 0.000801 | 1.29 | 0.00434 | 0.00352 | 0.0000496 | 0.000169 | 0.0000846 | 0.0581 | 0.00000592 | 0.00016 | 0.000358 | 0.00178 | 0.000232 |
| 2053 Jun | 0.00000376 | 1.98 | 0.00182 | 2.54 | 0.0283 | 0.000892 | 1.37 | 0.00478 | 0.00396 | 0.0000402 | 0.000182 | 0.0000902 | 0.0636 | 0.00000588 | 0.000179 | 0.000364 | 0.00176 | 0.000255 |
| 2053 Jul | 0.00000382 | 2.02 | 0.00186 | 2.59 | 0.0289 | 0.000907 | 1.39 | 0.00489 | 0.00406 | 0.0000407 | 0.000184 | 0.0000916 | 0.0648 | 0.00000599 | 0.000181 | 0.00037 | 0.00179 | 0.000262 |
| 2053 Aug | 0.00000372 | 1.87 | 0.00172 | 2.42 | 0.026 | 0.000813 | 1.31 | 0.00442 | 0.00373 | 0.0000394 | 0.00017 | 0.0000848 | 0.0597 | 0.00000597 | 0.000163 | 0.000361 | 0.00178 | 0.000233 |
| 2053 Sep | 0.00000368 | 1.82 | 0.00167 | 2.35 | 0.025 | 0.00078 | 1.28 | 0.00422 | 0.00359 | 0.0000389 | 0.000166 | 0.0000827 | 0.0577 | 0.00000595 | 0.000158 | 0.000358 | 0.00178 | 0.000222 |
| 2053 Oct | 0.00000369 | 1.82 | 0.00168 | 2.35 | 0.0251 | 0.000784 | 1.28 | 0.00422 | 0.00357 | 0.0000562 | 0.000167 | 0.0000833 | 0.058 | 0.00000595 | 0.000159 | 0.000358 | 0.0018 | 0.000223 |
| 2053 Nov | 0.00000371 | 1.84 | 0.00171 | 2.38 | 0.0256 | 0.000799 | 1.29 | 0.00429 | 0.0036 | 0.0000758 | 0.00017 | 0.0000844 | 0.0588 | 0.00000596 | 0.000162 | 0.00036 | 0.00183 | 0.000226 |
| 2053 Dec | 0.00000372 | 1.86 | 0.00172 | 2.39 | 0.0259 | 0.000808 | 1.29 | 0.00433 | 0.00363 | 0.0000749 | 0.000172 | 0.0000851 | 0.0593 | 0.00000597 | 0.000163 | 0.000361 | 0.00183 | 0.000229 |
| 2054 Jan | 0.00000372 | 1.86 | 0.00172 | 2.39 | 0.026 | 0.00081 | 1.3 | 0.00434 | 0.00364 | 0.0000747 | 0.000172 | 0.0000853 | 0.0594 | 0.00000597 | 0.000164 | 0.000361 | 0.00183 | 0.000229 |
| 2054 Feb | 0.00000373 | 1.86 | 0.00172 | 2.39 | 0.026 | 0.000811 | 1.3 | 0.00435 | 0.00364 | 0.0000746 | 0.000172 | 0.0000854 | 0.0595 | 0.00000597 | 0.000164 | 0.000361 | 0.00183 | 0.00023 |
| 2054 Mar | 0.00000373 | 1.86 | 0.00173 | 2.4 | 0.026 | 0.000812 | 1.3 | 0.00435 | 0.00364 | 0.0000745 | 0.000172 | 0.0000854 | 0.0595 | 0.00000597 | 0.000164 | 0.000361 | 0.00183 | 0.00023 |
| 2054 Apr | 0.00000373 | 1.86 | 0.00173 | 2.4 | 0.0261 | 0.000813 | 1.3 | 0.00436 | 0.00365 | 0.0000745 | 0.000173 | 0.0000855 | 0.0596 | 0.00000598 | 0.000164 | 0.000362 | 0.00184 | 0.00023 |
| 2054 May | 0.00000371 | 1.84 | 0.0017 | 2.38 | 0.0254 | 0.000793 | 1.29 | 0.00427 | 0.00359 | 0.0000729 | 0.00017 | 0.0000841 | 0.0586 | 0.00000598 | 0.000161 | 0.00036 | 0.00183 | 0.000224 |
| 2054 Jun | 0.00000371 | 1.98 | 0.00182 | 2.54 | 0.028 | 0.000866 | 1.38 | 0.00463 | 0.00395 | 0.0000406 | 0.000177 | 0.0000888 | 0.0638 | 0.00000587 | 0.000173 | 0.000359 | 0.00175 | 0.000243 |
| 2054 Jul | 0.00000366 | 1.9 | 0.0018 | 2.44 | 0.0278 | 0.000847 | 1.32 | 0.00457 | 0.00381 | 0.0000394 | 0.000173 | 0.0000869 | 0.0618 | 0.00000583 | 0.000169 | 0.000356 | 0.00174 | 0.00024 |
| 2054 Aug | 0.00000362 | 1.82 | 0.00174 | 2.32 | 0.0267 | 0.000816 | 1.26 | 0.00435 | 0.00361 | 0.0000388 | 0.000168 | 0.0000842 | 0.0592 | 0.00000578 | 0.000164 | 0.000351 | 0.00173 | 0.000229 |
| 2054 Sep | 0.00000367 | 1.86 | 0.0018 | 2.36 | 0.0278 | 0.000849 | 1.27 | 0.00448 | 0.0037 | 0.0000393 | 0.000173 | 0.000087 | 0.061 | 0.00000581 | 0.000171 | 0.000355 | 0.00174 | 0.000239 |
| 2054 Oct | 0.00000361 | 1.85 | 0.00176 | 2.36 | 0.027 | 0.000826 | 1.27 | 0.00442 | 0.00364 | 0.000144 | 0.000174 | 0.0000849 | 0.0604 | 0.00000575 | 0.000166 | 0.000351 | 0.00186 | 0.000233 |
| 2054 Nov | 0.00000369 | 1.95 | 0.00187 | 2.47 | 0.0292 | 0.000891 | 1.32 | 0.00476 | 0.00386 | 0.000149 | 0.000184 | 0.0000894 | 0.0641 | 0.00000581 | 0.000178 | 0.000358 | 0.00189 | 0.000252 |
| 2054 Dec | 0.00000371 | 1.96 | 0.00189 | 2.49 | 0.0296 | 0.000902 | 1.33 | 0.00481 | 0.0039 | 0.000143 | 0.000185 | 0.0000901 | 0.0646 | 0.00000582 | 0.00018 | 0.00036 | 0.00188 | 0.000255 |
| 2055 Jan | 0.00000371 | 1.96 | 0.00189 | 2.49 | 0.0296 | 0.000903 | 1.33 | 0.00482 | 0.0039 | 0.000142 | 0.000185 | 0.0000902 | 0.0647 | 0.00000582 | 0.00018 | 0.00036 | 0.00188 | 0.000256 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 0.00000371 | 1.96 | 0.00189 | 2.49 | 0.0296 | 0.000903 | 1.33 | 0.00482 | 0.0039 | 0.000142 | 0.000185 | 0.0000902 | 0.0647 | 0.00000582 | 0.00018 | 0.00036 | 0.00188 | 0.000256 |
| 2055 Mar | 0.00000371 | 1.96 | 0.00189 | 2.49 | 0.0296 | 0.000903 | 1.33 | 0.00482 | 0.0039 | 0.000142 | 0.000185 | 0.0000902 | 0.0647 | 0.00000582 | 0.00018 | 0.00036 | 0.00188 | 0.000256 |
| 2055 Apr | 0.00000371 | 1.96 | 0.00189 | 2.49 | 0.0296 | 0.000903 | 1.33 | 0.00482 | 0.00391 | 0.000142 | 0.000185 | 0.0000903 | 0.0647 | 0.00000582 | 0.00018 | 0.00036 | 0.00188 | 0.000256 |
| 2055 May | 0.00000373 | 1.97 | 0.0019 | 2.5 | 0.0298 | 0.000907 | 1.34 | 0.00484 | 0.00392 | 0.000142 | 0.000186 | 0.0000907 | 0.065 | 0.00000585 | 0.000181 | 0.000362 | 0.00189 | 0.000257 |
| 2055 Jun | 0.00000361 | 1.91 | 0.00176 | 2.44 | 0.0268 | 0.000818 | 1.33 | 0.0044 | 0.00387 | 0.0000614 | 0.000169 | 0.0000838 | 0.0615 | 0.00000574 | 0.000165 | 0.000349 | 0.00175 | 0.000227 |
| 2055 Jul | 0.00000363 | 1.88 | 0.00176 | 2.41 | 0.0267 | 0.000809 | 1.31 | 0.00436 | 0.00383 | 0.0000399 | 0.000167 | 0.0000832 | 0.0607 | 0.00000579 | 0.000165 | 0.000351 | 0.00173 | 0.000223 |
| 2055 Aug | 0.00000359 | 1.79 | 0.00169 | 2.28 | 0.0255 | 0.000765 | 1.25 | 0.00411 | 0.00358 | 0.0000392 | 0.000161 | 0.0000802 | 0.0576 | 0.00000577 | 0.000157 | 0.000347 | 0.00173 | 0.000209 |
| 2055 Sep | 0.00000359 | 1.79 | 0.00171 | 2.27 | 0.0259 | 0.00078 | 1.24 | 0.0041 | 0.00356 | 0.0000392 | 0.000163 | 0.0000817 | 0.0582 | 0.00000575 | 0.00016 | 0.000347 | 0.00172 | 0.000211 |
| 2055 Oct | 0.00000366 | 1.86 | 0.0018 | 2.35 | 0.0275 | 0.000828 | 1.27 | 0.00432 | 0.00372 | 0.0000432 | 0.000171 | 0.0000857 | 0.061 | 0.00000579 | 0.000169 | 0.000353 | 0.00174 | 0.000225 |
| 2055 Nov | 0.00000367 | 1.88 | 0.00182 | 2.36 | 0.0279 | 0.00084 | 1.28 | 0.00438 | 0.00377 | 0.0000448 | 0.000173 | 0.0000864 | 0.0616 | 0.00000581 | 0.000171 | 0.000354 | 0.00174 | 0.000228 |
| 2055 Dec | 0.00000369 | 1.89 | 0.00183 | 2.37 | 0.0281 | 0.000847 | 1.29 | 0.00441 | 0.0038 | 0.0000445 | 0.000174 | 0.0000869 | 0.0619 | 0.00000581 | 0.000173 | 0.000355 | 0.00175 | 0.00023 |
| 2056 Jan | 0.00000369 | 1.89 | 0.00183 | 2.38 | 0.0282 | 0.00085 | 1.29 | 0.00442 | 0.00381 | 0.0000445 | 0.000174 | 0.000087 | 0.062 | 0.00000582 | 0.000173 | 0.000356 | 0.00175 | 0.000231 |
| 2056 Feb | 0.00000369 | 1.89 | 0.00183 | 2.38 | 0.0282 | 0.00085 | 1.29 | 0.00443 | 0.00381 | 0.0000445 | 0.000174 | 0.0000871 | 0.062 | 0.00000582 | 0.000173 | 0.000356 | 0.00175 | 0.000231 |
| 2056 Mar | 0.00000369 | 1.89 | 0.00183 | 2.38 | 0.0282 | 0.000851 | 1.29 | 0.00443 | 0.00381 | 0.0000445 | 0.000174 | 0.0000871 | 0.0621 | 0.00000582 | 0.000174 | 0.000356 | 0.00175 | 0.000231 |
| 2056 Apr | 0.00000369 | 1.89 | 0.00183 | 2.38 | 0.0282 | 0.000851 | 1.29 | 0.00443 | 0.00382 | 0.0000445 | 0.000174 | 0.0000871 | 0.0621 | 0.00000582 | 0.000174 | 0.000356 | 0.00175 | 0.000231 |
| 2056 May | 0.00000365 | 1.85 | 0.00177 | 2.34 | 0.0269 | 0.000811 | 1.28 | 0.00425 | 0.00368 | 0.000043 | 0.000169 | 0.0000842 | 0.0601 | 0.00000581 | 0.000167 | 0.000352 | 0.00174 | 0.000219 |
| 2056 Jun | 0.00000361 | 1.91 | 0.00178 | 2.42 | 0.0271 | 0.000813 | 1.32 | 0.00431 | 0.00387 | 0.0000393 | 0.000167 | 0.0000831 | 0.0618 | 0.00000572 | 0.000167 | 0.000347 | 0.00171 | 0.000217 |
| 2056 Jul | 0.00000362 | 1.9 | 0.00176 | 2.42 | 0.0266 | 0.000793 | 1.33 | 0.00424 | 0.00388 | 0.0000393 | 0.000165 | 0.0000821 | 0.0613 | 0.00000579 | 0.000163 | 0.000349 | 0.00173 | 0.000212 |
| 2056 Aug | 0.00000361 | 1.84 | 0.0017 | 2.35 | 0.0253 | 0.000751 | 1.3 | 0.00405 | 0.00373 | 0.000039 | 0.00016 | 0.0000794 | 0.059 | 0.00000584 | 0.000155 | 0.000349 | 0.00175 | 0.0002 |
| 2056 Sep | 0.00000354 | 1.76 | 0.00162 | 2.26 | 0.0236 | 0.0007 | 1.25 | 0.00377 | 0.00353 | 0.0000382 | 0.000152 | 0.0000762 | 0.056 | 0.00000582 | 0.000146 | 0.000343 | 0.00174 | 0.000186 |
| 2056 Oct | 0.00000355 | 1.78 | 0.00166 | 2.27 | 0.0243 | 0.000722 | 1.25 | 0.00382 | 0.00349 | 0.000126 | 0.00016 | 0.0000779 | 0.0572 | 0.00000576 | 0.00015 | 0.000342 | 0.00185 | 0.000189 |
| 2056 Nov | 0.00000365 | 1.88 | 0.00177 | 2.38 | 0.0267 | 0.000791 | 1.3 | 0.00414 | 0.0037 | 0.000128 | 0.00017 | 0.000083 | 0.0611 | 0.00000583 | 0.000164 | 0.000351 | 0.00187 | 0.000207 |
| 2056 Dec | 0.00000366 | 1.89 | 0.00179 | 2.39 | 0.0269 | 0.000799 | 1.3 | 0.00417 | 0.00373 | 0.000125 | 0.000171 | 0.0000835 | 0.0615 | 0.00000584 | 0.000166 | 0.000352 | 0.00187 | 0.000208 |
| 2057 Jan | 0.00000366 | 1.89 | 0.00179 | 2.39 | 0.027 | 0.000799 | 1.3 | 0.00417 | 0.00373 | 0.000125 | 0.000171 | 0.0000836 | 0.0615 | 0.00000584 | 0.000166 | 0.000352 | 0.00187 | 0.000209 |
| 2057 Feb | 0.00000366 | 1.89 | 0.00179 | 2.39 | 0.027 | 0.000799 | 1.3 | 0.00417 | 0.00373 | 0.000125 | 0.000171 | 0.0000836 | 0.0615 | 0.00000584 | 0.000166 | 0.000352 | 0.00187 | 0.000209 |
| 2057 Mar | 0.00000366 | 1.89 | 0.00179 | 2.39 | 0.027 | 0.000799 | 1.3 | 0.00417 | 0.00373 | 0.000125 | 0.000171 | 0.0000836 | 0.0615 | 0.00000584 | 0.000166 | 0.000352 | 0.00187 | 0.000209 |
| 2057 Apr | 0.00000366 | 1.89 | 0.00179 | 2.39 | 0.027 | 0.0008 | 1.31 | 0.00418 | 0.00374 | 0.000125 | 0.000171 | 0.0000836 | 0.0616 | 0.00000584 | 0.000166 | 0.000352 | 0.00187 | 0.000209 |
| 2057 May | 0.00000358 | 1.81 | 0.00169 | 2.31 | 0.0249 | 0.00074 | 1.27 | 0.00391 | 0.00352 | 0.000101 | 0.000162 | 0.0000792 | 0.0582 | 0.00000579 | 0.000155 | 0.000345 | 0.00182 | 0.000192 |
| 2057 Jun | 0.00000362 | 1.93 | 0.00181 | 2.44 | 0.0272 | 0.000802 | 1.35 | 0.0042 | 0.00388 | 0.000041 | 0.000167 | 0.0000833 | 0.0626 | 0.00000578 | 0.000166 | 0.000348 | 0.00173 | 0.000207 |
| 2057 Jul | 0.0000036 | 1.88 | 0.00175 | 2.38 | 0.0261 | 0.000763 | 1.31 | 0.00403 | 0.00377 | 0.00004 | 0.000162 | 0.0000807 | 0.0605 | 0.00000582 | 0.000159 | 0.000347 | 0.00174 | 0.000196 |
| 2057 Aug | 0.00000357 | 1.79 | 0.00167 | 2.28 | 0.0245 | 0.000712 | 1.27 | 0.00378 | 0.00356 | 0.0000393 | 0.000155 | 0.0000772 | 0.0574 | 0.00000585 | 0.000149 | 0.000345 | 0.00175 | 0.000182 |
| 2057 Sep | 0.00000352 | 1.73 | 0.00163 | 2.21 | 0.0237 | 0.000689 | 1.23 | 0.00359 | 0.00342 | 0.0000386 | 0.000151 | 0.0000764 | 0.0558 | 0.00000578 | 0.000145 | 0.000339 | 0.00173 | 0.000174 |
| 2057 Oct | 0.00000361 | 1.86 | 0.00177 | 2.33 | 0.0265 | 0.000769 | 1.29 | 0.00395 | 0.00366 | 0.0000792 | 0.000165 | 0.0000825 | 0.0608 | 0.00000582 | 0.00016 | 0.000347 | 0.0018 | 0.000194 |
| 2057 Nov | 0.00000366 | 1.92 | 0.00184 | 2.4 | 0.0278 | 0.000807 | 1.32 | 0.00413 | 0.00379 | 0.0000825 | 0.000171 | 0.0000852 | 0.063 | 0.00000586 | 0.000168 | 0.000352 | 0.00181 | 0.000204 |
| 2057 Dec | 0.00000366 | 1.92 | 0.00184 | 2.4 | 0.0279 | 0.00081 | 1.32 | 0.00414 | 0.0038 | 0.0000818 | 0.000171 | 0.0000854 | 0.0632 | 0.00000586 | 0.000168 | 0.000352 | 0.00181 | 0.000205 |
| 2058 Jan | 0.00000367 | 1.92 | 0.00184 | 2.4 | 0.0279 | 0.00081 | 1.32 | 0.00414 | 0.0038 | 0.0000817 | 0.000171 | 0.0000854 | 0.0632 | 0.00000586 | 0.000168 | 0.000352 | 0.00181 | 0.000205 |
| 2058 Feb | 0.00000367 | 1.92 | 0.00184 | 2.4 | 0.0279 | 0.00081 | 1.32 | 0.00414 | 0.0038 | 0.0000816 | 0.000171 | 0.0000854 | 0.0632 | 0.00000586 | 0.000168 | 0.000352 | 0.00181 | 0.000205 |
| 2058 Mar | 0.00000367 | 1.92 | 0.00184 | 2.4 | 0.0279 | 0.00081 | 1.32 | 0.00414 | 0.0038 | 0.0000816 | 0.000171 | 0.0000854 | 0.0632 | 0.00000586 | 0.000168 | 0.000352 | 0.00181 | 0.000205 |
| 2058 Apr | 0.00000367 | 1.92 | 0.00184 | 2.41 | 0.0279 | 0.000811 | 1.32 | 0.00415 | 0.0038 | 0.0000816 | 0.000171 | 0.0000854 | 0.0632 | 0.00000586 | 0.000168 | 0.000352 | 0.00181 | 0.000205 |
| 2058 May | 0.00000363 | 1.88 | 0.00179 | 2.36 | 0.0267 | 0.000776 | 1.31 | 0.004 | 0.00368 | 0.0000728 | 0.000166 | 0.0000827 | 0.0612 | 0.00000584 | 0.000162 | 0.000349 | 0.0018 | 0.000195 |
| 2058 Jun | 0.00000372 | 1.95 | 0.00181 | 2.43 | 0.0273 | 0.000809 | 1.34 | 0.00411 | 0.00392 | 0.0000401 | 0.00017 | 0.0000833 | 0.0628 | 0.00000581 | 0.000174 | 0.000352 | 0.00174 | 0.000198 |
| 2058 Jul | 0.00000385 | 1.99 | 0.00184 | 2.47 | 0.0278 | 0.000829 | 1.36 | 0.00418 | 0.004 | 0.0000408 | 0.000176 | 0.0000851 | 0.0637 | 0.00000597 | 0.000181 | 0.000363 | 0.00179 | 0.0002 |
| 2058 Aug | 0.00000381 | 1.91 | 0.00176 | 2.38 | 0.026 | 0.000775 | 1.32 | 0.00394 | 0.00381 | 0.0000402 | 0.000168 | 0.0000814 | 0.0606 | 0.00000599 | 0.00017 | 0.000359 | 0.0018 | 0.000186 |
| 2058 Sep | 0.00000368 | 1.76 | 0.00164 | 2.2 | 0.0236 | 0.000706 | 1.23 | 0.00351 | 0.00345 | 0.0000385 | 0.000158 | 0.0000774 | 0.0559 | 0.00000585 | 0.000157 | 0.000347 | 0.00175 | 0.000166 |
| 2058 Oct | 0.00000382 | 1.88 | 0.00178 | 2.31 | 0.0265 | 0.000792 | 1.28 | 0.00385 | 0.00366 | 0.000081 | 0.000173 | 0.0000836 | 0.0605 | 0.00000591 | 0.000176 | 0.000357 | 0.00183 | 0.000184 |
| 2058 Nov | 0.00000388 | 1.94 | 0.00184 | 2.38 | 0.0278 | 0.000831 | 1.31 | 0.00404 | 0.00379 | 0.0000945 | 0.00018 | 0.0000862 | 0.0627 | 0.00000595 | 0.000184 | 0.000363 | 0.00186 | 0.000194 |
| 2058 Dec | 0.00000389 | 1.95 | 0.00185 | 2.39 | 0.028 | 0.000837 | 1.31 | 0.00407 | 0.00381 | 0.0000929 | 0.000181 | 0.0000866 | 0.0631 | 0.00000596 | 0.000186 | 0.000363 | 0.00186 | 0.000195 |
| 2059 Jan | 0.00000389 | 1.95 | 0.00185 | 2.39 | 0.028 | 0.000837 | 1.31 | 0.00407 | 0.00381 | 0.0000926 | 0.000181 | 0.0000867 | 0.0631 | 0.00000596 | 0.000186 | 0.000363 | 0.00186 | 0.000196 |
| 2059 Feb | 0.00000389 | 1.95 | 0.00185 | 2.39 | 0.028 | 0.000837 | 1.31 | 0.00407 | 0.00381 | 0.0000925 | 0.000181 | 0.0000867 | 0.0631 | 0.00000596 | 0.000186 | 0.000363 | 0.00186 | 0.000196 |
| 2059 Mar | 0.00000389 | 1.95 | 0.00185 | 2.39 | 0.028 | 0.000837 | 1.31 | 0.00407 | 0.00381 | 0.0000925 | 0.000181 | 0.0000867 | 0.0631 | 0.00000596 | 0.000186 | 0.000363 | 0.00186 | 0.000196 |
| 2059 Apr | 0.0000039 | 1.95 | 0.00186 | 2.39 | 0.028 | 0.000838 | 1.32 | 0.00407 | 0.00382 | 0.0000925 | 0.000181 | 0.0000868 | 0.0631 | 0.00000597 | 0.000186 | 0.000364 | 0.00186 | 0.000196 |
| 2059 May | 0.00000382 | 1.89 | 0.00178 | 2.33 | 0.0264 | 0.000789 | 1.29 | 0.00387 | 0.00365 | 0.0000829 | 0.000173 | 0.000083 | 0.0604 | 0.00000593 | 0.000175 | 0.000358 | 0.00184 | 0.000184 |
| 2059 Jun | 0.00000375 | 1.94 | 0.0018 | 2.4 | 0.0268 | 0.00079 | 1.34 | 0.00395 | 0.00385 | 0.0000412 | 0.000169 | 0.0000823 | 0.0621 | 0.00000586 | 0.000173 | 0.000353 | 0.00176 | 0.000185 |
| 2059 Jul | 0.00000375 | 1.92 | 0.00176 | 2.39 | 0.0258 | 0.000758 | 1.34 | 0.00383 | 0.00382 | 0.0000406 | 0.000165 | 0.0000805 | 0.061 | 0.00000593 | 0.000167 | 0.000354 | 0.00178 | 0.000177 |
| 2059 Aug | 0.00000369 | 1.83 | 0.00167 | 2.3 | 0.024 | 0.000702 | 1.29 | 0.00359 | 0.00361 | 0.0000398 | 0.000157 | 0.0000766 | 0.0576 | 0.00000594 | 0.000155 | 0.00035 | 0.00178 | 0.000163 |
| 2059 Sep | 0.00000361 | 1.74 | 0.0016 | 2.18 | 0.0227 | 0.000663 | 1.23 | 0.00334 | 0.00339 | 0.0000386 | 0.000151 | 0.0000744 | 0.0549 | 0.00000584 | 0.000148 | 0.000342 | 0.00175 | 0.000152 |
| 2059 Oct | 0.00000374 | 1.91 | 0.00181 | 2.35 | 0.0268 | 0.000779 | 1.31 | 0.00383 | 0.00371 | 0.000128 | 0.000172 | 0.0000828 | 0.062 | 0.00000589 | 0.000171 | 0.000353 | 0.00189 | 0.000179 |
| 2059 Nov | 0.00000382 | 1.99 | 0.00189 | 2.43 | 0.0285 | 0.000829 | 1.35 | 0.00406 | 0.00388 | 0.000124 | 0.00018 | 0.0000864 | 0.0649 | 0.00000595 | 0.000181 | 0.00036 | 0.0019 | 0.000191 |
| 2059 Dec | 0.00000383 | 1.99 | 0.0019 | 2.44 | 0.0287 | 0.000833 | 1.35 | 0.00408 | 0.0039 | 0.000122 | 0.00018 | 0.0000867 | 0.0651 | 0.00000595 | 0.000182 | 0.00036 | 0.0019 | 0.000192 |
| 2060 Jan | 0.00000383 | 1.99 | 0.0019 | 2.44 | 0.0287 | 0.000833 | 1.35 | 0.00408 | 0.0039 | 0.000122 | 0.00018 | 0.0000867 | 0.0651 | 0.00000595 | 0.000182 | 0.00036 | 0.0019 | 0.000192 |
| 2060 Feb | 0.00000383 | 1.99 | 0.0019 | 2.44 | 0.0287 | 0.000833 | 1.35 | 0.00408 | 0.0039 | 0.000121 | 0.00018 | 0.0000867 | 0.0651 | 0.00000595 | 0.000182 | 0.00036 | 0.0019 | 0.000192 |
| 2060 Mar | 0.00000383 | 1.99 | 0.0019 | 2.44 | 0.0287 | 0.000833 | 1.35 | 0.00408 | 0.0039 | 0.000121 | 0.00018 | 0.0000867 | 0.0651 | 0.00000595 | 0.000182 | 0.00036 | 0.0019 | 0.000192 |
| 2060 Apr | 0.00000383 | 2 | 0.0019 | 2.44 | 0.0287 | 0.000834 | 1.35 | 0.00409 | 0.0039 | 0.000122 | 0.00018 | 0.0000868 | 0.0652 | 0.00000596 | 0.000182 | 0.000361 | 0.0019 | 0.000192 |
| 2060 May | 0.00000368 | 1.9 | 0.00179 | 2.35 | 0.0265 | 0.000763 | 1.31 | 0.00382 | 0.00367 | 0.0000742 | 0.000166 | 0.000081 | 0.0612 | 0.00000584 | 0.000166 | 0.000349 | 0.0018 | 0.000176 |
| 2060 Jun | 0.00000364 | 1.92 | 0.00182 | 2.39 | 0.027 | 0.000771 | 1.34 | 0.0039 | 0.00383 | 0.0000408 | 0.000164 | 0.000081 | 0.0624 | 0.00000579 | 0.000166 | 0.000346 | 0.00174 | 0.00018 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 0.00000361 | 1.86 | 0.00173 | 2.33 | 0.0253 | 0.000719 | 1.31 | 0.00369 | 0.00371 | 0.0000402 | 0.000157 | 0.0000776 | 0.0598 | 0.00000584 | 0.000156 | 0.000344 | 0.00175 | 0.000167 |
| 2060 Aug | 0.00000352 | 1.72 | 0.00162 | 2.16 | 0.0233 | 0.000657 | 1.22 | 0.00335 | 0.00338 | 0.0000387 | 0.000148 | 0.0000729 | 0.0552 | 0.00000575 | 0.000145 | 0.000335 | 0.00173 | 0.00015 |
| 2060 Sep | 0.0000036 | 1.8 | 0.00174 | 2.22 | 0.0256 | 0.000726 | 1.24 | 0.00357 | 0.00357 | 0.0000395 | 0.000158 | 0.0000785 | 0.0589 | 0.00000575 | 0.000159 | 0.000341 | 0.00173 | 0.000165 |
| 2060 Oct | 0.00000363 | 1.86 | 0.00179 | 2.28 | 0.0266 | 0.000754 | 1.27 | 0.00371 | 0.00368 | 0.0000843 | 0.000164 | 0.0000804 | 0.0609 | 0.00000576 | 0.000165 | 0.000343 | 0.00179 | 0.000172 |
| 2060 Nov | 0.00000368 | 1.91 | 0.00185 | 2.34 | 0.0277 | 0.000786 | 1.3 | 0.00387 | 0.0038 | 0.0000908 | 0.000169 | 0.0000825 | 0.0629 | 0.0000058 | 0.000171 | 0.000348 | 0.00181 | 0.00018 |
| 2060 Dec | 0.00000369 | 1.92 | 0.00185 | 2.35 | 0.0279 | 0.00079 | 1.31 | 0.00389 | 0.00382 | 0.0000895 | 0.000169 | 0.0000828 | 0.0632 | 0.0000058 | 0.000172 | 0.000348 | 0.00181 | 0.000181 |
| 2061 Jan | 0.00000369 | 1.92 | 0.00185 | 2.35 | 0.0279 | 0.000791 | 1.31 | 0.00389 | 0.00382 | 0.0000893 | 0.000169 | 0.0000828 | 0.0632 | 0.0000058 | 0.000172 | 0.000348 | 0.00181 | 0.000181 |
| 2061 Feb | 0.00000369 | 1.92 | 0.00185 | 2.35 | 0.0279 | 0.000791 | 1.31 | 0.00389 | 0.00382 | 0.0000892 | 0.000169 | 0.0000828 | 0.0632 | 0.0000058 | 0.000172 | 0.000348 | 0.00181 | 0.000181 |
| 2061 Mar | 0.00000369 | 1.92 | 0.00185 | 2.35 | 0.0279 | 0.000791 | 1.31 | 0.00389 | 0.00382 | 0.0000892 | 0.000169 | 0.0000828 | 0.0632 | 0.0000058 | 0.000172 | 0.000348 | 0.00181 | 0.000181 |
| 2061 Apr | 0.00000369 | 1.92 | 0.00186 | 2.35 | 0.0279 | 0.000792 | 1.31 | 0.0039 | 0.00382 | 0.0000893 | 0.00017 | 0.0000829 | 0.0633 | 0.00000581 | 0.000172 | 0.000349 | 0.00181 | 0.000181 |
| 2061 May | 0.00000362 | 1.84 | 0.00176 | 2.28 | 0.0258 | 0.000734 | 1.28 | 0.00366 | 0.00361 | 0.000076 | 0.000161 | 0.0000786 | 0.0598 | 0.00000578 | 0.000161 | 0.000343 | 0.00179 | 0.000167 |
| 2061 Jun | 0.00000353 | 1.87 | 0.00174 | 2.31 | 0.0256 | 0.000722 | 1.3 | 0.00366 | 0.00381 | 0.0000393 | 0.000155 | 0.0000762 | 0.0604 | 0.00000564 | 0.000158 | 0.000335 | 0.00169 | 0.000164 |
| 2061 Jul | 0.0000035 | 1.79 | 0.00168 | 2.23 | 0.0245 | 0.000682 | 1.26 | 0.0035 | 0.00365 | 0.0000388 | 0.000149 | 0.0000734 | 0.0578 | 0.00000567 | 0.00015 | 0.000333 | 0.0017 | 0.000154 |
| 2061 Aug | 0.00000351 | 1.75 | 0.00165 | 2.18 | 0.0239 | 0.000663 | 1.23 | 0.0034 | 0.00353 | 0.0000386 | 0.000147 | 0.0000724 | 0.0563 | 0.00000572 | 0.000147 | 0.000334 | 0.00172 | 0.000149 |
| 2061 Sep | 0.00000348 | 1.7 | 0.00162 | 2.12 | 0.0231 | 0.000643 | 1.2 | 0.00325 | 0.0034 | 0.0000382 | 0.000144 | 0.0000713 | 0.0548 | 0.00000569 | 0.000143 | 0.000331 | 0.00171 | 0.000143 |
| 2061 Oct | 0.00000351 | 1.76 | 0.00167 | 2.17 | 0.0241 | 0.000673 | 1.22 | 0.00336 | 0.00346 | 0.000123 | 0.000153 | 0.0000736 | 0.0571 | 0.00000568 | 0.00015 | 0.000333 | 0.00182 | 0.000148 |
| 2061 Nov | 0.00000359 | 1.85 | 0.00177 | 2.27 | 0.026 | 0.000727 | 1.27 | 0.0036 | 0.00366 | 0.000127 | 0.000161 | 0.0000774 | 0.0604 | 0.00000573 | 0.000161 | 0.000339 | 0.00184 | 0.000161 |
| 2061 Dec | 0.0000036 | 1.86 | 0.00178 | 2.28 | 0.0263 | 0.000733 | 1.27 | 0.00363 | 0.00369 | 0.000125 | 0.000162 | 0.0000779 | 0.0608 | 0.00000574 | 0.000162 | 0.00034 | 0.00184 | 0.000162 |
| 2062 Jan | 0.0000036 | 1.86 | 0.00178 | 2.28 | 0.0263 | 0.000734 | 1.27 | 0.00364 | 0.00369 | 0.000124 | 0.000162 | 0.0000779 | 0.0608 | 0.00000574 | 0.000162 | 0.00034 | 0.00184 | 0.000162 |
| 2062 Feb | 0.0000036 | 1.86 | 0.00178 | 2.28 | 0.0263 | 0.000734 | 1.27 | 0.00364 | 0.00369 | 0.000124 | 0.000162 | 0.0000779 | 0.0608 | 0.00000574 | 0.000162 | 0.00034 | 0.00184 | 0.000162 |
| 2062 Mar | 0.0000036 | 1.86 | 0.00178 | 2.28 | 0.0263 | 0.000734 | 1.27 | 0.00364 | 0.00369 | 0.000124 | 0.000162 | 0.0000779 | 0.0608 | 0.00000574 | 0.000162 | 0.00034 | 0.00184 | 0.000162 |
| 2062 Apr | 0.00000361 | 1.86 | 0.00178 | 2.28 | 0.0263 | 0.000735 | 1.28 | 0.00364 | 0.00369 | 0.000124 | 0.000162 | 0.000078 | 0.0609 | 0.00000574 | 0.000162 | 0.000341 | 0.00184 | 0.000162 |
| 2062 May | 0.00000362 | 1.87 | 0.00179 | 2.29 | 0.0264 | 0.000737 | 1.28 | 0.00365 | 0.00371 | 0.000124 | 0.000163 | 0.0000783 | 0.0611 | 0.00000577 | 0.000163 | 0.000342 | 0.00185 | 0.000163 |
| 2062 Jun | 0.00000353 | 1.84 | 0.00171 | 2.28 | 0.0248 | 0.000694 | 1.29 | 0.00347 | 0.00374 | 0.0000632 | 0.000153 | 0.0000745 | 0.0594 | 0.00000566 | 0.000155 | 0.000334 | 0.00174 | 0.00015 |
| 2062 Jul | 0.00000369 | 1.86 | 0.00176 | 2.27 | 0.0259 | 0.000732 | 1.28 | 0.00358 | 0.00379 | 0.00004 | 0.00016 | 0.0000767 | 0.06 | 0.00000576 | 0.000168 | 0.000344 | 0.00173 | 0.000154 |
| 2062 Aug | 0.00000363 | 1.76 | 0.00166 | 2.14 | 0.0238 | 0.000674 | 1.21 | 0.00329 | 0.00351 | 0.000039 | 0.000152 | 0.0000727 | 0.056 | 0.00000576 | 0.000156 | 0.000339 | 0.00173 | 0.00014 |
| 2062 Sep | 0.00000362 | 1.72 | 0.00164 | 2.09 | 0.0235 | 0.000669 | 1.18 | 0.00317 | 0.00341 | 0.0000386 | 0.000151 | 0.0000731 | 0.0552 | 0.00000571 | 0.000156 | 0.000337 | 0.00172 | 0.000136 |
| 2062 Oct | 0.00000364 | 1.82 | 0.00174 | 2.2 | 0.0256 | 0.00072 | 1.24 | 0.00346 | 0.0036 | 0.000135 | 0.000162 | 0.000076 | 0.0592 | 0.00000568 | 0.000166 | 0.000338 | 0.00184 | 0.000149 |
| 2062 Nov | 0.00000373 | 1.91 | 0.00185 | 2.29 | 0.0276 | 0.000775 | 1.28 | 0.00371 | 0.00382 | 0.000127 | 0.00017 | 0.0000797 | 0.0627 | 0.00000574 | 0.000177 | 0.000346 | 0.00185 | 0.000162 |
| 2062 Dec | 0.00000373 | 1.92 | 0.00185 | 2.3 | 0.0277 | 0.000779 | 1.29 | 0.00373 | 0.00384 | 0.000124 | 0.00017 | 0.00008 | 0.0629 | 0.00000574 | 0.000178 | 0.000346 | 0.00184 | 0.000162 |
| 2063 Jan | 0.00000373 | 1.92 | 0.00185 | 2.3 | 0.0278 | 0.000779 | 1.29 | 0.00373 | 0.00384 | 0.000123 | 0.00017 | 0.00008 | 0.0629 | 0.00000574 | 0.000178 | 0.000346 | 0.00184 | 0.000163 |
| 2063 Feb | 0.00000373 | 1.92 | 0.00185 | 2.3 | 0.0278 | 0.000779 | 1.29 | 0.00373 | 0.00384 | 0.000123 | 0.00017 | 0.00008 | 0.0629 | 0.00000574 | 0.000178 | 0.000346 | 0.00184 | 0.000163 |
| 2063 Mar | 0.00000373 | 1.92 | 0.00185 | 2.3 | 0.0278 | 0.000779 | 1.29 | 0.00373 | 0.00384 | 0.000123 | 0.00017 | 0.00008 | 0.0629 | 0.00000574 | 0.000178 | 0.000346 | 0.00184 | 0.000163 |
| 2063 Apr | 0.00000373 | 1.92 | 0.00185 | 2.3 | 0.0278 | 0.000779 | 1.29 | 0.00373 | 0.00384 | 0.000123 | 0.00017 | 0.00008 | 0.0629 | 0.00000575 | 0.000178 | 0.000346 | 0.00184 | 0.000163 |
| 2063 May | 0.00000368 | 1.86 | 0.00178 | 2.24 | 0.0261 | 0.000735 | 1.26 | 0.00355 | 0.00368 | 0.000114 | 0.000163 | 0.0000769 | 0.0602 | 0.00000573 | 0.000169 | 0.000342 | 0.00183 | 0.000153 |
| 2063 Jun | 0.00000351 | 1.83 | 0.0017 | 2.24 | 0.0245 | 0.000677 | 1.27 | 0.00333 | 0.00374 | 0.0000404 | 0.000149 | 0.0000723 | 0.0588 | 0.00000558 | 0.000155 | 0.000329 | 0.00168 | 0.000138 |
| 2063 Jul | 0.00000354 | 1.84 | 0.00173 | 2.26 | 0.0252 | 0.000687 | 1.28 | 0.00341 | 0.00381 | 0.00004 | 0.000151 | 0.0000732 | 0.0598 | 0.00000565 | 0.000156 | 0.000333 | 0.0017 | 0.000142 |
| 2063 Aug | 0.00000353 | 1.78 | 0.00167 | 2.2 | 0.0239 | 0.000649 | 1.25 | 0.00325 | 0.00366 | 0.0000397 | 0.000146 | 0.0000709 | 0.0574 | 0.00000572 | 0.000148 | 0.000333 | 0.00172 | 0.000134 |
| 2063 Sep | 0.00000348 | 1.71 | 0.00159 | 2.12 | 0.0223 | 0.000606 | 1.21 | 0.00305 | 0.00348 | 0.0000388 | 0.000139 | 0.0000681 | 0.0546 | 0.00000571 | 0.000139 | 0.000329 | 0.00172 | 0.000124 |
| 2063 Oct | 0.00000345 | 1.69 | 0.00157 | 2.1 | 0.0218 | 0.000591 | 1.2 | 0.00298 | 0.00339 | 0.0000842 | 0.000139 | 0.0000672 | 0.0538 | 0.00000569 | 0.000136 | 0.000327 | 0.00177 | 0.00012 |
| 2063 Nov | 0.00000348 | 1.72 | 0.0016 | 2.13 | 0.0224 | 0.000608 | 1.21 | 0.00304 | 0.00344 | 0.0000871 | 0.000142 | 0.0000684 | 0.0549 | 0.00000571 | 0.00014 | 0.000329 | 0.00178 | 0.000124 |
| 2063 Dec | 0.00000349 | 1.72 | 0.0016 | 2.13 | 0.0224 | 0.000609 | 1.21 | 0.00305 | 0.00344 | 0.0000868 | 0.000142 | 0.0000685 | 0.0549 | 0.00000571 | 0.00014 | 0.000329 | 0.00178 | 0.000124 |
| 2064 Jan | 0.00000349 | 1.72 | 0.0016 | 2.13 | 0.0224 | 0.000609 | 1.21 | 0.00305 | 0.00344 | 0.0000867 | 0.000142 | 0.0000685 | 0.0549 | 0.00000571 | 0.00014 | 0.000329 | 0.00178 | 0.000124 |
| 2064 Feb | 0.00000349 | 1.72 | 0.0016 | 2.13 | 0.0224 | 0.000609 | 1.21 | 0.00305 | 0.00344 | 0.0000867 | 0.000142 | 0.0000685 | 0.055 | 0.00000571 | 0.00014 | 0.000329 | 0.00178 | 0.000124 |
| 2064 Mar | 0.00000349 | 1.72 | 0.0016 | 2.13 | 0.0224 | 0.00061 | 1.21 | 0.00305 | 0.00345 | 0.0000867 | 0.000142 | 0.0000685 | 0.055 | 0.00000571 | 0.00014 | 0.000329 | 0.00178 | 0.000124 |
| 2064 Apr | 0.00000349 | 1.72 | 0.0016 | 2.13 | 0.0224 | 0.00061 | 1.21 | 0.00305 | 0.00345 | 0.0000867 | 0.000143 | 0.0000686 | 0.055 | 0.00000571 | 0.00014 | 0.00033 | 0.00179 | 0.000124 |
| 2064 May | 0.00000348 | 1.72 | 0.00161 | 2.13 | 0.0225 | 0.000612 | 1.22 | 0.00305 | 0.00341 | 0.0000724 | 0.000142 | 0.0000688 | 0.055 | 0.00000569 | 0.000141 | 0.000329 | 0.00176 | 0.000123 |
| 2064 Jun | 0.00000366 | 1.87 | 0.00175 | 2.27 | 0.0252 | 0.000697 | 1.29 | 0.00332 | 0.00375 | 0.0000404 | 0.000156 | 0.0000746 | 0.06 | 0.00000575 | 0.000163 | 0.000339 | 0.00173 | 0.000134 |
| 2064 Jul | 0.00000365 | 1.82 | 0.00167 | 2.22 | 0.0236 | 0.000655 | 1.27 | 0.00315 | 0.00363 | 0.0000398 | 0.000151 | 0.000072 | 0.0575 | 0.00000581 | 0.000156 | 0.000339 | 0.00175 | 0.000124 |
| 2064 Aug | 0.00000362 | 1.73 | 0.0016 | 2.12 | 0.0224 | 0.000617 | 1.21 | 0.00297 | 0.00341 | 0.0000391 | 0.000146 | 0.0000695 | 0.0545 | 0.00000581 | 0.000148 | 0.000337 | 0.00175 | 0.000115 |
| 2064 Sep | 0.00000362 | 1.71 | 0.00161 | 2.08 | 0.0225 | 0.000623 | 1.19 | 0.00289 | 0.00334 | 0.0000389 | 0.000147 | 0.0000708 | 0.0544 | 0.00000577 | 0.00015 | 0.000335 | 0.00174 | 0.000114 |
| 2064 Oct | 0.00000376 | 1.83 | 0.00175 | 2.19 | 0.0251 | 0.000699 | 1.25 | 0.00317 | 0.0036 | 0.0000412 | 0.000159 | 0.0000766 | 0.0591 | 0.00000586 | 0.000168 | 0.000346 | 0.00177 | 0.000127 |
| 2064 Nov | 0.00000377 | 1.85 | 0.00176 | 2.21 | 0.0254 | 0.000706 | 1.26 | 0.0032 | 0.00363 | 0.0000422 | 0.00016 | 0.0000772 | 0.0596 | 0.00000587 | 0.000169 | 0.000347 | 0.00177 | 0.000129 |
| 2064 Dec | 0.00000377 | 1.85 | 0.00176 | 2.21 | 0.0254 | 0.000707 | 1.26 | 0.0032 | 0.00363 | 0.0000422 | 0.00016 | 0.0000772 | 0.0596 | 0.00000587 | 0.000169 | 0.000347 | 0.00177 | 0.000129 |
| 2065 Jan | 0.00000377 | 1.85 | 0.00177 | 2.21 | 0.0254 | 0.000707 | 1.26 | 0.0032 | 0.00363 | 0.0000422 | 0.000161 | 0.0000772 | 0.0596 | 0.00000587 | 0.00017 | 0.000347 | 0.00177 | 0.000129 |
| 2065 Feb | 0.00000378 | 1.85 | 0.00177 | 2.21 | 0.0255 | 0.000708 | 1.26 | 0.0032 | 0.00363 | 0.0000422 | 0.000161 | 0.0000773 | 0.0597 | 0.00000587 | 0.00017 | 0.000347 | 0.00177 | 0.000129 |
| 2065 Mar | 0.00000378 | 1.85 | 0.00177 | 2.21 | 0.0255 | 0.000709 | 1.26 | 0.00321 | 0.00364 | 0.0000422 | 0.000161 | 0.0000774 | 0.0597 | 0.00000588 | 0.00017 | 0.000347 | 0.00177 | 0.000129 |
| 2065 Apr | 0.00000378 | 1.85 | 0.00177 | 2.21 | 0.0255 | 0.00071 | 1.26 | 0.00321 | 0.00364 | 0.0000422 | 0.000161 | 0.0000775 | 0.0598 | 0.00000589 | 0.00017 | 0.000348 | 0.00178 | 0.000129 |
| 2065 May | 0.00000369 | 1.77 | 0.00166 | 2.14 | 0.0233 | 0.000652 | 1.23 | 0.003 | 0.00341 | 0.0000406 | 0.000152 | 0.000073 | 0.0562 | 0.00000583 | 0.000158 | 0.000341 | 0.00176 | 0.000118 |
| 2065 Jun | 0.00000363 | 1.88 | 0.00174 | 2.27 | 0.0248 | 0.000679 | 1.3 | 0.0032 | 0.00378 | 0.0000396 | 0.000153 | 0.0000737 | 0.0601 | 0.00000571 | 0.000161 | 0.000335 | 0.00172 | 0.000124 |
| 2065 Jul | 0.00000365 | 1.88 | 0.00174 | 2.28 | 0.0248 | 0.000671 | 1.31 | 0.0032 | 0.0038 | 0.0000399 | 0.000152 | 0.0000734 | 0.0601 | 0.0000058 | 0.000158 | 0.000339 | 0.00175 | 0.000124 |
| 2065 Aug | 0.00000359 | 1.78 | 0.00164 | 2.18 | 0.0229 | 0.000618 | 1.26 | 0.00298 | 0.00358 | 0.0000391 | 0.000145 | 0.0000698 | 0.0566 | 0.00000581 | 0.000147 | 0.000335 | 0.00175 | 0.000113 |
| 2065 Sep | 0.00000353 | 1.71 | 0.00158 | 2.09 | 0.0218 | 0.000588 | 1.21 | 0.0028 | 0.00339 | 0.0000384 | 0.00014 | 0.0000682 | 0.0542 | 0.00000576 | 0.00014 | 0.00033 | 0.00173 | 0.000107 |
| 2065 Oct | 0.00000359 | 1.8 | 0.0017 | 2.18 | 0.0241 | 0.000651 | 1.24 | 0.00303 | 0.00351 | 0.00014 | 0.000154 | 0.0000726 | 0.0583 | 0.00000573 | 0.000155 | 0.000333 | 0.00187 | 0.000117 |
| 2065 Nov | 0.00000369 | 1.91 | 0.00182 | 2.28 | 0.0264 | 0.000713 | 1.3 | 0.00329 | 0.00374 | 0.00014 | 0.000163 | 0.0000769 | 0.0623 | 0.00000579 | 0.000168 | 0.000341 | 0.00188 | 0.000129 |

**Appendix D16. Lake A15**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 0.00000371 | 1.92 | 0.00184 | 2.29 | 0.0268 | 0.000722 | 1.3 | 0.00332 | 0.00378 | 0.000135 | 0.000165 | 0.0000775 | 0.0628 | 0.0000058 | 0.00017 | 0.000342 | 0.00188 | 0.00013 |
| 2066 Jan | 0.00000371 | 1.92 | 0.00184 | 2.29 | 0.0269 | 0.000724 | 1.31 | 0.00333 | 0.00379 | 0.000134 | 0.000165 | 0.0000777 | 0.0629 | 0.0000058 | 0.000171 | 0.000343 | 0.00188 | 0.000131 |
| 2066 Feb | 0.00000371 | 1.93 | 0.00184 | 2.29 | 0.0269 | 0.000725 | 1.31 | 0.00333 | 0.00379 | 0.000133 | 0.000165 | 0.0000777 | 0.063 | 0.00000581 | 0.000171 | 0.000343 | 0.00188 | 0.000131 |
| 2066 Mar | 0.00000372 | 1.93 | 0.00184 | 2.3 | 0.0269 | 0.000726 | 1.31 | 0.00334 | 0.00379 | 0.000133 | 0.000165 | 0.0000778 | 0.063 | 0.00000581 | 0.000171 | 0.000343 | 0.00188 | 0.000131 |
| 2066 Apr | 0.00000372 | 1.93 | 0.00185 | 2.3 | 0.0269 | 0.000726 | 1.31 | 0.00334 | 0.0038 | 0.000133 | 0.000165 | 0.0000779 | 0.0631 | 0.00000581 | 0.000171 | 0.000343 | 0.00188 | 0.000131 |
| 2066 May | 0.00000368 | 1.89 | 0.00179 | 2.26 | 0.0259 | 0.000699 | 1.29 | 0.00323 | 0.00369 | 0.000122 | 0.000161 | 0.0000758 | 0.0612 | 0.0000058 | 0.000166 | 0.000341 | 0.00186 | 0.000126 |
| 2066 Jun | 0.00000365 | 1.88 | 0.00175 | 2.26 | 0.025 | 0.000679 | 1.3 | 0.00316 | 0.00377 | 0.0000412 | 0.000154 | 0.0000734 | 0.0602 | 0.00000573 | 0.000163 | 0.000336 | 0.00173 | 0.00012 |
| 2066 Jul | 0.00000367 | 1.85 | 0.0017 | 2.25 | 0.0239 | 0.000645 | 1.3 | 0.00306 | 0.00373 | 0.0000408 | 0.00015 | 0.0000716 | 0.0588 | 0.00000586 | 0.000155 | 0.00034 | 0.00177 | 0.000114 |
| 2066 Aug | 0.00000356 | 1.71 | 0.00156 | 2.1 | 0.0212 | 0.000572 | 1.21 | 0.00274 | 0.00339 | 0.0000392 | 0.000138 | 0.0000664 | 0.0537 | 0.00000581 | 0.000139 | 0.000332 | 0.00175 | 0.0000996 |
| 2066 Sep | 0.00000354 | 1.67 | 0.00154 | 2.04 | 0.0209 | 0.000563 | 1.19 | 0.00264 | 0.00328 | 0.0000389 | 0.000137 | 0.0000665 | 0.0527 | 0.00000578 | 0.000138 | 0.00033 | 0.00174 | 0.0000966 |
| 2066 Oct | 0.00000365 | 1.8 | 0.00169 | 2.16 | 0.0238 | 0.000643 | 1.24 | 0.00291 | 0.00349 | 0.0000974 | 0.000153 | 0.0000727 | 0.0578 | 0.0000058 | 0.000156 | 0.000337 | 0.00183 | 0.000109 |
| 2066 Nov | 0.00000374 | 1.9 | 0.0018 | 2.25 | 0.0258 | 0.000697 | 1.29 | 0.00313 | 0.00368 | 0.000128 | 0.000163 | 0.0000763 | 0.0614 | 0.00000585 | 0.000168 | 0.000344 | 0.00189 | 0.000118 |
| 2066 Dec | 0.00000376 | 1.91 | 0.00182 | 2.27 | 0.0262 | 0.000708 | 1.3 | 0.00317 | 0.00373 | 0.000123 | 0.000164 | 0.0000771 | 0.0621 | 0.00000587 | 0.000171 | 0.000345 | 0.00188 | 0.00012 |
| 2067 Jan | 0.00000376 | 1.92 | 0.00182 | 2.27 | 0.0263 | 0.00071 | 1.3 | 0.00318 | 0.00374 | 0.000122 | 0.000164 | 0.0000772 | 0.0622 | 0.00000587 | 0.000171 | 0.000345 | 0.00188 | 0.00012 |
| 2067 Feb | 0.00000377 | 1.92 | 0.00182 | 2.27 | 0.0263 | 0.000711 | 1.3 | 0.00319 | 0.00374 | 0.000122 | 0.000165 | 0.0000773 | 0.0623 | 0.00000587 | 0.000172 | 0.000345 | 0.00188 | 0.00012 |
| 2067 Mar | 0.00000377 | 1.92 | 0.00183 | 2.27 | 0.0264 | 0.000712 | 1.3 | 0.00319 | 0.00374 | 0.000121 | 0.000165 | 0.0000774 | 0.0623 | 0.00000587 | 0.000172 | 0.000346 | 0.00188 | 0.000121 |
| 2067 Apr | 0.00000377 | 1.92 | 0.00183 | 2.28 | 0.0264 | 0.000713 | 1.3 | 0.0032 | 0.00375 | 0.000121 | 0.000165 | 0.0000775 | 0.0624 | 0.00000588 | 0.000172 | 0.000346 | 0.00188 | 0.000121 |
| 2067 May | 0.00000366 | 1.8 | 0.00167 | 2.16 | 0.0233 | 0.000635 | 1.25 | 0.0029 | 0.00342 | 0.0000917 | 0.000152 | 0.0000715 | 0.057 | 0.00000581 | 0.000155 | 0.000337 | 0.00182 | 0.000106 |
| 2067 Jun | 0.00000368 | 1.91 | 0.00178 | 2.28 | 0.0254 | 0.000683 | 1.31 | 0.00312 | 0.0038 | 0.0000419 | 0.000155 | 0.0000742 | 0.0612 | 0.00000577 | 0.000165 | 0.000338 | 0.00174 | 0.000115 |
| 2067 Jul | 0.00000369 | 1.87 | 0.00174 | 2.26 | 0.0245 | 0.000654 | 1.3 | 0.00304 | 0.00374 | 0.0000414 | 0.000152 | 0.0000726 | 0.0598 | 0.00000586 | 0.000159 | 0.00034 | 0.00177 | 0.00011 |
| 2067 Aug | 0.00000363 | 1.79 | 0.00171 | 2.14 | 0.0242 | 0.000636 | 1.24 | 0.00292 | 0.00353 | 0.0000405 | 0.000148 | 0.0000715 | 0.0577 | 0.00000581 | 0.000154 | 0.000336 | 0.00175 | 0.000105 |
| 2067 Sep | 0.00000364 | 1.78 | 0.0017 | 2.13 | 0.024 | 0.000635 | 1.23 | 0.00288 | 0.0035 | 0.0000405 | 0.000149 | 0.0000717 | 0.0576 | 0.00000582 | 0.000155 | 0.000337 | 0.00176 | 0.000104 |
| 2067 Oct | 0.00000365 | 1.81 | 0.00172 | 2.15 | 0.0242 | 0.000643 | 1.24 | 0.0029 | 0.00351 | 0.0000925 | 0.000152 | 0.0000723 | 0.0583 | 0.00000581 | 0.000157 | 0.000336 | 0.00182 | 0.000105 |
| 2067 Nov | 0.00000371 | 1.86 | 0.00178 | 2.21 | 0.0254 | 0.000675 | 1.27 | 0.00303 | 0.00364 | 0.0000981 | 0.000158 | 0.0000746 | 0.0604 | 0.00000585 | 0.000164 | 0.000341 | 0.00184 | 0.00011 |
| 2067 Dec | 0.00000372 | 1.87 | 0.00178 | 2.22 | 0.0255 | 0.000679 | 1.28 | 0.00304 | 0.00365 | 0.0000969 | 0.000158 | 0.0000749 | 0.0606 | 0.00000585 | 0.000165 | 0.000342 | 0.00184 | 0.000111 |
| 2068 Jan | 0.00000372 | 1.87 | 0.00179 | 2.22 | 0.0256 | 0.00068 | 1.28 | 0.00304 | 0.00366 | 0.0000965 | 0.000159 | 0.000075 | 0.0607 | 0.00000585 | 0.000165 | 0.000342 | 0.00184 | 0.000111 |
| 2068 Feb | 0.00000372 | 1.87 | 0.00179 | 2.22 | 0.0256 | 0.000681 | 1.28 | 0.00305 | 0.00366 | 0.0000962 | 0.000159 | 0.0000751 | 0.0608 | 0.00000585 | 0.000166 | 0.000342 | 0.00184 | 0.000111 |
| 2068 Mar | 0.00000372 | 1.88 | 0.00179 | 2.22 | 0.0256 | 0.000682 | 1.28 | 0.00305 | 0.00366 | 0.0000961 | 0.000159 | 0.0000752 | 0.0608 | 0.00000586 | 0.000166 | 0.000342 | 0.00184 | 0.000112 |
| 2068 Apr | 0.00000373 | 1.88 | 0.00179 | 2.23 | 0.0257 | 0.000683 | 1.28 | 0.00306 | 0.00367 | 0.0000962 | 0.000159 | 0.0000753 | 0.061 | 0.00000587 | 0.000166 | 0.000343 | 0.00185 | 0.000112 |
| 2068 May | 0.00000366 | 1.81 | 0.00171 | 2.17 | 0.0239 | 0.000639 | 1.26 | 0.0029 | 0.00349 | 0.000079 | 0.000152 | 0.0000719 | 0.0579 | 0.00000582 | 0.000157 | 0.000337 | 0.00181 | 0.000103 |
| 2068 Jun | 0.00000357 | 1.86 | 0.00174 | 2.23 | 0.0247 | 0.00065 | 1.29 | 0.00301 | 0.00376 | 0.0000405 | 0.000148 | 0.0000711 | 0.0599 | 0.00000566 | 0.000157 | 0.000329 | 0.00171 | 0.000107 |
| 2068 Jul | 0.00000361 | 1.87 | 0.00173 | 2.25 | 0.0244 | 0.00064 | 1.3 | 0.00299 | 0.00379 | 0.0000407 | 0.000147 | 0.0000709 | 0.0599 | 0.00000577 | 0.000155 | 0.000334 | 0.00174 | 0.000106 |
| 2068 Aug | 0.00000358 | 1.79 | 0.00165 | 2.17 | 0.0228 | 0.000595 | 1.26 | 0.00281 | 0.00361 | 0.0000401 | 0.000141 | 0.0000681 | 0.057 | 0.00000582 | 0.000145 | 0.000333 | 0.00176 | 0.0000979 |
| 2068 Sep | 0.00000347 | 1.66 | 0.00153 | 2.03 | 0.0205 | 0.000536 | 1.19 | 0.00253 | 0.0033 | 0.0000386 | 0.000132 | 0.0000642 | 0.0525 | 0.00000574 | 0.000132 | 0.000325 | 0.00173 | 0.0000871 |
| 2068 Oct | 0.00000353 | 1.71 | 0.00159 | 2.08 | 0.0216 | 0.000566 | 1.21 | 0.00262 | 0.00339 | 0.0000401 | 0.000137 | 0.0000668 | 0.0544 | 0.00000578 | 0.000139 | 0.000329 | 0.00174 | 0.0000914 |
| 2068 Nov | 0.00000354 | 1.71 | 0.0016 | 2.08 | 0.0217 | 0.000569 | 1.21 | 0.00263 | 0.0034 | 0.0000409 | 0.000138 | 0.000067 | 0.0546 | 0.00000579 | 0.000139 | 0.000329 | 0.00175 | 0.0000917 |
| 2068 Dec | 0.00000354 | 1.72 | 0.0016 | 2.08 | 0.0217 | 0.000569 | 1.21 | 0.00263 | 0.0034 | 0.0000409 | 0.000138 | 0.000067 | 0.0546 | 0.00000579 | 0.000139 | 0.00033 | 0.00175 | 0.0000917 |
| 2069 Jan | 0.00000354 | 1.72 | 0.0016 | 2.08 | 0.0218 | 0.000569 | 1.21 | 0.00264 | 0.0034 | 0.0000409 | 0.000138 | 0.000067 | 0.0547 | 0.00000579 | 0.00014 | 0.00033 | 0.00175 | 0.0000918 |
| 2069 Feb | 0.00000354 | 1.72 | 0.0016 | 2.08 | 0.0218 | 0.00057 | 1.21 | 0.00264 | 0.00341 | 0.0000409 | 0.000138 | 0.0000671 | 0.0547 | 0.00000579 | 0.00014 | 0.00033 | 0.00175 | 0.0000919 |
| 2069 Mar | 0.00000354 | 1.72 | 0.0016 | 2.09 | 0.0218 | 0.000571 | 1.22 | 0.00264 | 0.00341 | 0.0000409 | 0.000138 | 0.0000672 | 0.0548 | 0.00000579 | 0.00014 | 0.00033 | 0.00175 | 0.0000921 |
| 2069 Apr | 0.00000355 | 1.72 | 0.00161 | 2.09 | 0.0219 | 0.000573 | 1.22 | 0.00265 | 0.00342 | 0.0000409 | 0.000138 | 0.0000673 | 0.0549 | 0.0000058 | 0.00014 | 0.00033 | 0.00175 | 0.0000923 |
| 2069 May | 0.00000354 | 1.7 | 0.00158 | 2.08 | 0.0214 | 0.000559 | 1.21 | 0.0026 | 0.00336 | 0.0000407 | 0.000136 | 0.0000664 | 0.0541 | 0.00000581 | 0.000137 | 0.00033 | 0.00175 | 0.00009 |
| 2069 Jun | 0.00000362 | 1.87 | 0.0017 | 2.25 | 0.0236 | 0.000623 | 1.31 | 0.00283 | 0.00371 | 0.0000402 | 0.000147 | 0.0000708 | 0.0593 | 0.00000579 | 0.000153 | 0.000333 | 0.00175 | 0.000096 |
| 2069 Jul | 0.00000371 | 1.92 | 0.00176 | 2.31 | 0.0247 | 0.000646 | 1.35 | 0.00294 | 0.00384 | 0.0000412 | 0.000152 | 0.0000731 | 0.0614 | 0.00000594 | 0.000159 | 0.000342 | 0.00179 | 0.0000996 |
| 2069 Aug | 0.00000361 | 1.78 | 0.00164 | 2.16 | 0.0222 | 0.000581 | 1.26 | 0.00266 | 0.00351 | 0.0000397 | 0.000141 | 0.0000683 | 0.0565 | 0.00000588 | 0.000144 | 0.000335 | 0.00177 | 0.0000885 |
| 2069 Sep | 0.00000362 | 1.8 | 0.0017 | 2.14 | 0.0236 | 0.000615 | 1.25 | 0.0027 | 0.0035 | 0.00004 | 0.000146 | 0.0000713 | 0.0579 | 0.00000584 | 0.000151 | 0.000334 | 0.00176 | 0.0000923 |
| 2069 Oct | 0.00000372 | 1.89 | 0.00181 | 2.23 | 0.0258 | 0.000671 | 1.3 | 0.00291 | 0.00371 | 0.000046 | 0.000156 | 0.0000758 | 0.0617 | 0.0000059 | 0.000165 | 0.000342 | 0.00179 | 0.000101 |
| 2069 Nov | 0.00000374 | 1.91 | 0.00183 | 2.25 | 0.0261 | 0.000681 | 1.31 | 0.00295 | 0.00375 | 0.0000506 | 0.000157 | 0.0000765 | 0.0624 | 0.00000591 | 0.000167 | 0.000343 | 0.0018 | 0.000103 |
| 2069 Dec | 0.00000374 | 1.92 | 0.00184 | 2.25 | 0.0262 | 0.000682 | 1.31 | 0.00295 | 0.00375 | 0.0000506 | 0.000158 | 0.0000766 | 0.0625 | 0.00000591 | 0.000167 | 0.000343 | 0.0018 | 0.000103 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 86.8 | 0.0824 | 0.649 | 0.000697 | 16.7 | 0.0608 | 17.8 | 0.00000806 | 0.00649 | 0.0022 | 0.00984 | 0.0228 | 0.0000265 | 16.1 | 0.00000607 | 0.000356 | 0.000225 | 0.00067 | 0.0546 |
| Operation (Jan., 2024 to Jun., 2028): Average | 105 | 0.176 | 0.976 | 0.00112 | 21.7 | 0.0716 | 27.3 | 0.00000945 | 0.00926 | 0.00553 | 0.0138 | 0.0272 | 0.0000404 | 19.9 | 0.00000888 | 0.00107 | 0.000337 | 0.000912 | 0.0746 |
| Operation (Jan., 2024 to Jun., 2028): Max | 119 | 0.233 | 1.24 | 0.00176 | 26.2 | 0.079 | 33.4 | 0.0000104 | 0.0109 | 0.00758 | 0.0173 | 0.0306 | 0.0000523 | 22.7 | 0.0000107 | 0.00199 | 0.000438 | 0.00106 | 0.086 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 47.8 | 0.00445 | 0.119 | 0.000444 | 9.49 | 0.0361 | 5.94 | 0.00000509 | 0.00335 | 0.00045 | 0.00512 | 0.0126 | 0.0000103 | 7.17 | 0.00000275 | 0.0000629 | 0.0000848 | 0.000336 | 0.014 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 54.8 | 0.0133 | 0.2 | 0.000531 | 11.1 | 0.0415 | 8.2 | 0.00000564 | 0.00504 | 0.00107 | 0.0059 | 0.0142 | 0.0000128 | 8.26 | 0.00000379 | 0.000103 | 0.00011 | 0.00042 | 0.0222 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 99.9 | 0.168 | 0.753 | 0.000645 | 19.5 | 0.0736 | 27.3 | 0.00000898 | 0.0103 | 0.00578 | 0.0111 | 0.0262 | 0.0000306 | 19.1 | 0.00000883 | 0.000414 | 0.000265 | 0.000954 | 0.0709 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 51.9 | 0.00194 | 0.102 | 0.000422 | 10.1 | 0.0445 | 7.56 | 0.00000528 | 0.00685 | 0.00382 | 0.00523 | 0.0139 | 0.0000108 | 7.74 | 0.00000356 | 0.0000803 | 0.000124 | 0.000536 | 0.0264 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 60.7 | 0.00363 | 0.136 | 0.000584 | 11.6 | 0.0482 | 9.91 | 0.00000552 | 0.00916 | 0.00671 | 0.00549 | 0.0156 | 0.0000115 | 9.09 | 0.00000437 | 0.0000916 | 0.000142 | 0.000617 | 0.0305 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 92 | 0.00696 | 0.297 | 0.000848 | 18.6 | 0.0532 | 12.8 | 0.00000571 | 0.0104 | 0.0103 | 0.00572 | 0.0212 | 0.0000121 | 12.5 | 0.00000564 | 0.000106 | 0.000156 | 0.000688 | 0.0332 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 96.7 | 0.0891 | 0.948 | 0.00106 | 22.4 | 0.0638 | 19.1 | 0.00000951 | 0.00752 | 0.00238 | 0.0161 | 0.0259 | 0.0000521 | 17.3 | 0.00000643 | 0.00139 | 0.000436 | 0.000719 | 0.0585 |
| 2024 Feb | 96.7 | 0.0891 | 0.948 | 0.00106 | 22.4 | 0.0638 | 19.1 | 0.00000951 | 0.00752 | 0.00238 | 0.0161 | 0.0259 | 0.0000521 | 17.3 | 0.00000643 | 0.00139 | 0.000436 | 0.000719 | 0.0585 |
| 2024 Mar | 96.7 | 0.0891 | 0.948 | 0.00106 | 22.4 | 0.0638 | 19.1 | 0.00000951 | 0.00752 | 0.00238 | 0.0161 | 0.0259 | 0.0000521 | 17.3 | 0.00000643 | 0.00139 | 0.000436 | 0.000719 | 0.0585 |
| 2024 Apr | 97.2 | 0.0897 | 0.955 | 0.00107 | 22.5 | 0.064 | 19.2 | 0.00000955 | 0.00754 | 0.0024 | 0.0161 | 0.026 | 0.0000523 | 17.4 | 0.00000645 | 0.0014 | 0.000438 | 0.000722 | 0.059 |
| 2024 May | 90.5 | 0.0824 | 0.871 | 0.00108 | 20.8 | 0.0608 | 17.8 | 0.00000912 | 0.00696 | 0.0022 | 0.0151 | 0.0243 | 0.000048 | 16.1 | 0.00000607 | 0.00134 | 0.000399 | 0.000674 | 0.0546 |
| 2024 Jun | 94.1 | 0.101 | 0.914 | 0.00176 | 21.7 | 0.0626 | 19.1 | 0.00000912 | 0.00649 | 0.00252 | 0.0153 | 0.0251 | 0.0000452 | 16.9 | 0.00000611 | 0.00172 | 0.000383 | 0.00067 | 0.0623 |
| 2024 Jul | 106 | 0.126 | 1.06 | 0.0015 | 24.7 | 0.0686 | 22.2 | 0.00000985 | 0.00751 | 0.00319 | 0.0168 | 0.028 | 0.0000501 | 19.3 | 0.00000689 | 0.00199 | 0.000432 | 0.000758 | 0.0739 |
| 2024 Aug | 105 | 0.13 | 1.05 | 0.00125 | 24.2 | 0.0679 | 22.3 | 0.00000982 | 0.00784 | 0.00336 | 0.0166 | 0.0276 | 0.0000492 | 19.1 | 0.000007 | 0.00193 | 0.000423 | 0.000766 | 0.0743 |
| 2024 Sep | 93.4 | 0.124 | 0.923 | 0.000863 | 21.1 | 0.0621 | 20.8 | 0.0000091 | 0.00753 | 0.00345 | 0.0147 | 0.0244 | 0.0000428 | 17.2 | 0.00000676 | 0.00159 | 0.000358 | 0.000721 | 0.0668 |
| 2024 Oct | 102 | 0.147 | 1.04 | 0.000819 | 22.8 | 0.0669 | 23.9 | 0.00000956 | 0.00816 | 0.0043 | 0.0156 | 0.0265 | 0.0000458 | 19.1 | 0.00000766 | 0.00167 | 0.000382 | 0.000802 | 0.0737 |
| 2024 Nov | 109 | 0.163 | 1.13 | 0.000975 | 24.2 | 0.0708 | 26.2 | 0.00000992 | 0.00869 | 0.00489 | 0.0163 | 0.0283 | 0.0000482 | 20.5 | 0.00000841 | 0.00175 | 0.000403 | 0.000865 | 0.0789 |
| 2024 Dec | 112 | 0.169 | 1.16 | 0.00104 | 24.8 | 0.0722 | 27 | 0.0000101 | 0.00885 | 0.00508 | 0.0166 | 0.0289 | 0.0000491 | 21 | 0.00000862 | 0.00178 | 0.000411 | 0.000886 | 0.0808 |
| 2025 Jan | 113 | 0.172 | 1.18 | 0.00109 | 25.1 | 0.073 | 27.5 | 0.0000101 | 0.00894 | 0.0052 | 0.0167 | 0.0293 | 0.0000497 | 21.3 | 0.00000874 | 0.0018 | 0.000416 | 0.000898 | 0.082 |
| 2025 Feb | 115 | 0.175 | 1.19 | 0.00113 | 25.3 | 0.0737 | 27.9 | 0.0000102 | 0.00902 | 0.0053 | 0.0169 | 0.0296 | 0.0000501 | 21.6 | 0.00000885 | 0.00182 | 0.00042 | 0.000908 | 0.083 |
| 2025 Mar | 116 | 0.178 | 1.21 | 0.00117 | 25.6 | 0.0744 | 28.3 | 0.0000103 | 0.00911 | 0.00539 | 0.017 | 0.0299 | 0.0000506 | 21.9 | 0.00000895 | 0.00184 | 0.000424 | 0.000919 | 0.084 |
| 2025 Apr | 118 | 0.181 | 1.23 | 0.00122 | 25.9 | 0.0751 | 28.8 | 0.0000104 | 0.0092 | 0.0055 | 0.0172 | 0.0303 | 0.0000512 | 22.2 | 0.00000907 | 0.00186 | 0.000429 | 0.000931 | 0.0851 |
| 2025 May | 119 | 0.183 | 1.24 | 0.00124 | 26.2 | 0.0759 | 29.1 | 0.0000104 | 0.00929 | 0.00557 | 0.0173 | 0.0306 | 0.0000517 | 22.4 | 0.00000916 | 0.00188 | 0.000433 | 0.00094 | 0.086 |
| 2025 Jun | 95.2 | 0.138 | 0.885 | 0.000998 | 20.7 | 0.0668 | 22.7 | 0.00000897 | 0.00717 | 0.00424 | 0.0136 | 0.0255 | 0.0000393 | 17.7 | 0.0000074 | 0.00127 | 0.000328 | 0.000768 | 0.0644 |
| 2025 Jul | 110 | 0.168 | 1.03 | 0.000874 | 23.6 | 0.076 | 27 | 0.00000995 | 0.00883 | 0.00523 | 0.015 | 0.0295 | 0.0000438 | 20.7 | 0.00000853 | 0.00133 | 0.000368 | 0.000916 | 0.0788 |
| 2025 Aug | 107 | 0.167 | 1.01 | 0.000871 | 23 | 0.0744 | 26.6 | 0.00000991 | 0.00916 | 0.00524 | 0.0147 | 0.0288 | 0.0000429 | 20.3 | 0.00000851 | 0.00128 | 0.000359 | 0.000912 | 0.0784 |
| 2025 Sep | 90.4 | 0.147 | 0.829 | 0.000742 | 18.8 | 0.0641 | 23.1 | 0.00000886 | 0.00846 | 0.00473 | 0.0125 | 0.0239 | 0.0000357 | 17.2 | 0.00000769 | 0.000971 | 0.000287 | 0.000804 | 0.0663 |
| 2025 Oct | 97.5 | 0.17 | 0.909 | 0.000819 | 19.9 | 0.0683 | 26.1 | 0.00000907 | 0.0092 | 0.00559 | 0.0128 | 0.0253 | 0.0000368 | 18.7 | 0.00000906 | 0.000962 | 0.000301 | 0.000888 | 0.0703 |
| 2025 Nov | 109 | 0.198 | 1.04 | 0.00129 | 22.1 | 0.0745 | 29.9 | 0.00000962 | 0.00999 | 0.00652 | 0.0138 | 0.0281 | 0.0000403 | 21 | 0.0000101 | 0.00106 | 0.000332 | 0.000987 | 0.079 |
| 2025 Dec | 112 | 0.207 | 1.08 | 0.00146 | 22.8 | 0.0763 | 31 | 0.00000979 | 0.0102 | 0.00679 | 0.0141 | 0.0289 | 0.0000413 | 21.7 | 0.0000103 | 0.00109 | 0.000341 | 0.00101 | 0.0817 |
| 2026 Jan | 114 | 0.211 | 1.1 | 0.00154 | 23.1 | 0.0771 | 31.5 | 0.00000986 | 0.0103 | 0.00691 | 0.0143 | 0.0293 | 0.0000418 | 22 | 0.0000105 | 0.0011 | 0.000346 | 0.00103 | 0.083 |
| 2026 Feb | 115 | 0.214 | 1.11 | 0.00162 | 23.3 | 0.0778 | 31.9 | 0.00000993 | 0.0104 | 0.00702 | 0.0144 | 0.0296 | 0.0000423 | 22.3 | 0.0000106 | 0.00111 | 0.000349 | 0.00104 | 0.0841 |
| 2026 Mar | 116 | 0.217 | 1.13 | 0.00168 | 23.6 | 0.0784 | 32.3 | 0.00000999 | 0.0105 | 0.00711 | 0.0145 | 0.0299 | 0.0000426 | 22.5 | 0.0000106 | 0.00112 | 0.000352 | 0.00105 | 0.085 |
| 2026 Apr | 118 | 0.219 | 1.14 | 0.00174 | 23.8 | 0.079 | 32.7 | 0.00001 | 0.0105 | 0.0072 | 0.0146 | 0.0301 | 0.000043 | 22.7 | 0.0000107 | 0.00113 | 0.000356 | 0.00106 | 0.0859 |
| 2026 May | 117 | 0.219 | 1.13 | 0.00176 | 23.7 | 0.079 | 32.6 | 0.00001 | 0.0105 | 0.00717 | 0.0146 | 0.0301 | 0.0000429 | 22.7 | 0.0000107 | 0.00113 | 0.000354 | 0.00106 | 0.0856 |
| 2026 Jun | 88.6 | 0.146 | 0.722 | 0.00109 | 17.9 | 0.0654 | 22.8 | 0.00000833 | 0.00744 | 0.00464 | 0.0112 | 0.0239 | 0.0000314 | 16.6 | 0.00000759 | 0.0007 | 0.000258 | 0.000787 | 0.0605 |
| 2026 Jul | 106 | 0.183 | 0.9 | 0.000858 | 21.4 | 0.0747 | 27.7 | 0.00000935 | 0.00937 | 0.00575 | 0.0128 | 0.0281 | 0.0000371 | 20.1 | 0.0000089 | 0.000836 | 0.000312 | 0.000945 | 0.0778 |
| 2026 Aug | 102 | 0.179 | 0.867 | 0.000768 | 20.5 | 0.0722 | 26.9 | 0.00000922 | 0.00954 | 0.00564 | 0.0125 | 0.0269 | 0.0000359 | 19.4 | 0.00000875 | 0.000786 | 0.000302 | 0.000925 | 0.0761 |
| 2026 Sep | 100 | 0.18 | 0.861 | 0.000717 | 20.1 | 0.0712 | 26.9 | 0.00000915 | 0.00956 | 0.0057 | 0.0124 | 0.0264 | 0.0000354 | 19.2 | 0.00000878 | 0.00076 | 0.000294 | 0.00092 | 0.0753 |
| 2026 Oct | 103 | 0.187 | 0.891 | 0.000697 | 20.5 | 0.0723 | 27.9 | 0.00000926 | 0.00973 | 0.00597 | 0.0125 | 0.0269 | 0.000036 | 19.7 | 0.00000906 | 0.000766 | 0.000298 | 0.000943 | 0.0769 |
| 2026 Nov | 107 | 0.198 | 0.939 | 0.000719 | 21.2 | 0.0744 | 29.4 | 0.00000945 | 0.01 | 0.00636 | 0.0129 | 0.0278 | 0.0000371 | 20.6 | 0.00000948 | 0.000788 | 0.000307 | 0.00098 | 0.0798 |
| 2026 Dec | 107 | 0.199 | 0.945 | 0.000724 | 21.3 | 0.0746 | 29.6 | 0.00000947 | 0.01 | 0.00641 | 0.0129 | 0.0279 | 0.0000373 | 20.7 | 0.00000953 | 0.000791 | 0.000308 | 0.000984 | 0.0802 |
| 2027 Jan | 108 | 0.201 | 0.951 | 0.000729 | 21.3 | 0.0749 | 29.8 | 0.00000949 | 0.0101 | 0.00646 | 0.013 | 0.028 | 0.0000374 | 20.8 | 0.00000958 | 0.000793 | 0.000309 | 0.000988 | 0.0805 |
| 2027 Feb | 108 | 0.201 | 0.951 | 0.000729 | 21.3 | 0.0749 | 29.8 | 0.00000949 | 0.0101 | 0.00646 | 0.013 | 0.028 | 0.0000374 | 20.8 | 0.00000958 | 0.000793 | 0.000309 | 0.000988 | 0.0805 |
| 2027 Mar | 108 | 0.201 | 0.951 | 0.000729 | 21.3 | 0.0749 | 29.8 | 0.00000949 | 0.0101 | 0.00646 | 0.013 | 0.028 | 0.0000374 | 20.8 | 0.00000958 | 0.000793 | 0.000309 | 0.000988 | 0.0805 |
| 2027 Apr | 108 | 0.201 | 0.952 | 0.00073 | 21.4 | 0.0749 | 29.8 | 0.0000095 | 0.0101 | 0.00646 | 0.013 | 0.028 | 0.0000374 | 20.8 | 0.00000959 | 0.000794 | 0.000309 | 0.000989 | 0.0806 |
| 2027 May | 104 | 0.194 | 0.914 | 0.000733 | 20.6 | 0.0733 | 28.9 | 0.00000934 | 0.00976 | 0.00624 | 0.0127 | 0.0272 | 0.0000363 | 20.1 | 0.00000934 | 0.000761 | 0.000298 | 0.000961 | 0.0774 |
| 2027 Jun | 91.2 | 0.158 | 0.725 | 0.000806 | 17.8 | 0.0674 | 24.9 | 0.00000845 | 0.00803 | 0.00512 | 0.0108 | 0.0242 | 0.0000299 | 17.3 | 0.00000812 | 0.000518 | 0.000245 | 0.000832 | 0.0614 |
| 2027 Jul | 112 | 0.215 | 0.941 | 0.00114 | 21.6 | 0.0783 | 31.5 | 0.00000957 | 0.0106 | 0.00678 | 0.0124 | 0.0287 | 0.0000351 | 21.5 | 0.00000989 | 0.000609 | 0.0003 | 0.00103 | 0.08 |
| 2027 Aug | 107 | 0.209 | 0.898 | 0.00101 | 20.5 | 0.075 | 30.2 | 0.00000935 | 0.0106 | 0.00657 | 0.012 | 0.0273 | 0.0000335 | 20.5 | 0.00000961 | 0.00057 | 0.000287 | 0.001 | 0.0769 |
| 2027 Sep | 89.8 | 0.176 | 0.743 | 0.000783 | 17.1 | 0.0647 | 25.6 | 0.00000843 | 0.00933 | 0.00559 | 0.0105 | 0.0228 | 0.0000286 | 17.3 | 0.00000844 | 0.000451 | 0.000236 | 0.000863 | 0.064 |
| 2027 Oct | 92.5 | 0.187 | 0.786 | 0.000844 | 17.3 | 0.066 | 27.2 | 0.00000845 | 0.00953 | 0.00605 | 0.0105 | 0.0231 | 0.0000288 | 17.9 | 0.00000911 | 0.000434 | 0.000237 | 0.000898 | 0.0647 |
| 2027 Nov | 104 | 0.217 | 0.915 | 0.00135 | 19.5 | 0.0725 | 31.3 | 0.000009 | 0.0104 | 0.00706 | 0.0114 | 0.0259 | 0.0000318 | 20.3 | 0.0000102 | 0.000485 | 0.000265 | 0.001 | 0.0733 |
| 2027 Dec | 107 | 0.224 | 0.944 | 0.00149 | 20 | 0.0739 | 32.2 | 0.00000912 | 0.0107 | 0.00728 | 0.0116 | 0.0265 | 0.0000324 | 20.9 | 0.0000104 | 0.000497 | 0.000271 | 0.00103 | 0.0753 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 108 | 0.227 | 0.954 | 0.00155 | 20.2 | 0.0745 | 32.6 | 0.00000917 | 0.0107 | 0.00737 | 0.0117 | 0.0267 | 0.0000327 | 21.1 | 0.0000105 | 0.000502 | 0.000274 | 0.00104 | 0.076 |
| 2028 Feb | 109 | 0.229 | 0.963 | 0.0016 | 20.3 | 0.0749 | 32.8 | 0.0000092 | 0.0108 | 0.00743 | 0.0117 | 0.0269 | 0.0000329 | 21.2 | 0.0000106 | 0.000505 | 0.000276 | 0.00104 | 0.0766 |
| 2028 Mar | 110 | 0.231 | 0.971 | 0.00165 | 20.5 | 0.0753 | 33.1 | 0.00000924 | 0.0108 | 0.00749 | 0.0118 | 0.0271 | 0.0000331 | 21.4 | 0.0000106 | 0.000509 | 0.000277 | 0.00105 | 0.0772 |
| 2028 Apr | 110 | 0.232 | 0.978 | 0.00168 | 20.6 | 0.0756 | 33.3 | 0.00000927 | 0.0109 | 0.00755 | 0.0118 | 0.0272 | 0.0000333 | 21.5 | 0.0000107 | 0.000512 | 0.000279 | 0.00106 | 0.0777 |
| 2028 May | 111 | 0.233 | 0.981 | 0.00169 | 20.7 | 0.0759 | 33.4 | 0.0000093 | 0.0109 | 0.00758 | 0.0119 | 0.0273 | 0.0000334 | 21.6 | 0.0000107 | 0.000513 | 0.00028 | 0.00106 | 0.078 |
| 2028 Jun | 86.8 | 0.153 | 0.649 | 0.00099 | 16.7 | 0.0655 | 23.8 | 0.00000806 | 0.00812 | 0.00502 | 0.00984 | 0.0228 | 0.0000265 | 16.4 | 0.00000788 | 0.000356 | 0.000225 | 0.000813 | 0.0568 |
| 2028 Jul | 99.9 | 0.168 | 0.753 | 0.000617 | 19.5 | 0.0736 | 27.3 | 0.00000898 | 0.0103 | 0.00578 | 0.0111 | 0.0262 | 0.0000306 | 19.1 | 0.00000883 | 0.000414 | 0.000265 | 0.000954 | 0.0709 |
| 2028 Aug | 94.4 | 0.155 | 0.699 | 0.000616 | 18.4 | 0.0704 | 25.6 | 0.0000088 | 0.0101 | 0.00541 | 0.0108 | 0.0248 | 0.0000294 | 18 | 0.00000844 | 0.000389 | 0.000252 | 0.000912 | 0.0676 |
| 2028 Sep | 86.1 | 0.137 | 0.622 | 0.000604 | 16.8 | 0.0654 | 23.1 | 0.0000084 | 0.00952 | 0.00485 | 0.0101 | 0.0227 | 0.0000273 | 16.4 | 0.0000078 | 0.000352 | 0.00023 | 0.000842 | 0.0618 |
| 2028 Oct | 72.5 | 0.105 | 0.495 | 0.000589 | 14.1 | 0.0572 | 18.9 | 0.00000767 | 0.00854 | 0.00391 | 0.00904 | 0.0192 | 0.0000236 | 13.6 | 0.00000695 | 0.000288 | 0.000195 | 0.000729 | 0.0516 |
| 2028 Nov | 71.3 | 0.1 | 0.482 | 0.000593 | 13.9 | 0.0567 | 18.5 | 0.00000759 | 0.00854 | 0.00381 | 0.00893 | 0.0188 | 0.0000233 | 13.4 | 0.00000703 | 0.000282 | 0.000193 | 0.000723 | 0.0504 |
| 2028 Dec | 71.3 | 0.1 | 0.482 | 0.000594 | 13.9 | 0.0567 | 18.5 | 0.00000759 | 0.00854 | 0.00381 | 0.00893 | 0.0188 | 0.0000233 | 13.4 | 0.00000703 | 0.000282 | 0.000193 | 0.000723 | 0.0504 |
| 2029 Jan | 71.3 | 0.1 | 0.482 | 0.000594 | 13.9 | 0.0567 | 18.5 | 0.00000759 | 0.00854 | 0.00381 | 0.00893 | 0.0188 | 0.0000233 | 13.4 | 0.00000702 | 0.000281 | 0.000193 | 0.000722 | 0.0504 |
| 2029 Feb | 71.3 | 0.1 | 0.482 | 0.000594 | 13.9 | 0.0567 | 18.5 | 0.00000759 | 0.00853 | 0.00381 | 0.00893 | 0.0188 | 0.0000232 | 13.4 | 0.00000702 | 0.000281 | 0.000193 | 0.000722 | 0.0503 |
| 2029 Mar | 71.3 | 0.1 | 0.482 | 0.000594 | 13.9 | 0.0567 | 18.5 | 0.00000759 | 0.00853 | 0.00381 | 0.00893 | 0.0188 | 0.0000232 | 13.4 | 0.00000702 | 0.000281 | 0.000193 | 0.000722 | 0.0503 |
| 2029 Apr | 71.3 | 0.1 | 0.482 | 0.000594 | 13.9 | 0.0567 | 18.5 | 0.00000759 | 0.00854 | 0.00381 | 0.00893 | 0.0188 | 0.0000233 | 13.4 | 0.00000702 | 0.000281 | 0.000193 | 0.000722 | 0.0503 |
| 2029 May | 71.5 | 0.1 | 0.483 | 0.000596 | 14 | 0.0569 | 18.6 | 0.00000761 | 0.00855 | 0.00381 | 0.00895 | 0.0189 | 0.0000233 | 13.4 | 0.00000704 | 0.000282 | 0.000194 | 0.000724 | 0.0504 |
| 2029 Jun | 61.1 | 0.068 | 0.355 | 0.000578 | 12.1 | 0.0517 | 14.6 | 0.00000685 | 0.00642 | 0.00282 | 0.0078 | 0.0168 | 0.0000194 | 11.1 | 0.00000568 | 0.000215 | 0.000162 | 0.00059 | 0.0374 |
| 2029 Jul | 58.1 | 0.0392 | 0.307 | 0.000542 | 11.7 | 0.0495 | 12.6 | 0.00000647 | 0.00548 | 0.00231 | 0.00721 | 0.0163 | 0.0000174 | 10.2 | 0.00000486 | 0.00018 | 0.000151 | 0.000525 | 0.0315 |
| 2029 Aug | 55.6 | 0.0347 | 0.296 | 0.000521 | 11.1 | 0.0473 | 12 | 0.00000647 | 0.00596 | 0.00221 | 0.00717 | 0.0154 | 0.0000172 | 9.74 | 0.00000477 | 0.000175 | 0.000148 | 0.000517 | 0.0321 |
| 2029 Sep | 52.5 | 0.0306 | 0.277 | 0.000508 | 10.5 | 0.0449 | 11.3 | 0.00000635 | 0.00597 | 0.00206 | 0.007 | 0.0145 | 0.0000166 | 9.17 | 0.00000459 | 0.000165 | 0.000137 | 0.000498 | 0.0311 |
| 2029 Oct | 52.1 | 0.0292 | 0.277 | 0.000506 | 10.4 | 0.0444 | 11.2 | 0.00000635 | 0.00602 | 0.00204 | 0.00699 | 0.0143 | 0.0000166 | 9.1 | 0.0000046 | 0.000164 | 0.000135 | 0.000497 | 0.0312 |
| 2029 Nov | 52.1 | 0.0291 | 0.277 | 0.000506 | 10.4 | 0.0445 | 11.2 | 0.00000635 | 0.00603 | 0.00204 | 0.00699 | 0.0143 | 0.0000166 | 9.11 | 0.00000462 | 0.000164 | 0.000135 | 0.000498 | 0.0312 |
| 2029 Dec | 52.1 | 0.0291 | 0.277 | 0.000506 | 10.4 | 0.0445 | 11.2 | 0.00000635 | 0.00603 | 0.00204 | 0.00699 | 0.0143 | 0.0000166 | 9.11 | 0.00000462 | 0.000164 | 0.000135 | 0.000498 | 0.0312 |
| 2030 Jan | 52.1 | 0.0291 | 0.277 | 0.000506 | 10.4 | 0.0445 | 11.2 | 0.00000635 | 0.00603 | 0.00204 | 0.00699 | 0.0143 | 0.0000166 | 9.1 | 0.00000462 | 0.000164 | 0.000135 | 0.000498 | 0.0312 |
| 2030 Feb | 52.1 | 0.0291 | 0.277 | 0.000506 | 10.4 | 0.0445 | 11.2 | 0.00000635 | 0.00603 | 0.00204 | 0.00699 | 0.0143 | 0.0000166 | 9.1 | 0.00000462 | 0.000164 | 0.000135 | 0.000498 | 0.0312 |
| 2030 Mar | 52.1 | 0.0291 | 0.277 | 0.000506 | 10.4 | 0.0445 | 11.2 | 0.00000635 | 0.00603 | 0.00204 | 0.00699 | 0.0143 | 0.0000166 | 9.1 | 0.00000462 | 0.000164 | 0.000135 | 0.000498 | 0.0312 |
| 2030 Apr | 52.1 | 0.0291 | 0.277 | 0.000506 | 10.4 | 0.0445 | 11.2 | 0.00000635 | 0.00604 | 0.00204 | 0.00699 | 0.0143 | 0.0000166 | 9.11 | 0.00000462 | 0.000164 | 0.000135 | 0.000498 | 0.0312 |
| 2030 May | 52.4 | 0.0292 | 0.278 | 0.000508 | 10.4 | 0.0447 | 11.2 | 0.00000638 | 0.00606 | 0.00205 | 0.00702 | 0.0144 | 0.0000167 | 9.15 | 0.00000464 | 0.000165 | 0.000136 | 0.0005 | 0.0313 |
| 2030 Jun | 49.3 | 0.0164 | 0.221 | 0.000499 | 9.93 | 0.0442 | 9.66 | 0.00000595 | 0.00442 | 0.00159 | 0.00642 | 0.0141 | 0.0000148 | 8.31 | 0.00000402 | 0.000134 | 0.000122 | 0.000435 | 0.0233 |
| 2030 Jul | 53.2 | 0.0102 | 0.256 | 0.000488 | 10.7 | 0.0456 | 10.3 | 0.00000606 | 0.00481 | 0.00172 | 0.00657 | 0.0149 | 0.0000152 | 8.9 | 0.00000416 | 0.000142 | 0.000131 | 0.000458 | 0.0256 |
| 2030 Aug | 52 | 0.00753 | 0.26 | 0.000494 | 10.5 | 0.0439 | 10.1 | 0.0000061 | 0.00545 | 0.00171 | 0.00661 | 0.0144 | 0.0000153 | 8.73 | 0.00000418 | 0.000143 | 0.000133 | 0.000462 | 0.0274 |
| 2030 Sep | 51.3 | 0.00684 | 0.257 | 0.000501 | 10.3 | 0.0432 | 9.93 | 0.0000061 | 0.00561 | 0.00168 | 0.0066 | 0.0141 | 0.0000153 | 8.6 | 0.00000417 | 0.000142 | 0.000129 | 0.00046 | 0.0277 |
| 2030 Oct | 50.1 | 0.00596 | 0.247 | 0.000508 | 10.1 | 0.0428 | 9.63 | 0.00000602 | 0.00588 | 0.00161 | 0.00649 | 0.0136 | 0.0000149 | 8.38 | 0.00000463 | 0.000137 | 0.000129 | 0.000467 | 0.0267 |
| 2030 Nov | 50.5 | 0.00522 | 0.249 | 0.000518 | 10.2 | 0.0432 | 9.68 | 0.00000599 | 0.00617 | 0.00162 | 0.00647 | 0.0136 | 0.0000149 | 8.43 | 0.00000504 | 0.000137 | 0.000132 | 0.000481 | 0.0267 |
| 2030 Dec | 50.7 | 0.00521 | 0.251 | 0.000519 | 10.3 | 0.0432 | 9.72 | 0.000006 | 0.00618 | 0.00163 | 0.00648 | 0.0136 | 0.0000149 | 8.46 | 0.00000505 | 0.000137 | 0.000132 | 0.000482 | 0.0268 |
| 2031 Jan | 50.8 | 0.00521 | 0.251 | 0.000519 | 10.3 | 0.0432 | 9.73 | 0.000006 | 0.00618 | 0.00163 | 0.00648 | 0.0136 | 0.0000149 | 8.46 | 0.00000505 | 0.000138 | 0.000132 | 0.000483 | 0.0268 |
| 2031 Feb | 50.8 | 0.00521 | 0.251 | 0.000519 | 10.3 | 0.0432 | 9.73 | 0.000006 | 0.00618 | 0.00163 | 0.00648 | 0.0136 | 0.0000149 | 8.46 | 0.00000505 | 0.000138 | 0.000132 | 0.000483 | 0.0268 |
| 2031 Mar | 50.8 | 0.00522 | 0.251 | 0.000519 | 10.3 | 0.0432 | 9.73 | 0.000006 | 0.00618 | 0.00163 | 0.00648 | 0.0136 | 0.0000149 | 8.46 | 0.00000505 | 0.000138 | 0.000132 | 0.000483 | 0.0268 |
| 2031 Apr | 50.8 | 0.00523 | 0.251 | 0.00052 | 10.3 | 0.0433 | 9.74 | 0.00000601 | 0.00619 | 0.00163 | 0.00649 | 0.0137 | 0.000015 | 8.48 | 0.00000505 | 0.000138 | 0.000132 | 0.000483 | 0.0269 |
| 2031 May | 50.1 | 0.00545 | 0.243 | 0.000528 | 10 | 0.043 | 9.57 | 0.000006 | 0.006 | 0.00158 | 0.00647 | 0.0135 | 0.0000148 | 8.32 | 0.00000493 | 0.000135 | 0.000128 | 0.000475 | 0.026 |
| 2031 Jun | 49.3 | 0.00739 | 0.213 | 0.000571 | 9.56 | 0.0423 | 8.95 | 0.0000058 | 0.00454 | 0.00136 | 0.00619 | 0.0136 | 0.0000139 | 7.94 | 0.00000402 | 0.000121 | 0.000111 | 0.000427 | 0.0212 |
| 2031 Jul | 52.8 | 0.00764 | 0.233 | 0.000587 | 10.4 | 0.0446 | 9.56 | 0.000006 | 0.0047 | 0.00147 | 0.00642 | 0.0146 | 0.0000145 | 8.5 | 0.00000415 | 0.000128 | 0.000118 | 0.000447 | 0.0227 |
| 2031 Aug | 51.7 | 0.00703 | 0.227 | 0.000588 | 10.2 | 0.0438 | 9.31 | 0.00000603 | 0.00493 | 0.00143 | 0.00643 | 0.0142 | 0.0000145 | 8.34 | 0.0000041 | 0.000127 | 0.000117 | 0.000444 | 0.0232 |
| 2031 Sep | 47.8 | 0.00598 | 0.211 | 0.00056 | 9.49 | 0.0403 | 8.55 | 0.00000586 | 0.00519 | 0.00132 | 0.00623 | 0.013 | 0.000014 | 7.74 | 0.00000387 | 0.000119 | 0.000107 | 0.000423 | 0.0236 |
| 2031 Oct | 48.5 | 0.00525 | 0.214 | 0.000526 | 9.7 | 0.0408 | 8.6 | 0.00000582 | 0.00568 | 0.00132 | 0.00618 | 0.0129 | 0.0000139 | 7.82 | 0.0000045 | 0.000119 | 0.000113 | 0.000445 | 0.0238 |
| 2031 Nov | 49.4 | 0.00504 | 0.221 | 0.000518 | 9.91 | 0.0413 | 8.77 | 0.00000583 | 0.00583 | 0.00135 | 0.00621 | 0.013 | 0.000014 | 7.96 | 0.00000468 | 0.000121 | 0.000115 | 0.000454 | 0.0242 |
| 2031 Dec | 49.5 | 0.00504 | 0.222 | 0.000518 | 9.92 | 0.0413 | 8.78 | 0.00000584 | 0.00584 | 0.00136 | 0.00621 | 0.0131 | 0.000014 | 7.97 | 0.00000468 | 0.000121 | 0.000116 | 0.000455 | 0.0242 |
| 2032 Jan | 49.5 | 0.00504 | 0.222 | 0.000518 | 9.92 | 0.0413 | 8.79 | 0.00000584 | 0.00584 | 0.00136 | 0.00621 | 0.0131 | 0.000014 | 7.98 | 0.00000468 | 0.000121 | 0.000116 | 0.000455 | 0.0242 |
| 2032 Feb | 49.5 | 0.00504 | 0.222 | 0.000518 | 9.92 | 0.0413 | 8.79 | 0.00000584 | 0.00583 | 0.00136 | 0.00621 | 0.0131 | 0.000014 | 7.98 | 0.00000468 | 0.000121 | 0.000116 | 0.000455 | 0.0242 |
| 2032 Mar | 49.5 | 0.00504 | 0.222 | 0.000518 | 9.92 | 0.0413 | 8.79 | 0.00000584 | 0.00583 | 0.00136 | 0.00621 | 0.0131 | 0.000014 | 7.98 | 0.00000468 | 0.000121 | 0.000116 | 0.000455 | 0.0242 |
| 2032 Apr | 49.5 | 0.00505 | 0.222 | 0.000518 | 9.93 | 0.0413 | 8.79 | 0.00000584 | 0.00584 | 0.00136 | 0.00622 | 0.0131 | 0.000014 | 7.98 | 0.00000468 | 0.000121 | 0.000116 | 0.000455 | 0.0242 |
| 2032 May | 49.7 | 0.00507 | 0.223 | 0.00052 | 9.96 | 0.0415 | 8.82 | 0.00000586 | 0.00586 | 0.00136 | 0.00624 | 0.0131 | 0.000014 | 8.01 | 0.0000047 | 0.000122 | 0.000116 | 0.000457 | 0.0243 |
| 2032 Jun | 50.6 | 0.00729 | 0.196 | 0.000503 | 10.3 | 0.043 | 8.46 | 0.00000565 | 0.00425 | 0.0012 | 0.00597 | 0.014 | 0.0000132 | 7.99 | 0.00000388 | 0.00011 | 0.000113 | 0.000411 | 0.0199 |
| 2032 Jul | 58 | 0.00663 | 0.248 | 0.000474 | 11.8 | 0.0453 | 9.61 | 0.00000579 | 0.00466 | 0.00141 | 0.00617 | 0.0156 | 0.0000139 | 9.08 | 0.00000387 | 0.000123 | 0.000125 | 0.000443 | 0.0237 |
| 2032 Aug | 57 | 0.0056 | 0.248 | 0.000472 | 11.6 | 0.0441 | 9.42 | 0.00000583 | 0.00512 | 0.0014 | 0.00621 | 0.0151 | 0.000014 | 8.93 | 0.00000388 | 0.000123 | 0.000124 | 0.000445 | 0.025 |
| 2032 Sep | 55.6 | 0.00522 | 0.243 | 0.000474 | 11.3 | 0.043 | 9.19 | 0.00000584 | 0.00529 | 0.00137 | 0.0062 | 0.0147 | 0.0000139 | 8.73 | 0.00000384 | 0.000122 | 0.00012 | 0.000441 | 0.0252 |
| 2032 Oct | 55.1 | 0.00507 | 0.239 | 0.000475 | 11.2 | 0.0428 | 9.08 | 0.00000582 | 0.00542 | 0.00134 | 0.00619 | 0.0145 | 0.0000138 | 8.64 | 0.00000402 | 0.00012 | 0.00012 | 0.000445 | 0.025 |
| 2032 Nov | 55.1 | 0.005 | 0.239 | 0.000476 | 11.2 | 0.0429 | 9.09 | 0.00000583 | 0.00547 | 0.00134 | 0.00619 | 0.0145 | 0.0000139 | 8.64 | 0.00000408 | 0.00012 | 0.000121 | 0.000447 | 0.025 |
| 2032 Dec | 55.1 | 0.005 | 0.239 | 0.000476 | 11.2 | 0.0429 | 9.08 | 0.00000583 | 0.00547 | 0.00134 | 0.00619 | 0.0145 | 0.0000139 | 8.64 | 0.00000408 | 0.00012 | 0.000121 | 0.000447 | 0.025 |
| 2033 Jan | 55.1 | 0.00501 | 0.239 | 0.000476 | 11.2 | 0.0429 | 9.08 | 0.00000583 | 0.00547 | 0.00134 | 0.00619 | 0.0145 | 0.0000139 | 8.64 | 0.00000408 | 0.00012 | 0.000121 | 0.000447 | 0.025 |
| 2033 Feb | 55.1 | 0.00501 | 0.239 | 0.000476 | 11.2 | 0.0429 | 9.08 | 0.00000583 | 0.00547 | 0.00134 | 0.00619 | 0.0145 | 0.0000139 | 8.64 | 0.00000408 | 0.00012 | 0.000121 | 0.000447 | 0.025 |
| 2033 Mar | 55.1 | 0.00501 | 0.239 | 0.000476 | 11.2 | 0.0429 | 9.08 | 0.00000583 | 0.00547 | 0.00134 | 0.00619 | 0.0145 | 0.0000139 | 8.64 | 0.00000408 | 0.00012 | 0.000121 | 0.000447 | 0.025 |
| 2033 Apr | 55.2 | 0.00502 | 0.239 | 0.000477 | 11.2 | 0.043 | 9.1 | 0.00000584 | 0.00547 | 0.00135 | 0.0062 | 0.0145 | 0.0000139 | 8.65 | 0.00000408 | 0.00012 | 0.000121 | 0.000447 | 0.025 |
| 2033 May | 50.8 | 0.00577 | 0.205 | 0.000494 | 10 | 0.041 | 8.32 | 0.00000572 | 0.00493 | 0.00117 | 0.00602 | 0.0136 | 0.0000133 | 7.89 | 0.00000382 | 0.00011 | 0.000108 | 0.000418 | 0.0217 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 52.8 | 0.0077 | 0.203 | 0.000582 | 10.2 | 0.0413 | 8.35 | 0.00000556 | 0.00422 | 0.00111 | 0.00584 | 0.0141 | 0.0000128 | 8 | 0.00000351 | 0.000105 | 0.000101 | 0.000405 | 0.0196 |
| 2033 Jul | 56.2 | 0.00733 | 0.224 | 0.000585 | 11.1 | 0.0428 | 8.82 | 0.0000057 | 0.00459 | 0.0012 | 0.006 | 0.0148 | 0.0000132 | 8.52 | 0.00000364 | 0.000111 | 0.00011 | 0.000424 | 0.0217 |
| 2033 Aug | 55.1 | 0.00671 | 0.218 | 0.000586 | 10.9 | 0.0423 | 8.62 | 0.00000576 | 0.00487 | 0.00117 | 0.00606 | 0.0146 | 0.0000133 | 8.39 | 0.00000365 | 0.00011 | 0.000112 | 0.000424 | 0.0224 |
| 2033 Sep | 50.9 | 0.00645 | 0.197 | 0.000567 | 10.1 | 0.0395 | 7.92 | 0.00000564 | 0.00496 | 0.00107 | 0.00591 | 0.0133 | 0.0000129 | 7.77 | 0.0000035 | 0.000104 | 0.000103 | 0.000405 | 0.0221 |
| 2033 Oct | 50.2 | 0.00522 | 0.19 | 0.000571 | 10.1 | 0.0399 | 7.75 | 0.00000557 | 0.00557 | 0.00103 | 0.00582 | 0.013 | 0.0000127 | 7.66 | 0.00000441 | 0.0001 | 0.000109 | 0.000428 | 0.0215 |
| 2033 Nov | 51.4 | 0.0047 | 0.196 | 0.000582 | 10.4 | 0.0406 | 7.89 | 0.00000557 | 0.00585 | 0.00105 | 0.00582 | 0.0131 | 0.0000127 | 7.81 | 0.00000477 | 0.000101 | 0.000114 | 0.000443 | 0.0218 |
| 2033 Dec | 51.6 | 0.0047 | 0.197 | 0.000583 | 10.4 | 0.0407 | 7.92 | 0.00000557 | 0.00586 | 0.00105 | 0.00583 | 0.0132 | 0.0000127 | 7.84 | 0.00000478 | 0.000102 | 0.000114 | 0.000444 | 0.0219 |
| 2034 Jan | 51.6 | 0.0047 | 0.197 | 0.000583 | 10.4 | 0.0407 | 7.92 | 0.00000557 | 0.00586 | 0.00105 | 0.00583 | 0.0132 | 0.0000127 | 7.85 | 0.00000477 | 0.000102 | 0.000114 | 0.000444 | 0.0219 |
| 2034 Feb | 51.6 | 0.00471 | 0.197 | 0.000584 | 10.4 | 0.0407 | 7.92 | 0.00000557 | 0.00586 | 0.00105 | 0.00583 | 0.0132 | 0.0000127 | 7.85 | 0.00000477 | 0.000102 | 0.000114 | 0.000444 | 0.0219 |
| 2034 Mar | 51.6 | 0.00471 | 0.197 | 0.000584 | 10.4 | 0.0407 | 7.92 | 0.00000557 | 0.00586 | 0.00105 | 0.00583 | 0.0132 | 0.0000127 | 7.85 | 0.00000477 | 0.000102 | 0.000114 | 0.000444 | 0.0219 |
| 2034 Apr | 51.7 | 0.00471 | 0.197 | 0.000584 | 10.5 | 0.0407 | 7.93 | 0.00000558 | 0.00587 | 0.00105 | 0.00584 | 0.0132 | 0.0000127 | 7.86 | 0.00000478 | 0.000102 | 0.000114 | 0.000444 | 0.0219 |
| 2034 May | 50.9 | 0.00499 | 0.191 | 0.000588 | 10.2 | 0.0405 | 7.81 | 0.00000559 | 0.00569 | 0.00102 | 0.00583 | 0.0131 | 0.0000127 | 7.73 | 0.00000466 | 0.0001 | 0.000111 | 0.000437 | 0.0212 |
| 2034 Jun | 51 | 0.00766 | 0.172 | 0.000616 | 10 | 0.0406 | 7.57 | 0.00000543 | 0.00403 | 0.000911 | 0.00563 | 0.0136 | 0.0000121 | 7.6 | 0.00000349 | 0.0000924 | 0.000098 | 0.000386 | 0.0174 |
| 2034 Jul | 56.2 | 0.00759 | 0.201 | 0.000635 | 11.2 | 0.0428 | 8.27 | 0.00000559 | 0.00432 | 0.00102 | 0.00582 | 0.0148 | 0.0000126 | 8.36 | 0.00000358 | 0.0000998 | 0.000107 | 0.00041 | 0.0197 |
| 2034 Aug | 56.4 | 0.00744 | 0.2 | 0.000645 | 11.3 | 0.0432 | 8.28 | 0.0000057 | 0.00449 | 0.00102 | 0.00594 | 0.0149 | 0.0000128 | 8.39 | 0.00000363 | 0.000101 | 0.000109 | 0.000415 | 0.0202 |
| 2034 Sep | 54.2 | 0.00735 | 0.192 | 0.000634 | 10.8 | 0.0416 | 7.96 | 0.00000566 | 0.00458 | 0.00098 | 0.00588 | 0.0142 | 0.0000127 | 8.08 | 0.00000355 | 0.0000983 | 0.000104 | 0.000406 | 0.0203 |
| 2034 Oct | 51.5 | 0.00682 | 0.179 | 0.000608 | 10.3 | 0.0401 | 7.55 | 0.00000555 | 0.00487 | 0.000922 | 0.00576 | 0.0134 | 0.0000124 | 7.69 | 0.0000038 | 0.0000942 | 0.000102 | 0.000405 | 0.0201 |
| 2034 Nov | 52 | 0.00664 | 0.182 | 0.000604 | 10.4 | 0.0403 | 7.61 | 0.00000556 | 0.00497 | 0.000932 | 0.00577 | 0.0134 | 0.0000124 | 7.76 | 0.0000039 | 0.0000949 | 0.000104 | 0.00041 | 0.0203 |
| 2034 Dec | 52 | 0.00664 | 0.183 | 0.000604 | 10.5 | 0.0403 | 7.61 | 0.00000556 | 0.00497 | 0.000933 | 0.00577 | 0.0134 | 0.0000124 | 7.77 | 0.0000039 | 0.0000949 | 0.000104 | 0.00041 | 0.0203 |
| 2035 Jan | 52 | 0.00664 | 0.183 | 0.000604 | 10.5 | 0.0403 | 7.61 | 0.00000556 | 0.00497 | 0.000933 | 0.00577 | 0.0134 | 0.0000124 | 7.77 | 0.0000039 | 0.0000949 | 0.000104 | 0.00041 | 0.0203 |
| 2035 Feb | 52 | 0.00665 | 0.183 | 0.000604 | 10.4 | 0.0403 | 7.61 | 0.00000556 | 0.00497 | 0.000933 | 0.00577 | 0.0134 | 0.0000124 | 7.77 | 0.0000039 | 0.0000949 | 0.000104 | 0.00041 | 0.0203 |
| 2035 Mar | 52 | 0.00665 | 0.183 | 0.000604 | 10.5 | 0.0403 | 7.61 | 0.00000556 | 0.00497 | 0.000933 | 0.00577 | 0.0134 | 0.0000124 | 7.77 | 0.0000039 | 0.0000949 | 0.000104 | 0.00041 | 0.0203 |
| 2035 Apr | 52.1 | 0.00665 | 0.183 | 0.000605 | 10.5 | 0.0404 | 7.62 | 0.00000557 | 0.00498 | 0.000934 | 0.00578 | 0.0135 | 0.0000124 | 7.77 | 0.00000391 | 0.0000951 | 0.000104 | 0.000411 | 0.0204 |
| 2035 May | 52.3 | 0.00671 | 0.183 | 0.000608 | 10.5 | 0.0406 | 7.66 | 0.00000561 | 0.005 | 0.000938 | 0.00582 | 0.0135 | 0.0000125 | 7.81 | 0.00000393 | 0.0000956 | 0.000105 | 0.000413 | 0.0204 |
| 2035 Jun | 51.8 | 0.00789 | 0.161 | 0.000526 | 10.5 | 0.0414 | 7.34 | 0.00000538 | 0.00368 | 0.000826 | 0.00555 | 0.014 | 0.0000118 | 7.67 | 0.00000329 | 0.0000863 | 0.000101 | 0.000373 | 0.0166 |
| 2035 Jul | 58.4 | 0.00766 | 0.195 | 0.000508 | 12 | 0.0441 | 8.16 | 0.00000555 | 0.00399 | 0.000944 | 0.00575 | 0.0154 | 0.0000123 | 8.59 | 0.0000034 | 0.0000944 | 0.000111 | 0.000401 | 0.019 |
| 2035 Aug | 57.3 | 0.00707 | 0.191 | 0.000509 | 11.7 | 0.0434 | 7.99 | 0.00000561 | 0.00426 | 0.000927 | 0.0058 | 0.0151 | 0.0000124 | 8.44 | 0.00000341 | 0.0000941 | 0.000109 | 0.000402 | 0.0196 |
| 2035 Sep | 52.1 | 0.00649 | 0.174 | 0.000491 | 10.6 | 0.0396 | 7.27 | 0.00000549 | 0.00458 | 0.000843 | 0.00566 | 0.0135 | 0.000012 | 7.7 | 0.00000327 | 0.0000891 | 0.000098 | 0.000384 | 0.02 |
| 2035 Oct | 51.6 | 0.00594 | 0.174 | 0.000496 | 10.5 | 0.039 | 7.18 | 0.00000544 | 0.00502 | 0.000831 | 0.00561 | 0.0131 | 0.0000119 | 7.61 | 0.0000037 | 0.0000883 | 0.0000993 | 0.000397 | 0.0204 |
| 2035 Nov | 52.8 | 0.00543 | 0.18 | 0.000502 | 10.8 | 0.0396 | 7.32 | 0.00000543 | 0.00529 | 0.000849 | 0.00561 | 0.0133 | 0.0000119 | 7.75 | 0.00000404 | 0.0000892 | 0.000103 | 0.000411 | 0.0206 |
| 2035 Dec | 52.9 | 0.00542 | 0.181 | 0.000503 | 10.8 | 0.0396 | 7.34 | 0.00000544 | 0.0053 | 0.000852 | 0.00561 | 0.0133 | 0.0000119 | 7.78 | 0.00000404 | 0.0000895 | 0.000103 | 0.000412 | 0.0207 |
| 2036 Jan | 53 | 0.00542 | 0.181 | 0.000503 | 10.8 | 0.0396 | 7.34 | 0.00000544 | 0.0053 | 0.000853 | 0.00561 | 0.0133 | 0.0000119 | 7.78 | 0.00000404 | 0.0000895 | 0.000103 | 0.000412 | 0.0207 |
| 2036 Feb | 53 | 0.00542 | 0.181 | 0.000503 | 10.8 | 0.0396 | 7.34 | 0.00000544 | 0.0053 | 0.000853 | 0.00561 | 0.0133 | 0.0000119 | 7.78 | 0.00000404 | 0.0000895 | 0.000103 | 0.000412 | 0.0207 |
| 2036 Mar | 53 | 0.00542 | 0.181 | 0.000503 | 10.8 | 0.0396 | 7.34 | 0.00000544 | 0.0053 | 0.000853 | 0.00561 | 0.0133 | 0.0000119 | 7.78 | 0.00000404 | 0.0000895 | 0.000103 | 0.000412 | 0.0207 |
| 2036 Apr | 53 | 0.00543 | 0.182 | 0.000504 | 10.8 | 0.0397 | 7.35 | 0.00000545 | 0.00531 | 0.000854 | 0.00562 | 0.0133 | 0.000012 | 7.79 | 0.00000404 | 0.0000896 | 0.000104 | 0.000413 | 0.0207 |
| 2036 May | 53.4 | 0.00548 | 0.183 | 0.000508 | 10.9 | 0.04 | 7.41 | 0.00000549 | 0.00535 | 0.00086 | 0.00566 | 0.0134 | 0.0000121 | 7.85 | 0.00000407 | 0.0000903 | 0.000104 | 0.000416 | 0.0209 |
| 2036 Jun | 51.4 | 0.00744 | 0.151 | 0.000509 | 10.6 | 0.041 | 7.01 | 0.00000533 | 0.00382 | 0.000746 | 0.00547 | 0.0138 | 0.0000115 | 7.55 | 0.00000337 | 0.0000813 | 0.000101 | 0.00037 | 0.0163 |
| 2036 Jul | 57.5 | 0.00713 | 0.182 | 0.000523 | 11.9 | 0.0429 | 7.68 | 0.00000542 | 0.00397 | 0.00083 | 0.00557 | 0.0151 | 0.0000118 | 8.35 | 0.00000328 | 0.0000869 | 0.000109 | 0.000388 | 0.0183 |
| 2036 Aug | 57.1 | 0.00659 | 0.182 | 0.000535 | 11.8 | 0.0426 | 7.61 | 0.0000055 | 0.00428 | 0.000828 | 0.00565 | 0.015 | 0.0000119 | 8.3 | 0.00000331 | 0.0000876 | 0.000109 | 0.000392 | 0.0192 |
| 2036 Sep | 55.2 | 0.00633 | 0.176 | 0.000539 | 11.4 | 0.0413 | 7.36 | 0.00000549 | 0.00443 | 0.000801 | 0.00564 | 0.0144 | 0.0000119 | 8.04 | 0.00000327 | 0.0000863 | 0.000105 | 0.000387 | 0.0194 |
| 2036 Oct | 52.2 | 0.00606 | 0.165 | 0.000531 | 10.7 | 0.0394 | 6.98 | 0.00000541 | 0.00477 | 0.000754 | 0.00555 | 0.0134 | 0.0000117 | 7.61 | 0.00000354 | 0.0000834 | 0.000101 | 0.000387 | 0.0194 |
| 2036 Nov | 52.9 | 0.00589 | 0.169 | 0.000528 | 10.8 | 0.0397 | 7.06 | 0.00000542 | 0.00489 | 0.000765 | 0.00556 | 0.0135 | 0.0000117 | 7.7 | 0.00000364 | 0.0000841 | 0.000102 | 0.000393 | 0.0196 |
| 2036 Dec | 52.9 | 0.00589 | 0.169 | 0.000528 | 10.9 | 0.0397 | 7.07 | 0.00000542 | 0.00489 | 0.000766 | 0.00556 | 0.0135 | 0.0000117 | 7.7 | 0.00000365 | 0.0000842 | 0.000102 | 0.000394 | 0.0196 |
| 2037 Jan | 52.9 | 0.00589 | 0.169 | 0.000527 | 10.9 | 0.0397 | 7.07 | 0.00000542 | 0.00489 | 0.000766 | 0.00556 | 0.0135 | 0.0000117 | 7.7 | 0.00000365 | 0.0000842 | 0.000102 | 0.000394 | 0.0196 |
| 2037 Feb | 52.9 | 0.00589 | 0.169 | 0.000527 | 10.9 | 0.0397 | 7.07 | 0.00000542 | 0.00489 | 0.000766 | 0.00556 | 0.0135 | 0.0000117 | 7.7 | 0.00000364 | 0.0000842 | 0.000102 | 0.000394 | 0.0196 |
| 2037 Mar | 53 | 0.00589 | 0.169 | 0.000527 | 10.9 | 0.0397 | 7.07 | 0.00000542 | 0.00489 | 0.000766 | 0.00556 | 0.0135 | 0.0000117 | 7.7 | 0.00000365 | 0.0000842 | 0.000102 | 0.000394 | 0.0196 |
| 2037 Apr | 53 | 0.0059 | 0.169 | 0.000528 | 10.9 | 0.0397 | 7.07 | 0.00000542 | 0.00489 | 0.000766 | 0.00556 | 0.0135 | 0.0000117 | 7.71 | 0.00000365 | 0.0000842 | 0.000102 | 0.000394 | 0.0196 |
| 2037 May | 50 | 0.00635 | 0.152 | 0.000514 | 9.97 | 0.0386 | 6.73 | 0.00000537 | 0.00448 | 0.000703 | 0.0055 | 0.013 | 0.0000115 | 7.25 | 0.00000345 | 0.0000805 | 0.0000937 | 0.000376 | 0.0176 |
| 2037 Jun | 55.5 | 0.00815 | 0.169 | 0.000477 | 11 | 0.0404 | 7.22 | 0.00000523 | 0.00378 | 0.00072 | 0.00535 | 0.0144 | 0.0000112 | 7.87 | 0.00000306 | 0.0000801 | 0.0000933 | 0.000371 | 0.0166 |
| 2037 Jul | 61.1 | 0.00766 | 0.197 | 0.000467 | 12.4 | 0.0424 | 7.8 | 0.00000535 | 0.00415 | 0.000798 | 0.00549 | 0.0156 | 0.0000115 | 8.64 | 0.00000316 | 0.0000854 | 0.000104 | 0.000394 | 0.019 |
| 2037 Aug | 60 | 0.00714 | 0.193 | 0.000476 | 12.2 | 0.042 | 7.66 | 0.00000542 | 0.00439 | 0.000785 | 0.00556 | 0.0153 | 0.0000117 | 8.51 | 0.00000319 | 0.0000854 | 0.000105 | 0.000395 | 0.0195 |
| 2037 Sep | 58.9 | 0.007 | 0.187 | 0.000483 | 11.9 | 0.0416 | 7.52 | 0.00000546 | 0.0045 | 0.00077 | 0.00559 | 0.015 | 0.0000117 | 8.38 | 0.00000319 | 0.0000849 | 0.000103 | 0.000393 | 0.0197 |
| 2037 Oct | 56.7 | 0.0067 | 0.177 | 0.000484 | 11.5 | 0.0408 | 7.27 | 0.00000543 | 0.00466 | 0.000739 | 0.00556 | 0.0144 | 0.0000116 | 8.09 | 0.0000034 | 0.0000829 | 0.000102 | 0.000394 | 0.0193 |
| 2037 Nov | 56.4 | 0.00648 | 0.176 | 0.000484 | 11.5 | 0.0408 | 7.23 | 0.00000543 | 0.00477 | 0.000735 | 0.00555 | 0.0143 | 0.0000116 | 8.05 | 0.00000354 | 0.0000825 | 0.000103 | 0.000397 | 0.0193 |
| 2037 Dec | 56.4 | 0.00648 | 0.176 | 0.000484 | 11.5 | 0.0408 | 7.23 | 0.00000543 | 0.00477 | 0.000735 | 0.00555 | 0.0143 | 0.0000116 | 8.05 | 0.00000354 | 0.0000826 | 0.000103 | 0.000397 | 0.0193 |
| 2038 Jan | 56.4 | 0.00648 | 0.176 | 0.000484 | 11.5 | 0.0408 | 7.23 | 0.00000543 | 0.00477 | 0.000735 | 0.00555 | 0.0143 | 0.0000116 | 8.05 | 0.00000354 | 0.0000826 | 0.000103 | 0.000397 | 0.0193 |
| 2038 Feb | 56.4 | 0.00648 | 0.176 | 0.000484 | 11.5 | 0.0408 | 7.23 | 0.00000543 | 0.00477 | 0.000734 | 0.00555 | 0.0143 | 0.0000116 | 8.05 | 0.00000354 | 0.0000825 | 0.000103 | 0.000397 | 0.0193 |
| 2038 Mar | 56.4 | 0.00648 | 0.176 | 0.000484 | 11.5 | 0.0408 | 7.23 | 0.00000543 | 0.00477 | 0.000734 | 0.00555 | 0.0143 | 0.0000116 | 8.05 | 0.00000354 | 0.0000825 | 0.000103 | 0.000397 | 0.0193 |
| 2038 Apr | 56.5 | 0.00648 | 0.176 | 0.000485 | 11.5 | 0.0408 | 7.23 | 0.00000543 | 0.00477 | 0.000735 | 0.00555 | 0.0143 | 0.0000116 | 8.05 | 0.00000355 | 0.0000826 | 0.000103 | 0.000397 | 0.0193 |
| 2038 May | 53.7 | 0.00671 | 0.161 | 0.000494 | 10.8 | 0.0399 | 6.93 | 0.00000541 | 0.00454 | 0.000688 | 0.00552 | 0.0138 | 0.0000115 | 7.66 | 0.00000344 | 0.0000798 | 0.0000978 | 0.000384 | 0.0179 |
| 2038 Jun | 53.5 | 0.00788 | 0.155 | 0.000586 | 10.5 | 0.0394 | 6.85 | 0.00000525 | 0.00382 | 0.000642 | 0.00535 | 0.0139 | 0.0000111 | 7.54 | 0.00000305 | 0.0000761 | 0.0000888 | 0.000365 | 0.0158 |
| 2038 Jul | 57.1 | 0.00804 | 0.169 | 0.000601 | 11.3 | 0.0414 | 7.24 | 0.00000542 | 0.00401 | 0.000685 | 0.00553 | 0.0147 | 0.0000115 | 8.03 | 0.00000315 | 0.0000797 | 0.0000955 | 0.000381 | 0.017 |
| 2038 Aug | 56.5 | 0.00759 | 0.166 | 0.000605 | 11.2 | 0.0412 | 7.15 | 0.00000551 | 0.00426 | 0.00068 | 0.00561 | 0.0146 | 0.0000116 | 7.97 | 0.00000318 | 0.0000802 | 0.0000963 | 0.000384 | 0.0177 |
| 2038 Sep | 54.8 | 0.00753 | 0.16 | 0.000598 | 10.9 | 0.0402 | 6.95 | 0.0000055 | 0.00434 | 0.00066 | 0.0056 | 0.0141 | 0.0000116 | 7.76 | 0.00000315 | 0.0000791 | 0.0000939 | 0.000379 | 0.0179 |
| 2038 Oct | 52 | 0.00734 | 0.149 | 0.000581 | 10.4 | 0.0388 | 6.62 | 0.00000542 | 0.00448 | 0.000626 | 0.00551 | 0.0133 | 0.0000114 | 7.4 | 0.00000326 | 0.0000766 | 0.0000915 | 0.000374 | 0.0177 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 52.2 | 0.00731 | 0.15 | 0.000581 | 10.4 | 0.0389 | 6.63 | 0.00000542 | 0.0045 | 0.000628 | 0.00551 | 0.0134 | 0.0000114 | 7.42 | 0.00000328 | 0.0000767 | 0.0000919 | 0.000375 | 0.0178 |
| 2038 Dec | 52.2 | 0.00731 | 0.15 | 0.000581 | 10.4 | 0.0389 | 6.63 | 0.00000542 | 0.0045 | 0.000627 | 0.00551 | 0.0133 | 0.0000114 | 7.42 | 0.00000328 | 0.0000767 | 0.0000919 | 0.000375 | 0.0178 |
| 2039 Jan | 52.2 | 0.00731 | 0.15 | 0.000581 | 10.4 | 0.0389 | 6.63 | 0.00000542 | 0.0045 | 0.000627 | 0.00551 | 0.0133 | 0.0000114 | 7.41 | 0.00000328 | 0.0000767 | 0.0000919 | 0.000375 | 0.0178 |
| 2039 Feb | 52.2 | 0.00731 | 0.15 | 0.000581 | 10.4 | 0.0389 | 6.63 | 0.00000542 | 0.0045 | 0.000627 | 0.00551 | 0.0133 | 0.0000114 | 7.41 | 0.00000328 | 0.0000767 | 0.0000919 | 0.000375 | 0.0178 |
| 2039 Mar | 52.2 | 0.00731 | 0.15 | 0.000581 | 10.4 | 0.0389 | 6.63 | 0.00000542 | 0.0045 | 0.000627 | 0.00551 | 0.0133 | 0.0000114 | 7.42 | 0.00000328 | 0.0000767 | 0.0000919 | 0.000375 | 0.0178 |
| 2039 Apr | 52.2 | 0.00732 | 0.15 | 0.000582 | 10.4 | 0.0389 | 6.64 | 0.00000543 | 0.00451 | 0.000628 | 0.00552 | 0.0134 | 0.0000114 | 7.42 | 0.00000329 | 0.0000768 | 0.0000919 | 0.000375 | 0.0178 |
| 2039 May | 52.4 | 0.00735 | 0.151 | 0.000584 | 10.5 | 0.0391 | 6.67 | 0.00000545 | 0.00453 | 0.000631 | 0.00554 | 0.0134 | 0.0000115 | 7.45 | 0.0000033 | 0.0000771 | 0.0000924 | 0.000377 | 0.0179 |
| 2039 Jun | 51.7 | 0.00813 | 0.132 | 0.000533 | 10.6 | 0.0406 | 6.52 | 0.00000526 | 0.00344 | 0.000584 | 0.00533 | 0.0138 | 0.000011 | 7.4 | 0.000003 | 0.0000714 | 0.0000955 | 0.00035 | 0.0147 |
| 2039 Jul | 57.3 | 0.00668 | 0.164 | 0.000543 | 11.8 | 0.0415 | 7.01 | 0.00000531 | 0.00401 | 0.000646 | 0.00539 | 0.0149 | 0.0000111 | 8.11 | 0.00000302 | 0.0000758 | 0.000105 | 0.000371 | 0.0176 |
| 2039 Aug | 56.7 | 0.00562 | 0.167 | 0.000556 | 11.7 | 0.0406 | 6.89 | 0.00000539 | 0.00454 | 0.000644 | 0.00548 | 0.0146 | 0.0000113 | 8.02 | 0.00000306 | 0.0000769 | 0.000107 | 0.000377 | 0.0191 |
| 2039 Sep | 55 | 0.00574 | 0.16 | 0.000552 | 11.3 | 0.0397 | 6.71 | 0.0000054 | 0.00462 | 0.000625 | 0.00549 | 0.0141 | 0.0000113 | 7.79 | 0.00000305 | 0.0000761 | 0.000103 | 0.000373 | 0.0192 |
| 2039 Oct | 54.2 | 0.00587 | 0.158 | 0.000547 | 11.1 | 0.0391 | 6.62 | 0.00000539 | 0.00465 | 0.000615 | 0.00547 | 0.0139 | 0.0000113 | 7.68 | 0.00000304 | 0.0000756 | 0.000101 | 0.000371 | 0.0192 |
| 2039 Nov | 54.2 | 0.00587 | 0.158 | 0.000548 | 11.1 | 0.0391 | 6.62 | 0.0000054 | 0.00465 | 0.000615 | 0.00548 | 0.0139 | 0.0000113 | 7.68 | 0.00000304 | 0.0000757 | 0.000101 | 0.000372 | 0.0192 |
| 2039 Dec | 54.2 | 0.00588 | 0.158 | 0.000548 | 11.1 | 0.0391 | 6.62 | 0.0000054 | 0.00465 | 0.000615 | 0.00548 | 0.0139 | 0.0000113 | 7.68 | 0.00000304 | 0.0000757 | 0.000101 | 0.000372 | 0.0192 |
| 2040 Jan | 54.2 | 0.00588 | 0.158 | 0.000548 | 11.1 | 0.0391 | 6.62 | 0.0000054 | 0.00465 | 0.000615 | 0.00548 | 0.0139 | 0.0000113 | 7.68 | 0.00000304 | 0.0000757 | 0.000101 | 0.000372 | 0.0192 |
| 2040 Feb | 54.2 | 0.00588 | 0.158 | 0.000548 | 11.1 | 0.0391 | 6.62 | 0.0000054 | 0.00465 | 0.000615 | 0.00548 | 0.0139 | 0.0000113 | 7.68 | 0.00000304 | 0.0000757 | 0.000101 | 0.000372 | 0.0192 |
| 2040 Mar | 54.2 | 0.00588 | 0.158 | 0.000548 | 11.1 | 0.0391 | 6.62 | 0.0000054 | 0.00465 | 0.000615 | 0.00548 | 0.0139 | 0.0000113 | 7.68 | 0.00000304 | 0.0000757 | 0.000101 | 0.000372 | 0.0192 |
| 2040 Apr | 54.2 | 0.00588 | 0.158 | 0.000548 | 11.1 | 0.0391 | 6.62 | 0.0000054 | 0.00465 | 0.000615 | 0.00548 | 0.0139 | 0.0000113 | 7.68 | 0.00000305 | 0.0000757 | 0.000101 | 0.000372 | 0.0192 |
| 2040 May | 53 | 0.00604 | 0.151 | 0.000546 | 10.8 | 0.0388 | 6.51 | 0.0000054 | 0.00455 | 0.000598 | 0.00547 | 0.0136 | 0.0000113 | 7.51 | 0.00000303 | 0.0000748 | 0.0000985 | 0.000367 | 0.0186 |
| 2040 Jun | 52.9 | 0.0076 | 0.141 | 0.000528 | 10.5 | 0.0394 | 6.52 | 0.00000521 | 0.0036 | 0.000557 | 0.00528 | 0.0138 | 0.0000108 | 7.41 | 0.00000289 | 0.0000706 | 0.0000891 | 0.000352 | 0.0149 |
| 2040 Jul | 58.6 | 0.00724 | 0.167 | 0.000518 | 11.8 | 0.0414 | 7.06 | 0.00000532 | 0.00394 | 0.000617 | 0.00539 | 0.015 | 0.0000111 | 8.16 | 0.00000299 | 0.0000748 | 0.0000981 | 0.000374 | 0.017 |
| 2040 Aug | 57.1 | 0.00636 | 0.164 | 0.000511 | 11.6 | 0.0405 | 6.86 | 0.00000537 | 0.00432 | 0.000607 | 0.00544 | 0.0146 | 0.0000112 | 7.98 | 0.000003 | 0.0000749 | 0.0000999 | 0.000374 | 0.018 |
| 2040 Sep | 54.1 | 0.00562 | 0.155 | 0.000497 | 11 | 0.0386 | 6.49 | 0.00000533 | 0.00458 | 0.000578 | 0.0054 | 0.0137 | 0.0000111 | 7.59 | 0.00000297 | 0.0000732 | 0.0000938 | 0.000367 | 0.0185 |
| 2040 Oct | 54.5 | 0.00565 | 0.156 | 0.000498 | 11.1 | 0.0387 | 6.53 | 0.00000536 | 0.00463 | 0.000582 | 0.00543 | 0.0138 | 0.0000111 | 7.64 | 0.00000299 | 0.0000737 | 0.0000941 | 0.000369 | 0.0187 |
| 2040 Nov | 54.5 | 0.00566 | 0.156 | 0.000499 | 11.1 | 0.0387 | 6.53 | 0.00000536 | 0.00463 | 0.000582 | 0.00543 | 0.0138 | 0.0000111 | 7.64 | 0.00000299 | 0.0000737 | 0.0000942 | 0.000369 | 0.0187 |
| 2040 Dec | 54.5 | 0.00566 | 0.156 | 0.000499 | 11.1 | 0.0387 | 6.53 | 0.00000536 | 0.00463 | 0.000582 | 0.00543 | 0.0138 | 0.0000111 | 7.64 | 0.00000299 | 0.0000737 | 0.0000942 | 0.000369 | 0.0187 |
| 2041 Jan | 54.5 | 0.00566 | 0.156 | 0.000499 | 11.1 | 0.0387 | 6.53 | 0.00000536 | 0.00463 | 0.000582 | 0.00543 | 0.0138 | 0.0000111 | 7.64 | 0.00000299 | 0.0000737 | 0.0000942 | 0.000369 | 0.0187 |
| 2041 Feb | 54.5 | 0.00566 | 0.156 | 0.000499 | 11.1 | 0.0387 | 6.53 | 0.00000536 | 0.00463 | 0.000582 | 0.00543 | 0.0138 | 0.0000111 | 7.64 | 0.00000299 | 0.0000737 | 0.0000942 | 0.000369 | 0.0187 |
| 2041 Mar | 54.5 | 0.00567 | 0.156 | 0.000499 | 11.1 | 0.0387 | 6.53 | 0.00000537 | 0.00463 | 0.000582 | 0.00543 | 0.0138 | 0.0000111 | 7.64 | 0.00000299 | 0.0000737 | 0.0000942 | 0.000369 | 0.0187 |
| 2041 Apr | 54.5 | 0.00567 | 0.156 | 0.000499 | 11.1 | 0.0387 | 6.53 | 0.00000537 | 0.00463 | 0.000582 | 0.00543 | 0.0138 | 0.0000111 | 7.64 | 0.00000299 | 0.0000737 | 0.0000942 | 0.000369 | 0.0187 |
| 2041 May | 54.4 | 0.00573 | 0.155 | 0.000501 | 11 | 0.0388 | 6.53 | 0.00000538 | 0.00462 | 0.00058 | 0.00545 | 0.0138 | 0.0000112 | 7.62 | 0.0000738 | 0.0000939 | 0.0000939 | 0.000369 | 0.0186 |
| 2041 Jun | 51.7 | 0.00725 | 0.13 | 0.000488 | 10.6 | 0.0397 | 6.3 | 0.00000525 | 0.00364 | 0.000533 | 0.00531 | 0.0137 | 0.0000108 | 7.32 | 0.00000288 | 0.0000688 | 0.0000936 | 0.000346 | 0.0152 |
| 2041 Jul | 57.5 | 0.00687 | 0.156 | 0.000464 | 11.9 | 0.0415 | 6.82 | 0.00000527 | 0.00384 | 0.00058 | 0.00533 | 0.0149 | 0.0000109 | 8.05 | 0.00000292 | 0.0000716 | 0.000102 | 0.000364 | 0.0167 |
| 2041 Aug | 55.2 | 0.00508 | 0.156 | 0.000471 | 11.4 | 0.0391 | 6.47 | 0.00000529 | 0.00458 | 0.000562 | 0.00534 | 0.0141 | 0.0000109 | 7.72 | 0.00000293 | 0.0000717 | 0.000102 | 0.000365 | 0.0187 |
| 2041 Sep | 54.3 | 0.00502 | 0.154 | 0.00048 | 11.2 | 0.0383 | 6.37 | 0.00000529 | 0.00471 | 0.000555 | 0.00535 | 0.0138 | 0.0000109 | 7.61 | 0.00000293 | 0.0000715 | 0.000098 | 0.000364 | 0.0191 |
| 2041 Oct | 53.2 | 0.00541 | 0.152 | 0.00049 | 10.9 | 0.0373 | 6.26 | 0.00000525 | 0.00476 | 0.000542 | 0.00531 | 0.0133 | 0.0000108 | 7.44 | 0.00000293 | 0.0000708 | 0.0000935 | 0.000362 | 0.0192 |
| 2041 Nov | 53.6 | 0.00539 | 0.154 | 0.000492 | 11 | 0.0374 | 6.3 | 0.00000526 | 0.00479 | 0.000546 | 0.00532 | 0.0134 | 0.0000109 | 7.49 | 0.00000295 | 0.0000711 | 0.0000939 | 0.000364 | 0.0193 |
| 2041 Dec | 53.6 | 0.00539 | 0.154 | 0.000493 | 11 | 0.0374 | 6.3 | 0.00000526 | 0.00479 | 0.000546 | 0.00532 | 0.0134 | 0.0000109 | 7.49 | 0.00000295 | 0.0000711 | 0.0000939 | 0.000364 | 0.0193 |
| 2042 Jan | 53.6 | 0.00539 | 0.154 | 0.000493 | 11 | 0.0374 | 6.3 | 0.00000526 | 0.00479 | 0.000546 | 0.00532 | 0.0134 | 0.0000109 | 7.49 | 0.00000295 | 0.0000711 | 0.0000939 | 0.000364 | 0.0193 |
| 2042 Feb | 53.6 | 0.00539 | 0.154 | 0.000493 | 11 | 0.0374 | 6.3 | 0.00000526 | 0.00479 | 0.000546 | 0.00532 | 0.0134 | 0.0000109 | 7.49 | 0.00000295 | 0.0000711 | 0.0000939 | 0.000364 | 0.0193 |
| 2042 Mar | 53.6 | 0.00539 | 0.154 | 0.000493 | 11 | 0.0374 | 6.3 | 0.00000526 | 0.00479 | 0.000546 | 0.00532 | 0.0134 | 0.0000109 | 7.49 | 0.00000295 | 0.0000711 | 0.0000939 | 0.000364 | 0.0193 |
| 2042 Apr | 53.7 | 0.0054 | 0.154 | 0.000493 | 11 | 0.0374 | 6.3 | 0.00000527 | 0.0048 | 0.000546 | 0.00533 | 0.0134 | 0.0000109 | 7.5 | 0.00000296 | 0.0000712 | 0.000094 | 0.000365 | 0.0194 |
| 2042 May | 53.7 | 0.0055 | 0.153 | 0.000498 | 11 | 0.0376 | 6.32 | 0.0000053 | 0.00478 | 0.000545 | 0.00535 | 0.0134 | 0.0000109 | 7.5 | 0.00000297 | 0.0000714 | 0.0000937 | 0.000365 | 0.0192 |
| 2042 Jun | 52.3 | 0.00734 | 0.131 | 0.000511 | 10.8 | 0.0396 | 6.26 | 0.00000519 | 0.00361 | 0.000511 | 0.00524 | 0.0138 | 0.0000107 | 7.37 | 0.00000285 | 0.0000672 | 0.0000935 | 0.000345 | 0.0152 |
| 2042 Jul | 58.1 | 0.00644 | 0.16 | 0.000543 | 12 | 0.0409 | 6.74 | 0.00000522 | 0.00402 | 0.000557 | 0.00527 | 0.0149 | 0.0000107 | 8.08 | 0.00000289 | 0.0000703 | 0.000103 | 0.000364 | 0.0173 |
| 2042 Aug | 54.7 | 0.00445 | 0.155 | 0.000544 | 11.3 | 0.0379 | 6.27 | 0.00000521 | 0.00477 | 0.00053 | 0.00526 | 0.0138 | 0.0000107 | 7.61 | 0.00000288 | 0.0000696 | 0.0000996 | 0.000361 | 0.0192 |
| 2042 Sep | 53.3 | 0.00449 | 0.152 | 0.000523 | 11 | 0.0368 | 6.12 | 0.0000052 | 0.00489 | 0.000518 | 0.00525 | 0.0133 | 0.0000107 | 7.42 | 0.00000286 | 0.0000691 | 0.0000936 | 0.000359 | 0.0194 |
| 2042 Oct | 51.6 | 0.0049 | 0.145 | 0.000496 | 10.6 | 0.0361 | 5.98 | 0.00000513 | 0.00509 | 0.000497 | 0.00517 | 0.0126 | 0.0000105 | 7.17 | 0.00000334 | 0.0000674 | 0.0000911 | 0.000368 | 0.0188 |
| 2042 Nov | 53 | 0.00481 | 0.152 | 0.000497 | 10.9 | 0.0366 | 6.12 | 0.00000514 | 0.00517 | 0.000509 | 0.00518 | 0.0129 | 0.0000105 | 7.35 | 0.00000341 | 0.0000682 | 0.0000927 | 0.000374 | 0.0192 |
| 2042 Dec | 53.1 | 0.00481 | 0.152 | 0.000497 | 10.9 | 0.0366 | 6.12 | 0.00000514 | 0.00518 | 0.000509 | 0.00518 | 0.0129 | 0.0000105 | 7.36 | 0.00000341 | 0.0000682 | 0.0000927 | 0.000374 | 0.0192 |
| 2043 Jan | 53.1 | 0.00481 | 0.152 | 0.000497 | 10.9 | 0.0366 | 6.12 | 0.00000514 | 0.00517 | 0.000509 | 0.00518 | 0.0129 | 0.0000105 | 7.36 | 0.00000341 | 0.0000682 | 0.0000927 | 0.000374 | 0.0192 |
| 2043 Feb | 53.1 | 0.00482 | 0.152 | 0.000497 | 10.9 | 0.0366 | 6.12 | 0.00000514 | 0.00517 | 0.000509 | 0.00518 | 0.0129 | 0.0000105 | 7.36 | 0.00000341 | 0.0000682 | 0.0000927 | 0.000374 | 0.0192 |
| 2043 Mar | 53.1 | 0.00482 | 0.152 | 0.000497 | 10.9 | 0.0366 | 6.13 | 0.00000514 | 0.00517 | 0.00051 | 0.00518 | 0.0129 | 0.0000105 | 7.36 | 0.00000341 | 0.0000682 | 0.0000927 | 0.000374 | 0.0192 |
| 2043 Apr | 53.2 | 0.00482 | 0.152 | 0.000498 | 10.9 | 0.0367 | 6.13 | 0.00000515 | 0.00518 | 0.00051 | 0.00519 | 0.0129 | 0.0000106 | 7.37 | 0.00000341 | 0.0000683 | 0.0000929 | 0.000375 | 0.0192 |
| 2043 May | 52.7 | 0.00506 | 0.149 | 0.000502 | 10.7 | 0.0368 | 6.11 | 0.00000518 | 0.00507 | 0.000504 | 0.00522 | 0.0129 | 0.0000106 | 7.3 | 0.00000339 | 0.0000682 | 0.0000915 | 0.000373 | 0.0187 |
| 2043 Jun | 53.7 | 0.00777 | 0.139 | 0.000512 | 10.7 | 0.0388 | 6.32 | 0.0000051 | 0.00363 | 0.000485 | 0.00513 | 0.0138 | 0.0000104 | 7.39 | 0.00000286 | 0.0000658 | 0.0000859 | 0.000348 | 0.0146 |
| 2043 Jul | 59.6 | 0.00777 | 0.162 | 0.000519 | 12 | 0.0412 | 6.87 | 0.00000524 | 0.00387 | 0.000535 | 0.00528 | 0.0151 | 0.0000107 | 8.17 | 0.00000294 | 0.0000696 | 0.0000948 | 0.000369 | 0.0163 |
| 2043 Aug | 55.4 | 0.00626 | 0.15 | 0.000521 | 11.3 | 0.0389 | 6.37 | 0.00000524 | 0.00432 | 0.000506 | 0.00528 | 0.014 | 0.0000107 | 7.65 | 0.0000029 | 0.0000682 | 0.0000908 | 0.000361 | 0.0173 |
| 2043 Sep | 52.3 | 0.00527 | 0.142 | 0.00053 | 10.7 | 0.0367 | 5.99 | 0.00000519 | 0.00463 | 0.000481 | 0.00523 | 0.0131 | 0.0000106 | 7.25 | 0.00000285 | 0.0000668 | 0.0000849 | 0.000353 | 0.018 |
| 2043 Oct | 52.7 | 0.00536 | 0.144 | 0.000535 | 10.8 | 0.0367 | 6.02 | 0.0000052 | 0.00468 | 0.000484 | 0.00523 | 0.0131 | 0.0000106 | 7.29 | 0.00000286 | 0.0000671 | 0.0000848 | 0.000355 | 0.0183 |
| 2043 Nov | 52.8 | 0.00537 | 0.145 | 0.000536 | 10.8 | 0.0368 | 6.03 | 0.00000521 | 0.00469 | 0.000485 | 0.00524 | 0.0131 | 0.0000106 | 7.31 | 0.00000287 | 0.0000672 | 0.000085 | 0.000356 | 0.0183 |
| 2043 Dec | 52.8 | 0.00537 | 0.145 | 0.000536 | 10.8 | 0.0368 | 6.03 | 0.00000521 | 0.00469 | 0.000485 | 0.00524 | 0.0131 | 0.0000106 | 7.3 | 0.00000287 | 0.0000672 | 0.0000849 | 0.000355 | 0.0183 |
| 2044 Jan | 52.7 | 0.00537 | 0.145 | 0.000536 | 10.8 | 0.0367 | 6.03 | 0.00000521 | 0.00469 | 0.000485 | 0.00524 | 0.0131 | 0.0000106 | 7.3 | 0.00000287 | 0.0000672 | 0.0000849 | 0.000355 | 0.0183 |
| 2044 Feb | 52.7 | 0.00537 | 0.145 | 0.000536 | 10.8 | 0.0367 | 6.03 | 0.00000521 | 0.00469 | 0.000485 | 0.00524 | 0.0131 | 0.0000106 | 7.3 | 0.00000287 | 0.0000672 | 0.0000849 | 0.000355 | 0.0183 |
| 2044 Mar | 52.7 | 0.00538 | 0.145 | 0.000536 | 10.8 | 0.0368 | 6.03 | 0.00000521 | 0.00469 | 0.000485 | 0.00524 | 0.0131 | 0.0000106 | 7.3 | 0.00000287 | 0.0000672 | 0.0000849 | 0.000356 | 0.0183 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 52.8 | 0.00538 | 0.145 | 0.000536 | 10.8 | 0.0368 | 6.04 | 0.00000521 | 0.00469 | 0.000485 | 0.00524 | 0.0131 | 0.0000106 | 7.31 | 0.00000287 | 0.0000673 | 0.000085 | 0.000356 | 0.0183 |
| 2044 May | 52.9 | 0.00544 | 0.145 | 0.000539 | 10.8 | 0.0369 | 6.06 | 0.00000524 | 0.00469 | 0.000486 | 0.00527 | 0.0132 | 0.0000107 | 7.33 | 0.00000288 | 0.0000675 | 0.0000852 | 0.000357 | 0.0183 |
| 2044 Jun | 52.3 | 0.0075 | 0.126 | 0.000532 | 10.7 | 0.0394 | 6.13 | 0.00000509 | 0.00335 | 0.000464 | 0.00512 | 0.0138 | 0.0000103 | 7.29 | 0.00000275 | 0.0000636 | 0.0000893 | 0.000336 | 0.014 |
| 2044 Jul | 58.7 | 0.00733 | 0.152 | 0.000567 | 12.1 | 0.0417 | 6.72 | 0.00000521 | 0.00361 | 0.000513 | 0.00524 | 0.0151 | 0.0000106 | 8.11 | 0.00000285 | 0.0000673 | 0.000098 | 0.000359 | 0.0157 |
| 2044 Aug | 57.7 | 0.00684 | 0.149 | 0.000576 | 11.9 | 0.0413 | 6.6 | 0.0000053 | 0.00389 | 0.000508 | 0.00533 | 0.0149 | 0.0000108 | 7.99 | 0.00000289 | 0.0000679 | 0.0000985 | 0.000362 | 0.0164 |
| 2044 Sep | 52.9 | 0.0061 | 0.137 | 0.00056 | 10.9 | 0.0382 | 6.07 | 0.00000522 | 0.00422 | 0.000471 | 0.00525 | 0.0135 | 0.0000106 | 7.36 | 0.00000283 | 0.0000658 | 0.0000896 | 0.00035 | 0.0169 |
| 2044 Oct | 51.6 | 0.00574 | 0.134 | 0.000536 | 10.6 | 0.0374 | 5.94 | 0.00000517 | 0.00459 | 0.00046 | 0.0052 | 0.013 | 0.0000105 | 7.18 | 0.00000322 | 0.000065 | 0.00009 | 0.000359 | 0.0171 |
| 2044 Nov | 52.3 | 0.00543 | 0.137 | 0.000531 | 10.8 | 0.0377 | 6 | 0.00000517 | 0.00477 | 0.000465 | 0.0052 | 0.013 | 0.0000105 | 7.26 | 0.00000344 | 0.0000653 | 0.0000923 | 0.000368 | 0.0172 |
| 2044 Dec | 52.4 | 0.00543 | 0.137 | 0.000531 | 10.8 | 0.0378 | 6.01 | 0.00000517 | 0.00478 | 0.000466 | 0.0052 | 0.013 | 0.0000105 | 7.27 | 0.00000344 | 0.0000653 | 0.0000924 | 0.000368 | 0.0172 |
| 2045 Jan | 52.4 | 0.00543 | 0.137 | 0.000531 | 10.8 | 0.0378 | 6.01 | 0.00000517 | 0.00478 | 0.000466 | 0.0052 | 0.013 | 0.0000105 | 7.27 | 0.00000344 | 0.0000653 | 0.0000924 | 0.000368 | 0.0172 |
| 2045 Feb | 52.4 | 0.00543 | 0.137 | 0.000531 | 10.8 | 0.0378 | 6.01 | 0.00000517 | 0.00478 | 0.000466 | 0.0052 | 0.013 | 0.0000105 | 7.27 | 0.00000344 | 0.0000653 | 0.0000924 | 0.000368 | 0.0172 |
| 2045 Mar | 52.4 | 0.00543 | 0.137 | 0.000531 | 10.8 | 0.0378 | 6.01 | 0.00000517 | 0.00478 | 0.000466 | 0.0052 | 0.013 | 0.0000105 | 7.27 | 0.00000344 | 0.0000653 | 0.0000924 | 0.000368 | 0.0172 |
| 2045 Apr | 52.4 | 0.00543 | 0.137 | 0.000531 | 10.8 | 0.0378 | 6.01 | 0.00000518 | 0.00478 | 0.000466 | 0.0052 | 0.0131 | 0.0000105 | 7.27 | 0.00000344 | 0.0000653 | 0.0000924 | 0.000369 | 0.0173 |
| 2045 May | 52.7 | 0.00546 | 0.138 | 0.000534 | 10.9 | 0.038 | 6.04 | 0.0000052 | 0.0048 | 0.000468 | 0.00523 | 0.0131 | 0.0000106 | 7.31 | 0.00000346 | 0.0000657 | 0.0000929 | 0.00037 | 0.0173 |
| 2045 Jun | 51.3 | 0.00733 | 0.119 | 0.000512 | 10.6 | 0.0395 | 6 | 0.00000514 | 0.00359 | 0.00045 | 0.00516 | 0.0135 | 0.0000104 | 7.19 | 0.00000304 | 0.0000629 | 0.0000932 | 0.000343 | 0.0141 |
| 2045 Jul | 55.6 | 0.00772 | 0.133 | 0.000502 | 11.6 | 0.0416 | 6.43 | 0.00000525 | 0.0035 | 0.00048 | 0.00527 | 0.0146 | 0.0000106 | 7.75 | 0.00000297 | 0.0000653 | 0.0000983 | 0.000353 | 0.0146 |
| 2045 Aug | 55.7 | 0.00754 | 0.134 | 0.000509 | 11.6 | 0.0418 | 6.44 | 0.00000535 | 0.00368 | 0.000483 | 0.00537 | 0.0146 | 0.0000108 | 7.77 | 0.00000301 | 0.0000663 | 0.0000992 | 0.000358 | 0.0151 |
| 2045 Sep | 54.5 | 0.00732 | 0.131 | 0.000505 | 11.3 | 0.0409 | 6.3 | 0.00000535 | 0.00384 | 0.000474 | 0.00537 | 0.0142 | 0.0000108 | 7.61 | 0.00000299 | 0.0000661 | 0.0000963 | 0.000356 | 0.0155 |
| 2045 Oct | 54.2 | 0.00735 | 0.13 | 0.000504 | 11.2 | 0.0407 | 6.27 | 0.00000536 | 0.00387 | 0.000472 | 0.00538 | 0.0141 | 0.0000109 | 7.57 | 0.000003 | 0.0000661 | 0.0000957 | 0.000356 | 0.0156 |
| 2045 Nov | 54.2 | 0.00736 | 0.13 | 0.000505 | 11.2 | 0.0407 | 6.27 | 0.00000536 | 0.00388 | 0.000472 | 0.00539 | 0.0141 | 0.0000109 | 7.57 | 0.000003 | 0.0000661 | 0.0000958 | 0.000356 | 0.0156 |
| 2045 Dec | 54.2 | 0.00736 | 0.13 | 0.000505 | 11.2 | 0.0407 | 6.27 | 0.00000536 | 0.00388 | 0.000472 | 0.00539 | 0.0141 | 0.0000109 | 7.57 | 0.000003 | 0.0000661 | 0.0000958 | 0.000356 | 0.0156 |
| 2046 Jan | 54.1 | 0.00736 | 0.13 | 0.000505 | 11.2 | 0.0407 | 6.27 | 0.00000536 | 0.00388 | 0.000472 | 0.00539 | 0.0141 | 0.0000109 | 7.57 | 0.000003 | 0.0000661 | 0.0000957 | 0.000356 | 0.0156 |
| 2046 Feb | 54.1 | 0.00736 | 0.13 | 0.000505 | 11.2 | 0.0407 | 6.27 | 0.00000536 | 0.00388 | 0.000472 | 0.00539 | 0.0141 | 0.0000109 | 7.57 | 0.000003 | 0.0000661 | 0.0000957 | 0.000356 | 0.0156 |
| 2046 Mar | 54.2 | 0.00736 | 0.13 | 0.000505 | 11.2 | 0.0407 | 6.27 | 0.00000537 | 0.00388 | 0.000472 | 0.00539 | 0.0141 | 0.0000109 | 7.57 | 0.000003 | 0.0000661 | 0.0000958 | 0.000356 | 0.0156 |
| 2046 Apr | 54.2 | 0.00737 | 0.13 | 0.000506 | 11.2 | 0.0408 | 6.28 | 0.00000537 | 0.00388 | 0.000472 | 0.00539 | 0.0142 | 0.0000109 | 7.58 | 0.00000301 | 0.0000662 | 0.0000959 | 0.000357 | 0.0156 |
| 2046 May | 54.5 | 0.00741 | 0.131 | 0.000508 | 11.3 | 0.041 | 6.31 | 0.0000054 | 0.0039 | 0.000475 | 0.00542 | 0.0142 | 0.0000109 | 7.62 | 0.00000302 | 0.0000666 | 0.0000964 | 0.000359 | 0.0157 |
| 2046 Jun | 72.6 | 0.00637 | 0.21 | 0.000444 | 14.9 | 0.0459 | 8.51 | 0.00000532 | 0.00482 | 0.00173 | 0.00535 | 0.0177 | 0.0000109 | 9.92 | 0.00000322 | 0.0000771 | 0.000113 | 0.000437 | 0.0212 |
| 2046 Jul | 92 | 0.00392 | 0.297 | 0.00046 | 18.6 | 0.0513 | 11.2 | 0.00000548 | 0.00685 | 0.00382 | 0.00552 | 0.0212 | 0.0000114 | 12.5 | 0.00000375 | 0.0000935 | 0.000136 | 0.000554 | 0.0302 |
| 2046 Aug | 87.5 | 0.00339 | 0.279 | 0.000491 | 17.7 | 0.0498 | 10.8 | 0.00000553 | 0.00706 | 0.00384 | 0.00557 | 0.0203 | 0.0000115 | 11.9 | 0.00000375 | 0.0000925 | 0.000134 | 0.000546 | 0.0302 |
| 2046 Sep | 79.8 | 0.00334 | 0.249 | 0.00057 | 16 | 0.0468 | 10.3 | 0.00000546 | 0.00727 | 0.00419 | 0.00549 | 0.0185 | 0.0000114 | 11 | 0.00000375 | 0.0000904 | 0.000124 | 0.000536 | 0.0298 |
| 2046 Oct | 82.5 | 0.0034 | 0.258 | 0.000671 | 16.3 | 0.0482 | 11.2 | 0.00000549 | 0.00789 | 0.00527 | 0.00551 | 0.0189 | 0.0000115 | 11.5 | 0.00000402 | 0.0000954 | 0.000129 | 0.000577 | 0.0318 |
| 2046 Nov | 84.2 | 0.00326 | 0.265 | 0.000687 | 16.6 | 0.0489 | 11.4 | 0.00000551 | 0.00806 | 0.00551 | 0.00554 | 0.0192 | 0.0000116 | 11.7 | 0.0000041 | 0.000097 | 0.000132 | 0.000589 | 0.0325 |
| 2046 Dec | 84.4 | 0.00325 | 0.265 | 0.00069 | 16.7 | 0.049 | 11.5 | 0.00000551 | 0.00808 | 0.00555 | 0.00554 | 0.0193 | 0.0000116 | 11.7 | 0.00000411 | 0.0000972 | 0.000132 | 0.00059 | 0.0326 |
| 2047 Jan | 84.4 | 0.00325 | 0.265 | 0.00069 | 16.7 | 0.049 | 11.5 | 0.00000551 | 0.00808 | 0.00555 | 0.00554 | 0.0193 | 0.0000116 | 11.7 | 0.00000411 | 0.0000973 | 0.000132 | 0.000591 | 0.0326 |
| 2047 Feb | 84.4 | 0.00325 | 0.265 | 0.00069 | 16.7 | 0.049 | 11.5 | 0.00000551 | 0.00808 | 0.00555 | 0.00554 | 0.0193 | 0.0000116 | 11.7 | 0.00000411 | 0.0000973 | 0.000132 | 0.000591 | 0.0326 |
| 2047 Mar | 84.4 | 0.00325 | 0.266 | 0.00069 | 16.7 | 0.049 | 11.5 | 0.00000551 | 0.00808 | 0.00556 | 0.00554 | 0.0193 | 0.0000116 | 11.7 | 0.00000411 | 0.0000973 | 0.000132 | 0.000591 | 0.0326 |
| 2047 Apr | 84.5 | 0.00325 | 0.266 | 0.000691 | 16.7 | 0.049 | 11.5 | 0.00000552 | 0.00809 | 0.00556 | 0.00554 | 0.0193 | 0.0000116 | 11.7 | 0.00000411 | 0.0000973 | 0.000132 | 0.000591 | 0.0326 |
| 2047 May | 81.7 | 0.00371 | 0.251 | 0.000719 | 16 | 0.0486 | 11.3 | 0.00000551 | 0.00789 | 0.00561 | 0.00554 | 0.0189 | 0.0000116 | 11.4 | 0.00000409 | 0.0000962 | 0.00013 | 0.000584 | 0.0314 |
| 2047 Jun | 77.7 | 0.00587 | 0.211 | 0.000799 | 14.8 | 0.0517 | 12.5 | 0.00000556 | 0.00827 | 0.00827 | 0.00557 | 0.0188 | 0.0000118 | 11.3 | 0.00000449 | 0.000102 | 0.000142 | 0.000636 | 0.0313 |
| 2047 Jul | 75.5 | 0.00564 | 0.199 | 0.000716 | 14.4 | 0.0518 | 12.3 | 0.00000567 | 0.0082 | 0.0081 | 0.00568 | 0.0185 | 0.000012 | 11.1 | 0.0000045 | 0.000102 | 0.000144 | 0.000628 | 0.0308 |
| 2047 Aug | 71.7 | 0.0052 | 0.185 | 0.000694 | 13.7 | 0.0502 | 11.6 | 0.0000057 | 0.00812 | 0.0076 | 0.00572 | 0.0177 | 0.000012 | 10.5 | 0.00000441 | 0.000099 | 0.000141 | 0.000607 | 0.0301 |
| 2047 Sep | 65.9 | 0.00486 | 0.167 | 0.000646 | 12.6 | 0.0471 | 10.8 | 0.00000561 | 0.00792 | 0.00701 | 0.00562 | 0.0162 | 0.0000118 | 9.74 | 0.00000423 | 0.0000945 | 0.000131 | 0.000576 | 0.0289 |
| 2047 Oct | 67.4 | 0.00439 | 0.173 | 0.00065 | 12.8 | 0.0477 | 11.1 | 0.00000561 | 0.00833 | 0.00744 | 0.00562 | 0.0164 | 0.0000118 | 9.97 | 0.00000444 | 0.0000967 | 0.000133 | 0.000597 | 0.0301 |
| 2047 Nov | 68.4 | 0.00421 | 0.177 | 0.000656 | 13 | 0.0482 | 11.3 | 0.00000563 | 0.00849 | 0.00763 | 0.00564 | 0.0166 | 0.0000119 | 10.1 | 0.00000453 | 0.0000978 | 0.000135 | 0.000608 | 0.0306 |
| 2047 Dec | 68.5 | 0.0042 | 0.177 | 0.000657 | 13.1 | 0.0482 | 11.4 | 0.00000563 | 0.0085 | 0.00765 | 0.00564 | 0.0167 | 0.0000119 | 10.1 | 0.00000453 | 0.0000979 | 0.000136 | 0.000608 | 0.0306 |
| 2048 Jan | 68.5 | 0.0042 | 0.178 | 0.000657 | 13.1 | 0.0482 | 11.4 | 0.00000563 | 0.0085 | 0.00766 | 0.00564 | 0.0167 | 0.0000119 | 10.1 | 0.00000453 | 0.000098 | 0.000136 | 0.000609 | 0.0306 |
| 2048 Feb | 68.5 | 0.0042 | 0.178 | 0.000657 | 13.1 | 0.0482 | 11.4 | 0.00000563 | 0.0085 | 0.00766 | 0.00564 | 0.0167 | 0.0000119 | 10.1 | 0.00000453 | 0.000098 | 0.000136 | 0.000609 | 0.0306 |
| 2048 Mar | 68.5 | 0.0042 | 0.178 | 0.000657 | 13.1 | 0.0482 | 11.4 | 0.00000563 | 0.0085 | 0.00766 | 0.00564 | 0.0167 | 0.0000119 | 10.1 | 0.00000453 | 0.000098 | 0.000136 | 0.000609 | 0.0306 |
| 2048 Apr | 68.6 | 0.00421 | 0.178 | 0.000658 | 13.1 | 0.0483 | 11.4 | 0.00000564 | 0.00851 | 0.00767 | 0.00565 | 0.0167 | 0.0000119 | 10.1 | 0.00000454 | 0.0000981 | 0.000136 | 0.000609 | 0.0307 |
| 2048 May | 69 | 0.00423 | 0.179 | 0.000661 | 13.1 | 0.0485 | 11.4 | 0.00000567 | 0.00856 | 0.00771 | 0.00568 | 0.0168 | 0.0000119 | 10.2 | 0.00000456 | 0.0000986 | 0.000137 | 0.000613 | 0.0309 |
| 2048 Jun | 69.6 | 0.00469 | 0.17 | 0.000653 | 13.2 | 0.0511 | 12.2 | 0.00000556 | 0.00844 | 0.0089 | 0.00556 | 0.0174 | 0.0000118 | 10.5 | 0.00000459 | 0.000101 | 0.000144 | 0.000636 | 0.0304 |
| 2048 Jul | 69.8 | 0.00369 | 0.167 | 0.00056 | 13.1 | 0.052 | 12.8 | 0.00000562 | 0.0092 | 0.0101 | 0.00562 | 0.0175 | 0.000012 | 10.6 | 0.0000048 | 0.000105 | 0.000154 | 0.000672 | 0.0327 |
| 2048 Aug | 67.9 | 0.00332 | 0.161 | 0.000524 | 12.7 | 0.0511 | 12.5 | 0.00000569 | 0.0093 | 0.0098 | 0.00569 | 0.0171 | 0.0000121 | 10.4 | 0.00000477 | 0.000105 | 0.000153 | 0.000663 | 0.0328 |
| 2048 Sep | 65.9 | 0.00349 | 0.155 | 0.000515 | 12.3 | 0.0501 | 12.1 | 0.0000057 | 0.00915 | 0.00942 | 0.0057 | 0.0166 | 0.0000121 | 10.1 | 0.0000047 | 0.000103 | 0.000149 | 0.000649 | 0.0321 |
| 2048 Oct | 62.5 | 0.00301 | 0.143 | 0.000477 | 11.7 | 0.0487 | 11.4 | 0.00000559 | 0.00923 | 0.00877 | 0.00559 | 0.0157 | 0.0000118 | 9.58 | 0.00000521 | 0.0000985 | 0.000146 | 0.000641 | 0.0304 |
| 2048 Nov | 65 | 0.00264 | 0.152 | 0.00048 | 12.2 | 0.0501 | 12 | 0.00000561 | 0.00978 | 0.00934 | 0.00561 | 0.0161 | 0.0000119 | 9.95 | 0.00000559 | 0.000102 | 0.000152 | 0.000674 | 0.0317 |
| 2048 Dec | 65.8 | 0.00263 | 0.154 | 0.000483 | 12.3 | 0.0505 | 12.1 | 0.00000562 | 0.00987 | 0.0095 | 0.00562 | 0.0163 | 0.0000119 | 10.1 | 0.0000056 | 0.000103 | 0.000153 | 0.00068 | 0.0321 |
| 2049 Jan | 65.9 | 0.00263 | 0.155 | 0.000483 | 12.3 | 0.0505 | 12.2 | 0.00000563 | 0.00989 | 0.00953 | 0.00562 | 0.0163 | 0.0000119 | 10.1 | 0.00000561 | 0.000103 | 0.000153 | 0.000682 | 0.0321 |
| 2049 Feb | 65.9 | 0.00264 | 0.155 | 0.000483 | 12.3 | 0.0505 | 12.2 | 0.00000563 | 0.00989 | 0.00954 | 0.00562 | 0.0163 | 0.0000119 | 10.1 | 0.00000561 | 0.000103 | 0.000153 | 0.000682 | 0.0322 |
| 2049 Mar | 65.9 | 0.00264 | 0.155 | 0.000484 | 12.3 | 0.0505 | 12.2 | 0.00000563 | 0.00989 | 0.00954 | 0.00562 | 0.0163 | 0.0000119 | 10.1 | 0.00000561 | 0.000103 | 0.000153 | 0.000682 | 0.0322 |
| 2049 Apr | 66 | 0.00264 | 0.155 | 0.000484 | 12.3 | 0.0506 | 12.2 | 0.00000563 | 0.0099 | 0.00955 | 0.00563 | 0.0163 | 0.000012 | 10.1 | 0.00000561 | 0.000103 | 0.000153 | 0.000682 | 0.0322 |
| 2049 May | 66.3 | 0.00267 | 0.156 | 0.000487 | 12.4 | 0.0509 | 12.2 | 0.00000567 | 0.00995 | 0.00959 | 0.00566 | 0.0164 | 0.000012 | 10.1 | 0.00000564 | 0.000103 | 0.000154 | 0.000686 | 0.0323 |
| 2049 Jun | 66.4 | 0.00437 | 0.15 | 0.000526 | 12.4 | 0.0517 | 12.3 | 0.00000555 | 0.00895 | 0.00961 | 0.00554 | 0.0169 | 0.0000118 | 10.2 | 0.00000483 | 0.000102 | 0.000149 | 0.00066 | 0.0307 |
| 2049 Jul | 67 | 0.00317 | 0.154 | 0.000603 | 12.4 | 0.0518 | 12.7 | 0.00000559 | 0.00972 | 0.0103 | 0.00557 | 0.017 | 0.0000119 | 10.3 | 0.00000482 | 0.000106 | 0.000155 | 0.000688 | 0.0332 |
| 2049 Aug | 64.1 | 0.00271 | 0.146 | 0.00063 | 11.9 | 0.0502 | 12.1 | 0.00000563 | 0.00971 | 0.00982 | 0.00562 | 0.0163 | 0.000012 | 9.91 | 0.00000474 | 0.000104 | 0.000151 | 0.000669 | 0.0329 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 59.9 | 0.00296 | 0.135 | 0.00061 | 11.1 | 0.0473 | 11.3 | 0.00000556 | 0.00941 | 0.00906 | 0.00555 | 0.0152 | 0.0000117 | 9.27 | 0.00000455 | 0.0000993 | 0.000138 | 0.000636 | 0.0317 |
| 2049 Oct | 61.2 | 0.00285 | 0.139 | 0.000506 | 11.3 | 0.0483 | 11.6 | 0.00000556 | 0.00974 | 0.00933 | 0.00555 | 0.0154 | 0.0000118 | 9.47 | 0.00000491 | 0.000101 | 0.000142 | 0.000658 | 0.0321 |
| 2049 Nov | 62.8 | 0.00267 | 0.144 | 0.000476 | 11.6 | 0.0492 | 11.9 | 0.00000558 | 0.00999 | 0.00966 | 0.00557 | 0.0157 | 0.0000118 | 9.7 | 0.00000506 | 0.000103 | 0.000146 | 0.000675 | 0.0328 |
| 2049 Dec | 62.9 | 0.00266 | 0.144 | 0.000473 | 11.6 | 0.0493 | 11.9 | 0.00000558 | 0.01 | 0.0097 | 0.00557 | 0.0157 | 0.0000118 | 9.72 | 0.00000507 | 0.000103 | 0.000146 | 0.000676 | 0.0329 |
| 2050 Jan | 63 | 0.00266 | 0.144 | 0.000473 | 11.6 | 0.0493 | 11.9 | 0.00000558 | 0.01 | 0.0097 | 0.00557 | 0.0157 | 0.0000118 | 9.72 | 0.00000507 | 0.000103 | 0.000146 | 0.000677 | 0.0329 |
| 2050 Feb | 63 | 0.00267 | 0.144 | 0.000472 | 11.6 | 0.0493 | 11.9 | 0.00000559 | 0.01 | 0.0097 | 0.00557 | 0.0157 | 0.0000118 | 9.73 | 0.00000507 | 0.000103 | 0.000146 | 0.000677 | 0.0329 |
| 2050 Mar | 63 | 0.00267 | 0.144 | 0.000472 | 11.6 | 0.0493 | 11.9 | 0.00000559 | 0.01 | 0.0097 | 0.00557 | 0.0157 | 0.0000118 | 9.73 | 0.00000507 | 0.000103 | 0.000146 | 0.000677 | 0.0329 |
| 2050 Apr | 63 | 0.00267 | 0.144 | 0.000473 | 11.6 | 0.0493 | 11.9 | 0.00000559 | 0.01 | 0.00971 | 0.00558 | 0.0158 | 0.0000119 | 9.73 | 0.00000507 | 0.000103 | 0.000146 | 0.000677 | 0.033 |
| 2050 May | 63.3 | 0.00269 | 0.145 | 0.000475 | 11.7 | 0.0495 | 12 | 0.00000562 | 0.0101 | 0.00975 | 0.0056 | 0.0158 | 0.0000119 | 9.78 | 0.00000509 | 0.000103 | 0.000147 | 0.00068 | 0.0331 |
| 2050 Jun | 63.1 | 0.00428 | 0.137 | 0.000591 | 11.8 | 0.0503 | 11.7 | 0.00000554 | 0.00888 | 0.00916 | 0.00552 | 0.0162 | 0.0000117 | 9.71 | 0.00000468 | 0.0000995 | 0.000145 | 0.000645 | 0.0301 |
| 2050 Jul | 65.2 | 0.00361 | 0.145 | 0.00065 | 12.2 | 0.0511 | 12.2 | 0.00000559 | 0.00928 | 0.00975 | 0.00558 | 0.0167 | 0.0000118 | 10.1 | 0.0000047 | 0.000103 | 0.000153 | 0.000664 | 0.0322 |
| 2050 Aug | 64 | 0.00316 | 0.142 | 0.000595 | 11.9 | 0.0504 | 11.9 | 0.00000566 | 0.00944 | 0.00956 | 0.00565 | 0.0164 | 0.000012 | 9.88 | 0.00000469 | 0.000102 | 0.000153 | 0.000659 | 0.0325 |
| 2050 Sep | 60.1 | 0.00311 | 0.132 | 0.000527 | 11.2 | 0.0478 | 11.2 | 0.00000561 | 0.00916 | 0.00883 | 0.00559 | 0.0154 | 0.0000118 | 9.29 | 0.00000452 | 0.0000982 | 0.000142 | 0.000628 | 0.0314 |
| 2050 Oct | 60.8 | 0.00314 | 0.135 | 0.000509 | 11.3 | 0.0481 | 11.3 | 0.00000563 | 0.00931 | 0.009 | 0.00562 | 0.0155 | 0.0000119 | 9.4 | 0.00000457 | 0.0000994 | 0.000143 | 0.000637 | 0.0319 |
| 2050 Nov | 60.9 | 0.00313 | 0.135 | 0.000508 | 11.3 | 0.0482 | 11.3 | 0.00000564 | 0.00933 | 0.00902 | 0.00563 | 0.0155 | 0.0000119 | 9.42 | 0.00000458 | 0.0000995 | 0.000143 | 0.000638 | 0.0319 |
| 2050 Dec | 60.9 | 0.00314 | 0.135 | 0.000508 | 11.3 | 0.0482 | 11.3 | 0.00000564 | 0.00933 | 0.00902 | 0.00563 | 0.0155 | 0.0000119 | 9.41 | 0.00000458 | 0.0000995 | 0.000143 | 0.000638 | 0.0319 |
| 2051 Jan | 60.9 | 0.00314 | 0.135 | 0.000508 | 11.3 | 0.0482 | 11.3 | 0.00000564 | 0.00933 | 0.00901 | 0.00563 | 0.0155 | 0.0000119 | 9.41 | 0.00000458 | 0.0000995 | 0.000143 | 0.000638 | 0.0319 |
| 2051 Feb | 60.9 | 0.00314 | 0.135 | 0.000508 | 11.3 | 0.0482 | 11.3 | 0.00000564 | 0.00933 | 0.00901 | 0.00563 | 0.0155 | 0.0000119 | 9.41 | 0.00000458 | 0.0000995 | 0.000143 | 0.000638 | 0.0319 |
| 2051 Mar | 60.9 | 0.00314 | 0.135 | 0.000508 | 11.3 | 0.0482 | 11.3 | 0.00000564 | 0.00933 | 0.00901 | 0.00563 | 0.0155 | 0.0000119 | 9.41 | 0.00000458 | 0.0000995 | 0.000143 | 0.000638 | 0.0319 |
| 2051 Apr | 60.9 | 0.00315 | 0.135 | 0.000509 | 11.3 | 0.0482 | 11.3 | 0.00000564 | 0.00933 | 0.00902 | 0.00563 | 0.0155 | 0.0000119 | 9.42 | 0.00000459 | 0.0000996 | 0.000143 | 0.000638 | 0.0319 |
| 2051 May | 60.3 | 0.00332 | 0.132 | 0.000509 | 11.2 | 0.048 | 11.2 | 0.00000565 | 0.00919 | 0.00883 | 0.00564 | 0.0154 | 0.0000119 | 9.31 | 0.00000456 | 0.0000988 | 0.000141 | 0.000631 | 0.0314 |
| 2051 Jun | 64.2 | 0.00454 | 0.14 | 0.000523 | 12 | 0.0511 | 11.8 | 0.00000552 | 0.0089 | 0.00914 | 0.0055 | 0.0166 | 0.0000117 | 9.84 | 0.00000455 | 0.0000998 | 0.000146 | 0.000651 | 0.0303 |
| 2051 Jul | 66.3 | 0.00383 | 0.146 | 0.000484 | 12.4 | 0.0527 | 12.3 | 0.00000564 | 0.00953 | 0.00969 | 0.00561 | 0.0171 | 0.0000119 | 10.2 | 0.00000471 | 0.000104 | 0.000155 | 0.000682 | 0.0324 |
| 2051 Aug | 60.4 | 0.00307 | 0.131 | 0.000516 | 11.3 | 0.049 | 11.1 | 0.0000056 | 0.00928 | 0.00864 | 0.00558 | 0.0157 | 0.0000118 | 9.33 | 0.00000449 | 0.0000983 | 0.000144 | 0.000637 | 0.031 |
| 2051 Sep | 58.6 | 0.003 | 0.127 | 0.000563 | 11 | 0.0475 | 10.8 | 0.00000559 | 0.00929 | 0.00834 | 0.00557 | 0.0151 | 0.0000117 | 9.05 | 0.00000442 | 0.0000968 | 0.000138 | 0.000626 | 0.0309 |
| 2051 Oct | 58.7 | 0.00297 | 0.128 | 0.000633 | 11 | 0.0477 | 10.8 | 0.00000555 | 0.00952 | 0.0083 | 0.00553 | 0.0149 | 0.0000117 | 9.04 | 0.00000484 | 0.0000963 | 0.00014 | 0.000638 | 0.0307 |
| 2051 Nov | 61.3 | 0.00265 | 0.136 | 0.000682 | 11.5 | 0.0492 | 11.3 | 0.00000557 | 0.00997 | 0.00881 | 0.00555 | 0.0155 | 0.0000117 | 9.42 | 0.00000515 | 0.0000991 | 0.000147 | 0.000668 | 0.0319 |
| 2051 Dec | 61.7 | 0.00264 | 0.137 | 0.000687 | 11.5 | 0.0494 | 11.4 | 0.00000558 | 0.01 | 0.00891 | 0.00556 | 0.0156 | 0.0000118 | 9.49 | 0.00000516 | 0.0000997 | 0.000147 | 0.000672 | 0.0321 |
| 2052 Jan | 61.8 | 0.00264 | 0.138 | 0.000688 | 11.6 | 0.0494 | 11.4 | 0.00000558 | 0.01 | 0.00892 | 0.00556 | 0.0156 | 0.0000118 | 9.5 | 0.00000516 | 0.0000997 | 0.000148 | 0.000672 | 0.0321 |
| 2052 Feb | 61.8 | 0.00264 | 0.138 | 0.000689 | 11.6 | 0.0494 | 11.4 | 0.00000558 | 0.01 | 0.00892 | 0.00556 | 0.0156 | 0.0000118 | 9.5 | 0.00000516 | 0.0000998 | 0.000148 | 0.000672 | 0.0321 |
| 2052 Mar | 61.8 | 0.00265 | 0.138 | 0.000689 | 11.6 | 0.0495 | 11.4 | 0.00000558 | 0.01 | 0.00892 | 0.00556 | 0.0156 | 0.0000118 | 9.5 | 0.00000516 | 0.0000998 | 0.000148 | 0.000673 | 0.0321 |
| 2052 Apr | 61.8 | 0.00265 | 0.138 | 0.000689 | 11.6 | 0.0495 | 11.4 | 0.00000558 | 0.01 | 0.00893 | 0.00556 | 0.0156 | 0.0000118 | 9.51 | 0.00000517 | 0.0000998 | 0.000148 | 0.000673 | 0.0321 |
| 2052 May | 61 | 0.00293 | 0.134 | 0.000693 | 11.4 | 0.0491 | 11.2 | 0.00000559 | 0.00981 | 0.0087 | 0.00557 | 0.0155 | 0.0000118 | 9.37 | 0.00000508 | 0.0000987 | 0.000145 | 0.000662 | 0.0314 |
| 2052 Jun | 62.5 | 0.0046 | 0.133 | 0.000585 | 11.7 | 0.0503 | 11.2 | 0.00000552 | 0.00858 | 0.00843 | 0.00551 | 0.0163 | 0.0000116 | 9.55 | 0.00000448 | 0.0000966 | 0.000144 | 0.00063 | 0.0292 |
| 2052 Jul | 65.4 | 0.00434 | 0.142 | 0.000617 | 12.3 | 0.0521 | 11.8 | 0.00000566 | 0.009 | 0.00898 | 0.00564 | 0.017 | 0.0000119 | 10 | 0.00000459 | 0.000101 | 0.000152 | 0.000656 | 0.0312 |
| 2052 Aug | 62.2 | 0.00396 | 0.132 | 0.000625 | 11.7 | 0.0502 | 11.1 | 0.00000567 | 0.00886 | 0.00839 | 0.00566 | 0.0162 | 0.0000119 | 9.54 | 0.00000448 | 0.0000977 | 0.000146 | 0.000631 | 0.0304 |
| 2052 Sep | 59.5 | 0.00367 | 0.127 | 0.000627 | 11.2 | 0.0483 | 10.6 | 0.00000564 | 0.00881 | 0.00798 | 0.00563 | 0.0154 | 0.0000118 | 9.14 | 0.00000438 | 0.0000954 | 0.000139 | 0.000613 | 0.0301 |
| 2052 Oct | 59.6 | 0.00362 | 0.128 | 0.000603 | 11.2 | 0.0482 | 10.7 | 0.00000564 | 0.00893 | 0.00802 | 0.00562 | 0.0154 | 0.0000118 | 9.15 | 0.00000446 | 0.0000957 | 0.00014 | 0.000618 | 0.0303 |
| 2052 Nov | 60 | 0.00357 | 0.129 | 0.000599 | 11.3 | 0.0484 | 10.7 | 0.00000565 | 0.009 | 0.00809 | 0.00563 | 0.0154 | 0.0000118 | 9.21 | 0.00000449 | 0.0000961 | 0.00014 | 0.000622 | 0.0305 |
| 2052 Dec | 60 | 0.00357 | 0.129 | 0.000598 | 11.3 | 0.0484 | 10.7 | 0.00000565 | 0.00901 | 0.0081 | 0.00563 | 0.0154 | 0.0000118 | 9.21 | 0.00000449 | 0.0000961 | 0.00014 | 0.000622 | 0.0306 |
| 2053 Jan | 60 | 0.00357 | 0.129 | 0.000597 | 11.3 | 0.0484 | 10.7 | 0.00000565 | 0.00901 | 0.0081 | 0.00563 | 0.0154 | 0.0000118 | 9.21 | 0.00000449 | 0.0000961 | 0.00014 | 0.000622 | 0.0306 |
| 2053 Feb | 60 | 0.00357 | 0.129 | 0.000597 | 11.3 | 0.0484 | 10.7 | 0.00000565 | 0.00901 | 0.0081 | 0.00563 | 0.0154 | 0.0000118 | 9.21 | 0.00000449 | 0.0000962 | 0.00014 | 0.000622 | 0.0306 |
| 2053 Mar | 60 | 0.00358 | 0.129 | 0.000597 | 11.3 | 0.0484 | 10.7 | 0.00000565 | 0.00901 | 0.0081 | 0.00564 | 0.0154 | 0.0000118 | 9.21 | 0.00000449 | 0.0000962 | 0.00014 | 0.000622 | 0.0306 |
| 2053 Apr | 60.1 | 0.00358 | 0.129 | 0.000598 | 11.3 | 0.0484 | 10.8 | 0.00000566 | 0.00902 | 0.00811 | 0.00564 | 0.0155 | 0.0000119 | 9.22 | 0.0000045 | 0.0000963 | 0.000141 | 0.000623 | 0.0306 |
| 2053 May | 57.6 | 0.00409 | 0.121 | 0.000556 | 10.7 | 0.0472 | 10.3 | 0.00000562 | 0.00851 | 0.00752 | 0.0056 | 0.015 | 0.0000117 | 8.81 | 0.00000435 | 0.0000931 | 0.000133 | 0.000598 | 0.0285 |
| 2053 Jun | 64.4 | 0.00474 | 0.14 | 0.000668 | 12.1 | 0.0515 | 11.4 | 0.00000555 | 0.00896 | 0.00851 | 0.00552 | 0.0167 | 0.0000116 | 9.79 | 0.00000445 | 0.0000984 | 0.000147 | 0.00065 | 0.0303 |
| 2053 Jul | 67.3 | 0.00425 | 0.148 | 0.000685 | 12.7 | 0.0532 | 12 | 0.00000569 | 0.00942 | 0.00909 | 0.00566 | 0.0174 | 0.000012 | 10.2 | 0.00000463 | 0.000102 | 0.000156 | 0.000678 | 0.0323 |
| 2053 Aug | 63.2 | 0.00392 | 0.136 | 0.000651 | 12 | 0.051 | 11.2 | 0.00000571 | 0.00917 | 0.00836 | 0.00569 | 0.0165 | 0.000012 | 9.67 | 0.00000449 | 0.0000988 | 0.000149 | 0.000646 | 0.0311 |
| 2053 Sep | 60.5 | 0.00383 | 0.128 | 0.000613 | 11.5 | 0.0493 | 10.7 | 0.0000057 | 0.00899 | 0.00788 | 0.00568 | 0.0158 | 0.0000119 | 9.26 | 0.00000439 | 0.0000962 | 0.000142 | 0.000624 | 0.0304 |
| 2053 Oct | 59.5 | 0.00383 | 0.126 | 0.000586 | 11.3 | 0.0487 | 10.5 | 0.00000568 | 0.00897 | 0.00771 | 0.00566 | 0.0155 | 0.0000119 | 9.12 | 0.00000444 | 0.0000952 | 0.000141 | 0.000619 | 0.03 |
| 2053 Nov | 59.5 | 0.00368 | 0.126 | 0.000571 | 11.3 | 0.0487 | 10.5 | 0.00000568 | 0.00905 | 0.0077 | 0.00566 | 0.0154 | 0.0000119 | 9.11 | 0.00000455 | 0.0000951 | 0.000142 | 0.000622 | 0.03 |
| 2053 Dec | 59.6 | 0.00366 | 0.127 | 0.000568 | 11.3 | 0.0488 | 10.5 | 0.00000568 | 0.00908 | 0.00773 | 0.00566 | 0.0155 | 0.0000119 | 9.13 | 0.00000456 | 0.0000953 | 0.000142 | 0.000624 | 0.0301 |
| 2054 Jan | 59.7 | 0.00366 | 0.127 | 0.000567 | 11.3 | 0.0488 | 10.5 | 0.00000568 | 0.00909 | 0.00774 | 0.00566 | 0.0155 | 0.0000119 | 9.14 | 0.00000456 | 0.0000954 | 0.000142 | 0.000624 | 0.0301 |
| 2054 Feb | 59.7 | 0.00366 | 0.127 | 0.000567 | 11.3 | 0.0488 | 10.5 | 0.00000568 | 0.00909 | 0.00774 | 0.00566 | 0.0155 | 0.0000119 | 9.14 | 0.00000456 | 0.0000954 | 0.000142 | 0.000625 | 0.0301 |
| 2054 Mar | 59.7 | 0.00366 | 0.127 | 0.000567 | 11.3 | 0.0488 | 10.5 | 0.00000568 | 0.00909 | 0.00775 | 0.00566 | 0.0155 | 0.0000119 | 9.14 | 0.00000456 | 0.0000954 | 0.000142 | 0.000625 | 0.0302 |
| 2054 Apr | 59.8 | 0.00367 | 0.127 | 0.000567 | 11.3 | 0.0489 | 10.5 | 0.00000569 | 0.0091 | 0.00776 | 0.00566 | 0.0155 | 0.0000119 | 9.15 | 0.00000456 | 0.0000955 | 0.000142 | 0.000625 | 0.0302 |
| 2054 May | 59.1 | 0.00383 | 0.124 | 0.000565 | 11.2 | 0.0486 | 10.4 | 0.0000057 | 0.00896 | 0.00759 | 0.00568 | 0.0154 | 0.0000119 | 9.05 | 0.00000453 | 0.0000948 | 0.00014 | 0.000619 | 0.0296 |
| 2054 Jun | 63.6 | 0.00503 | 0.138 | 0.000569 | 12 | 0.0506 | 11.1 | 0.00000554 | 0.00863 | 0.00805 | 0.00551 | 0.0165 | 0.0000116 | 9.63 | 0.00000436 | 0.0000959 | 0.000145 | 0.00063 | 0.0297 |
| 2054 Jul | 62.4 | 0.00308 | 0.139 | 0.000434 | 11.8 | 0.0491 | 10.9 | 0.00000553 | 0.00916 | 0.0082 | 0.00551 | 0.0161 | 0.0000116 | 9.49 | 0.00000437 | 0.0000962 | 0.000151 | 0.000631 | 0.0317 |
| 2054 Aug | 58.3 | 0.00194 | 0.13 | 0.000527 | 11 | 0.0462 | 10.2 | 0.00000549 | 0.00928 | 0.00773 | 0.00546 | 0.0149 | 0.0000115 | 8.91 | 0.00000425 | 0.0000933 | 0.000139 | 0.000609 | 0.0316 |
| 2054 Sep | 59.7 | 0.00208 | 0.135 | 0.00065 | 11.2 | 0.0467 | 10.5 | 0.0000055 | 0.00957 | 0.00807 | 0.00548 | 0.015 | 0.0000115 | 9.11 | 0.00000433 | 0.0000953 | 0.000138 | 0.000627 | 0.0327 |
| 2054 Oct | 59.4 | 0.0024 | 0.131 | 0.000736 | 11.2 | 0.0475 | 10.4 | 0.00000545 | 0.00965 | 0.00787 | 0.00543 | 0.0149 | 0.0000114 | 9.05 | 0.00000502 | 0.0000936 | 0.000145 | 0.000639 | 0.0313 |
| 2054 Nov | 62 | 0.00228 | 0.138 | 0.000801 | 11.7 | 0.0492 | 10.9 | 0.00000548 | 0.0101 | 0.00835 | 0.00545 | 0.0155 | 0.0000115 | 9.44 | 0.00000537 | 0.0000961 | 0.000153 | 0.000668 | 0.0324 |
| 2054 Dec | 62.6 | 0.0023 | 0.14 | 0.00081 | 11.8 | 0.0495 | 11 | 0.00000548 | 0.0101 | 0.00847 | 0.00546 | 0.0156 | 0.0000115 | 9.53 | 0.00000537 | 0.0000968 | 0.000154 | 0.000673 | 0.0327 |
| 2055 Jan | 62.7 | 0.0023 | 0.14 | 0.000811 | 11.9 | 0.0495 | 11 | 0.00000548 | 0.0101 | 0.00848 | 0.00546 | 0.0157 | 0.0000115 | 9.54 | 0.00000537 | 0.0000969 | 0.000154 | 0.000674 | 0.0328 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 62.7 | 0.00231 | 0.14 | 0.000811 | 11.9 | 0.0495 | 11 | 0.00000548 | 0.0101 | 0.00849 | 0.00546 | 0.0157 | 0.0000115 | 9.54 | 0.00000537 | 0.0000969 | 0.000154 | 0.000674 | 0.0328 |
| 2055 Mar | 62.7 | 0.00231 | 0.14 | 0.000811 | 11.9 | 0.0495 | 11.1 | 0.00000549 | 0.0101 | 0.00849 | 0.00546 | 0.0157 | 0.0000115 | 9.54 | 0.00000537 | 0.000097 | 0.000154 | 0.000674 | 0.0328 |
| 2055 Apr | 62.8 | 0.00231 | 0.14 | 0.000812 | 11.9 | 0.0495 | 11.1 | 0.00000549 | 0.0101 | 0.00849 | 0.00547 | 0.0157 | 0.0000115 | 9.55 | 0.00000537 | 0.000097 | 0.000154 | 0.000674 | 0.0328 |
| 2055 May | 63.1 | 0.00232 | 0.141 | 0.000816 | 11.9 | 0.0498 | 11.1 | 0.00000552 | 0.0102 | 0.00853 | 0.00549 | 0.0158 | 0.0000116 | 9.6 | 0.00000539 | 0.0000975 | 0.000155 | 0.000678 | 0.0329 |
| 2055 Jun | 61.7 | 0.00432 | 0.131 | 0.000707 | 11.8 | 0.0497 | 10.6 | 0.00000543 | 0.00859 | 0.00776 | 0.00541 | 0.016 | 0.0000114 | 9.37 | 0.00000445 | 0.000093 | 0.000147 | 0.00062 | 0.0296 |
| 2055 Jul | 62.6 | 0.00374 | 0.135 | 0.000719 | 11.9 | 0.05 | 10.8 | 0.00000551 | 0.00891 | 0.00801 | 0.00549 | 0.0163 | 0.0000115 | 9.52 | 0.00000432 | 0.0000951 | 0.000151 | 0.00063 | 0.0311 |
| 2055 Aug | 58 | 0.0028 | 0.124 | 0.000598 | 11 | 0.047 | 9.99 | 0.00000551 | 0.00894 | 0.00734 | 0.00548 | 0.0151 | 0.0000115 | 8.86 | 0.00000419 | 0.0000918 | 0.000145 | 0.000601 | 0.0306 |
| 2055 Sep | 56.3 | 0.00269 | 0.122 | 0.000494 | 10.7 | 0.0454 | 9.69 | 0.00000545 | 0.009 | 0.00713 | 0.00543 | 0.0145 | 0.0000114 | 8.59 | 0.00000412 | 0.0000905 | 0.000135 | 0.000593 | 0.0307 |
| 2055 Oct | 58.5 | 0.00302 | 0.13 | 0.000494 | 11 | 0.0463 | 10.1 | 0.00000548 | 0.00929 | 0.00755 | 0.00545 | 0.0149 | 0.0000114 | 8.91 | 0.00000424 | 0.0000929 | 0.000138 | 0.000615 | 0.0319 |
| 2055 Nov | 59.3 | 0.00299 | 0.133 | 0.000498 | 11.2 | 0.0467 | 10.3 | 0.00000548 | 0.00939 | 0.0077 | 0.00546 | 0.015 | 0.0000115 | 9.01 | 0.00000428 | 0.0000938 | 0.00014 | 0.000622 | 0.0322 |
| 2055 Dec | 59.7 | 0.00298 | 0.134 | 0.000501 | 11.2 | 0.0469 | 10.3 | 0.00000549 | 0.00944 | 0.00778 | 0.00546 | 0.0151 | 0.0000115 | 9.07 | 0.0000043 | 0.0000942 | 0.00014 | 0.000626 | 0.0323 |
| 2056 Jan | 59.8 | 0.00298 | 0.135 | 0.000502 | 11.3 | 0.047 | 10.4 | 0.00000549 | 0.00946 | 0.0078 | 0.00546 | 0.0151 | 0.0000115 | 9.09 | 0.0000043 | 0.0000944 | 0.000141 | 0.000627 | 0.0324 |
| 2056 Feb | 59.8 | 0.00298 | 0.135 | 0.000502 | 11.3 | 0.047 | 10.4 | 0.00000549 | 0.00946 | 0.0078 | 0.00546 | 0.0151 | 0.0000115 | 9.09 | 0.0000043 | 0.0000944 | 0.000141 | 0.000628 | 0.0324 |
| 2056 Mar | 59.8 | 0.00298 | 0.135 | 0.000502 | 11.3 | 0.047 | 10.4 | 0.00000549 | 0.00947 | 0.00781 | 0.00546 | 0.0151 | 0.0000115 | 9.1 | 0.00000431 | 0.0000944 | 0.000141 | 0.000628 | 0.0324 |
| 2056 Apr | 59.9 | 0.00298 | 0.135 | 0.000502 | 11.3 | 0.047 | 10.4 | 0.00000549 | 0.00947 | 0.00781 | 0.00547 | 0.0151 | 0.0000115 | 9.1 | 0.00000431 | 0.0000945 | 0.000141 | 0.000628 | 0.0324 |
| 2056 May | 58.4 | 0.00371 | 0.128 | 0.000543 | 10.9 | 0.0466 | 10.1 | 0.00000549 | 0.00906 | 0.00741 | 0.00546 | 0.0149 | 0.0000114 | 8.85 | 0.00000422 | 0.0000925 | 0.000136 | 0.000611 | 0.0307 |
| 2056 Jun | 62.4 | 0.00578 | 0.134 | 0.000575 | 11.8 | 0.0496 | 10.6 | 0.00000542 | 0.00875 | 0.0077 | 0.00539 | 0.0162 | 0.0000113 | 9.41 | 0.00000422 | 0.0000935 | 0.000145 | 0.000626 | 0.0303 |
| 2056 Jul | 62.7 | 0.00494 | 0.133 | 0.000512 | 11.9 | 0.0502 | 10.6 | 0.00000551 | 0.00873 | 0.00767 | 0.00549 | 0.0163 | 0.0000115 | 9.49 | 0.00000426 | 0.000094 | 0.000149 | 0.000625 | 0.0306 |
| 2056 Aug | 61.2 | 0.0047 | 0.128 | 0.000521 | 11.7 | 0.0495 | 10.3 | 0.00000559 | 0.00872 | 0.00738 | 0.00556 | 0.016 | 0.0000116 | 9.27 | 0.00000424 | 0.0000932 | 0.000148 | 0.000615 | 0.0304 |
| 2056 Sep | 58.7 | 0.00484 | 0.121 | 0.000523 | 11.2 | 0.0481 | 9.91 | 0.00000559 | 0.0085 | 0.00696 | 0.00556 | 0.0154 | 0.0000116 | 8.92 | 0.00000415 | 0.000091 | 0.000142 | 0.000596 | 0.0295 |
| 2056 Oct | 55.6 | 0.00395 | 0.114 | 0.000558 | 10.7 | 0.0464 | 9.35 | 0.00000548 | 0.00862 | 0.00642 | 0.00546 | 0.0144 | 0.0000114 | 8.45 | 0.00000458 | 0.0000874 | 0.000139 | 0.000587 | 0.0282 |
| 2056 Nov | 57.8 | 0.00351 | 0.121 | 0.000589 | 11.1 | 0.0475 | 9.72 | 0.0000055 | 0.00904 | 0.0068 | 0.00548 | 0.0149 | 0.0000114 | 8.76 | 0.00000477 | 0.0000897 | 0.000144 | 0.000611 | 0.0295 |
| 2056 Dec | 58.1 | 0.00349 | 0.122 | 0.000592 | 11.1 | 0.0476 | 9.78 | 0.00000551 | 0.00909 | 0.00686 | 0.00548 | 0.0149 | 0.0000114 | 8.8 | 0.00000477 | 0.0000901 | 0.000144 | 0.000614 | 0.0296 |
| 2057 Jan | 58.1 | 0.00349 | 0.123 | 0.000593 | 11.1 | 0.0476 | 9.78 | 0.00000551 | 0.0091 | 0.00687 | 0.00548 | 0.0149 | 0.0000114 | 8.81 | 0.00000477 | 0.0000901 | 0.000144 | 0.000614 | 0.0297 |
| 2057 Feb | 58.1 | 0.00349 | 0.123 | 0.000593 | 11.1 | 0.0476 | 9.79 | 0.00000551 | 0.0091 | 0.00687 | 0.00548 | 0.0149 | 0.0000114 | 8.81 | 0.00000477 | 0.0000901 | 0.000144 | 0.000614 | 0.0297 |
| 2057 Mar | 58.2 | 0.00349 | 0.123 | 0.000593 | 11.1 | 0.0476 | 9.79 | 0.00000551 | 0.0091 | 0.00687 | 0.00548 | 0.0149 | 0.0000114 | 8.81 | 0.00000478 | 0.0000901 | 0.000144 | 0.000614 | 0.0297 |
| 2057 Apr | 58.2 | 0.0035 | 0.123 | 0.000594 | 11.1 | 0.0477 | 9.79 | 0.00000551 | 0.0091 | 0.00687 | 0.00549 | 0.015 | 0.0000115 | 8.82 | 0.00000478 | 0.0000902 | 0.000144 | 0.000615 | 0.0297 |
| 2057 May | 56 | 0.00422 | 0.115 | 0.000627 | 10.6 | 0.0465 | 9.4 | 0.00000549 | 0.00852 | 0.00641 | 0.00546 | 0.0146 | 0.0000114 | 8.46 | 0.00000451 | 0.0000876 | 0.000136 | 0.000588 | 0.0277 |
| 2057 Jun | 62.1 | 0.00584 | 0.133 | 0.00065 | 11.7 | 0.0493 | 10.3 | 0.00000547 | 0.00859 | 0.00723 | 0.00544 | 0.0161 | 0.0000114 | 9.3 | 0.00000418 | 0.0000922 | 0.000143 | 0.000615 | 0.0298 |
| 2057 Jul | 61.3 | 0.00492 | 0.131 | 0.000572 | 11.7 | 0.049 | 10.2 | 0.00000554 | 0.00869 | 0.0071 | 0.00551 | 0.016 | 0.0000115 | 9.23 | 0.00000417 | 0.000092 | 0.000146 | 0.000611 | 0.0302 |
| 2057 Aug | 58.6 | 0.00428 | 0.123 | 0.000565 | 11.2 | 0.0476 | 9.69 | 0.0000056 | 0.00868 | 0.00668 | 0.00558 | 0.0154 | 0.0000116 | 8.86 | 0.00000412 | 0.0000904 | 0.000144 | 0.000593 | 0.0299 |
| 2057 Sep | 54.9 | 0.00432 | 0.114 | 0.000569 | 10.5 | 0.045 | 9.06 | 0.00000552 | 0.00838 | 0.00613 | 0.0055 | 0.0143 | 0.0000114 | 8.31 | 0.00000396 | 0.0000868 | 0.000133 | 0.000564 | 0.0288 |
| 2057 Oct | 57.3 | 0.00377 | 0.124 | 0.00063 | 10.9 | 0.0459 | 9.47 | 0.0000055 | 0.00889 | 0.00653 | 0.00548 | 0.0146 | 0.0000114 | 8.64 | 0.00000428 | 0.000089 | 0.000137 | 0.000593 | 0.0302 |
| 2057 Nov | 59 | 0.00352 | 0.13 | 0.00065 | 11.3 | 0.0469 | 9.77 | 0.00000552 | 0.00916 | 0.00682 | 0.0055 | 0.015 | 0.0000115 | 8.89 | 0.0000044 | 0.0000907 | 0.000141 | 0.00061 | 0.0311 |
| 2057 Dec | 59.2 | 0.00351 | 0.131 | 0.000652 | 11.3 | 0.047 | 9.8 | 0.00000553 | 0.00918 | 0.00686 | 0.0055 | 0.015 | 0.0000115 | 8.92 | 0.0000044 | 0.0000909 | 0.000141 | 0.000612 | 0.0312 |
| 2058 Jan | 59.2 | 0.00351 | 0.131 | 0.000653 | 11.3 | 0.047 | 9.8 | 0.00000553 | 0.00918 | 0.00686 | 0.0055 | 0.015 | 0.0000115 | 8.92 | 0.0000044 | 0.000091 | 0.000141 | 0.000612 | 0.0312 |
| 2058 Feb | 59.3 | 0.00351 | 0.131 | 0.000653 | 11.3 | 0.047 | 9.8 | 0.00000553 | 0.00918 | 0.00686 | 0.0055 | 0.0151 | 0.0000115 | 8.92 | 0.0000044 | 0.000091 | 0.000141 | 0.000612 | 0.0312 |
| 2058 Mar | 59.3 | 0.00351 | 0.131 | 0.000653 | 11.3 | 0.047 | 9.8 | 0.00000553 | 0.00918 | 0.00686 | 0.0055 | 0.0151 | 0.0000115 | 8.92 | 0.0000044 | 0.000091 | 0.000141 | 0.000612 | 0.0312 |
| 2058 Apr | 59.3 | 0.00351 | 0.131 | 0.000653 | 11.3 | 0.047 | 9.81 | 0.00000553 | 0.00919 | 0.00687 | 0.0055 | 0.0151 | 0.0000115 | 8.93 | 0.00000441 | 0.000091 | 0.000141 | 0.000612 | 0.0312 |
| 2058 May | 58 | 0.00403 | 0.125 | 0.000678 | 11 | 0.0465 | 9.58 | 0.00000552 | 0.0088 | 0.00657 | 0.0055 | 0.0149 | 0.0000114 | 8.71 | 0.00000429 | 0.0000894 | 0.000136 | 0.000596 | 0.0298 |
| 2058 Jun | 63.1 | 0.00542 | 0.136 | 0.000626 | 12 | 0.0503 | 10.4 | 0.00000546 | 0.0089 | 0.00717 | 0.00542 | 0.0164 | 0.0000113 | 9.44 | 0.00000416 | 0.0000928 | 0.000146 | 0.00063 | 0.0304 |
| 2058 Jul | 65.1 | 0.00461 | 0.142 | 0.000595 | 12.5 | 0.0523 | 10.7 | 0.0000056 | 0.00945 | 0.00748 | 0.00556 | 0.017 | 0.0000116 | 9.78 | 0.00000429 | 0.0000964 | 0.000154 | 0.00066 | 0.0319 |
| 2058 Aug | 63.1 | 0.00441 | 0.135 | 0.0006 | 12.1 | 0.0513 | 10.4 | 0.00000567 | 0.00937 | 0.00714 | 0.00562 | 0.0166 | 0.0000118 | 9.5 | 0.00000425 | 0.0000951 | 0.000151 | 0.000645 | 0.0313 |
| 2058 Sep | 55.9 | 0.00466 | 0.116 | 0.000615 | 10.7 | 0.0468 | 9.2 | 0.00000553 | 0.00883 | 0.0061 | 0.00549 | 0.0147 | 0.0000114 | 8.45 | 0.00000398 | 0.0000886 | 0.000133 | 0.000593 | 0.029 |
| 2058 Oct | 57.6 | 0.00384 | 0.125 | 0.00058 | 11 | 0.0477 | 9.5 | 0.00000551 | 0.00962 | 0.0064 | 0.00547 | 0.0149 | 0.0000114 | 8.67 | 0.0000043 | 0.0000911 | 0.000137 | 0.000628 | 0.0304 |
| 2058 Nov | 59.6 | 0.00337 | 0.131 | 0.000531 | 11.4 | 0.049 | 9.85 | 0.00000554 | 0.01 | 0.00673 | 0.00549 | 0.0154 | 0.0000115 | 8.96 | 0.0000045 | 0.0000933 | 0.000142 | 0.000652 | 0.0314 |
| 2058 Dec | 59.9 | 0.00334 | 0.133 | 0.000526 | 11.4 | 0.0491 | 9.9 | 0.00000554 | 0.0101 | 0.00678 | 0.00549 | 0.0154 | 0.0000115 | 9.01 | 0.00000451 | 0.0000936 | 0.000143 | 0.000655 | 0.0315 |
| 2059 Jan | 60 | 0.00333 | 0.133 | 0.000525 | 11.4 | 0.0491 | 9.91 | 0.00000554 | 0.0101 | 0.00679 | 0.00549 | 0.0155 | 0.0000115 | 9.01 | 0.00000452 | 0.0000936 | 0.000143 | 0.000656 | 0.0316 |
| 2059 Feb | 60 | 0.00333 | 0.133 | 0.000525 | 11.4 | 0.0491 | 9.91 | 0.00000554 | 0.0101 | 0.00679 | 0.00549 | 0.0155 | 0.0000115 | 9.01 | 0.00000452 | 0.0000937 | 0.000143 | 0.000656 | 0.0316 |
| 2059 Mar | 60 | 0.00333 | 0.133 | 0.000524 | 11.4 | 0.0491 | 9.91 | 0.00000554 | 0.0101 | 0.00679 | 0.00549 | 0.0155 | 0.0000115 | 9.02 | 0.00000452 | 0.0000937 | 0.000143 | 0.000656 | 0.0316 |
| 2059 Apr | 60 | 0.00334 | 0.133 | 0.000525 | 11.5 | 0.0492 | 9.92 | 0.00000555 | 0.0101 | 0.0068 | 0.0055 | 0.0155 | 0.0000115 | 9.03 | 0.00000452 | 0.0000938 | 0.000143 | 0.000657 | 0.0316 |
| 2059 May | 58.1 | 0.00381 | 0.125 | 0.000513 | 11 | 0.0483 | 9.59 | 0.00000554 | 0.00959 | 0.00641 | 0.00549 | 0.0151 | 0.0000114 | 8.73 | 0.00000438 | 0.0000914 | 0.000137 | 0.000633 | 0.0299 |
| 2059 Jun | 61.3 | 0.00566 | 0.131 | 0.000603 | 11.6 | 0.0501 | 10 | 0.0000055 | 0.00909 | 0.00667 | 0.00546 | 0.0161 | 0.0000114 | 9.15 | 0.00000411 | 0.0000922 | 0.000141 | 0.000632 | 0.0295 |
| 2059 Jul | 61.7 | 0.00553 | 0.13 | 0.000641 | 11.8 | 0.0507 | 10 | 0.00000561 | 0.00905 | 0.00661 | 0.00556 | 0.0163 | 0.0000116 | 9.23 | 0.00000414 | 0.0000927 | 0.000145 | 0.000631 | 0.0296 |
| 2059 Aug | 59.5 | 0.00522 | 0.123 | 0.000647 | 11.4 | 0.0496 | 9.63 | 0.00000565 | 0.00894 | 0.00627 | 0.00561 | 0.0158 | 0.0000117 | 8.93 | 0.00000409 | 0.0000911 | 0.000142 | 0.000614 | 0.0291 |
| 2059 Sep | 55.1 | 0.00502 | 0.112 | 0.000601 | 10.5 | 0.0465 | 8.89 | 0.00000556 | 0.00857 | 0.00567 | 0.00552 | 0.0146 | 0.0000114 | 8.29 | 0.00000392 | 0.0000869 | 0.000131 | 0.000578 | 0.028 |
| 2059 Oct | 58 | 0.00339 | 0.126 | 0.00047 | 11.2 | 0.0478 | 9.36 | 0.00000551 | 0.00957 | 0.00614 | 0.00547 | 0.0149 | 0.0000114 | 8.7 | 0.00000466 | 0.0000893 | 0.000141 | 0.000625 | 0.0299 |
| 2059 Nov | 60.7 | 0.00305 | 0.135 | 0.000467 | 11.7 | 0.0493 | 9.8 | 0.00000555 | 0.01 | 0.00656 | 0.0055 | 0.0155 | 0.0000115 | 9.08 | 0.00000482 | 0.0000921 | 0.000147 | 0.000652 | 0.0313 |
| 2059 Dec | 61 | 0.00303 | 0.136 | 0.000467 | 11.7 | 0.0494 | 9.85 | 0.00000555 | 0.01 | 0.00661 | 0.00551 | 0.0156 | 0.0000115 | 9.12 | 0.00000483 | 0.0000924 | 0.000148 | 0.000654 | 0.0315 |
| 2060 Jan | 61 | 0.00303 | 0.136 | 0.000467 | 11.7 | 0.0494 | 9.86 | 0.00000555 | 0.01 | 0.00662 | 0.00551 | 0.0156 | 0.0000115 | 9.12 | 0.00000482 | 0.0000925 | 0.000148 | 0.000655 | 0.0315 |
| 2060 Feb | 61 | 0.00304 | 0.136 | 0.000467 | 11.7 | 0.0494 | 9.86 | 0.00000555 | 0.01 | 0.00662 | 0.00551 | 0.0156 | 0.0000115 | 9.13 | 0.00000482 | 0.0000925 | 0.000148 | 0.000655 | 0.0315 |
| 2060 Mar | 61 | 0.00304 | 0.136 | 0.000467 | 11.7 | 0.0494 | 9.86 | 0.00000555 | 0.01 | 0.00662 | 0.00551 | 0.0156 | 0.0000115 | 9.13 | 0.00000482 | 0.0000925 | 0.000148 | 0.000655 | 0.0315 |
| 2060 Apr | 61.1 | 0.00304 | 0.136 | 0.000468 | 11.7 | 0.0495 | 9.87 | 0.00000556 | 0.0101 | 0.00663 | 0.00551 | 0.0156 | 0.0000115 | 9.14 | 0.00000483 | 0.0000926 | 0.000148 | 0.000656 | 0.0315 |
| 2060 May | 59 | 0.00507 | 0.127 | 0.000611 | 11.1 | 0.0479 | 9.5 | 0.0000055 | 0.00905 | 0.00623 | 0.00546 | 0.0153 | 0.0000114 | 8.77 | 0.00000431 | 0.0000894 | 0.000137 | 0.000614 | 0.0291 |
| 2060 Jun | 62.3 | 0.00696 | 0.135 | 0.000749 | 11.7 | 0.0492 | 10 | 0.00000548 | 0.00894 | 0.00674 | 0.00544 | 0.0161 | 0.0000113 | 9.24 | 0.00000409 | 0.0000914 | 0.000142 | 0.000623 | 0.0305 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 61 | 0.0067 | 0.129 | 0.000694 | 11.6 | 0.049 | 9.76 | 0.00000556 | 0.00879 | 0.00646 | 0.00553 | 0.0159 | 0.0000115 | 9.08 | 0.00000407 | 0.0000905 | 0.000143 | 0.000611 | 0.03 |
| 2060 Aug | 54.3 | 0.00451 | 0.112 | 0.000578 | 10.4 | 0.0449 | 8.62 | 0.00000547 | 0.00853 | 0.00556 | 0.00544 | 0.0143 | 0.0000113 | 8.16 | 0.00000384 | 0.0000848 | 0.000134 | 0.000561 | 0.0286 |
| 2060 Sep | 56.1 | 0.00315 | 0.123 | 0.000587 | 10.8 | 0.045 | 8.93 | 0.00000543 | 0.00909 | 0.00595 | 0.00539 | 0.0144 | 0.0000112 | 8.4 | 0.0000039 | 0.000087 | 0.000132 | 0.000586 | 0.0306 |
| 2060 Oct | 58.7 | 0.0031 | 0.131 | 0.000667 | 11.3 | 0.0467 | 9.38 | 0.00000544 | 0.00949 | 0.00634 | 0.0054 | 0.0149 | 0.0000112 | 8.77 | 0.00000426 | 0.0000892 | 0.000139 | 0.000616 | 0.0317 |
| 2060 Nov | 60.4 | 0.00283 | 0.136 | 0.000691 | 11.6 | 0.0477 | 9.66 | 0.00000546 | 0.00976 | 0.0066 | 0.00542 | 0.0153 | 0.0000113 | 9.01 | 0.00000441 | 0.0000908 | 0.000144 | 0.000634 | 0.0324 |
| 2060 Dec | 60.6 | 0.00281 | 0.137 | 0.000694 | 11.6 | 0.0478 | 9.7 | 0.00000546 | 0.00979 | 0.00664 | 0.00542 | 0.0153 | 0.0000113 | 9.05 | 0.00000441 | 0.0000911 | 0.000144 | 0.000636 | 0.0325 |
| 2061 Jan | 60.6 | 0.00281 | 0.137 | 0.000695 | 11.6 | 0.0478 | 9.7 | 0.00000546 | 0.00979 | 0.00664 | 0.00542 | 0.0154 | 0.0000113 | 9.05 | 0.00000441 | 0.0000911 | 0.000145 | 0.000636 | 0.0326 |
| 2061 Feb | 60.6 | 0.00281 | 0.137 | 0.000695 | 11.6 | 0.0478 | 9.7 | 0.00000546 | 0.00979 | 0.00664 | 0.00542 | 0.0154 | 0.0000113 | 9.05 | 0.00000441 | 0.0000911 | 0.000145 | 0.000636 | 0.0326 |
| 2061 Mar | 60.6 | 0.00281 | 0.137 | 0.000695 | 11.6 | 0.0478 | 9.7 | 0.00000546 | 0.00979 | 0.00664 | 0.00542 | 0.0154 | 0.0000113 | 9.05 | 0.00000441 | 0.0000911 | 0.000145 | 0.000636 | 0.0326 |
| 2061 Apr | 60.7 | 0.00282 | 0.137 | 0.000696 | 11.6 | 0.0479 | 9.72 | 0.00000547 | 0.0098 | 0.00665 | 0.00543 | 0.0154 | 0.0000113 | 9.06 | 0.00000442 | 0.0000912 | 0.000145 | 0.000637 | 0.0326 |
| 2061 May | 57.8 | 0.0036 | 0.126 | 0.000708 | 11 | 0.0467 | 9.24 | 0.00000545 | 0.00909 | 0.0061 | 0.00541 | 0.0149 | 0.0000112 | 8.62 | 0.00000422 | 0.000088 | 0.000136 | 0.000605 | 0.03 |
| 2061 Jun | 60.4 | 0.00526 | 0.127 | 0.000665 | 11.6 | 0.0487 | 9.54 | 0.00000535 | 0.00848 | 0.00627 | 0.00531 | 0.0159 | 0.000011 | 9 | 0.00000392 | 0.0000876 | 0.000143 | 0.000599 | 0.0294 |
| 2061 Jul | 58.2 | 0.00377 | 0.122 | 0.000648 | 11.3 | 0.0475 | 9.16 | 0.0000054 | 0.00852 | 0.00602 | 0.00537 | 0.0154 | 0.0000111 | 8.72 | 0.00000389 | 0.0000864 | 0.000145 | 0.000584 | 0.0296 |
| 2061 Aug | 56.4 | 0.00321 | 0.117 | 0.000668 | 10.9 | 0.0464 | 8.86 | 0.00000546 | 0.00862 | 0.00579 | 0.00543 | 0.0149 | 0.0000112 | 8.47 | 0.00000387 | 0.0000857 | 0.000143 | 0.000575 | 0.0297 |
| 2061 Sep | 54 | 0.00309 | 0.112 | 0.000637 | 10.5 | 0.0447 | 8.48 | 0.00000543 | 0.00852 | 0.00548 | 0.0054 | 0.0142 | 0.0000112 | 8.12 | 0.00000379 | 0.0000838 | 0.000135 | 0.000558 | 0.0291 |
| 2061 Oct | 54.3 | 0.00292 | 0.113 | 0.000499 | 10.5 | 0.0451 | 8.52 | 0.00000538 | 0.00889 | 0.00546 | 0.00534 | 0.0141 | 0.0000111 | 8.14 | 0.00000433 | 0.0000836 | 0.000137 | 0.000578 | 0.0289 |
| 2061 Nov | 56.7 | 0.00268 | 0.121 | 0.000466 | 11 | 0.0465 | 8.9 | 0.0000054 | 0.0093 | 0.0058 | 0.00536 | 0.0146 | 0.0000111 | 8.47 | 0.00000454 | 0.0000858 | 0.000143 | 0.000603 | 0.03 |
| 2061 Dec | 57 | 0.00268 | 0.122 | 0.000464 | 11 | 0.0466 | 8.96 | 0.00000541 | 0.00935 | 0.00586 | 0.00537 | 0.0147 | 0.0000111 | 8.52 | 0.00000455 | 0.0000862 | 0.000143 | 0.000606 | 0.0302 |
| 2062 Jan | 57 | 0.00268 | 0.122 | 0.000463 | 11.1 | 0.0466 | 8.96 | 0.00000541 | 0.00935 | 0.00586 | 0.00537 | 0.0147 | 0.0000111 | 8.53 | 0.00000455 | 0.0000862 | 0.000143 | 0.000607 | 0.0303 |
| 2062 Feb | 57 | 0.00268 | 0.122 | 0.000463 | 11.1 | 0.0466 | 8.96 | 0.00000541 | 0.00935 | 0.00586 | 0.00537 | 0.0147 | 0.0000111 | 8.53 | 0.00000455 | 0.0000862 | 0.000143 | 0.000607 | 0.0303 |
| 2062 Mar | 57.1 | 0.00268 | 0.122 | 0.000463 | 11.1 | 0.0467 | 8.97 | 0.00000541 | 0.00935 | 0.00587 | 0.00537 | 0.0147 | 0.0000111 | 8.53 | 0.00000455 | 0.0000862 | 0.000143 | 0.000607 | 0.0303 |
| 2062 Apr | 57.1 | 0.00269 | 0.122 | 0.000464 | 11.1 | 0.0467 | 8.97 | 0.00000541 | 0.00936 | 0.00587 | 0.00537 | 0.0147 | 0.0000111 | 8.54 | 0.00000455 | 0.0000863 | 0.000144 | 0.000607 | 0.0303 |
| 2062 May | 57.3 | 0.0027 | 0.123 | 0.000465 | 11.1 | 0.0469 | 9.01 | 0.00000543 | 0.0094 | 0.00589 | 0.0054 | 0.0147 | 0.0000112 | 8.57 | 0.00000457 | 0.0000867 | 0.000144 | 0.00061 | 0.0304 |
| 2062 Jun | 58.4 | 0.00441 | 0.121 | 0.00049 | 11.4 | 0.048 | 9.06 | 0.00000535 | 0.00837 | 0.00571 | 0.00532 | 0.0154 | 0.000011 | 8.71 | 0.00000401 | 0.000085 | 0.000142 | 0.000584 | 0.0285 |
| 2062 Jul | 60.6 | 0.00343 | 0.13 | 0.000462 | 11.8 | 0.0494 | 9.46 | 0.00000542 | 0.00919 | 0.00618 | 0.00537 | 0.016 | 0.0000112 | 9.04 | 0.00000395 | 0.0000891 | 0.000149 | 0.000619 | 0.031 |
| 2062 Aug | 56.8 | 0.00288 | 0.119 | 0.000493 | 11 | 0.0472 | 8.85 | 0.00000545 | 0.00914 | 0.00568 | 0.0054 | 0.0151 | 0.0000112 | 8.51 | 0.00000386 | 0.0000868 | 0.000141 | 0.000596 | 0.0301 |
| 2062 Sep | 53.2 | 0.00309 | 0.112 | 0.000583 | 10.3 | 0.0448 | 8.31 | 0.00000538 | 0.00908 | 0.00524 | 0.00533 | 0.014 | 0.000011 | 7.98 | 0.00000375 | 0.0000843 | 0.000129 | 0.000577 | 0.0293 |
| 2062 Oct | 56.5 | 0.00301 | 0.121 | 0.00078 | 10.9 | 0.0471 | 8.82 | 0.00000532 | 0.00983 | 0.00566 | 0.00527 | 0.0146 | 0.0000109 | 8.42 | 0.0000046 | 0.0000862 | 0.000142 | 0.000626 | 0.0302 |
| 2062 Nov | 59.8 | 0.00285 | 0.131 | 0.000842 | 11.6 | 0.049 | 9.35 | 0.00000536 | 0.0103 | 0.00617 | 0.00531 | 0.0154 | 0.0000111 | 8.9 | 0.00000478 | 0.0000894 | 0.000151 | 0.000658 | 0.032 |
| 2062 Dec | 60.1 | 0.00286 | 0.132 | 0.000847 | 11.6 | 0.0491 | 9.4 | 0.00000537 | 0.0104 | 0.00622 | 0.00531 | 0.0154 | 0.0000111 | 8.94 | 0.00000477 | 0.0000898 | 0.000151 | 0.000661 | 0.0322 |
| 2063 Jan | 60.1 | 0.00287 | 0.132 | 0.000848 | 11.6 | 0.0491 | 9.41 | 0.00000537 | 0.0104 | 0.00622 | 0.00531 | 0.0154 | 0.0000111 | 8.95 | 0.00000477 | 0.0000898 | 0.000151 | 0.000661 | 0.0322 |
| 2063 Feb | 60.1 | 0.00287 | 0.132 | 0.000848 | 11.6 | 0.0491 | 9.41 | 0.00000537 | 0.0104 | 0.00622 | 0.00532 | 0.0154 | 0.0000111 | 8.95 | 0.00000477 | 0.0000898 | 0.000151 | 0.000661 | 0.0322 |
| 2063 Mar | 60.1 | 0.00287 | 0.132 | 0.000848 | 11.6 | 0.0491 | 9.41 | 0.00000537 | 0.0104 | 0.00622 | 0.00532 | 0.0154 | 0.0000111 | 8.95 | 0.00000477 | 0.0000898 | 0.000151 | 0.000661 | 0.0322 |
| 2063 Apr | 60.2 | 0.00287 | 0.132 | 0.000848 | 11.6 | 0.0491 | 9.41 | 0.00000537 | 0.0104 | 0.00623 | 0.00532 | 0.0154 | 0.0000111 | 8.95 | 0.00000477 | 0.0000898 | 0.000151 | 0.000661 | 0.0322 |
| 2063 May | 58.6 | 0.00329 | 0.126 | 0.00084 | 11.3 | 0.0484 | 9.17 | 0.00000538 | 0.00998 | 0.00595 | 0.00533 | 0.0152 | 0.0000111 | 8.72 | 0.00000463 | 0.0000882 | 0.000146 | 0.000642 | 0.0309 |
| 2063 Jun | 58.2 | 0.00548 | 0.119 | 0.000629 | 11.3 | 0.0481 | 8.89 | 0.00000528 | 0.00831 | 0.00547 | 0.00523 | 0.0155 | 0.0000108 | 8.64 | 0.00000375 | 0.0000841 | 0.00014 | 0.000582 | 0.0282 |
| 2063 Jul | 60.3 | 0.00406 | 0.127 | 0.000469 | 11.8 | 0.049 | 9.2 | 0.00000536 | 0.0087 | 0.00584 | 0.00532 | 0.0159 | 0.000011 | 8.96 | 0.00000385 | 0.0000865 | 0.000148 | 0.000601 | 0.0302 |
| 2063 Aug | 58.8 | 0.00389 | 0.122 | 0.000469 | 11.5 | 0.0484 | 8.96 | 0.00000546 | 0.0087 | 0.00561 | 0.00542 | 0.0156 | 0.0000112 | 8.76 | 0.00000385 | 0.0000861 | 0.000147 | 0.000592 | 0.03 |
| 2063 Sep | 56.7 | 0.00391 | 0.116 | 0.000466 | 11.1 | 0.0472 | 8.64 | 0.00000548 | 0.00853 | 0.00533 | 0.00544 | 0.0151 | 0.0000112 | 8.48 | 0.0000038 | 0.0000846 | 0.000142 | 0.000576 | 0.0292 |
| 2063 Oct | 55 | 0.00371 | 0.11 | 0.000453 | 10.8 | 0.0465 | 8.38 | 0.00000545 | 0.00848 | 0.00508 | 0.00541 | 0.0146 | 0.0000112 | 8.23 | 0.00000399 | 0.0000829 | 0.00014 | 0.000568 | 0.0284 |
| 2063 Nov | 55.2 | 0.00363 | 0.111 | 0.000449 | 10.8 | 0.0466 | 8.41 | 0.00000546 | 0.00854 | 0.00511 | 0.00542 | 0.0147 | 0.0000112 | 8.26 | 0.00000403 | 0.0000832 | 0.00014 | 0.000571 | 0.0285 |
| 2063 Dec | 55.2 | 0.00363 | 0.111 | 0.000448 | 10.8 | 0.0466 | 8.41 | 0.00000546 | 0.00855 | 0.00511 | 0.00542 | 0.0147 | 0.0000112 | 8.26 | 0.00000403 | 0.0000832 | 0.00014 | 0.000571 | 0.0285 |
| 2064 Jan | 55.2 | 0.00363 | 0.111 | 0.000448 | 10.8 | 0.0466 | 8.41 | 0.00000546 | 0.00855 | 0.00511 | 0.00542 | 0.0147 | 0.0000112 | 8.26 | 0.00000403 | 0.0000832 | 0.00014 | 0.000571 | 0.0285 |
| 2064 Feb | 55.2 | 0.00363 | 0.111 | 0.000448 | 10.8 | 0.0465 | 8.41 | 0.00000546 | 0.00855 | 0.00511 | 0.00542 | 0.0147 | 0.0000112 | 8.26 | 0.00000403 | 0.0000832 | 0.00014 | 0.000571 | 0.0285 |
| 2064 Mar | 55.2 | 0.00363 | 0.111 | 0.000448 | 10.8 | 0.0466 | 8.41 | 0.00000546 | 0.00855 | 0.00511 | 0.00542 | 0.0147 | 0.0000112 | 8.26 | 0.00000403 | 0.0000832 | 0.00014 | 0.000571 | 0.0285 |
| 2064 Apr | 55.2 | 0.00364 | 0.111 | 0.000448 | 10.8 | 0.0466 | 8.41 | 0.00000546 | 0.00855 | 0.00511 | 0.00542 | 0.0147 | 0.0000112 | 8.26 | 0.00000403 | 0.0000832 | 0.00014 | 0.000572 | 0.0285 |
| 2064 May | 54.5 | 0.00436 | 0.109 | 0.000507 | 10.5 | 0.0459 | 8.3 | 0.00000542 | 0.0083 | 0.00495 | 0.00539 | 0.0145 | 0.0000111 | 8.11 | 0.00000391 | 0.0000823 | 0.000135 | 0.000562 | 0.0275 |
| 2064 Jun | 59.7 | 0.00625 | 0.125 | 0.000619 | 11.5 | 0.0488 | 9.04 | 0.0000054 | 0.00883 | 0.0055 | 0.00536 | 0.0158 | 0.0000111 | 8.8 | 0.00000382 | 0.0000866 | 0.000141 | 0.000605 | 0.0294 |
| 2064 Jul | 58.2 | 0.00589 | 0.119 | 0.000556 | 11.3 | 0.0486 | 8.79 | 0.00000549 | 0.00874 | 0.00523 | 0.00544 | 0.0156 | 0.0000112 | 8.62 | 0.00000381 | 0.0000859 | 0.000141 | 0.000594 | 0.0288 |
| 2064 Aug | 54.5 | 0.00481 | 0.109 | 0.00051 | 10.6 | 0.0464 | 8.2 | 0.0000055 | 0.0087 | 0.00478 | 0.00546 | 0.0147 | 0.0000112 | 8.11 | 0.00000372 | 0.0000836 | 0.000138 | 0.000571 | 0.0282 |
| 2064 Sep | 51.9 | 0.00439 | 0.105 | 0.000485 | 10.1 | 0.0445 | 7.82 | 0.00000544 | 0.00869 | 0.00448 | 0.00539 | 0.0139 | 0.0000111 | 7.74 | 0.00000364 | 0.0000818 | 0.000128 | 0.000557 | 0.0278 |
| 2064 Oct | 54.3 | 0.00408 | 0.115 | 0.000497 | 10.5 | 0.0458 | 8.2 | 0.00000546 | 0.00919 | 0.00481 | 0.00541 | 0.0144 | 0.0000112 | 8.07 | 0.00000373 | 0.0000845 | 0.000131 | 0.000585 | 0.0293 |
| 2064 Nov | 54.7 | 0.00404 | 0.116 | 0.000499 | 10.6 | 0.046 | 8.26 | 0.00000547 | 0.00926 | 0.00486 | 0.00542 | 0.0145 | 0.0000112 | 8.13 | 0.00000375 | 0.0000849 | 0.000132 | 0.000589 | 0.0295 |
| 2064 Dec | 54.8 | 0.00403 | 0.116 | 0.0005 | 10.6 | 0.046 | 8.27 | 0.00000547 | 0.00927 | 0.00486 | 0.00542 | 0.0145 | 0.0000112 | 8.13 | 0.00000375 | 0.000085 | 0.000132 | 0.00059 | 0.0295 |
| 2065 Jan | 54.8 | 0.00403 | 0.116 | 0.0005 | 10.6 | 0.046 | 8.27 | 0.00000547 | 0.00927 | 0.00487 | 0.00542 | 0.0145 | 0.0000112 | 8.14 | 0.00000375 | 0.000085 | 0.000132 | 0.00059 | 0.0295 |
| 2065 Feb | 54.8 | 0.00403 | 0.116 | 0.0005 | 10.6 | 0.046 | 8.27 | 0.00000547 | 0.00927 | 0.00487 | 0.00542 | 0.0145 | 0.0000112 | 8.14 | 0.00000375 | 0.000085 | 0.000133 | 0.00059 | 0.0296 |
| 2065 Mar | 54.9 | 0.00402 | 0.116 | 0.0005 | 10.6 | 0.0461 | 8.28 | 0.00000548 | 0.00928 | 0.00488 | 0.00542 | 0.0145 | 0.0000112 | 8.15 | 0.00000375 | 0.0000851 | 0.000133 | 0.000591 | 0.0296 |
| 2065 Apr | 54.9 | 0.00403 | 0.117 | 0.000501 | 10.6 | 0.0461 | 8.29 | 0.00000548 | 0.00929 | 0.00488 | 0.00543 | 0.0145 | 0.0000112 | 8.16 | 0.00000376 | 0.0000852 | 0.000133 | 0.000592 | 0.0296 |
| 2065 May | 53.2 | 0.00437 | 0.109 | 0.000521 | 10.2 | 0.0455 | 8.04 | 0.00000547 | 0.00876 | 0.00457 | 0.00542 | 0.0142 | 0.0000112 | 7.89 | 0.00000368 | 0.0000831 | 0.000126 | 0.000571 | 0.0275 |
| 2065 Jun | 59.3 | 0.00487 | 0.124 | 0.000509 | 11.6 | 0.0492 | 8.81 | 0.00000537 | 0.00864 | 0.00508 | 0.00532 | 0.0159 | 0.000011 | 8.75 | 0.00000373 | 0.0000851 | 0.000141 | 0.000596 | 0.0283 |
| 2065 Jul | 60.8 | 0.00426 | 0.128 | 0.00054 | 11.9 | 0.0502 | 9.01 | 0.00000548 | 0.00891 | 0.00528 | 0.00543 | 0.0162 | 0.0000112 | 8.98 | 0.00000382 | 0.000087 | 0.000147 | 0.000609 | 0.0297 |
| 2065 Aug | 58.2 | 0.004 | 0.12 | 0.000552 | 11.4 | 0.0488 | 8.62 | 0.00000554 | 0.00879 | 0.00497 | 0.00549 | 0.0156 | 0.0000113 | 8.63 | 0.00000378 | 0.0000855 | 0.000144 | 0.000591 | 0.0291 |
| 2065 Sep | 54.4 | 0.00416 | 0.11 | 0.000572 | 10.7 | 0.0462 | 8.07 | 0.00000549 | 0.00847 | 0.00455 | 0.00544 | 0.0146 | 0.0000112 | 8.09 | 0.00000367 | 0.0000824 | 0.000134 | 0.000561 | 0.028 |
| 2065 Oct | 54.9 | 0.00323 | 0.115 | 0.000705 | 10.8 | 0.0462 | 8.12 | 0.00000539 | 0.00917 | 0.00463 | 0.00534 | 0.0143 | 0.000011 | 8.13 | 0.00000438 | 0.0000822 | 0.000138 | 0.000589 | 0.0285 |
| 2065 Nov | 58.3 | 0.00284 | 0.126 | 0.000773 | 11.4 | 0.0481 | 8.62 | 0.00000542 | 0.0098 | 0.00507 | 0.00536 | 0.0151 | 0.0000111 | 8.59 | 0.00000462 | 0.0000853 | 0.000146 | 0.000625 | 0.0303 |

**Appendix D17. Lake A12**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 58.8 | 0.00283 | 0.128 | 0.000781 | 11.5 | 0.0483 | 8.7 | 0.00000542 | 0.00987 | 0.00514 | 0.00537 | 0.0152 | 0.0000111 | 8.67 | 0.00000462 | 0.0000859 | 0.000147 | 0.00063 | 0.0306 |
| 2066 Jan | 59 | 0.00283 | 0.128 | 0.000784 | 11.6 | 0.0484 | 8.72 | 0.00000542 | 0.00989 | 0.00516 | 0.00537 | 0.0152 | 0.0000111 | 8.69 | 0.00000462 | 0.000086 | 0.000147 | 0.000631 | 0.0307 |
| 2066 Feb | 59 | 0.00283 | 0.129 | 0.000785 | 11.6 | 0.0484 | 8.73 | 0.00000543 | 0.0099 | 0.00517 | 0.00537 | 0.0152 | 0.0000111 | 8.7 | 0.00000462 | 0.0000861 | 0.000148 | 0.000632 | 0.0307 |
| 2066 Mar | 59.1 | 0.00283 | 0.129 | 0.000786 | 11.6 | 0.0485 | 8.74 | 0.00000543 | 0.00991 | 0.00518 | 0.00538 | 0.0153 | 0.0000111 | 8.71 | 0.00000462 | 0.0000862 | 0.000148 | 0.000632 | 0.0308 |
| 2066 Apr | 59.1 | 0.00283 | 0.129 | 0.000786 | 11.6 | 0.0485 | 8.74 | 0.00000543 | 0.00992 | 0.00518 | 0.00538 | 0.0153 | 0.0000111 | 8.71 | 0.00000462 | 0.0000862 | 0.000148 | 0.000632 | 0.0308 |
| 2066 May | 57.9 | 0.00326 | 0.124 | 0.000787 | 11.3 | 0.0479 | 8.57 | 0.00000543 | 0.00958 | 0.00499 | 0.00538 | 0.015 | 0.0000111 | 8.52 | 0.0000045 | 0.000085 | 0.000143 | 0.000617 | 0.0297 |
| 2066 Jun | 59.6 | 0.00607 | 0.124 | 0.000702 | 11.6 | 0.0492 | 8.79 | 0.00000538 | 0.00891 | 0.00507 | 0.00533 | 0.0159 | 0.000011 | 8.75 | 0.00000375 | 0.0000856 | 0.000141 | 0.000606 | 0.029 |
| 2066 Jul | 59.7 | 0.00563 | 0.122 | 0.000646 | 11.7 | 0.05 | 8.78 | 0.00000555 | 0.00893 | 0.005 | 0.00549 | 0.016 | 0.0000113 | 8.8 | 0.00000381 | 0.0000865 | 0.000145 | 0.000606 | 0.0292 |
| 2066 Aug | 55.3 | 0.00493 | 0.11 | 0.00063 | 10.9 | 0.0473 | 8.12 | 0.00000555 | 0.00862 | 0.0045 | 0.0055 | 0.015 | 0.0000113 | 8.2 | 0.0000037 | 0.0000832 | 0.000137 | 0.000571 | 0.028 |
| 2066 Sep | 52.1 | 0.0048 | 0.102 | 0.000624 | 10.2 | 0.0451 | 7.66 | 0.0000055 | 0.00836 | 0.00415 | 0.00545 | 0.0141 | 0.0000112 | 7.75 | 0.0000036 | 0.0000806 | 0.000128 | 0.000547 | 0.0271 |
| 2066 Oct | 53.2 | 0.00393 | 0.109 | 0.00056 | 10.4 | 0.0454 | 7.81 | 0.00000544 | 0.00894 | 0.00428 | 0.00539 | 0.0141 | 0.0000111 | 7.88 | 0.00000399 | 0.0000814 | 0.000131 | 0.000572 | 0.028 |
| 2066 Nov | 56.4 | 0.00313 | 0.12 | 0.000475 | 11.1 | 0.0474 | 8.26 | 0.00000545 | 0.00962 | 0.00464 | 0.0054 | 0.0147 | 0.0000111 | 8.32 | 0.0000044 | 0.0000841 | 0.00014 | 0.00061 | 0.0294 |
| 2066 Dec | 57.1 | 0.00309 | 0.122 | 0.000466 | 11.2 | 0.0477 | 8.35 | 0.00000546 | 0.00972 | 0.00472 | 0.00541 | 0.0149 | 0.0000111 | 8.41 | 0.0000044 | 0.0000848 | 0.000142 | 0.000616 | 0.0298 |
| 2067 Jan | 57.2 | 0.00308 | 0.123 | 0.000465 | 11.2 | 0.0478 | 8.37 | 0.00000546 | 0.00974 | 0.00474 | 0.00541 | 0.0149 | 0.0000111 | 8.43 | 0.00000441 | 0.0000849 | 0.000142 | 0.000617 | 0.0298 |
| 2067 Feb | 57.3 | 0.00308 | 0.123 | 0.000464 | 11.2 | 0.0478 | 8.38 | 0.00000547 | 0.00975 | 0.00475 | 0.00541 | 0.0149 | 0.0000112 | 8.44 | 0.00000441 | 0.000085 | 0.000142 | 0.000618 | 0.0299 |
| 2067 Mar | 57.3 | 0.00308 | 0.123 | 0.000463 | 11.2 | 0.0478 | 8.39 | 0.00000547 | 0.00976 | 0.00476 | 0.00541 | 0.0149 | 0.0000112 | 8.44 | 0.00000441 | 0.000085 | 0.000142 | 0.000619 | 0.0299 |
| 2067 Apr | 57.4 | 0.00308 | 0.124 | 0.000463 | 11.3 | 0.0479 | 8.41 | 0.00000547 | 0.00977 | 0.00477 | 0.00542 | 0.015 | 0.0000112 | 8.46 | 0.00000441 | 0.0000852 | 0.000142 | 0.00062 | 0.03 |
| 2067 May | 54.5 | 0.00404 | 0.112 | 0.000447 | 10.5 | 0.0464 | 8.01 | 0.00000545 | 0.00891 | 0.00433 | 0.0054 | 0.0145 | 0.0000111 | 8.01 | 0.00000409 | 0.0000822 | 0.000131 | 0.000583 | 0.0272 |
| 2067 Jun | 59.7 | 0.00575 | 0.126 | 0.000687 | 11.6 | 0.0492 | 8.69 | 0.0000054 | 0.00897 | 0.00487 | 0.00535 | 0.0159 | 0.000011 | 8.73 | 0.00000374 | 0.0000854 | 0.00014 | 0.000606 | 0.0289 |
| 2067 Jul | 59.7 | 0.00517 | 0.125 | 0.000725 | 11.7 | 0.0496 | 8.67 | 0.00000553 | 0.00906 | 0.00484 | 0.00547 | 0.016 | 0.0000113 | 8.77 | 0.00000378 | 0.0000861 | 0.000144 | 0.000606 | 0.0295 |
| 2067 Aug | 53.6 | 0.00287 | 0.113 | 0.000569 | 10.5 | 0.0451 | 7.73 | 0.00000546 | 0.009 | 0.00428 | 0.00541 | 0.0144 | 0.0000111 | 7.93 | 0.00000362 | 0.0000817 | 0.000138 | 0.000563 | 0.0291 |
| 2067 Sep | 54.1 | 0.00269 | 0.115 | 0.00053 | 10.6 | 0.0452 | 7.8 | 0.00000549 | 0.00915 | 0.00435 | 0.00543 | 0.0144 | 0.0000112 | 8 | 0.00000365 | 0.0000825 | 0.000136 | 0.000569 | 0.0297 |
| 2067 Oct | 54.8 | 0.00256 | 0.117 | 0.000504 | 10.8 | 0.0458 | 7.91 | 0.00000546 | 0.00936 | 0.0044 | 0.0054 | 0.0144 | 0.0000111 | 8.09 | 0.00000397 | 0.0000827 | 0.000138 | 0.000584 | 0.0296 |
| 2067 Nov | 56.2 | 0.0024 | 0.122 | 0.000501 | 11.1 | 0.0466 | 8.11 | 0.00000547 | 0.0096 | 0.00456 | 0.00542 | 0.0147 | 0.0000111 | 8.28 | 0.00000408 | 0.0000839 | 0.000141 | 0.000599 | 0.0302 |
| 2067 Dec | 56.4 | 0.00239 | 0.123 | 0.000501 | 11.1 | 0.0467 | 8.14 | 0.00000547 | 0.00963 | 0.00458 | 0.00542 | 0.0148 | 0.0000112 | 8.31 | 0.00000409 | 0.0000841 | 0.000141 | 0.000601 | 0.0303 |
| 2068 Jan | 56.5 | 0.00239 | 0.123 | 0.000501 | 11.1 | 0.0468 | 8.15 | 0.00000547 | 0.00964 | 0.00459 | 0.00542 | 0.0148 | 0.0000112 | 8.32 | 0.00000409 | 0.0000842 | 0.000141 | 0.000601 | 0.0303 |
| 2068 Feb | 56.5 | 0.00239 | 0.123 | 0.000501 | 11.1 | 0.0468 | 8.16 | 0.00000548 | 0.00965 | 0.00459 | 0.00542 | 0.0148 | 0.0000112 | 8.32 | 0.00000409 | 0.0000842 | 0.000141 | 0.000602 | 0.0304 |
| 2068 Mar | 56.6 | 0.00239 | 0.123 | 0.000502 | 11.1 | 0.0468 | 8.16 | 0.00000548 | 0.00965 | 0.0046 | 0.00542 | 0.0148 | 0.0000112 | 8.33 | 0.00000409 | 0.0000843 | 0.000141 | 0.000602 | 0.0304 |
| 2068 Apr | 56.7 | 0.00239 | 0.124 | 0.000503 | 11.1 | 0.047 | 8.18 | 0.00000549 | 0.00967 | 0.00461 | 0.00543 | 0.0149 | 0.0000112 | 8.35 | 0.0000041 | 0.0000845 | 0.000142 | 0.000604 | 0.0305 |
| 2068 May | 54.9 | 0.00351 | 0.115 | 0.000549 | 10.6 | 0.0461 | 7.95 | 0.00000546 | 0.00905 | 0.00431 | 0.00541 | 0.0145 | 0.0000111 | 8.05 | 0.00000391 | 0.0000824 | 0.000134 | 0.000581 | 0.0283 |
| 2068 Jun | 59.4 | 0.00568 | 0.125 | 0.000547 | 11.6 | 0.0487 | 8.56 | 0.00000533 | 0.00876 | 0.0048 | 0.00528 | 0.0158 | 0.0000109 | 8.69 | 0.00000366 | 0.0000838 | 0.000141 | 0.000594 | 0.0291 |
| 2068 Jul | 59.9 | 0.00511 | 0.125 | 0.0005 | 11.8 | 0.0495 | 8.61 | 0.00000546 | 0.00875 | 0.0048 | 0.00541 | 0.016 | 0.0000111 | 8.8 | 0.00000372 | 0.0000846 | 0.000145 | 0.000596 | 0.0294 |
| 2068 Aug | 58.1 | 0.00485 | 0.118 | 0.000511 | 11.4 | 0.0486 | 8.34 | 0.00000555 | 0.00868 | 0.00457 | 0.0055 | 0.0156 | 0.0000113 | 8.56 | 0.00000371 | 0.0000839 | 0.000142 | 0.000584 | 0.029 |
| 2068 Sep | 53.6 | 0.0047 | 0.106 | 0.000513 | 10.6 | 0.0457 | 7.69 | 0.00000549 | 0.00826 | 0.00409 | 0.00545 | 0.0144 | 0.0000112 | 7.93 | 0.00000358 | 0.0000803 | 0.000131 | 0.000547 | 0.0274 |
| 2068 Oct | 53.3 | 0.00466 | 0.106 | 0.000519 | 10.5 | 0.0455 | 7.66 | 0.0000055 | 0.0083 | 0.00407 | 0.00545 | 0.0143 | 0.0000112 | 7.89 | 0.00000358 | 0.0000803 | 0.00013 | 0.000547 | 0.0276 |
| 2068 Nov | 53.4 | 0.00465 | 0.106 | 0.00052 | 10.5 | 0.0456 | 7.68 | 0.00000551 | 0.00832 | 0.00408 | 0.00546 | 0.0143 | 0.0000112 | 7.91 | 0.00000359 | 0.0000804 | 0.000131 | 0.000548 | 0.0276 |
| 2068 Dec | 53.4 | 0.00465 | 0.106 | 0.000521 | 10.5 | 0.0455 | 7.68 | 0.00000551 | 0.00832 | 0.00408 | 0.00546 | 0.0143 | 0.0000112 | 7.91 | 0.00000359 | 0.0000804 | 0.000131 | 0.000548 | 0.0276 |
| 2069 Jan | 53.4 | 0.00465 | 0.106 | 0.000521 | 10.5 | 0.0456 | 7.68 | 0.00000551 | 0.00832 | 0.00408 | 0.00546 | 0.0143 | 0.0000112 | 7.91 | 0.00000359 | 0.0000804 | 0.000131 | 0.000548 | 0.0276 |
| 2069 Feb | 53.4 | 0.00465 | 0.106 | 0.000521 | 10.5 | 0.0456 | 7.68 | 0.00000551 | 0.00832 | 0.00408 | 0.00546 | 0.0143 | 0.0000112 | 7.91 | 0.00000359 | 0.0000804 | 0.000131 | 0.000548 | 0.0276 |
| 2069 Mar | 53.5 | 0.00464 | 0.106 | 0.000521 | 10.5 | 0.0456 | 7.68 | 0.00000551 | 0.00833 | 0.00408 | 0.00546 | 0.0143 | 0.0000112 | 7.91 | 0.00000359 | 0.0000804 | 0.000131 | 0.000549 | 0.0276 |
| 2069 Apr | 53.5 | 0.00464 | 0.106 | 0.000522 | 10.5 | 0.0456 | 7.69 | 0.00000551 | 0.00834 | 0.00409 | 0.00546 | 0.0143 | 0.0000112 | 7.92 | 0.0000036 | 0.0000805 | 0.000131 | 0.000549 | 0.0277 |
| 2069 May | 53.2 | 0.00474 | 0.105 | 0.000526 | 10.4 | 0.0455 | 7.65 | 0.00000554 | 0.00826 | 0.00403 | 0.00549 | 0.0143 | 0.0000112 | 7.87 | 0.0000036 | 0.0000804 | 0.00013 | 0.000546 | 0.0273 |
| 2069 Jun | 56.7 | 0.00494 | 0.114 | 0.000434 | 11.2 | 0.0481 | 8.05 | 0.00000543 | 0.00804 | 0.00407 | 0.00538 | 0.0154 | 0.000011 | 8.32 | 0.00000356 | 0.0000809 | 0.000135 | 0.00056 | 0.0264 |
| 2069 Jul | 60.2 | 0.00455 | 0.125 | 0.000422 | 11.9 | 0.0503 | 8.52 | 0.00000559 | 0.00868 | 0.00442 | 0.00554 | 0.0162 | 0.0000114 | 8.82 | 0.00000372 | 0.000085 | 0.000144 | 0.000595 | 0.0286 |
| 2069 Aug | 55.7 | 0.00391 | 0.113 | 0.000449 | 11.1 | 0.0474 | 7.87 | 0.00000558 | 0.00847 | 0.004 | 0.00553 | 0.0151 | 0.0000113 | 8.21 | 0.00000362 | 0.0000819 | 0.000135 | 0.000562 | 0.0276 |
| 2069 Sep | 53.7 | 0.00317 | 0.113 | 0.000538 | 10.6 | 0.045 | 7.56 | 0.00000548 | 0.00873 | 0.00391 | 0.00543 | 0.0142 | 0.0000111 | 7.9 | 0.00000356 | 0.0000806 | 0.000127 | 0.000554 | 0.0284 |
| 2069 Oct | 56.6 | 0.00316 | 0.124 | 0.000598 | 11.1 | 0.0463 | 7.98 | 0.00000551 | 0.00923 | 0.00426 | 0.00545 | 0.0148 | 0.0000112 | 8.29 | 0.00000367 | 0.0000834 | 0.000133 | 0.000583 | 0.0302 |
| 2069 Nov | 57.3 | 0.00307 | 0.126 | 0.000607 | 11.3 | 0.0467 | 8.07 | 0.00000552 | 0.00935 | 0.00433 | 0.00546 | 0.0149 | 0.0000112 | 8.38 | 0.00000372 | 0.000084 | 0.000135 | 0.00059 | 0.0305 |
| 2069 Dec | 57.4 | 0.00307 | 0.126 | 0.000608 | 11.3 | 0.0467 | 8.08 | 0.00000552 | 0.00936 | 0.00434 | 0.00546 | 0.015 | 0.0000112 | 8.4 | 0.00000372 | 0.0000841 | 0.000135 | 0.000591 | 0.0305 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000442 | 2.61 | 0.00217 | 3.56 | 0.0731 | 0.00157 | 2.06 | 0.00536 | 0.00357 | 0.0000623 | 0.000429 | 0.000121 | 0.087 | 0.00000717 | 0.000318 | 0.000766 | 0.00209 | 1.09E-10 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000504 | 3.38 | 0.00308 | 4.22 | 0.0951 | 0.00219 | 2.81 | 0.00965 | 0.00479 | 0.000103 | 0.000998 | 0.000207 | 0.125 | 0.0000111 | 0.000428 | 0.00118 | 0.00272 | 0.00272 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000548 | 4.03 | 0.00384 | 4.75 | 0.115 | 0.00265 | 3.47 | 0.0126 | 0.00577 | 0.00018 | 0.00158 | 0.000259 | 0.159 | 0.0000163 | 0.000512 | 0.00155 | 0.00324 | 0.00392 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000255 | 1.44 | 0.00105 | 1.88 | 0.011 | 0.000231 | 1.14 | 0.000964 | 0.00208 | 0.0000286 | 0.0000911 | 0.0000523 | 0.0433 | 0.00000508 | 0.0000522 | 0.00026 | 0.00152 | 0.0000364 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000289 | 1.59 | 0.00124 | 2.12 | 0.0208 | 0.000428 | 1.28 | 0.00199 | 0.00253 | 0.0000864 | 0.00014 | 0.0000727 | 0.0489 | 0.00000549 | 0.0000931 | 0.000338 | 0.00171 | 0.000449 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.00000502 | 3.02 | 0.00263 | 3.97 | 0.0942 | 0.00192 | 2.33 | 0.00985 | 0.00545 | 0.000267 | 0.000508 | 0.000224 | 0.104 | 0.00000776 | 0.000398 | 0.000896 | 0.00226 | 0.00361 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000296 | 1.51 | 0.00137 | 1.89 | 0.0176 | 0.000468 | 1.09 | 0.00222 | 0.00292 | 0.0000336 | 0.000122 | 0.0000595 | 0.0469 | 0.00000547 | 0.000116 | 0.000303 | 0.00164 | 0.0000722 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000345 | 1.71 | 0.00155 | 2.18 | 0.0221 | 0.000645 | 1.22 | 0.00333 | 0.00328 | 0.0000836 | 0.000148 | 0.0000735 | 0.0541 | 0.0000057 | 0.000138 | 0.000332 | 0.00177 | 0.00016 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.00000365 | 2.41 | 0.00204 | 3.01 | 0.0304 | 0.000849 | 1.76 | 0.00476 | 0.00378 | 0.000212 | 0.000174 | 0.000102 | 0.0803 | 0.00000588 | 0.000163 | 0.000355 | 0.00196 | 0.000268 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000478 | 3.63 | 0.00339 | 3.93 | 0.0829 | 0.0017 | 3.25 | 0.00584 | 0.00388 | 0.000109 | 0.00157 | 0.000131 | 0.138 | 0.0000162 | 0.000379 | 0.00139 | 0.00317 | |
| 2024 Feb | 0.00000478 | 3.63 | 0.00339 | 3.93 | 0.0828 | 0.0017 | 3.25 | 0.00584 | 0.00388 | 0.000109 | 0.00157 | 0.000131 | 0.138 | 0.0000162 | 0.000379 | 0.00139 | 0.00317 | |
| 2024 Mar | 0.00000478 | 3.63 | 0.00339 | 3.93 | 0.0828 | 0.0017 | 3.25 | 0.00584 | 0.00388 | 0.000109 | 0.00157 | 0.000131 | 0.138 | 0.0000162 | 0.000379 | 0.00139 | 0.00317 | |
| 2024 Apr | 0.0000048 | 3.65 | 0.00341 | 3.94 | 0.0833 | 0.00171 | 3.27 | 0.00587 | 0.00389 | 0.00011 | 0.00158 | 0.000131 | 0.139 | 0.0000163 | 0.000382 | 0.0014 | 0.00318 | 1.09E-10 |
| 2024 May | 0.00000459 | 3.38 | 0.00314 | 3.7 | 0.075 | 0.00157 | 3.03 | 0.00536 | 0.00358 | 0.0000996 | 0.00143 | 0.000121 | 0.128 | 0.0000151 | 0.000349 | 0.0013 | 0.00302 | 0.00000438 |
| 2024 Jun | 0.00000462 | 3.42 | 0.00324 | 3.81 | 0.0731 | 0.00177 | 3.03 | 0.00546 | 0.00357 | 0.0000788 | 0.00136 | 0.000124 | 0.134 | 0.0000137 | 0.000378 | 0.00132 | 0.00296 | 0.000339 |
| 2024 Jul | 0.00000502 | 3.82 | 0.00367 | 4.25 | 0.0857 | 0.00211 | 3.36 | 0.00654 | 0.00409 | 0.0000838 | 0.00153 | 0.000145 | 0.153 | 0.0000148 | 0.000441 | 0.00148 | 0.00318 | 0.000581 |
| 2024 Aug | 0.00000502 | 3.74 | 0.00361 | 4.19 | 0.0853 | 0.00211 | 3.28 | 0.00672 | 0.00407 | 0.0000822 | 0.00148 | 0.000148 | 0.149 | 0.0000145 | 0.000437 | 0.00145 | 0.00315 | 0.000686 |
| 2024 Sep | 0.00000468 | 3.26 | 0.00312 | 3.76 | 0.0752 | 0.00189 | 2.85 | 0.00647 | 0.00367 | 0.0000735 | 0.00123 | 0.000143 | 0.128 | 0.0000127 | 0.000384 | 0.00127 | 0.00286 | 0.000893 |
| 2024 Oct | 0.00000497 | 3.52 | 0.00336 | 4.11 | 0.085 | 0.00216 | 3.05 | 0.00778 | 0.00402 | 0.0000849 | 0.00132 | 0.000168 | 0.139 | 0.0000132 | 0.000429 | 0.00136 | 0.00297 | 0.00129 |
| 2024 Nov | 0.00000518 | 3.73 | 0.00355 | 4.39 | 0.0925 | 0.00236 | 3.23 | 0.00872 | 0.0043 | 0.000114 | 0.0014 | 0.000185 | 0.147 | 0.0000136 | 0.000465 | 0.00144 | 0.0031 | 0.00157 |
| 2024 Dec | 0.00000526 | 3.81 | 0.00363 | 4.49 | 0.0953 | 0.00243 | 3.29 | 0.00904 | 0.0044 | 0.000115 | 0.00143 | 0.000191 | 0.15 | 0.0000138 | 0.000478 | 0.00147 | 0.00313 | 0.00165 |
| 2025 Jan | 0.00000531 | 3.86 | 0.00367 | 4.54 | 0.097 | 0.00247 | 3.33 | 0.00923 | 0.00447 | 0.000116 | 0.00145 | 0.000194 | 0.152 | 0.0000139 | 0.000485 | 0.00148 | 0.00315 | 0.00171 |
| 2025 Feb | 0.00000535 | 3.9 | 0.00371 | 4.59 | 0.0984 | 0.00251 | 3.36 | 0.00939 | 0.00452 | 0.000116 | 0.00146 | 0.000197 | 0.154 | 0.000014 | 0.000492 | 0.0015 | 0.00317 | 0.00175 |
| 2025 Mar | 0.00000539 | 3.94 | 0.00375 | 4.64 | 0.0998 | 0.00255 | 3.4 | 0.00956 | 0.00457 | 0.000116 | 0.00148 | 0.0002 | 0.155 | 0.0000141 | 0.000499 | 0.00152 | 0.00319 | 0.0018 |
| 2025 Apr | 0.00000544 | 3.99 | 0.0038 | 4.7 | 0.101 | 0.00259 | 3.43 | 0.00973 | 0.00463 | 0.000117 | 0.0015 | 0.000204 | 0.157 | 0.0000142 | 0.000506 | 0.00153 | 0.00321 | 0.00185 |
| 2025 May | 0.00000548 | 4.03 | 0.00384 | 4.75 | 0.103 | 0.00262 | 3.47 | 0.00985 | 0.00468 | 0.000118 | 0.00151 | 0.000206 | 0.159 | 0.0000143 | 0.000512 | 0.00155 | 0.00324 | 0.00188 |
| 2025 Jun | 0.0000047 | 3.22 | 0.00288 | 3.92 | 0.0769 | 0.00191 | 2.76 | 0.00753 | 0.00423 | 0.0000825 | 0.00106 | 0.000165 | 0.12 | 0.0000113 | 0.00038 | 0.00117 | 0.00269 | 0.00169 |
| 2025 Jul | 0.00000527 | 3.69 | 0.00332 | 4.44 | 0.0976 | 0.0023 | 3.07 | 0.00916 | 0.00512 | 0.0000815 | 0.00116 | 0.000207 | 0.138 | 0.000012 | 0.000463 | 0.00131 | 0.00285 | 0.00258 |
| 2025 Aug | 0.00000524 | 3.59 | 0.00326 | 4.33 | 0.0962 | 0.00226 | 2.98 | 0.00913 | 0.00499 | 0.0000799 | 0.00112 | 0.000205 | 0.134 | 0.0000118 | 0.000453 | 0.00128 | 0.00283 | 0.00256 |
| 2025 Sep | 0.00000469 | 2.95 | 0.00267 | 3.67 | 0.0791 | 0.00189 | 2.45 | 0.00808 | 0.00416 | 0.0000684 | 0.000871 | 0.00018 | 0.108 | 0.0000101 | 0.000369 | 0.00105 | 0.00251 | 0.00226 |
| 2025 Oct | 0.00000485 | 3.09 | 0.00279 | 3.96 | 0.0857 | 0.00209 | 2.57 | 0.00942 | 0.0044 | 0.00017 | 0.000888 | 0.000201 | 0.113 | 0.0000101 | 0.000397 | 0.00109 | 0.00267 | 0.00265 |
| 2025 Nov | 0.00000518 | 3.42 | 0.00309 | 4.4 | 0.0979 | 0.00241 | 2.82 | 0.011 | 0.00492 | 0.00018 | 0.000983 | 0.000229 | 0.126 | 0.0000107 | 0.000451 | 0.00119 | 0.00281 | 0.00313 |
| 2025 Dec | 0.00000528 | 3.52 | 0.00319 | 4.53 | 0.102 | 0.0025 | 2.9 | 0.0114 | 0.00507 | 0.000175 | 0.00101 | 0.000237 | 0.13 | 0.0000109 | 0.000467 | 0.00123 | 0.00284 | 0.00327 |
| 2026 Jan | 0.00000533 | 3.56 | 0.00323 | 4.59 | 0.103 | 0.00254 | 2.94 | 0.0116 | 0.00515 | 0.000173 | 0.00103 | 0.000241 | 0.131 | 0.0000109 | 0.000475 | 0.00124 | 0.00285 | 0.00334 |
| 2026 Feb | 0.00000537 | 3.6 | 0.00327 | 4.64 | 0.105 | 0.00258 | 2.97 | 0.0118 | 0.00521 | 0.000171 | 0.00104 | 0.000244 | 0.133 | 0.000011 | 0.000482 | 0.00125 | 0.00286 | 0.00339 |
| 2026 Mar | 0.0000054 | 3.63 | 0.0033 | 4.68 | 0.106 | 0.00261 | 2.99 | 0.012 | 0.00527 | 0.000169 | 0.00105 | 0.000247 | 0.134 | 0.0000111 | 0.000487 | 0.00127 | 0.00287 | 0.00344 |
| 2026 Apr | 0.00000544 | 3.67 | 0.00334 | 4.73 | 0.107 | 0.00265 | 3.02 | 0.0121 | 0.00533 | 0.000168 | 0.00106 | 0.00025 | 0.136 | 0.0000111 | 0.000493 | 0.00128 | 0.00288 | 0.00349 |
| 2026 May | 0.00000544 | 3.66 | 0.00333 | 4.72 | 0.107 | 0.00264 | 3.01 | 0.0121 | 0.00531 | 0.000165 | 0.00105 | 0.000249 | 0.135 | 0.0000111 | 0.000491 | 0.00127 | 0.00288 | 0.00348 |
| 2026 Jun | 0.00000446 | 2.8 | 0.00242 | 3.65 | 0.0737 | 0.00174 | 2.31 | 0.00801 | 0.00445 | 0.0000736 | 0.000665 | 0.000178 | 0.0983 | 0.00000876 | 0.000338 | 0.000911 | 0.00232 | 0.00257 |
| 2026 Jul | 0.00000506 | 3.33 | 0.00297 | 4.24 | 0.0959 | 0.00219 | 2.69 | 0.00988 | 0.00537 | 0.0000767 | 0.000803 | 0.000222 | 0.12 | 0.0000097 | 0.000431 | 0.00108 | 0.00253 | 0.00341 |
| 2026 Aug | 0.00000498 | 3.18 | 0.00286 | 4.08 | 0.0927 | 0.00212 | 2.57 | 0.00967 | 0.00514 | 0.0000738 | 0.000761 | 0.000215 | 0.114 | 0.00000948 | 0.000414 | 0.00105 | 0.00249 | 0.00331 |
| 2026 Sep | 0.00000495 | 3.12 | 0.00281 | 4.04 | 0.0915 | 0.0021 | 2.52 | 0.00972 | 0.00504 | 0.0000726 | 0.000741 | 0.000215 | 0.112 | 0.00000935 | 0.000407 | 0.00103 | 0.00247 | 0.00328 |
| 2026 Oct | 0.00000502 | 3.17 | 0.00286 | 4.12 | 0.0939 | 0.00217 | 2.56 | 0.0101 | 0.00512 | 0.0000745 | 0.000752 | 0.000222 | 0.114 | 0.00000941 | 0.000418 | 0.00105 | 0.00249 | 0.0034 |
| 2026 Nov | 0.00000514 | 3.27 | 0.00296 | 4.28 | 0.0983 | 0.00229 | 2.65 | 0.0108 | 0.00529 | 0.0000774 | 0.000779 | 0.000234 | 0.118 | 0.00000956 | 0.000437 | 0.00109 | 0.00253 | 0.0036 |
| 2026 Dec | 0.00000515 | 3.29 | 0.00297 | 4.3 | 0.0989 | 0.0023 | 2.66 | 0.0109 | 0.00531 | 0.0000776 | 0.000782 | 0.000235 | 0.119 | 0.00000957 | 0.000439 | 0.00109 | 0.00254 | 0.00362 |
| 2027 Jan | 0.00000517 | 3.3 | 0.00298 | 4.32 | 0.0993 | 0.00231 | 2.67 | 0.0109 | 0.00533 | 0.0000779 | 0.000785 | 0.000236 | 0.119 | 0.00000959 | 0.000441 | 0.00109 | 0.00254 | 0.00364 |
| 2027 Feb | 0.00000517 | 3.3 | 0.00298 | 4.32 | 0.0993 | 0.00231 | 2.67 | 0.0109 | 0.00533 | 0.0000779 | 0.000785 | 0.000236 | 0.119 | 0.00000959 | 0.000441 | 0.00109 | 0.00254 | 0.00364 |
| 2027 Mar | 0.00000517 | 3.3 | 0.00298 | 4.32 | 0.0993 | 0.00231 | 2.67 | 0.0109 | 0.00533 | 0.0000779 | 0.000785 | 0.000236 | 0.119 | 0.00000959 | 0.000441 | 0.00109 | 0.00254 | 0.00364 |
| 2027 Apr | 0.00000517 | 3.3 | 0.00298 | 4.32 | 0.0994 | 0.00232 | 2.67 | 0.0109 | 0.00534 | 0.000078 | 0.000786 | 0.000237 | 0.119 | 0.0000096 | 0.000442 | 0.0011 | 0.00254 | 0.00365 |
| 2027 May | 0.00000508 | 3.2 | 0.00288 | 4.21 | 0.0954 | 0.00223 | 2.6 | 0.0106 | 0.00516 | 0.0000759 | 0.000754 | 0.000229 | 0.115 | 0.00000942 | 0.000425 | 0.00106 | 0.00251 | 0.00351 |
| 2027 Jun | 0.00000457 | 2.82 | 0.00236 | 3.75 | 0.0846 | 0.00175 | 2.24 | 0.00878 | 0.0047 | 0.0000642 | 0.000556 | 0.000197 | 0.0956 | 0.00000799 | 0.000349 | 0.000868 | 0.00222 | 0.003 |
| 2027 Jul | 0.00000525 | 3.39 | 0.00296 | 4.44 | 0.115 | 0.00227 | 2.62 | 0.0114 | 0.00577 | 0.0000745 | 0.000674 | 0.00025 | 0.118 | 0.00000878 | 0.000451 | 0.00103 | 0.00242 | 0.0039 |
| 2027 Aug | 0.00000511 | 3.21 | 0.00283 | 4.23 | 0.109 | 0.00216 | 2.49 | 0.011 | 0.00547 | 0.0000717 | 0.000632 | 0.000239 | 0.111 | 0.00000858 | 0.000426 | 0.000984 | 0.00238 | 0.00366 |
| 2027 Sep | 0.00000458 | 2.67 | 0.00235 | 3.61 | 0.0886 | 0.00178 | 2.1 | 0.00935 | 0.00453 | 0.0000623 | 0.00051 | 0.000201 | 0.0914 | 0.00000775 | 0.000345 | 0.000833 | 0.00218 | 0.00296 |
| 2027 Oct | 0.00000462 | 2.7 | 0.00236 | 3.73 | 0.091 | 0.00187 | 2.12 | 0.0101 | 0.00455 | 0.000106 | 0.00051 | 0.000212 | 0.0923 | 0.00000764 | 0.000354 | 0.00084 | 0.00223 | 0.00311 |
| 2027 Nov | 0.00000497 | 3.03 | 0.00266 | 4.18 | 0.105 | 0.00217 | 2.36 | 0.0117 | 0.00512 | 0.000113 | 0.000577 | 0.000242 | 0.104 | 0.00000801 | 0.000408 | 0.000933 | 0.00234 | 0.00364 |
| 2027 Dec | 0.00000505 | 3.1 | 0.00273 | 4.28 | 0.108 | 0.00224 | 2.41 | 0.0121 | 0.00526 | 0.000112 | 0.000592 | 0.000249 | 0.107 | 0.00000809 | 0.000421 | 0.000954 | 0.00236 | 0.00376 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000508 | 3.13 | 0.00275 | 4.31 | 0.109 | 0.00227 | 2.43 | 0.0123 | 0.00531 | 0.000112 | 0.000598 | 0.000252 | 0.108 | 0.00000812 | 0.000426 | 0.000962 | 0.00236 | 0.00381 |
| 2028 Feb | 0.0000051 | 3.15 | 0.00277 | 4.34 | 0.11 | 0.00229 | 2.45 | 0.0124 | 0.00535 | 0.000111 | 0.000602 | 0.000254 | 0.109 | 0.00000815 | 0.000429 | 0.000968 | 0.00237 | 0.00384 |
| 2028 Mar | 0.00000512 | 3.17 | 0.00279 | 4.37 | 0.111 | 0.00231 | 2.46 | 0.0125 | 0.00538 | 0.000111 | 0.000606 | 0.000256 | 0.11 | 0.00000817 | 0.000433 | 0.000974 | 0.00238 | 0.00388 |
| 2028 Apr | 0.00000514 | 3.19 | 0.00281 | 4.39 | 0.112 | 0.00233 | 2.48 | 0.0126 | 0.00542 | 0.000111 | 0.00061 | 0.000258 | 0.11 | 0.00000819 | 0.000436 | 0.000979 | 0.00238 | 0.00391 |
| 2028 May | 0.00000516 | 3.2 | 0.00282 | 4.41 | 0.112 | 0.00233 | 2.49 | 0.0126 | 0.00544 | 0.000111 | 0.000613 | 0.000259 | 0.111 | 0.00000822 | 0.000437 | 0.000983 | 0.00239 | 0.00392 |
| 2028 Jun | 0.00000442 | 2.61 | 0.00217 | 3.56 | 0.0772 | 0.0016 | 2.06 | 0.00853 | 0.00467 | 0.0000674 | 0.000429 | 0.000187 | 0.087 | 0.00000717 | 0.000318 | 0.000766 | 0.00209 | 0.00286 |
| 2028 Jul | 0.00000502 | 3.02 | 0.00263 | 3.97 | 0.0942 | 0.00192 | 2.33 | 0.00985 | 0.00545 | 0.0000689 | 0.000508 | 0.000224 | 0.104 | 0.00000776 | 0.000398 | 0.000896 | 0.00226 | 0.00361 |
| 2028 Aug | 0.0000049 | 2.86 | 0.00249 | 3.76 | 0.088 | 0.00179 | 2.21 | 0.00921 | 0.00514 | 0.0000662 | 0.000477 | 0.000211 | 0.0978 | 0.00000766 | 0.000373 | 0.000857 | 0.00223 | 0.00336 |
| 2028 Sep | 0.00000465 | 2.61 | 0.00228 | 3.45 | 0.0786 | 0.0016 | 2.03 | 0.00823 | 0.00468 | 0.0000618 | 0.000431 | 0.000191 | 0.0889 | 0.00000739 | 0.000334 | 0.000792 | 0.00216 | 0.003 |
| 2028 Oct | 0.00000419 | 2.21 | 0.00192 | 2.94 | 0.0627 | 0.00128 | 1.74 | 0.0066 | 0.00389 | 0.0001 | 0.000353 | 0.000158 | 0.0741 | 0.00000686 | 0.000269 | 0.000678 | 0.00207 | 0.00238 |
| 2028 Nov | 0.00000415 | 2.17 | 0.00188 | 2.9 | 0.061 | 0.00124 | 1.71 | 0.00644 | 0.00381 | 0.000133 | 0.000347 | 0.000154 | 0.0728 | 0.00000681 | 0.000262 | 0.000666 | 0.00211 | 0.00231 |
| 2028 Dec | 0.00000415 | 2.17 | 0.00188 | 2.9 | 0.061 | 0.00124 | 1.71 | 0.00644 | 0.00381 | 0.000133 | 0.000346 | 0.000154 | 0.0728 | 0.00000681 | 0.000262 | 0.000666 | 0.00211 | 0.00231 |
| 2029 Jan | 0.00000414 | 2.17 | 0.00188 | 2.9 | 0.0609 | 0.00124 | 1.71 | 0.00643 | 0.00381 | 0.000133 | 0.000346 | 0.000154 | 0.0727 | 0.0000068 | 0.000262 | 0.000666 | 0.00211 | 0.00231 |
| 2029 Feb | 0.00000414 | 2.17 | 0.00188 | 2.9 | 0.0609 | 0.00124 | 1.71 | 0.00643 | 0.00381 | 0.000133 | 0.000346 | 0.000154 | 0.0727 | 0.0000068 | 0.000262 | 0.000665 | 0.00211 | 0.00231 |
| 2029 Mar | 0.00000414 | 2.17 | 0.00188 | 2.9 | 0.0609 | 0.00124 | 1.71 | 0.00643 | 0.00381 | 0.000133 | 0.000346 | 0.000154 | 0.0727 | 0.0000068 | 0.000262 | 0.000665 | 0.00211 | 0.00231 |
| 2029 Apr | 0.00000415 | 2.17 | 0.00188 | 2.9 | 0.0609 | 0.00124 | 1.71 | 0.00643 | 0.00381 | 0.000133 | 0.000346 | 0.000154 | 0.0727 | 0.00000681 | 0.000262 | 0.000666 | 0.00211 | 0.00231 |
| 2029 May | 0.00000416 | 2.18 | 0.00188 | 2.91 | 0.061 | 0.00125 | 1.71 | 0.00645 | 0.00382 | 0.000134 | 0.000347 | 0.000155 | 0.0729 | 0.00000682 | 0.000263 | 0.000667 | 0.00211 | 0.00231 |
| 2029 Jun | 0.00000367 | 1.89 | 0.00151 | 2.58 | 0.0441 | 0.000906 | 1.53 | 0.00485 | 0.00342 | 0.0000921 | 0.000263 | 0.000118 | 0.0602 | 0.00000628 | 0.000193 | 0.000547 | 0.00192 | 0.00165 |
| 2029 Jul | 0.00000344 | 1.8 | 0.00138 | 2.47 | 0.0361 | 0.000744 | 1.47 | 0.00405 | 0.00329 | 0.0000495 | 0.00022 | 0.000101 | 0.0557 | 0.00000603 | 0.00016 | 0.000483 | 0.0018 | 0.00129 |
| 2029 Aug | 0.00000343 | 1.71 | 0.00136 | 2.34 | 0.035 | 0.000717 | 1.39 | 0.00388 | 0.00307 | 0.0000463 | 0.000213 | 0.0000987 | 0.0533 | 0.00000604 | 0.000155 | 0.000475 | 0.0018 | 0.00123 |
| 2029 Sep | 0.00000336 | 1.61 | 0.0013 | 2.2 | 0.0326 | 0.000667 | 1.32 | 0.00357 | 0.00284 | 0.0000435 | 0.000201 | 0.0000943 | 0.0503 | 0.00000596 | 0.000145 | 0.000458 | 0.00177 | 0.00113 |
| 2029 Oct | 0.00000335 | 1.6 | 0.0013 | 2.18 | 0.0324 | 0.000663 | 1.3 | 0.00352 | 0.00279 | 0.0000468 | 0.0002 | 0.0000943 | 0.05 | 0.00000596 | 0.000144 | 0.000456 | 0.00178 | 0.00112 |
| 2029 Nov | 0.00000335 | 1.6 | 0.0013 | 2.18 | 0.0324 | 0.000663 | 1.3 | 0.00352 | 0.00279 | 0.0000503 | 0.0002 | 0.0000943 | 0.05 | 0.00000596 | 0.000144 | 0.000456 | 0.00178 | 0.00112 |
| 2029 Dec | 0.00000335 | 1.6 | 0.0013 | 2.18 | 0.0323 | 0.000662 | 1.3 | 0.00352 | 0.00279 | 0.0000502 | 0.0002 | 0.0000943 | 0.05 | 0.00000596 | 0.000144 | 0.000456 | 0.00178 | 0.00112 |
| 2030 Jan | 0.00000335 | 1.6 | 0.0013 | 2.18 | 0.0323 | 0.000662 | 1.3 | 0.00352 | 0.00279 | 0.0000502 | 0.0002 | 0.0000943 | 0.05 | 0.00000596 | 0.000144 | 0.000456 | 0.00178 | 0.00112 |
| 2030 Feb | 0.00000335 | 1.6 | 0.0013 | 2.18 | 0.0323 | 0.000662 | 1.3 | 0.00352 | 0.00279 | 0.0000502 | 0.0002 | 0.0000943 | 0.05 | 0.00000596 | 0.000144 | 0.000456 | 0.00178 | 0.00112 |
| 2030 Mar | 0.00000335 | 1.6 | 0.0013 | 2.18 | 0.0323 | 0.000662 | 1.3 | 0.00352 | 0.00279 | 0.0000502 | 0.0002 | 0.0000943 | 0.05 | 0.00000596 | 0.000144 | 0.000456 | 0.00178 | 0.00112 |
| 2030 Apr | 0.00000335 | 1.6 | 0.0013 | 2.18 | 0.0324 | 0.000663 | 1.3 | 0.00352 | 0.0028 | 0.0000503 | 0.0002 | 0.0000943 | 0.05 | 0.00000597 | 0.000144 | 0.000456 | 0.00178 | 0.00112 |
| 2030 May | 0.00000337 | 1.6 | 0.0013 | 2.19 | 0.0325 | 0.000665 | 1.31 | 0.00353 | 0.00281 | 0.0000505 | 0.000201 | 0.0000947 | 0.0502 | 0.00000599 | 0.000144 | 0.000458 | 0.00179 | 0.00113 |
| 2030 Jun | 0.00000311 | 1.54 | 0.00112 | 2.14 | 0.0243 | 0.000506 | 1.28 | 0.00284 | 0.00279 | 0.0000398 | 0.000162 | 0.000077 | 0.0456 | 0.00000567 | 0.000111 | 0.0004 | 0.00169 | 0.000822 |
| 2030 Jul | 0.00000317 | 1.63 | 0.00122 | 2.25 | 0.0273 | 0.000564 | 1.35 | 0.00308 | 0.00294 | 0.0000384 | 0.000175 | 0.0000834 | 0.0494 | 0.00000575 | 0.000123 | 0.000414 | 0.00171 | 0.000895 |
| 2030 Aug | 0.00000319 | 1.58 | 0.00124 | 2.17 | 0.0279 | 0.00057 | 1.3 | 0.00307 | 0.00278 | 0.0000381 | 0.000176 | 0.0000841 | 0.0485 | 0.00000579 | 0.000124 | 0.000416 | 0.00172 | 0.000895 |
| 2030 Sep | 0.00000319 | 1.56 | 0.00123 | 2.13 | 0.0276 | 0.000564 | 1.27 | 0.003 | 0.00271 | 0.0000378 | 0.000175 | 0.0000837 | 0.0479 | 0.0000058 | 0.000123 | 0.000414 | 0.00172 | 0.000881 |
| 2030 Oct | 0.00000314 | 1.52 | 0.0012 | 2.08 | 0.0263 | 0.000539 | 1.24 | 0.00287 | 0.00256 | 0.000134 | 0.000173 | 0.0000811 | 0.0468 | 0.00000573 | 0.000118 | 0.000404 | 0.00184 | 0.000836 |
| 2030 Nov | 0.00000313 | 1.53 | 0.00121 | 2.09 | 0.0265 | 0.000543 | 1.24 | 0.00288 | 0.00252 | 0.000208 | 0.000177 | 0.0000814 | 0.0473 | 0.00000571 | 0.000119 | 0.000403 | 0.00193 | 0.000838 |
| 2030 Dec | 0.00000314 | 1.54 | 0.00121 | 2.09 | 0.0267 | 0.000546 | 1.24 | 0.0029 | 0.00253 | 0.000207 | 0.000178 | 0.0000818 | 0.0475 | 0.00000571 | 0.000119 | 0.000404 | 0.00194 | 0.000843 |
| 2031 Jan | 0.00000314 | 1.54 | 0.00121 | 2.09 | 0.0267 | 0.000546 | 1.24 | 0.0029 | 0.00253 | 0.000207 | 0.000178 | 0.0000818 | 0.0475 | 0.00000571 | 0.00012 | 0.000405 | 0.00194 | 0.000843 |
| 2031 Feb | 0.00000314 | 1.54 | 0.00121 | 2.09 | 0.0267 | 0.000547 | 1.24 | 0.0029 | 0.00253 | 0.000207 | 0.000178 | 0.0000818 | 0.0475 | 0.00000571 | 0.00012 | 0.000405 | 0.00194 | 0.000844 |
| 2031 Mar | 0.00000314 | 1.54 | 0.00121 | 2.09 | 0.0267 | 0.000547 | 1.24 | 0.0029 | 0.00253 | 0.000207 | 0.000178 | 0.0000818 | 0.0475 | 0.00000571 | 0.00012 | 0.000405 | 0.00194 | 0.000844 |
| 2031 Apr | 0.00000314 | 1.54 | 0.00122 | 2.1 | 0.0267 | 0.000548 | 1.25 | 0.0029 | 0.00253 | 0.000207 | 0.000178 | 0.000082 | 0.0476 | 0.00000572 | 0.00012 | 0.000405 | 0.00194 | 0.000845 |
| 2031 May | 0.00000313 | 1.52 | 0.0012 | 2.08 | 0.0258 | 0.00053 | 1.24 | 0.00283 | 0.00248 | 0.000193 | 0.000174 | 0.0000802 | 0.0466 | 0.00000572 | 0.000116 | 0.000401 | 0.00192 | 0.000815 |
| 2031 Jun | 0.00000301 | 1.5 | 0.00112 | 2.07 | 0.0221 | 0.000461 | 1.25 | 0.00252 | 0.00244 | 0.0000777 | 0.000152 | 0.0000728 | 0.0443 | 0.00000557 | 0.000102 | 0.000374 | 0.00172 | 0.000675 |
| 2031 Jul | 0.00000312 | 1.6 | 0.0012 | 2.2 | 0.0241 | 0.000501 | 1.33 | 0.0027 | 0.00265 | 0.0000707 | 0.000161 | 0.0000779 | 0.0477 | 0.00000575 | 0.00011 | 0.000391 | 0.00176 | 0.00073 |
| 2031 Aug | 0.00000313 | 1.57 | 0.00119 | 2.15 | 0.0236 | 0.00049 | 1.3 | 0.00263 | 0.00259 | 0.0000656 | 0.000159 | 0.0000768 | 0.0468 | 0.00000579 | 0.000108 | 0.000389 | 0.00176 | 0.000709 |
| 2031 Sep | 0.00000304 | 1.44 | 0.00114 | 1.96 | 0.022 | 0.000456 | 1.19 | 0.00236 | 0.00236 | 0.0000511 | 0.000149 | 0.0000733 | 0.0436 | 0.00000564 | 0.000101 | 0.000373 | 0.0017 | 0.000647 |
| 2031 Oct | 0.00000302 | 1.45 | 0.00115 | 1.97 | 0.0223 | 0.00046 | 1.18 | 0.00236 | 0.0023 | 0.000165 | 0.000155 | 0.000074 | 0.0444 | 0.0000056 | 0.000102 | 0.000371 | 0.00185 | 0.000646 |
| 2031 Nov | 0.00000303 | 1.48 | 0.00117 | 2 | 0.0229 | 0.000474 | 1.2 | 0.00241 | 0.00233 | 0.00019 | 0.000159 | 0.0000754 | 0.0454 | 0.00000561 | 0.000104 | 0.000374 | 0.00189 | 0.000664 |
| 2031 Dec | 0.00000303 | 1.48 | 0.00117 | 2 | 0.023 | 0.000475 | 1.2 | 0.00242 | 0.00233 | 0.00019 | 0.000159 | 0.0000756 | 0.0454 | 0.00000561 | 0.000105 | 0.000375 | 0.00189 | 0.000666 |
| 2032 Jan | 0.00000303 | 1.48 | 0.00117 | 2 | 0.023 | 0.000475 | 1.2 | 0.00242 | 0.00233 | 0.00019 | 0.000159 | 0.0000756 | 0.0454 | 0.00000561 | 0.000105 | 0.000375 | 0.00189 | 0.000666 |
| 2032 Feb | 0.00000303 | 1.48 | 0.00117 | 2 | 0.023 | 0.000475 | 1.2 | 0.00242 | 0.00233 | 0.00019 | 0.000159 | 0.0000756 | 0.0454 | 0.00000561 | 0.000105 | 0.000375 | 0.00189 | 0.000666 |
| 2032 Mar | 0.00000303 | 1.48 | 0.00117 | 2 | 0.023 | 0.000475 | 1.2 | 0.00242 | 0.00233 | 0.00019 | 0.000159 | 0.0000756 | 0.0454 | 0.00000561 | 0.000105 | 0.000375 | 0.00189 | 0.000666 |
| 2032 Apr | 0.00000303 | 1.48 | 0.00117 | 2 | 0.023 | 0.000475 | 1.2 | 0.00242 | 0.00233 | 0.00019 | 0.000159 | 0.0000756 | 0.0455 | 0.00000561 | 0.000105 | 0.000375 | 0.00189 | 0.000666 |
| 2032 May | 0.00000304 | 1.49 | 0.00118 | 2.01 | 0.0231 | 0.000477 | 1.21 | 0.00243 | 0.00234 | 0.000191 | 0.00016 | 0.0000759 | 0.0456 | 0.00000563 | 0.000105 | 0.000376 | 0.0019 | 0.000668 |
| 2032 Jun | 0.00000292 | 1.54 | 0.0011 | 2.11 | 0.0199 | 0.000416 | 1.27 | 0.00222 | 0.00266 | 0.0000877 | 0.00014 | 0.0000687 | 0.0455 | 0.00000546 | 0.0000919 | 0.000351 | 0.00171 | 0.000552 |
| 2032 Jul | 0.00000301 | 1.72 | 0.00129 | 2.32 | 0.0251 | 0.000519 | 1.39 | 0.0026 | 0.00297 | 0.0000475 | 0.00016 | 0.0000803 | 0.0527 | 0.00000556 | 0.000112 | 0.000372 | 0.00167 | 0.000669 |
| 2032 Aug | 0.00000303 | 1.68 | 0.0013 | 2.25 | 0.0253 | 0.000519 | 1.35 | 0.00257 | 0.00284 | 0.0000444 | 0.00016 | 0.0000806 | 0.0519 | 0.00000561 | 0.000112 | 0.000374 | 0.00168 | 0.000664 |
| 2032 Sep | 0.00000303 | 1.64 | 0.00128 | 2.19 | 0.0248 | 0.000509 | 1.32 | 0.00249 | 0.00274 | 0.0000426 | 0.000158 | 0.0000797 | 0.0507 | 0.00000562 | 0.00011 | 0.000372 | 0.00168 | 0.000647 |
| 2032 Oct | 0.00000302 | 1.62 | 0.00127 | 2.17 | 0.0244 | 0.0005 | 1.3 | 0.00245 | 0.00268 | 0.0000767 | 0.000158 | 0.0000789 | 0.0502 | 0.00000561 | 0.000109 | 0.00037 | 0.00173 | 0.000634 |
| 2032 Nov | 0.00000302 | 1.62 | 0.00127 | 2.17 | 0.0244 | 0.000501 | 1.3 | 0.00245 | 0.00268 | 0.0000871 | 0.000158 | 0.0000789 | 0.0503 | 0.00000561 | 0.000109 | 0.00037 | 0.00174 | 0.000634 |
| 2032 Dec | 0.00000302 | 1.62 | 0.00127 | 2.17 | 0.0244 | 0.0005 | 1.3 | 0.00245 | 0.00268 | 0.000087 | 0.000158 | 0.0000789 | 0.0502 | 0.00000561 | 0.000109 | 0.00037 | 0.00174 | 0.000634 |
| 2033 Jan | 0.00000302 | 1.62 | 0.00127 | 2.17 | 0.0244 | 0.0005 | 1.3 | 0.00245 | 0.00268 | 0.000087 | 0.000158 | 0.0000789 | 0.0502 | 0.00000561 | 0.000109 | 0.00037 | 0.00174 | 0.000634 |
| 2033 Feb | 0.00000302 | 1.62 | 0.00127 | 2.17 | 0.0244 | 0.0005 | 1.3 | 0.00245 | 0.00268 | 0.000087 | 0.000158 | 0.0000789 | 0.0502 | 0.00000561 | 0.000109 | 0.00037 | 0.00174 | 0.000634 |
| 2033 Mar | 0.00000302 | 1.62 | 0.00127 | 2.17 | 0.0244 | 0.0005 | 1.3 | 0.00245 | 0.00268 | 0.000087 | 0.000158 | 0.0000789 | 0.0502 | 0.00000561 | 0.000109 | 0.00037 | 0.00174 | 0.000634 |
| 2033 Apr | 0.00000303 | 1.62 | 0.00127 | 2.17 | 0.0244 | 0.000501 | 1.3 | 0.00245 | 0.00268 | 0.0000871 | 0.000158 | 0.000079 | 0.0503 | 0.00000562 | 0.000109 | 0.000371 | 0.00175 | 0.000634 |
| 2033 May | 0.00000295 | 1.51 | 0.00117 | 2.04 | 0.0209 | 0.000432 | 1.23 | 0.0022 | 0.00239 | 0.000072 | 0.000142 | 0.0000712 | 0.0454 | 0.00000554 | 0.0000952 | 0.000353 | 0.0017 | 0.000538 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 0.00000286 | 1.55 | 0.00118 | 2.1 | 0.0204 | 0.000425 | 1.28 | 0.00213 | 0.0024 | 0.0000393 | 0.000137 | 0.0000704 | 0.0464 | 0.00000539 | 0.000093 | 0.000339 | 0.00162 | 0.000492 |
| 2033 Jul | 0.00000294 | 1.64 | 0.00126 | 2.2 | 0.0225 | 0.000465 | 1.33 | 0.00228 | 0.00259 | 0.0000385 | 0.000147 | 0.0000755 | 0.0498 | 0.00000551 | 0.000101 | 0.000351 | 0.00165 | 0.000535 |
| 2033 Aug | 0.00000297 | 1.61 | 0.00126 | 2.16 | 0.0222 | 0.000455 | 1.31 | 0.00224 | 0.00254 | 0.0000379 | 0.000145 | 0.0000747 | 0.049 | 0.00000559 | 0.0000994 | 0.000353 | 0.00167 | 0.00052 |
| 2033 Sep | 0.0000029 | 1.48 | 0.00118 | 1.99 | 0.0201 | 0.000413 | 1.21 | 0.00198 | 0.00233 | 0.0000354 | 0.000135 | 0.0000707 | 0.0454 | 0.00000548 | 0.0000911 | 0.00034 | 0.00164 | 0.000465 |
| 2033 Oct | 0.00000286 | 1.47 | 0.00115 | 1.97 | 0.0193 | 0.000396 | 1.18 | 0.00191 | 0.00221 | 0.000205 | 0.000139 | 0.0000687 | 0.045 | 0.00000542 | 0.0000875 | 0.000333 | 0.00186 | 0.000438 |
| 2033 Nov | 0.00000286 | 1.5 | 0.00118 | 2 | 0.0198 | 0.000407 | 1.2 | 0.00195 | 0.00222 | 0.000267 | 0.000144 | 0.0000698 | 0.0461 | 0.00000542 | 0.0000895 | 0.000334 | 0.00194 | 0.000447 |
| 2033 Dec | 0.00000286 | 1.5 | 0.00118 | 2.01 | 0.0199 | 0.000409 | 1.2 | 0.00196 | 0.00223 | 0.000267 | 0.000144 | 0.0000701 | 0.0463 | 0.00000542 | 0.00009 | 0.000335 | 0.00194 | 0.00045 |
| 2034 Jan | 0.00000286 | 1.5 | 0.00118 | 2.01 | 0.02 | 0.00041 | 1.2 | 0.00196 | 0.00223 | 0.000266 | 0.000144 | 0.0000701 | 0.0463 | 0.00000542 | 0.0000901 | 0.000335 | 0.00194 | 0.00045 |
| 2034 Feb | 0.00000286 | 1.5 | 0.00118 | 2.01 | 0.02 | 0.00041 | 1.2 | 0.00196 | 0.00223 | 0.000266 | 0.000144 | 0.0000701 | 0.0463 | 0.00000542 | 0.0000901 | 0.000335 | 0.00194 | 0.00045 |
| 2034 Mar | 0.00000286 | 1.5 | 0.00118 | 2.01 | 0.02 | 0.00041 | 1.2 | 0.00196 | 0.00223 | 0.000266 | 0.000144 | 0.0000701 | 0.0463 | 0.00000542 | 0.0000901 | 0.000335 | 0.00194 | 0.00045 |
| 2034 Apr | 0.00000287 | 1.5 | 0.00118 | 2.01 | 0.02 | 0.00041 | 1.2 | 0.00196 | 0.00224 | 0.000267 | 0.000145 | 0.0000702 | 0.0464 | 0.00000543 | 0.0000902 | 0.000335 | 0.00195 | 0.000451 |
| 2034 May | 0.00000287 | 1.49 | 0.00116 | 2 | 0.0193 | 0.000397 | 1.2 | 0.00192 | 0.00219 | 0.000249 | 0.000141 | 0.0000687 | 0.0455 | 0.00000544 | 0.0000877 | 0.000333 | 0.00193 | 0.000434 |
| 2034 Jun | 0.00000278 | 1.5 | 0.00111 | 2.04 | 0.0171 | 0.000358 | 1.24 | 0.0018 | 0.00234 | 0.0000719 | 0.000123 | 0.0000637 | 0.0444 | 0.00000531 | 0.0000793 | 0.000316 | 0.00164 | 0.00036 |
| 2034 Jul | 0.00000287 | 1.64 | 0.00123 | 2.2 | 0.0199 | 0.000413 | 1.33 | 0.00199 | 0.0026 | 0.0000613 | 0.000135 | 0.0000706 | 0.0494 | 0.00000545 | 0.00009 | 0.000331 | 0.00167 | 0.000413 |
| 2034 Aug | 0.00000292 | 1.64 | 0.00124 | 2.21 | 0.0199 | 0.000413 | 1.34 | 0.00199 | 0.00261 | 0.0000605 | 0.000136 | 0.000071 | 0.0496 | 0.00000556 | 0.0000902 | 0.000336 | 0.0017 | 0.000411 |
| 2034 Sep | 0.00000289 | 1.58 | 0.00121 | 2.12 | 0.0191 | 0.000396 | 1.28 | 0.00187 | 0.00249 | 0.0000548 | 0.000132 | 0.0000697 | 0.0477 | 0.00000552 | 0.0000869 | 0.000331 | 0.00168 | 0.000391 |
| 2034 Oct | 0.00000284 | 1.5 | 0.00116 | 2.01 | 0.0179 | 0.000371 | 1.22 | 0.00173 | 0.00232 | 0.000115 | 0.000128 | 0.0000672 | 0.0455 | 0.00000543 | 0.0000819 | 0.000323 | 0.00174 | 0.000362 |
| 2034 Nov | 0.00000284 | 1.51 | 0.00117 | 2.03 | 0.0182 | 0.000376 | 1.22 | 0.00175 | 0.00233 | 0.000131 | 0.00013 | 0.0000678 | 0.046 | 0.00000544 | 0.000083 | 0.000324 | 0.00176 | 0.000367 |
| 2034 Dec | 0.00000284 | 1.51 | 0.00117 | 2.03 | 0.0182 | 0.000377 | 1.22 | 0.00175 | 0.00233 | 0.000131 | 0.00013 | 0.0000678 | 0.046 | 0.00000544 | 0.0000831 | 0.000324 | 0.00176 | 0.000367 |
| 2035 Jan | 0.00000284 | 1.51 | 0.00117 | 2.03 | 0.0182 | 0.000377 | 1.22 | 0.00175 | 0.00233 | 0.000131 | 0.00013 | 0.0000678 | 0.046 | 0.00000544 | 0.0000831 | 0.000324 | 0.00176 | 0.000367 |
| 2035 Feb | 0.00000284 | 1.51 | 0.00117 | 2.03 | 0.0182 | 0.000377 | 1.22 | 0.00175 | 0.00233 | 0.000131 | 0.00013 | 0.0000678 | 0.046 | 0.00000544 | 0.0000831 | 0.000324 | 0.00176 | 0.000367 |
| 2035 Mar | 0.00000284 | 1.51 | 0.00117 | 2.03 | 0.0182 | 0.000377 | 1.22 | 0.00175 | 0.00233 | 0.000131 | 0.00013 | 0.0000678 | 0.046 | 0.00000544 | 0.0000831 | 0.000324 | 0.00176 | 0.000367 |
| 2035 Apr | 0.00000285 | 1.51 | 0.00117 | 2.03 | 0.0183 | 0.000377 | 1.23 | 0.00175 | 0.00233 | 0.000131 | 0.000131 | 0.0000679 | 0.0461 | 0.00000544 | 0.0000832 | 0.000324 | 0.00176 | 0.000368 |
| 2035 May | 0.00000287 | 1.52 | 0.00118 | 2.04 | 0.0183 | 0.000379 | 1.23 | 0.00176 | 0.00234 | 0.000131 | 0.000131 | 0.0000682 | 0.0463 | 0.00000548 | 0.0000835 | 0.000326 | 0.00178 | 0.000369 |
| 2035 Jun | 0.00000274 | 1.53 | 0.00109 | 2.09 | 0.0157 | 0.000329 | 1.26 | 0.00164 | 0.00255 | 0.0000536 | 0.000115 | 0.0000611 | 0.0451 | 0.00000528 | 0.000073 | 0.000306 | 0.00161 | 0.000294 |
| 2035 Jul | 0.00000283 | 1.7 | 0.00124 | 2.28 | 0.019 | 0.000395 | 1.38 | 0.00185 | 0.00284 | 0.000044 | 0.000129 | 0.0000693 | 0.0513 | 0.00000543 | 0.0000857 | 0.000321 | 0.00164 | 0.000348 |
| 2035 Aug | 0.00000286 | 1.67 | 0.00123 | 2.23 | 0.0187 | 0.000388 | 1.35 | 0.00181 | 0.00276 | 0.0000426 | 0.000128 | 0.0000688 | 0.0504 | 0.00000549 | 0.0000847 | 0.000323 | 0.00166 | 0.00034 |
| 2035 Sep | 0.0000028 | 1.51 | 0.00116 | 2.01 | 0.0172 | 0.000355 | 1.22 | 0.00158 | 0.00242 | 0.0000374 | 0.00012 | 0.0000657 | 0.046 | 0.00000539 | 0.0000783 | 0.000312 | 0.00162 | 0.000304 |
| 2035 Oct | 0.00000277 | 1.48 | 0.00116 | 1.97 | 0.0172 | 0.000355 | 1.19 | 0.00154 | 0.00229 | 0.000118 | 0.000123 | 0.0000661 | 0.0457 | 0.00000533 | 0.0000782 | 0.000309 | 0.00172 | 0.000299 |
| 2035 Nov | 0.00000277 | 1.51 | 0.00119 | 2 | 0.0178 | 0.000366 | 1.21 | 0.00158 | 0.00229 | 0.000174 | 0.000128 | 0.0000672 | 0.0468 | 0.00000533 | 0.0000802 | 0.00031 | 0.00179 | 0.000306 |
| 2035 Dec | 0.00000277 | 1.52 | 0.00119 | 2.01 | 0.0179 | 0.000368 | 1.21 | 0.00159 | 0.0023 | 0.000174 | 0.000128 | 0.0000674 | 0.047 | 0.00000533 | 0.0000806 | 0.00031 | 0.00179 | 0.000308 |
| 2036 Jan | 0.00000277 | 1.52 | 0.00119 | 2.01 | 0.0179 | 0.000368 | 1.21 | 0.00159 | 0.0023 | 0.000174 | 0.000128 | 0.0000674 | 0.047 | 0.00000533 | 0.0000806 | 0.00031 | 0.00179 | 0.000308 |
| 2036 Feb | 0.00000277 | 1.52 | 0.00119 | 2.01 | 0.0179 | 0.000368 | 1.21 | 0.00159 | 0.0023 | 0.000174 | 0.000128 | 0.0000674 | 0.047 | 0.00000533 | 0.0000806 | 0.00031 | 0.00179 | 0.000308 |
| 2036 Mar | 0.00000277 | 1.52 | 0.00119 | 2.01 | 0.0179 | 0.000368 | 1.21 | 0.00159 | 0.0023 | 0.000174 | 0.000128 | 0.0000674 | 0.047 | 0.00000533 | 0.0000806 | 0.00031 | 0.00179 | 0.000308 |
| 2036 Apr | 0.00000277 | 1.52 | 0.00119 | 2.01 | 0.0179 | 0.000369 | 1.21 | 0.00159 | 0.0023 | 0.000174 | 0.000129 | 0.0000676 | 0.0471 | 0.00000534 | 0.0000808 | 0.000311 | 0.0018 | 0.000309 |
| 2036 May | 0.0000028 | 1.53 | 0.0012 | 2.03 | 0.018 | 0.000371 | 1.22 | 0.0016 | 0.00232 | 0.000175 | 0.00013 | 0.000068 | 0.0474 | 0.00000538 | 0.0000813 | 0.000313 | 0.00181 | 0.000311 |
| 2036 Jun | 0.00000271 | 1.52 | 0.00108 | 2.06 | 0.0146 | 0.000306 | 1.24 | 0.00148 | 0.00253 | 0.0000822 | 0.000111 | 0.0000592 | 0.0448 | 0.00000525 | 0.0000683 | 0.000296 | 0.00164 | 0.000239 |
| 2036 Jul | 0.00000275 | 1.67 | 0.00121 | 2.23 | 0.0175 | 0.000363 | 1.35 | 0.00166 | 0.00278 | 0.0000486 | 0.000121 | 0.0000661 | 0.0503 | 0.00000532 | 0.000079 | 0.000305 | 0.00162 | 0.000273 |
| 2036 Aug | 0.00000279 | 1.65 | 0.00122 | 2.2 | 0.0177 | 0.000364 | 1.33 | 0.00166 | 0.00272 | 0.0000467 | 0.000122 | 0.0000665 | 0.05 | 0.0000054 | 0.0000795 | 0.000309 | 0.00164 | 0.000272 |
| 2036 Sep | 0.00000279 | 1.6 | 0.0012 | 2.13 | 0.0172 | 0.000353 | 1.29 | 0.00158 | 0.0026 | 0.0000439 | 0.000119 | 0.0000655 | 0.0484 | 0.0000054 | 0.0000775 | 0.000307 | 0.00163 | 0.000262 |
| 2036 Oct | 0.00000275 | 1.5 | 0.00115 | 2 | 0.0162 | 0.000333 | 1.21 | 0.00145 | 0.00236 | 0.000102 | 0.000117 | 0.0000638 | 0.0459 | 0.00000533 | 0.0000735 | 0.000301 | 0.00169 | 0.000242 |
| 2036 Nov | 0.00000275 | 1.52 | 0.00117 | 2.02 | 0.0165 | 0.00034 | 1.22 | 0.00147 | 0.00237 | 0.000119 | 0.000119 | 0.0000646 | 0.0466 | 0.00000533 | 0.0000748 | 0.000302 | 0.00172 | 0.000247 |
| 2036 Dec | 0.00000275 | 1.52 | 0.00117 | 2.02 | 0.0166 | 0.00034 | 1.22 | 0.00147 | 0.00237 | 0.000118 | 0.000119 | 0.0000647 | 0.0466 | 0.00000534 | 0.0000749 | 0.000302 | 0.00172 | 0.000248 |
| 2037 Jan | 0.00000275 | 1.52 | 0.00117 | 2.02 | 0.0166 | 0.00034 | 1.22 | 0.00147 | 0.00237 | 0.000118 | 0.000119 | 0.0000647 | 0.0466 | 0.00000534 | 0.0000749 | 0.000302 | 0.00172 | 0.000248 |
| 2037 Feb | 0.00000275 | 1.52 | 0.00117 | 2.02 | 0.0166 | 0.00034 | 1.22 | 0.00147 | 0.00237 | 0.000118 | 0.000119 | 0.0000647 | 0.0466 | 0.00000534 | 0.0000749 | 0.000302 | 0.00172 | 0.000248 |
| 2037 Mar | 0.00000275 | 1.52 | 0.00117 | 2.02 | 0.0166 | 0.00034 | 1.22 | 0.00147 | 0.00237 | 0.000118 | 0.000119 | 0.0000647 | 0.0466 | 0.00000534 | 0.0000749 | 0.000302 | 0.00172 | 0.000248 |
| 2037 Apr | 0.00000275 | 1.52 | 0.00117 | 2.02 | 0.0166 | 0.00034 | 1.22 | 0.00147 | 0.00237 | 0.000118 | 0.00012 | 0.0000647 | 0.0466 | 0.00000534 | 0.000075 | 0.000302 | 0.00172 | 0.000248 |
| 2037 May | 0.00000272 | 1.45 | 0.00111 | 1.94 | 0.0149 | 0.000308 | 1.18 | 0.0014 | 0.00217 | 0.0000951 | 0.000112 | 0.0000604 | 0.0433 | 0.0000053 | 0.0000688 | 0.000296 | 0.00168 | 0.000219 |
| 2037 Jun | 0.00000265 | 1.59 | 0.00119 | 2.11 | 0.0163 | 0.000339 | 1.29 | 0.0015 | 0.00243 | 0.0000362 | 0.000113 | 0.0000631 | 0.0477 | 0.00000516 | 0.0000738 | 0.000288 | 0.00155 | 0.000214 |
| 2037 Jul | 0.00000271 | 1.73 | 0.00131 | 2.27 | 0.0189 | 0.00039 | 1.38 | 0.00164 | 0.0027 | 0.0000344 | 0.000124 | 0.0000696 | 0.0531 | 0.00000526 | 0.0000833 | 0.000298 | 0.00158 | 0.000243 |
| 2037 Aug | 0.00000275 | 1.7 | 0.0013 | 2.23 | 0.0186 | 0.000382 | 1.36 | 0.00161 | 0.00265 | 0.0000342 | 0.000123 | 0.000069 | 0.0522 | 0.00000534 | 0.0000822 | 0.0003 | 0.0016 | 0.000237 |
| 2037 Sep | 0.00000277 | 1.67 | 0.00128 | 2.2 | 0.0182 | 0.000373 | 1.34 | 0.00157 | 0.0026 | 0.000034 | 0.000121 | 0.0000683 | 0.0512 | 0.00000538 | 0.0000806 | 0.000302 | 0.00162 | 0.00023 |
| 2037 Oct | 0.00000275 | 1.61 | 0.00124 | 2.13 | 0.0172 | 0.000354 | 1.29 | 0.0015 | 0.00248 | 0.0000778 | 0.000119 | 0.0000662 | 0.0494 | 0.00000536 | 0.000077 | 0.000299 | 0.00167 | 0.000217 |
| 2037 Nov | 0.00000275 | 1.6 | 0.00123 | 2.12 | 0.0171 | 0.00035 | 1.28 | 0.00149 | 0.00245 | 0.000104 | 0.00012 | 0.0000658 | 0.0492 | 0.00000535 | 0.0000764 | 0.000298 | 0.0017 | 0.000214 |
| 2037 Dec | 0.00000275 | 1.6 | 0.00123 | 2.12 | 0.0171 | 0.00035 | 1.28 | 0.00149 | 0.00245 | 0.000104 | 0.00012 | 0.0000658 | 0.0492 | 0.00000535 | 0.0000764 | 0.000298 | 0.0017 | 0.000214 |
| 2038 Jan | 0.00000275 | 1.6 | 0.00123 | 2.12 | 0.0171 | 0.00035 | 1.28 | 0.00149 | 0.00245 | 0.000103 | 0.00012 | 0.0000658 | 0.0491 | 0.00000535 | 0.0000764 | 0.000298 | 0.0017 | 0.000214 |
| 2038 Feb | 0.00000275 | 1.6 | 0.00123 | 2.12 | 0.0171 | 0.00035 | 1.28 | 0.00149 | 0.00245 | 0.000103 | 0.00012 | 0.0000658 | 0.0491 | 0.00000535 | 0.0000764 | 0.000298 | 0.0017 | 0.000214 |
| 2038 Mar | 0.00000275 | 1.6 | 0.00123 | 2.12 | 0.0171 | 0.00035 | 1.28 | 0.00149 | 0.00245 | 0.000103 | 0.00012 | 0.0000658 | 0.0491 | 0.00000535 | 0.0000764 | 0.000298 | 0.0017 | 0.000214 |
| 2038 Apr | 0.00000275 | 1.61 | 0.00124 | 2.12 | 0.0171 | 0.000351 | 1.28 | 0.00149 | 0.00245 | 0.000103 | 0.00012 | 0.0000659 | 0.0492 | 0.00000536 | 0.0000765 | 0.000298 | 0.00171 | 0.000214 |
| 2038 May | 0.00000274 | 1.54 | 0.00117 | 2.05 | 0.0156 | 0.000322 | 1.24 | 0.00142 | 0.00231 | 0.0000933 | 0.000114 | 0.0000624 | 0.0463 | 0.00000534 | 0.0000712 | 0.000295 | 0.00169 | 0.000195 |
| 2038 Jun | 0.00000266 | 1.53 | 0.00115 | 2.04 | 0.0149 | 0.00031 | 1.25 | 0.00138 | 0.00226 | 0.0000422 | 0.000107 | 0.0000602 | 0.0455 | 0.0000052 | 0.0000683 | 0.000284 | 0.00157 | 0.000169 |
| 2038 Jul | 0.00000274 | 1.63 | 0.00122 | 2.16 | 0.0161 | 0.000335 | 1.32 | 0.00146 | 0.00245 | 0.0000411 | 0.000114 | 0.000064 | 0.0488 | 0.00000536 | 0.0000732 | 0.000294 | 0.00162 | 0.000182 |
| 2038 Aug | 0.00000279 | 1.61 | 0.00122 | 2.14 | 0.016 | 0.000331 | 1.31 | 0.00144 | 0.00242 | 0.0000403 | 0.000114 | 0.0000639 | 0.0484 | 0.00000545 | 0.0000728 | 0.000298 | 0.00165 | 0.000178 |
| 2038 Sep | 0.00000278 | 1.56 | 0.0012 | 2.08 | 0.0155 | 0.00032 | 1.27 | 0.00138 | 0.00235 | 0.0000388 | 0.000111 | 0.000063 | 0.0471 | 0.00000544 | 0.0000707 | 0.000296 | 0.00164 | 0.000171 |
| 2038 Oct | 0.00000274 | 1.49 | 0.00115 | 1.98 | 0.0145 | 0.0003 | 1.21 | 0.00127 | 0.00222 | 0.0000685 | 0.000108 | 0.000061 | 0.0448 | 0.00000536 | 0.0000668 | 0.000291 | 0.00166 | 0.000158 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 0.00000274 | 1.49 | 0.00115 | 1.99 | 0.0146 | 0.000301 | 1.21 | 0.00128 | 0.00222 | 0.0000722 | 0.000108 | 0.0000612 | 0.045 | 0.00000537 | 0.000067 | 0.000291 | 0.00167 | 0.000159 |
| 2038 Dec | 0.00000274 | 1.49 | 0.00115 | 1.99 | 0.0146 | 0.000301 | 1.21 | 0.00128 | 0.00222 | 0.0000721 | 0.000108 | 0.0000611 | 0.045 | 0.00000537 | 0.000067 | 0.000291 | 0.00167 | 0.000159 |
| 2039 Jan | 0.00000274 | 1.49 | 0.00115 | 1.99 | 0.0146 | 0.000301 | 1.21 | 0.00128 | 0.00222 | 0.0000721 | 0.000108 | 0.0000611 | 0.045 | 0.00000537 | 0.000067 | 0.000291 | 0.00167 | 0.000159 |
| 2039 Feb | 0.00000274 | 1.49 | 0.00115 | 1.99 | 0.0146 | 0.000301 | 1.21 | 0.00128 | 0.00222 | 0.0000721 | 0.000108 | 0.0000611 | 0.0449 | 0.00000537 | 0.000067 | 0.000291 | 0.00167 | 0.000159 |
| 2039 Mar | 0.00000274 | 1.49 | 0.00115 | 1.99 | 0.0146 | 0.000301 | 1.21 | 0.00128 | 0.00222 | 0.0000721 | 0.000108 | 0.0000611 | 0.045 | 0.00000537 | 0.000067 | 0.000291 | 0.00167 | 0.000159 |
| 2039 Apr | 0.00000274 | 1.49 | 0.00115 | 1.99 | 0.0146 | 0.000301 | 1.21 | 0.00128 | 0.00223 | 0.0000722 | 0.000109 | 0.0000612 | 0.045 | 0.00000537 | 0.0000671 | 0.000291 | 0.00167 | 0.000159 |
| 2039 May | 0.00000275 | 1.5 | 0.00116 | 2 | 0.0147 | 0.000303 | 1.22 | 0.00128 | 0.00224 | 0.0000725 | 0.000109 | 0.0000615 | 0.0452 | 0.0000054 | 0.0000674 | 0.000293 | 0.00168 | 0.00016 |
| 2039 Jun | 0.00000265 | 1.52 | 0.00106 | 2.05 | 0.0125 | 0.000264 | 1.25 | 0.00124 | 0.00252 | 0.0000441 | 0.0000985 | 0.0000554 | 0.0443 | 0.00000522 | 0.0000593 | 0.000279 | 0.00158 | 0.000127 |
| 2039 Jul | 0.00000268 | 1.64 | 0.00121 | 2.18 | 0.0157 | 0.000322 | 1.32 | 0.00138 | 0.00267 | 0.0000337 | 0.000109 | 0.0000625 | 0.0496 | 0.00000525 | 0.0000701 | 0.000284 | 0.00158 | 0.000148 |
| 2039 Aug | 0.00000272 | 1.61 | 0.00123 | 2.14 | 0.0162 | 0.000327 | 1.29 | 0.00138 | 0.00257 | 0.0000331 | 0.000111 | 0.0000634 | 0.0492 | 0.00000534 | 0.0000715 | 0.000288 | 0.0016 | 0.000149 |
| 2039 Sep | 0.00000273 | 1.56 | 0.00121 | 2.07 | 0.0156 | 0.000315 | 1.26 | 0.00132 | 0.00247 | 0.0000326 | 0.000109 | 0.0000626 | 0.0478 | 0.00000536 | 0.0000694 | 0.000288 | 0.00161 | 0.000142 |
| 2039 Oct | 0.00000272 | 1.54 | 0.00119 | 2.04 | 0.0154 | 0.000311 | 1.24 | 0.00128 | 0.00241 | 0.000033 | 0.000108 | 0.0000624 | 0.0471 | 0.00000534 | 0.0000685 | 0.000287 | 0.00161 | 0.00014 |
| 2039 Nov | 0.00000272 | 1.54 | 0.0012 | 2.04 | 0.0154 | 0.000311 | 1.24 | 0.00128 | 0.00241 | 0.0000337 | 0.000108 | 0.0000625 | 0.0471 | 0.00000535 | 0.0000686 | 0.000287 | 0.00161 | 0.00014 |
| 2039 Dec | 0.00000272 | 1.54 | 0.0012 | 2.04 | 0.0154 | 0.000311 | 1.24 | 0.00128 | 0.00241 | 0.0000337 | 0.000108 | 0.0000625 | 0.0471 | 0.00000535 | 0.0000686 | 0.000287 | 0.00161 | 0.00014 |
| 2040 Jan | 0.00000272 | 1.54 | 0.00119 | 2.04 | 0.0154 | 0.000311 | 1.24 | 0.00128 | 0.00241 | 0.0000337 | 0.000108 | 0.0000625 | 0.0471 | 0.00000535 | 0.0000685 | 0.000287 | 0.00161 | 0.00014 |
| 2040 Feb | 0.00000272 | 1.54 | 0.00119 | 2.04 | 0.0154 | 0.000311 | 1.24 | 0.00128 | 0.00241 | 0.0000337 | 0.000108 | 0.0000625 | 0.0471 | 0.00000535 | 0.0000685 | 0.000287 | 0.00161 | 0.00014 |
| 2040 Mar | 0.00000272 | 1.54 | 0.00119 | 2.04 | 0.0154 | 0.000311 | 1.24 | 0.00128 | 0.00241 | 0.0000337 | 0.000108 | 0.0000625 | 0.0471 | 0.00000535 | 0.0000685 | 0.000287 | 0.00161 | 0.00014 |
| 2040 Apr | 0.00000272 | 1.54 | 0.0012 | 2.04 | 0.0154 | 0.000311 | 1.24 | 0.00128 | 0.00242 | 0.0000337 | 0.000108 | 0.0000625 | 0.0471 | 0.00000535 | 0.0000686 | 0.000287 | 0.00161 | 0.00014 |
| 2040 May | 0.00000272 | 1.51 | 0.00117 | 2.01 | 0.0148 | 0.000299 | 1.22 | 0.00126 | 0.00235 | 0.0000333 | 0.000106 | 0.000061 | 0.0458 | 0.00000535 | 0.0000664 | 0.000287 | 0.00161 | 0.000134 |
| 2040 Jun | 0.00000263 | 1.52 | 0.00112 | 2.04 | 0.0133 | 0.000278 | 1.25 | 0.00123 | 0.00232 | 0.0000294 | 0.0000997 | 0.0000572 | 0.0449 | 0.00000518 | 0.0000618 | 0.000274 | 0.00155 | 0.000111 |
| 2040 Jul | 0.00000268 | 1.66 | 0.00124 | 2.2 | 0.0157 | 0.000325 | 1.34 | 0.00135 | 0.00257 | 0.0000301 | 0.000109 | 0.0000633 | 0.0502 | 0.00000528 | 0.0000705 | 0.000282 | 0.00158 | 0.000128 |
| 2040 Aug | 0.00000271 | 1.62 | 0.00123 | 2.14 | 0.0157 | 0.00032 | 1.3 | 0.00133 | 0.00249 | 0.0000302 | 0.000109 | 0.0000629 | 0.0491 | 0.00000533 | 0.00007 | 0.000284 | 0.0016 | 0.000125 |
| 2040 Sep | 0.00000269 | 1.53 | 0.00119 | 2.01 | 0.0149 | 0.000305 | 1.23 | 0.00122 | 0.00233 | 0.0000297 | 0.000105 | 0.0000611 | 0.0467 | 0.0000053 | 0.0000672 | 0.000281 | 0.00159 | 0.000116 |
| 2040 Oct | 0.0000027 | 1.54 | 0.0012 | 2.02 | 0.0151 | 0.000308 | 1.23 | 0.00122 | 0.00234 | 0.0000306 | 0.000106 | 0.0000617 | 0.047 | 0.00000532 | 0.0000677 | 0.000283 | 0.0016 | 0.000117 |
| 2040 Nov | 0.0000027 | 1.54 | 0.0012 | 2.02 | 0.0151 | 0.000308 | 1.23 | 0.00122 | 0.00234 | 0.0000312 | 0.000106 | 0.0000617 | 0.047 | 0.00000532 | 0.0000677 | 0.000283 | 0.0016 | 0.000117 |
| 2040 Dec | 0.0000027 | 1.54 | 0.0012 | 2.02 | 0.0151 | 0.000308 | 1.23 | 0.00122 | 0.00234 | 0.0000312 | 0.000106 | 0.0000617 | 0.047 | 0.00000532 | 0.0000677 | 0.000283 | 0.0016 | 0.000117 |
| 2041 Jan | 0.0000027 | 1.54 | 0.0012 | 2.02 | 0.0151 | 0.000308 | 1.23 | 0.00122 | 0.00234 | 0.0000312 | 0.000106 | 0.0000617 | 0.047 | 0.00000532 | 0.0000677 | 0.000283 | 0.0016 | 0.000117 |
| 2041 Feb | 0.0000027 | 1.54 | 0.0012 | 2.02 | 0.0151 | 0.000308 | 1.23 | 0.00122 | 0.00234 | 0.0000312 | 0.000106 | 0.0000617 | 0.047 | 0.00000532 | 0.0000677 | 0.000283 | 0.0016 | 0.000117 |
| 2041 Mar | 0.0000027 | 1.54 | 0.0012 | 2.02 | 0.0151 | 0.000308 | 1.23 | 0.00122 | 0.00234 | 0.0000312 | 0.000106 | 0.0000617 | 0.047 | 0.00000533 | 0.0000677 | 0.000283 | 0.0016 | 0.000117 |
| 2041 Apr | 0.0000027 | 1.54 | 0.0012 | 2.02 | 0.0151 | 0.000308 | 1.23 | 0.00122 | 0.00234 | 0.0000312 | 0.000106 | 0.0000617 | 0.047 | 0.00000533 | 0.0000677 | 0.000283 | 0.0016 | 0.000117 |
| 2041 May | 0.00000271 | 1.54 | 0.0012 | 2.02 | 0.015 | 0.000306 | 1.23 | 0.00122 | 0.00233 | 0.0000312 | 0.000106 | 0.0000615 | 0.0469 | 0.00000534 | 0.0000675 | 0.000284 | 0.0016 | 0.000116 |
| 2041 Jun | 0.00000264 | 1.5 | 0.00108 | 2.02 | 0.0123 | 0.000257 | 1.23 | 0.00116 | 0.00245 | 0.0000294 | 0.0000958 | 0.0000549 | 0.0442 | 0.00000522 | 0.0000579 | 0.000274 | 0.00157 | 0.000092 |
| 2041 Jul | 0.00000265 | 1.64 | 0.0012 | 2.18 | 0.0147 | 0.000303 | 1.32 | 0.00127 | 0.00268 | 0.0000293 | 0.000104 | 0.0000607 | 0.0495 | 0.00000523 | 0.0000662 | 0.000276 | 0.00157 | 0.000102 |
| 2041 Aug | 0.00000266 | 1.56 | 0.0012 | 2.06 | 0.0151 | 0.000304 | 1.25 | 0.00123 | 0.00245 | 0.0000292 | 0.000104 | 0.0000607 | 0.0477 | 0.00000525 | 0.0000666 | 0.000277 | 0.00157 | 0.0000998 |
| 2041 Sep | 0.00000266 | 1.53 | 0.0012 | 2.01 | 0.015 | 0.000302 | 1.22 | 0.00118 | 0.00237 | 0.0000292 | 0.000104 | 0.000061 | 0.0471 | 0.00000526 | 0.0000663 | 0.000277 | 0.00158 | 0.0000981 |
| 2041 Oct | 0.00000264 | 1.49 | 0.00119 | 1.96 | 0.0147 | 0.000298 | 1.19 | 0.00111 | 0.00227 | 0.0000332 | 0.000103 | 0.0000613 | 0.0462 | 0.00000522 | 0.0000655 | 0.000275 | 0.00157 | 0.0000956 |
| 2041 Nov | 0.00000265 | 1.5 | 0.0012 | 1.97 | 0.0149 | 0.000301 | 1.2 | 0.00112 | 0.00228 | 0.0000359 | 0.000104 | 0.0000617 | 0.0465 | 0.00000523 | 0.0000661 | 0.000275 | 0.00158 | 0.0000966 |
| 2041 Dec | 0.00000265 | 1.5 | 0.0012 | 1.97 | 0.0149 | 0.000301 | 1.2 | 0.00112 | 0.00228 | 0.0000359 | 0.000104 | 0.0000617 | 0.0465 | 0.00000523 | 0.0000661 | 0.000275 | 0.00158 | 0.0000966 |
| 2042 Jan | 0.00000265 | 1.5 | 0.0012 | 1.97 | 0.0149 | 0.000301 | 1.2 | 0.00112 | 0.00228 | 0.0000359 | 0.000104 | 0.0000617 | 0.0465 | 0.00000523 | 0.0000661 | 0.000275 | 0.00158 | 0.0000966 |
| 2042 Feb | 0.00000265 | 1.5 | 0.0012 | 1.97 | 0.0149 | 0.000301 | 1.2 | 0.00112 | 0.00228 | 0.0000359 | 0.000104 | 0.0000617 | 0.0465 | 0.00000523 | 0.0000661 | 0.000275 | 0.00158 | 0.0000966 |
| 2042 Mar | 0.00000265 | 1.5 | 0.0012 | 1.97 | 0.0149 | 0.000301 | 1.2 | 0.00112 | 0.00228 | 0.0000359 | 0.000104 | 0.0000617 | 0.0465 | 0.00000523 | 0.0000661 | 0.000275 | 0.00158 | 0.0000967 |
| 2042 Apr | 0.00000265 | 1.5 | 0.0012 | 1.97 | 0.0149 | 0.000301 | 1.2 | 0.00112 | 0.00229 | 0.0000359 | 0.000104 | 0.0000618 | 0.0466 | 0.00000524 | 0.0000661 | 0.000276 | 0.00158 | 0.0000968 |
| 2042 May | 0.00000267 | 1.5 | 0.0012 | 1.97 | 0.0148 | 0.0003 | 1.2 | 0.00112 | 0.00228 | 0.0000359 | 0.000104 | 0.0000617 | 0.0465 | 0.00000527 | 0.0000659 | 0.000277 | 0.00159 | 0.000096 |
| 2042 Jun | 0.00000261 | 1.51 | 0.00109 | 2.03 | 0.0124 | 0.000257 | 1.23 | 0.00111 | 0.00247 | 0.000031 | 0.000095 | 0.0000553 | 0.0448 | 0.00000517 | 0.0000575 | 0.000269 | 0.00155 | 0.0000759 |
| 2042 Jul | 0.00000263 | 1.65 | 0.00122 | 2.17 | 0.0151 | 0.000307 | 1.32 | 0.00123 | 0.00265 | 0.0000294 | 0.000104 | 0.0000614 | 0.0501 | 0.00000519 | 0.0000667 | 0.000272 | 0.00156 | 0.0000855 |
| 2042 Aug | 0.00000262 | 1.53 | 0.00121 | 2.01 | 0.015 | 0.000301 | 1.22 | 0.00117 | 0.00236 | 0.0000289 | 0.000103 | 0.0000604 | 0.0473 | 0.00000518 | 0.0000659 | 0.000271 | 0.00155 | 0.0000812 |
| 2042 Sep | 0.00000261 | 1.49 | 0.00119 | 1.94 | 0.0147 | 0.000296 | 1.18 | 0.00109 | 0.00225 | 0.0000287 | 0.000102 | 0.0000604 | 0.0462 | 0.00000517 | 0.000065 | 0.00027 | 0.00155 | 0.0000784 |
| 2042 Oct | 0.00000258 | 1.44 | 0.00116 | 1.88 | 0.014 | 0.000283 | 1.14 | 0.001 | 0.00208 | 0.00012 | 0.000103 | 0.0000597 | 0.0448 | 0.0000051 | 0.0000623 | 0.000265 | 0.00166 | 0.0000723 |
| 2042 Nov | 0.00000258 | 1.47 | 0.00119 | 1.91 | 0.0145 | 0.000294 | 1.16 | 0.00103 | 0.00212 | 0.00013 | 0.000106 | 0.0000611 | 0.0461 | 0.00000511 | 0.0000643 | 0.000266 | 0.00167 | 0.000075 |
| 2042 Dec | 0.00000258 | 1.47 | 0.00119 | 1.92 | 0.0145 | 0.000294 | 1.16 | 0.00103 | 0.00213 | 0.00013 | 0.000106 | 0.0000612 | 0.0462 | 0.00000511 | 0.0000644 | 0.000266 | 0.00167 | 0.0000752 |
| 2043 Jan | 0.00000258 | 1.47 | 0.00119 | 1.92 | 0.0145 | 0.000295 | 1.16 | 0.00103 | 0.00213 | 0.00013 | 0.000106 | 0.0000612 | 0.0462 | 0.00000511 | 0.0000645 | 0.000266 | 0.00167 | 0.0000752 |
| 2043 Feb | 0.00000258 | 1.47 | 0.00119 | 1.92 | 0.0146 | 0.000295 | 1.16 | 0.00103 | 0.00213 | 0.00013 | 0.000106 | 0.0000612 | 0.0462 | 0.00000511 | 0.0000645 | 0.000266 | 0.00167 | 0.0000752 |
| 2043 Mar | 0.00000258 | 1.47 | 0.00119 | 1.92 | 0.0146 | 0.000295 | 1.16 | 0.00103 | 0.00213 | 0.00013 | 0.000106 | 0.0000612 | 0.0462 | 0.00000511 | 0.0000645 | 0.000266 | 0.00167 | 0.0000752 |
| 2043 Apr | 0.00000259 | 1.47 | 0.00119 | 1.92 | 0.0146 | 0.000295 | 1.16 | 0.00103 | 0.00213 | 0.00013 | 0.000106 | 0.0000613 | 0.0462 | 0.00000512 | 0.0000646 | 0.000267 | 0.00168 | 0.0000753 |
| 2043 May | 0.0000026 | 1.46 | 0.00118 | 1.92 | 0.0142 | 0.000288 | 1.16 | 0.00103 | 0.00211 | 0.000124 | 0.000105 | 0.0000605 | 0.0456 | 0.00000515 | 0.0000634 | 0.000268 | 0.00168 | 0.0000732 |
| 2043 Jun | 0.00000256 | 1.52 | 0.00113 | 2.03 | 0.0129 | 0.00027 | 1.24 | 0.00111 | 0.00227 | 0.0000419 | 0.0000966 | 0.0000565 | 0.0454 | 0.00000508 | 0.0000595 | 0.000262 | 0.00154 | 0.0000599 |
| 2043 Jul | 0.00000263 | 1.67 | 0.00125 | 2.2 | 0.015 | 0.000311 | 1.34 | 0.00121 | 0.00255 | 0.0000382 | 0.000105 | 0.0000624 | 0.0508 | 0.00000522 | 0.0000672 | 0.000271 | 0.00158 | 0.0000684 |
| 2043 Aug | 0.00000263 | 1.56 | 0.0012 | 2.04 | 0.0141 | 0.000291 | 1.25 | 0.00112 | 0.00236 | 0.000035 | 0.000101 | 0.0000596 | 0.0475 | 0.00000522 | 0.0000638 | 0.00027 | 0.00157 | 0.0000624 |
| 2043 Sep | 0.00000261 | 1.47 | 0.00116 | 1.91 | 0.0135 | 0.000278 | 1.17 | 0.00101 | 0.00219 | 0.000032 | 0.0000979 | 0.000058 | 0.045 | 0.00000517 | 0.0000614 | 0.000267 | 0.00156 | 0.0000579 |
| 2043 Oct | 0.00000261 | 1.47 | 0.00117 | 1.91 | 0.0138 | 0.000282 | 1.17 | 0.00101 | 0.00219 | 0.0000329 | 0.0000989 | 0.0000589 | 0.0454 | 0.00000518 | 0.0000622 | 0.000267 | 0.00156 | 0.0000586 |
| 2043 Nov | 0.00000261 | 1.48 | 0.00117 | 1.92 | 0.0138 | 0.000283 | 1.18 | 0.00101 | 0.00219 | 0.0000337 | 0.0000991 | 0.000059 | 0.0455 | 0.00000519 | 0.0000623 | 0.000268 | 0.00156 | 0.0000587 |
| 2043 Dec | 0.00000261 | 1.48 | 0.00117 | 1.92 | 0.0138 | 0.000283 | 1.18 | 0.00101 | 0.00219 | 0.0000337 | 0.000099 | 0.000059 | 0.0455 | 0.00000519 | 0.0000623 | 0.000268 | 0.00156 | 0.0000587 |
| 2044 Jan | 0.00000261 | 1.48 | 0.00117 | 1.92 | 0.0138 | 0.000283 | 1.18 | 0.00101 | 0.00219 | 0.0000337 | 0.000099 | 0.000059 | 0.0455 | 0.00000519 | 0.0000623 | 0.000268 | 0.00156 | 0.0000587 |
| 2044 Feb | 0.00000261 | 1.48 | 0.00117 | 1.92 | 0.0138 | 0.000283 | 1.18 | 0.00101 | 0.00219 | 0.0000337 | 0.000099 | 0.000059 | 0.0455 | 0.00000519 | 0.0000623 | 0.000268 | 0.00156 | 0.0000586 |
| 2044 Mar | 0.00000261 | 1.48 | 0.00117 | 1.92 | 0.0138 | 0.000283 | 1.18 | 0.00101 | 0.00219 | 0.0000337 | 0.000099 | 0.000059 | 0.0455 | 0.00000519 | 0.0000623 | 0.000268 | 0.00156 | 0.0000587 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 0.00000261 | 1.48 | 0.00117 | 1.92 | 0.0138 | 0.000283 | 1.18 | 0.00101 | 0.00219 | 0.0000337 | 0.0000991 | 0.0000591 | 0.0455 | 0.00000519 | 0.0000623 | 0.000268 | 0.00156 | 0.0000587 |
| 2044 May | 0.00000263 | 1.48 | 0.00118 | 1.93 | 0.0138 | 0.000283 | 1.18 | 0.00101 | 0.0022 | 0.0000338 | 0.0000993 | 0.0000592 | 0.0456 | 0.00000522 | 0.0000624 | 0.000269 | 0.00157 | 0.0000586 |
| 2044 Jun | 0.00000255 | 1.51 | 0.00108 | 2.03 | 0.0116 | 0.000245 | 1.23 | 0.00105 | 0.00244 | 0.0000287 | 0.0000911 | 0.0000534 | 0.0445 | 0.00000508 | 0.0000547 | 0.00026 | 0.00152 | 0.0000452 |
| 2044 Jul | 0.00000261 | 1.67 | 0.00121 | 2.21 | 0.014 | 0.000291 | 1.34 | 0.00116 | 0.00269 | 0.0000291 | 0.000101 | 0.0000598 | 0.0502 | 0.00000519 | 0.0000632 | 0.000267 | 0.00156 | 0.0000525 |
| 2044 Aug | 0.00000266 | 1.64 | 0.00121 | 2.17 | 0.0139 | 0.000287 | 1.32 | 0.00114 | 0.00263 | 0.0000294 | 0.000101 | 0.0000596 | 0.0494 | 0.00000528 | 0.0000627 | 0.000271 | 0.00158 | 0.0000513 |
| 2044 Sep | 0.00000262 | 1.5 | 0.00114 | 1.98 | 0.0129 | 0.000265 | 1.21 | 0.00101 | 0.00234 | 0.0000286 | 0.0000957 | 0.0000571 | 0.0454 | 0.00000521 | 0.0000588 | 0.000267 | 0.00156 | 0.0000462 |
| 2044 Oct | 0.00000259 | 1.46 | 0.00112 | 1.92 | 0.0126 | 0.00026 | 1.17 | 0.000964 | 0.0022 | 0.000102 | 0.0000978 | 0.0000569 | 0.0445 | 0.00000516 | 0.0000578 | 0.000264 | 0.00165 | 0.0000444 |
| 2044 Nov | 0.00000259 | 1.47 | 0.00114 | 1.94 | 0.0129 | 0.000265 | 1.18 | 0.000978 | 0.00219 | 0.000141 | 0.0001 | 0.0000574 | 0.0451 | 0.00000516 | 0.0000587 | 0.000264 | 0.0017 | 0.000045 |
| 2044 Dec | 0.00000259 | 1.48 | 0.00114 | 1.94 | 0.0129 | 0.000265 | 1.18 | 0.000979 | 0.00219 | 0.000141 | 0.000101 | 0.0000575 | 0.0452 | 0.00000516 | 0.0000588 | 0.000264 | 0.0017 | 0.0000451 |
| 2045 Jan | 0.00000259 | 1.48 | 0.00114 | 1.94 | 0.0129 | 0.000265 | 1.18 | 0.000979 | 0.00219 | 0.000141 | 0.000101 | 0.0000575 | 0.0452 | 0.00000516 | 0.0000588 | 0.000264 | 0.0017 | 0.0000451 |
| 2045 Feb | 0.00000259 | 1.48 | 0.00114 | 1.94 | 0.0129 | 0.000265 | 1.18 | 0.000979 | 0.00219 | 0.00014 | 0.000101 | 0.0000575 | 0.0452 | 0.00000516 | 0.0000588 | 0.000264 | 0.0017 | 0.0000451 |
| 2045 Mar | 0.00000259 | 1.48 | 0.00114 | 1.94 | 0.0129 | 0.000265 | 1.18 | 0.000979 | 0.00219 | 0.00014 | 0.000101 | 0.0000575 | 0.0452 | 0.00000516 | 0.0000588 | 0.000264 | 0.0017 | 0.0000451 |
| 2045 Apr | 0.0000026 | 1.48 | 0.00114 | 1.94 | 0.0129 | 0.000265 | 1.18 | 0.00098 | 0.00219 | 0.000141 | 0.000101 | 0.0000575 | 0.0452 | 0.00000516 | 0.0000589 | 0.000264 | 0.0017 | 0.0000452 |
| 2045 May | 0.00000261 | 1.48 | 0.00115 | 1.95 | 0.013 | 0.000267 | 1.18 | 0.000985 | 0.00221 | 0.000141 | 0.000101 | 0.0000578 | 0.0454 | 0.00000519 | 0.0000592 | 0.000266 | 0.00171 | 0.0000454 |
| 2045 Jun | 0.00000257 | 1.49 | 0.00105 | 2.01 | 0.011 | 0.000231 | 1.22 | 0.001 | 0.00243 | 0.000078 | 0.0000911 | 0.0000523 | 0.0438 | 0.00000512 | 0.0000522 | 0.000261 | 0.00161 | 0.0000364 |
| 2045 Jul | 0.00000263 | 1.6 | 0.00113 | 2.15 | 0.0122 | 0.000256 | 1.3 | 0.00108 | 0.00265 | 0.0000537 | 0.0000956 | 0.0000558 | 0.0475 | 0.00000524 | 0.0000568 | 0.000267 | 0.00161 | 0.0000389 |
| 2045 Aug | 0.00000268 | 1.61 | 0.00114 | 2.15 | 0.0123 | 0.000257 | 1.31 | 0.00109 | 0.00264 | 0.000053 | 0.0000966 | 0.0000564 | 0.0476 | 0.00000534 | 0.0000573 | 0.000272 | 0.00164 | 0.0000388 |
| 2045 Sep | 0.00000268 | 1.57 | 0.00113 | 2.1 | 0.0122 | 0.000253 | 1.27 | 0.00105 | 0.00255 | 0.0000499 | 0.0000957 | 0.0000562 | 0.0466 | 0.00000534 | 0.0000567 | 0.000272 | 0.00163 | 0.0000379 |
| 2045 Oct | 0.00000269 | 1.56 | 0.00113 | 2.09 | 0.0121 | 0.000252 | 1.27 | 0.00104 | 0.00253 | 0.0000499 | 0.0000956 | 0.0000562 | 0.0464 | 0.00000535 | 0.0000566 | 0.000273 | 0.00163 | 0.0000377 |
| 2045 Nov | 0.00000269 | 1.56 | 0.00113 | 2.09 | 0.0121 | 0.000252 | 1.27 | 0.00104 | 0.00253 | 0.0000505 | 0.0000957 | 0.0000562 | 0.0464 | 0.00000535 | 0.0000565 | 0.000273 | 0.00164 | 0.0000377 |
| 2045 Dec | 0.00000269 | 1.56 | 0.00113 | 2.09 | 0.0121 | 0.000252 | 1.27 | 0.00104 | 0.00253 | 0.0000505 | 0.0000956 | 0.0000562 | 0.0463 | 0.00000535 | 0.0000565 | 0.000273 | 0.00164 | 0.0000377 |
| 2046 Jan | 0.00000269 | 1.56 | 0.00113 | 2.09 | 0.0121 | 0.000252 | 1.27 | 0.00104 | 0.00253 | 0.0000505 | 0.0000956 | 0.0000562 | 0.0463 | 0.00000535 | 0.0000565 | 0.000273 | 0.00164 | 0.0000376 |
| 2046 Feb | 0.00000269 | 1.56 | 0.00113 | 2.09 | 0.0121 | 0.000252 | 1.27 | 0.00104 | 0.00253 | 0.0000505 | 0.0000956 | 0.0000562 | 0.0463 | 0.00000535 | 0.0000565 | 0.000273 | 0.00164 | 0.0000376 |
| 2046 Mar | 0.00000269 | 1.56 | 0.00113 | 2.09 | 0.0121 | 0.000252 | 1.27 | 0.00104 | 0.00253 | 0.0000505 | 0.0000956 | 0.0000562 | 0.0463 | 0.00000535 | 0.0000565 | 0.000273 | 0.00164 | 0.0000376 |
| 2046 Apr | 0.00000269 | 1.56 | 0.00113 | 2.09 | 0.0121 | 0.000252 | 1.27 | 0.00104 | 0.00253 | 0.0000506 | 0.0000958 | 0.0000563 | 0.0464 | 0.00000536 | 0.0000566 | 0.000273 | 0.00164 | 0.0000377 |
| 2046 May | 0.00000271 | 1.57 | 0.00113 | 2.1 | 0.0122 | 0.000254 | 1.28 | 0.00104 | 0.00255 | 0.0000509 | 0.0000963 | 0.0000566 | 0.0467 | 0.00000539 | 0.0000569 | 0.000275 | 0.00165 | 0.0000379 |
| 2046 Jun | 0.00000275 | 1.99 | 0.00154 | 2.55 | 0.0203 | 0.000455 | 1.52 | 0.00171 | 0.00317 | 0.0000369 | 0.000128 | 0.0000766 | 0.0628 | 0.00000532 | 0.0000915 | 0.00028 | 0.0016 | 0.0000819 |
| 2046 Jul | 0.00000296 | 2.41 | 0.00204 | 3.01 | 0.0304 | 0.000713 | 1.76 | 0.00269 | 0.00378 | 0.0000342 | 0.000169 | 0.000102 | 0.0803 | 0.00000549 | 0.000136 | 0.000303 | 0.00164 | 0.00015 |
| 2046 Aug | 0.00000298 | 2.3 | 0.00196 | 2.88 | 0.029 | 0.000685 | 1.69 | 0.00265 | 0.0036 | 0.0000342 | 0.000164 | 0.0000981 | 0.0764 | 0.00000555 | 0.000131 | 0.000306 | 0.00166 | 0.000146 |
| 2046 Sep | 0.00000298 | 2.1 | 0.00183 | 2.63 | 0.0268 | 0.000656 | 1.53 | 0.00262 | 0.00329 | 0.0000336 | 0.000157 | 0.000093 | 0.0697 | 0.00000548 | 0.000126 | 0.000304 | 0.00164 | 0.000148 |
| 2046 Oct | 0.00000308 | 2.15 | 0.00192 | 2.7 | 0.0288 | 0.000731 | 1.55 | 0.00301 | 0.00342 | 0.0000435 | 0.000168 | 0.0000986 | 0.0721 | 0.00000553 | 0.000139 | 0.000313 | 0.00166 | 0.000176 |
| 2046 Nov | 0.0000031 | 2.19 | 0.00196 | 2.75 | 0.0295 | 0.000754 | 1.58 | 0.00312 | 0.00348 | 0.0000467 | 0.000172 | 0.000101 | 0.0736 | 0.00000555 | 0.000143 | 0.000316 | 0.00168 | 0.000183 |
| 2046 Dec | 0.00000311 | 2.2 | 0.00196 | 2.75 | 0.0296 | 0.000757 | 1.58 | 0.00313 | 0.00349 | 0.0000467 | 0.000172 | 0.000101 | 0.0738 | 0.00000556 | 0.000143 | 0.000316 | 0.00168 | 0.000184 |
| 2047 Jan | 0.00000311 | 2.2 | 0.00196 | 2.76 | 0.0297 | 0.000758 | 1.58 | 0.00314 | 0.0035 | 0.0000467 | 0.000172 | 0.000101 | 0.0738 | 0.00000556 | 0.000143 | 0.000317 | 0.00168 | 0.000184 |
| 2047 Feb | 0.00000311 | 2.2 | 0.00196 | 2.76 | 0.0297 | 0.000758 | 1.58 | 0.00314 | 0.0035 | 0.0000467 | 0.000172 | 0.000101 | 0.0738 | 0.00000556 | 0.000143 | 0.000317 | 0.00168 | 0.000184 |
| 2047 Mar | 0.00000311 | 2.2 | 0.00196 | 2.76 | 0.0297 | 0.000758 | 1.58 | 0.00314 | 0.0035 | 0.0000467 | 0.000172 | 0.000101 | 0.0738 | 0.00000556 | 0.000144 | 0.000317 | 0.00168 | 0.000184 |
| 2047 Apr | 0.00000311 | 2.2 | 0.00196 | 2.76 | 0.0297 | 0.000758 | 1.58 | 0.00314 | 0.0035 | 0.0000467 | 0.000172 | 0.000101 | 0.0739 | 0.00000556 | 0.000144 | 0.000317 | 0.00168 | 0.000185 |
| 2047 May | 0.00000312 | 2.14 | 0.0019 | 2.7 | 0.0285 | 0.000738 | 1.55 | 0.00315 | 0.0034 | 0.0000447 | 0.000168 | 0.0000977 | 0.0711 | 0.00000556 | 0.00014 | 0.000317 | 0.00167 | 0.000183 |
| 2047 Jun | 0.00000333 | 2.08 | 0.00182 | 2.7 | 0.0278 | 0.000814 | 1.49 | 0.00413 | 0.00365 | 0.0000367 | 0.000173 | 0.0000944 | 0.0671 | 0.00000565 | 0.000152 | 0.000336 | 0.00169 | 0.000237 |
| 2047 Jul | 0.00000337 | 2.03 | 0.00177 | 2.67 | 0.0266 | 0.000784 | 1.48 | 0.00405 | 0.00363 | 0.0000368 | 0.000169 | 0.0000917 | 0.0652 | 0.00000576 | 0.000146 | 0.00034 | 0.00172 | 0.00023 |
| 2047 Aug | 0.00000336 | 1.94 | 0.00169 | 2.55 | 0.025 | 0.000734 | 1.42 | 0.00383 | 0.00346 | 0.0000364 | 0.000162 | 0.0000875 | 0.0618 | 0.00000579 | 0.000138 | 0.000338 | 0.00173 | 0.000215 |
| 2047 Sep | 0.00000327 | 1.79 | 0.00157 | 2.36 | 0.0228 | 0.000672 | 1.31 | 0.0035 | 0.00317 | 0.0000353 | 0.000152 | 0.0000823 | 0.0569 | 0.00000569 | 0.000128 | 0.000329 | 0.0017 | 0.000197 |
| 2047 Oct | 0.00000331 | 1.82 | 0.00162 | 2.39 | 0.0238 | 0.000708 | 1.32 | 0.00365 | 0.00321 | 0.0000556 | 0.000158 | 0.0000853 | 0.0584 | 0.00000571 | 0.000134 | 0.000333 | 0.00173 | 0.000208 |
| 2047 Nov | 0.00000334 | 1.84 | 0.00164 | 2.42 | 0.0244 | 0.000724 | 1.33 | 0.00373 | 0.00325 | 0.0000637 | 0.000161 | 0.0000866 | 0.0593 | 0.00000572 | 0.000137 | 0.000335 | 0.00175 | 0.000213 |
| 2047 Dec | 0.00000334 | 1.85 | 0.00165 | 2.42 | 0.0244 | 0.000726 | 1.34 | 0.00374 | 0.00326 | 0.0000637 | 0.000161 | 0.0000868 | 0.0594 | 0.00000573 | 0.000137 | 0.000335 | 0.00175 | 0.000214 |
| 2048 Jan | 0.00000334 | 1.85 | 0.00165 | 2.42 | 0.0244 | 0.000727 | 1.34 | 0.00374 | 0.00326 | 0.0000637 | 0.000161 | 0.0000868 | 0.0594 | 0.00000573 | 0.000137 | 0.000335 | 0.00175 | 0.000214 |
| 2048 Feb | 0.00000334 | 1.85 | 0.00165 | 2.42 | 0.0244 | 0.000727 | 1.34 | 0.00375 | 0.00326 | 0.0000637 | 0.000161 | 0.0000868 | 0.0594 | 0.00000573 | 0.000137 | 0.000335 | 0.00175 | 0.000214 |
| 2048 Mar | 0.00000334 | 1.85 | 0.00165 | 2.42 | 0.0244 | 0.000727 | 1.34 | 0.00375 | 0.00326 | 0.0000637 | 0.000161 | 0.0000868 | 0.0594 | 0.00000573 | 0.000137 | 0.000335 | 0.00175 | 0.000214 |
| 2048 Apr | 0.00000334 | 1.85 | 0.00165 | 2.43 | 0.0245 | 0.000727 | 1.34 | 0.00375 | 0.00326 | 0.0000637 | 0.000161 | 0.0000869 | 0.0595 | 0.00000573 | 0.000137 | 0.000336 | 0.00175 | 0.000214 |
| 2048 May | 0.00000336 | 1.86 | 0.00166 | 2.44 | 0.0246 | 0.000731 | 1.34 | 0.00377 | 0.00328 | 0.0000641 | 0.000162 | 0.0000874 | 0.0598 | 0.00000576 | 0.000138 | 0.000338 | 0.00176 | 0.000215 |
| 2048 Jun | 0.00000341 | 1.9 | 0.00165 | 2.52 | 0.0249 | 0.000781 | 1.37 | 0.00424 | 0.00359 | 0.0000434 | 0.000166 | 0.0000867 | 0.0602 | 0.00000568 | 0.000147 | 0.000341 | 0.0017 | 0.00024 |
| 2048 Jul | 0.00000353 | 1.9 | 0.0017 | 2.52 | 0.0263 | 0.000842 | 1.35 | 0.0047 | 0.00368 | 0.0000376 | 0.000173 | 0.0000889 | 0.0604 | 0.00000576 | 0.000158 | 0.000352 | 0.00172 | 0.000268 |
| 2048 Aug | 0.00000355 | 1.85 | 0.00167 | 2.47 | 0.0256 | 0.000817 | 1.32 | 0.00458 | 0.00357 | 0.0000377 | 0.00017 | 0.0000873 | 0.0588 | 0.00000583 | 0.000154 | 0.000353 | 0.00174 | 0.00026 |
| 2048 Sep | 0.00000352 | 1.8 | 0.00162 | 2.4 | 0.0247 | 0.000786 | 1.29 | 0.00441 | 0.00346 | 0.0000374 | 0.000165 | 0.0000853 | 0.0571 | 0.00000583 | 0.000148 | 0.000351 | 0.00174 | 0.000249 |
| 2048 Oct | 0.00000343 | 1.72 | 0.00154 | 2.3 | 0.0229 | 0.000731 | 1.23 | 0.00412 | 0.00319 | 0.000157 | 0.000162 | 0.0000808 | 0.0542 | 0.00000572 | 0.000139 | 0.000341 | 0.00187 | 0.000231 |
| 2048 Nov | 0.00000348 | 1.78 | 0.0016 | 2.36 | 0.0243 | 0.000778 | 1.26 | 0.00435 | 0.00328 | 0.000203 | 0.000171 | 0.0000841 | 0.0565 | 0.00000575 | 0.000147 | 0.000347 | 0.00194 | 0.000246 |
| 2048 Dec | 0.0000035 | 1.79 | 0.00162 | 2.38 | 0.0247 | 0.000792 | 1.27 | 0.00442 | 0.00332 | 0.000199 | 0.000173 | 0.0000852 | 0.0572 | 0.00000576 | 0.00015 | 0.000348 | 0.00194 | 0.00025 |
| 2049 Jan | 0.00000351 | 1.8 | 0.00163 | 2.39 | 0.0248 | 0.000794 | 1.27 | 0.00443 | 0.00332 | 0.000198 | 0.000173 | 0.0000853 | 0.0573 | 0.00000576 | 0.00015 | 0.000349 | 0.00194 | 0.000251 |
| 2049 Feb | 0.00000351 | 1.8 | 0.00163 | 2.39 | 0.0248 | 0.000795 | 1.27 | 0.00444 | 0.00333 | 0.000198 | 0.000173 | 0.0000854 | 0.0573 | 0.00000577 | 0.00015 | 0.000349 | 0.00194 | 0.000251 |
| 2049 Mar | 0.00000351 | 1.8 | 0.00163 | 2.39 | 0.0248 | 0.000795 | 1.27 | 0.00444 | 0.00333 | 0.000198 | 0.000173 | 0.0000854 | 0.0573 | 0.00000577 | 0.00015 | 0.000349 | 0.00194 | 0.000251 |
| 2049 Apr | 0.00000351 | 1.8 | 0.00163 | 2.39 | 0.0248 | 0.000796 | 1.27 | 0.00444 | 0.00333 | 0.000198 | 0.000174 | 0.0000855 | 0.0574 | 0.00000577 | 0.00015 | 0.000349 | 0.00194 | 0.000252 |
| 2049 May | 0.00000353 | 1.81 | 0.00164 | 2.4 | 0.0249 | 0.000799 | 1.28 | 0.00446 | 0.00335 | 0.000199 | 0.000174 | 0.0000859 | 0.0576 | 0.00000581 | 0.000151 | 0.000351 | 0.00196 | 0.000253 |
| 2049 Jun | 0.00000351 | 1.84 | 0.00161 | 2.44 | 0.0243 | 0.000795 | 1.31 | 0.00448 | 0.00359 | 0.0000672 | 0.000167 | 0.0000839 | 0.0576 | 0.0000057 | 0.000152 | 0.000347 | 0.00174 | 0.00025 |
| 2049 Jul | 0.00000361 | 1.84 | 0.00167 | 2.44 | 0.026 | 0.000849 | 1.29 | 0.00476 | 0.00364 | 0.0000385 | 0.000173 | 0.000087 | 0.0583 | 0.00000576 | 0.000163 | 0.000355 | 0.00172 | 0.000268 |
| 2049 Aug | 0.00000359 | 1.76 | 0.00162 | 2.34 | 0.0248 | 0.000806 | 1.24 | 0.00454 | 0.00346 | 0.0000381 | 0.000167 | 0.000084 | 0.0558 | 0.0000058 | 0.000155 | 0.000354 | 0.00173 | 0.000254 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 0.0000035 | 1.65 | 0.00153 | 2.18 | 0.0229 | 0.000747 | 1.17 | 0.00415 | 0.00318 | 0.000037 | 0.000158 | 0.0000802 | 0.0521 | 0.00000571 | 0.000145 | 0.000345 | 0.0017 | 0.000234 |
| 2049 Oct | 0.00000352 | 1.68 | 0.00156 | 2.22 | 0.0236 | 0.000769 | 1.18 | 0.00426 | 0.00322 | 0.0000897 | 0.000164 | 0.000082 | 0.0534 | 0.00000572 | 0.000149 | 0.000347 | 0.00178 | 0.000241 |
| 2049 Nov | 0.00000356 | 1.72 | 0.0016 | 2.27 | 0.0244 | 0.000796 | 1.2 | 0.0044 | 0.00329 | 0.000103 | 0.000169 | 0.0000839 | 0.0548 | 0.00000575 | 0.000154 | 0.00035 | 0.00181 | 0.000249 |
| 2049 Dec | 0.00000356 | 1.72 | 0.0016 | 2.27 | 0.0245 | 0.000799 | 1.2 | 0.00442 | 0.0033 | 0.000103 | 0.000169 | 0.0000842 | 0.055 | 0.00000575 | 0.000155 | 0.000351 | 0.00181 | 0.00025 |
| 2050 Jan | 0.00000357 | 1.72 | 0.0016 | 2.27 | 0.0245 | 0.000799 | 1.2 | 0.00442 | 0.0033 | 0.000103 | 0.000169 | 0.0000842 | 0.055 | 0.00000575 | 0.000155 | 0.000351 | 0.00181 | 0.00025 |
| 2050 Feb | 0.00000357 | 1.72 | 0.0016 | 2.27 | 0.0245 | 0.000799 | 1.2 | 0.00442 | 0.0033 | 0.000103 | 0.000169 | 0.0000842 | 0.055 | 0.00000575 | 0.000155 | 0.000351 | 0.00181 | 0.00025 |
| 2050 Mar | 0.00000357 | 1.72 | 0.0016 | 2.27 | 0.0245 | 0.000799 | 1.2 | 0.00442 | 0.0033 | 0.000103 | 0.000169 | 0.0000842 | 0.055 | 0.00000575 | 0.000155 | 0.000351 | 0.00181 | 0.00025 |
| 2050 Apr | 0.00000357 | 1.72 | 0.00161 | 2.27 | 0.0245 | 0.0008 | 1.21 | 0.00442 | 0.0033 | 0.000103 | 0.000169 | 0.0000842 | 0.055 | 0.00000576 | 0.000155 | 0.000351 | 0.00181 | 0.00025 |
| 2050 May | 0.00000359 | 1.73 | 0.00161 | 2.28 | 0.0246 | 0.000803 | 1.21 | 0.00444 | 0.00332 | 0.000103 | 0.00017 | 0.0000846 | 0.0553 | 0.00000578 | 0.000155 | 0.000353 | 0.00182 | 0.000251 |
| 2050 Jun | 0.00000349 | 1.76 | 0.00155 | 2.34 | 0.0231 | 0.000755 | 1.26 | 0.00426 | 0.00346 | 0.000059 | 0.00016 | 0.0000802 | 0.0548 | 0.00000569 | 0.000147 | 0.000344 | 0.00173 | 0.000234 |
| 2050 Jul | 0.00000355 | 1.8 | 0.00162 | 2.39 | 0.0247 | 0.000798 | 1.28 | 0.00452 | 0.0036 | 0.0000384 | 0.000165 | 0.0000831 | 0.0569 | 0.00000575 | 0.000154 | 0.00035 | 0.00172 | 0.000249 |
| 2050 Aug | 0.00000357 | 1.77 | 0.00161 | 2.35 | 0.0244 | 0.000783 | 1.26 | 0.00445 | 0.00351 | 0.0000384 | 0.000164 | 0.0000823 | 0.0558 | 0.00000582 | 0.000151 | 0.000352 | 0.00174 | 0.000244 |
| 2050 Sep | 0.00000349 | 1.66 | 0.00152 | 2.21 | 0.0226 | 0.000726 | 1.19 | 0.0041 | 0.00326 | 0.0000373 | 0.000155 | 0.0000783 | 0.0524 | 0.00000575 | 0.000141 | 0.000344 | 0.00172 | 0.000225 |
| 2050 Oct | 0.00000351 | 1.68 | 0.00155 | 2.23 | 0.0231 | 0.000741 | 1.2 | 0.00416 | 0.00329 | 0.0000383 | 0.000157 | 0.0000797 | 0.0531 | 0.00000578 | 0.000144 | 0.000347 | 0.00173 | 0.000229 |
| 2050 Nov | 0.00000352 | 1.68 | 0.00155 | 2.23 | 0.0231 | 0.000742 | 1.2 | 0.00417 | 0.00329 | 0.0000391 | 0.000158 | 0.0000799 | 0.0532 | 0.00000579 | 0.000144 | 0.000347 | 0.00173 | 0.00023 |
| 2050 Dec | 0.00000352 | 1.68 | 0.00155 | 2.23 | 0.0231 | 0.000742 | 1.2 | 0.00417 | 0.00329 | 0.0000391 | 0.000158 | 0.0000798 | 0.0532 | 0.00000579 | 0.000144 | 0.000347 | 0.00173 | 0.00023 |
| 2051 Jan | 0.00000352 | 1.68 | 0.00155 | 2.23 | 0.0231 | 0.000741 | 1.2 | 0.00416 | 0.00329 | 0.0000391 | 0.000158 | 0.0000798 | 0.0532 | 0.00000579 | 0.000144 | 0.000347 | 0.00173 | 0.00023 |
| 2051 Feb | 0.00000352 | 1.68 | 0.00155 | 2.23 | 0.0231 | 0.000741 | 1.2 | 0.00416 | 0.00329 | 0.0000391 | 0.000158 | 0.0000798 | 0.0532 | 0.00000579 | 0.000144 | 0.000347 | 0.00173 | 0.00023 |
| 2051 Mar | 0.00000352 | 1.68 | 0.00155 | 2.23 | 0.0231 | 0.000741 | 1.2 | 0.00416 | 0.00329 | 0.0000391 | 0.000158 | 0.0000798 | 0.0532 | 0.00000579 | 0.000144 | 0.000347 | 0.00173 | 0.00023 |
| 2051 Apr | 0.00000352 | 1.68 | 0.00155 | 2.23 | 0.0231 | 0.000742 | 1.2 | 0.00417 | 0.00329 | 0.0000391 | 0.000158 | 0.0000799 | 0.0532 | 0.00000579 | 0.000144 | 0.000347 | 0.00173 | 0.00023 |
| 2051 May | 0.00000351 | 1.67 | 0.00153 | 2.22 | 0.0227 | 0.000727 | 1.19 | 0.0041 | 0.00325 | 0.0000389 | 0.000156 | 0.0000789 | 0.0525 | 0.0000058 | 0.000142 | 0.000347 | 0.00173 | 0.000225 |
| 2051 Jun | 0.00000352 | 1.79 | 0.00158 | 2.37 | 0.0236 | 0.000765 | 1.28 | 0.00428 | 0.00355 | 0.0000372 | 0.000161 | 0.0000803 | 0.0559 | 0.00000569 | 0.000151 | 0.000345 | 0.0017 | 0.000231 |
| 2051 Jul | 0.00000364 | 1.85 | 0.00165 | 2.43 | 0.025 | 0.00081 | 1.3 | 0.00452 | 0.00371 | 0.0000382 | 0.000168 | 0.0000837 | 0.058 | 0.00000582 | 0.00016 | 0.000355 | 0.00174 | 0.000245 |
| 2051 Aug | 0.00000354 | 1.69 | 0.00153 | 2.23 | 0.0226 | 0.000725 | 1.2 | 0.00405 | 0.00334 | 0.0000369 | 0.000156 | 0.0000775 | 0.0529 | 0.00000577 | 0.000145 | 0.000346 | 0.00172 | 0.000217 |
| 2051 Sep | 0.00000351 | 1.64 | 0.0015 | 2.15 | 0.022 | 0.000705 | 1.16 | 0.00389 | 0.00319 | 0.0000366 | 0.000153 | 0.0000765 | 0.0513 | 0.00000575 | 0.000141 | 0.000343 | 0.00172 | 0.00021 |
| 2051 Oct | 0.00000349 | 1.64 | 0.0015 | 2.15 | 0.0219 | 0.000702 | 1.16 | 0.00386 | 0.00313 | 0.000113 | 0.000156 | 0.0000767 | 0.0515 | 0.00000571 | 0.000141 | 0.000341 | 0.00181 | 0.000208 |
| 2051 Nov | 0.00000355 | 1.7 | 0.00156 | 2.22 | 0.0233 | 0.000746 | 1.19 | 0.00409 | 0.00324 | 0.000149 | 0.000164 | 0.0000797 | 0.0539 | 0.00000574 | 0.000149 | 0.000346 | 0.00187 | 0.000221 |
| 2051 Dec | 0.00000356 | 1.71 | 0.00158 | 2.24 | 0.0235 | 0.000754 | 1.2 | 0.00413 | 0.00327 | 0.000147 | 0.000165 | 0.0000803 | 0.0543 | 0.00000575 | 0.00015 | 0.000347 | 0.00187 | 0.000224 |
| 2052 Jan | 0.00000356 | 1.71 | 0.00158 | 2.24 | 0.0236 | 0.000755 | 1.2 | 0.00413 | 0.00327 | 0.000147 | 0.000165 | 0.0000804 | 0.0543 | 0.00000575 | 0.000151 | 0.000347 | 0.00187 | 0.000224 |
| 2052 Feb | 0.00000356 | 1.71 | 0.00158 | 2.24 | 0.0236 | 0.000755 | 1.2 | 0.00413 | 0.00327 | 0.000147 | 0.000165 | 0.0000804 | 0.0543 | 0.00000575 | 0.000151 | 0.000347 | 0.00187 | 0.000224 |
| 2052 Mar | 0.00000356 | 1.71 | 0.00158 | 2.24 | 0.0236 | 0.000755 | 1.2 | 0.00414 | 0.00327 | 0.000147 | 0.000165 | 0.0000804 | 0.0544 | 0.00000576 | 0.000151 | 0.000347 | 0.00187 | 0.000224 |
| 2052 Apr | 0.00000356 | 1.71 | 0.00158 | 2.24 | 0.0236 | 0.000755 | 1.2 | 0.00414 | 0.00327 | 0.000147 | 0.000166 | 0.0000805 | 0.0544 | 0.00000576 | 0.000151 | 0.000347 | 0.00187 | 0.000224 |
| 2052 May | 0.00000354 | 1.69 | 0.00155 | 2.22 | 0.023 | 0.000736 | 1.19 | 0.00405 | 0.00322 | 0.000139 | 0.000162 | 0.0000791 | 0.0535 | 0.00000576 | 0.000147 | 0.000346 | 0.00186 | 0.000219 |
| 2052 Jun | 0.00000347 | 1.76 | 0.00153 | 2.32 | 0.0224 | 0.000714 | 1.26 | 0.00401 | 0.00347 | 0.0000487 | 0.000154 | 0.0000768 | 0.0545 | 0.00000569 | 0.000142 | 0.00034 | 0.00171 | 0.00021 |
| 2052 Jul | 0.00000358 | 1.83 | 0.00162 | 2.41 | 0.0239 | 0.000758 | 1.31 | 0.00425 | 0.00367 | 0.00004 | 0.000161 | 0.0000805 | 0.0573 | 0.00000583 | 0.00015 | 0.00035 | 0.00174 | 0.000224 |
| 2052 Aug | 0.00000353 | 1.75 | 0.00155 | 2.31 | 0.0225 | 0.00071 | 1.26 | 0.00399 | 0.00347 | 0.000039 | 0.000154 | 0.0000771 | 0.0544 | 0.00000583 | 0.000142 | 0.000346 | 0.00174 | 0.000209 |
| 2052 Sep | 0.00000348 | 1.67 | 0.0015 | 2.2 | 0.0215 | 0.000678 | 1.21 | 0.00378 | 0.00329 | 0.0000379 | 0.000149 | 0.0000749 | 0.0522 | 0.00000579 | 0.000136 | 0.000342 | 0.00173 | 0.000198 |
| 2052 Oct | 0.00000349 | 1.67 | 0.00151 | 2.2 | 0.0217 | 0.000682 | 1.2 | 0.00379 | 0.00327 | 0.0000495 | 0.00015 | 0.0000756 | 0.0523 | 0.00000579 | 0.000137 | 0.000342 | 0.00175 | 0.000199 |
| 2052 Nov | 0.0000035 | 1.68 | 0.00152 | 2.21 | 0.0219 | 0.000689 | 1.21 | 0.00382 | 0.00328 | 0.0000518 | 0.000151 | 0.0000761 | 0.0526 | 0.0000058 | 0.000138 | 0.000343 | 0.00175 | 0.000201 |
| 2052 Dec | 0.0000035 | 1.68 | 0.00152 | 2.21 | 0.0219 | 0.000689 | 1.21 | 0.00382 | 0.00328 | 0.0000517 | 0.000151 | 0.0000761 | 0.0526 | 0.0000058 | 0.000138 | 0.000343 | 0.00175 | 0.000201 |
| 2053 Jan | 0.0000035 | 1.68 | 0.00152 | 2.21 | 0.0219 | 0.000689 | 1.21 | 0.00382 | 0.00329 | 0.0000517 | 0.000151 | 0.0000761 | 0.0526 | 0.0000058 | 0.000138 | 0.000343 | 0.00175 | 0.000201 |
| 2053 Feb | 0.0000035 | 1.68 | 0.00152 | 2.21 | 0.0219 | 0.000689 | 1.21 | 0.00382 | 0.00329 | 0.0000517 | 0.000152 | 0.0000761 | 0.0526 | 0.0000058 | 0.000138 | 0.000343 | 0.00175 | 0.000201 |
| 2053 Mar | 0.0000035 | 1.68 | 0.00152 | 2.21 | 0.0219 | 0.000689 | 1.21 | 0.00382 | 0.00329 | 0.0000518 | 0.000152 | 0.0000761 | 0.0527 | 0.0000058 | 0.000138 | 0.000343 | 0.00175 | 0.000201 |
| 2053 Apr | 0.00000351 | 1.68 | 0.00152 | 2.21 | 0.0219 | 0.00069 | 1.21 | 0.00382 | 0.00329 | 0.0000518 | 0.000152 | 0.0000762 | 0.0527 | 0.00000581 | 0.000138 | 0.000343 | 0.00176 | 0.000202 |
| 2053 May | 0.00000344 | 1.62 | 0.00145 | 2.15 | 0.0204 | 0.000643 | 1.18 | 0.00361 | 0.0031 | 0.0000484 | 0.000145 | 0.0000727 | 0.0501 | 0.00000576 | 0.00013 | 0.000337 | 0.00174 | 0.000187 |
| 2053 Jun | 0.00000355 | 1.81 | 0.00159 | 2.36 | 0.0234 | 0.000742 | 1.29 | 0.00406 | 0.00358 | 0.0000379 | 0.000159 | 0.000079 | 0.0564 | 0.00000573 | 0.000151 | 0.000344 | 0.00171 | 0.00021 |
| 2053 Jul | 0.00000365 | 1.88 | 0.00167 | 2.45 | 0.0249 | 0.000785 | 1.33 | 0.00431 | 0.00378 | 0.0000386 | 0.000166 | 0.0000826 | 0.0591 | 0.00000587 | 0.000158 | 0.000355 | 0.00176 | 0.000225 |
| 2053 Aug | 0.0000036 | 1.78 | 0.00158 | 2.33 | 0.0231 | 0.000723 | 1.27 | 0.00399 | 0.00354 | 0.0000379 | 0.000157 | 0.0000781 | 0.0555 | 0.00000588 | 0.000147 | 0.00035 | 0.00176 | 0.000206 |
| 2053 Sep | 0.00000355 | 1.71 | 0.00152 | 2.24 | 0.0218 | 0.000683 | 1.23 | 0.00377 | 0.00337 | 0.0000373 | 0.000151 | 0.0000754 | 0.0531 | 0.00000586 | 0.000139 | 0.000346 | 0.00175 | 0.000194 |
| 2053 Oct | 0.00000352 | 1.68 | 0.0015 | 2.2 | 0.0214 | 0.000669 | 1.21 | 0.00369 | 0.00329 | 0.000053 | 0.00015 | 0.0000746 | 0.0523 | 0.00000584 | 0.000137 | 0.000343 | 0.00177 | 0.00019 |
| 2053 Nov | 0.00000352 | 1.68 | 0.0015 | 2.2 | 0.0214 | 0.000668 | 1.21 | 0.00368 | 0.00327 | 0.0000729 | 0.00015 | 0.0000745 | 0.0523 | 0.00000584 | 0.000137 | 0.000343 | 0.00179 | 0.000189 |
| 2053 Dec | 0.00000352 | 1.68 | 0.00151 | 2.21 | 0.0215 | 0.000671 | 1.21 | 0.0037 | 0.00328 | 0.0000729 | 0.000151 | 0.0000748 | 0.0524 | 0.00000584 | 0.000137 | 0.000344 | 0.0018 | 0.00019 |
| 2054 Jan | 0.00000353 | 1.68 | 0.00151 | 2.21 | 0.0215 | 0.000672 | 1.21 | 0.0037 | 0.00328 | 0.0000729 | 0.000151 | 0.0000748 | 0.0525 | 0.00000584 | 0.000137 | 0.000344 | 0.0018 | 0.00019 |
| 2054 Feb | 0.00000353 | 1.68 | 0.00151 | 2.21 | 0.0215 | 0.000672 | 1.21 | 0.0037 | 0.00328 | 0.0000729 | 0.000151 | 0.0000748 | 0.0525 | 0.00000584 | 0.000137 | 0.000344 | 0.0018 | 0.00019 |
| 2054 Mar | 0.00000353 | 1.68 | 0.00151 | 2.21 | 0.0215 | 0.000672 | 1.21 | 0.0037 | 0.00328 | 0.0000729 | 0.000151 | 0.0000749 | 0.0525 | 0.00000584 | 0.000137 | 0.000344 | 0.0018 | 0.00019 |
| 2054 Apr | 0.00000353 | 1.68 | 0.00151 | 2.21 | 0.0216 | 0.000673 | 1.21 | 0.00371 | 0.00329 | 0.000073 | 0.000151 | 0.000075 | 0.0525 | 0.00000585 | 0.000138 | 0.000344 | 0.0018 | 0.000191 |
| 2054 May | 0.00000352 | 1.67 | 0.00149 | 2.19 | 0.0211 | 0.000659 | 1.21 | 0.00364 | 0.00324 | 0.0000717 | 0.000149 | 0.000074 | 0.0518 | 0.00000585 | 0.000135 | 0.000343 | 0.0018 | 0.000186 |
| 2054 Jun | 0.00000348 | 1.79 | 0.00157 | 2.34 | 0.0228 | 0.000707 | 1.29 | 0.00388 | 0.00353 | 0.0000391 | 0.000154 | 0.0000768 | 0.0558 | 0.00000571 | 0.000144 | 0.000339 | 0.00171 | 0.000197 |
| 2054 Jul | 0.00000347 | 1.74 | 0.00159 | 2.27 | 0.0235 | 0.000713 | 1.24 | 0.00393 | 0.00346 | 0.0000372 | 0.000153 | 0.0000769 | 0.0551 | 0.0000057 | 0.000144 | 0.000339 | 0.0017 | 0.0002 |
| 2054 Aug | 0.00000341 | 1.62 | 0.00152 | 2.1 | 0.0222 | 0.000675 | 1.15 | 0.00367 | 0.00318 | 0.0000363 | 0.000147 | 0.0000737 | 0.0517 | 0.00000564 | 0.000137 | 0.000333 | 0.00169 | 0.000188 |
| 2054 Sep | 0.00000346 | 1.65 | 0.00157 | 2.12 | 0.0231 | 0.000705 | 1.16 | 0.00377 | 0.00323 | 0.0000368 | 0.000152 | 0.0000763 | 0.0531 | 0.00000567 | 0.000143 | 0.000337 | 0.00169 | 0.000197 |
| 2054 Oct | 0.00000341 | 1.65 | 0.00153 | 2.13 | 0.0224 | 0.000684 | 1.16 | 0.00371 | 0.00316 | 0.00017 | 0.000154 | 0.0000746 | 0.0528 | 0.00000561 | 0.000139 | 0.000332 | 0.00186 | 0.000191 |
| 2054 Nov | 0.00000346 | 1.72 | 0.0016 | 2.22 | 0.0237 | 0.000723 | 1.2 | 0.00393 | 0.0033 | 0.000212 | 0.000162 | 0.0000772 | 0.0553 | 0.00000564 | 0.000146 | 0.000337 | 0.00193 | 0.000203 |
| 2054 Dec | 0.00000348 | 1.73 | 0.00162 | 2.23 | 0.024 | 0.000733 | 1.21 | 0.00398 | 0.00333 | 0.000208 | 0.000163 | 0.0000779 | 0.0558 | 0.00000565 | 0.000148 | 0.000338 | 0.00193 | 0.000206 |
| 2055 Jan | 0.00000348 | 1.74 | 0.00162 | 2.24 | 0.0241 | 0.000735 | 1.21 | 0.00399 | 0.00334 | 0.000207 | 0.000163 | 0.000078 | 0.0559 | 0.00000566 | 0.000149 | 0.000339 | 0.00193 | 0.000206 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 0.00000348 | 1.74 | 0.00162 | 2.24 | 0.0241 | 0.000735 | 1.21 | 0.00399 | 0.00334 | 0.000207 | 0.000163 | 0.000078 | 0.0559 | 0.00000566 | 0.000149 | 0.000339 | 0.00193 | 0.000206 |
| 2055 Mar | 0.00000348 | 1.74 | 0.00162 | 2.24 | 0.0241 | 0.000735 | 1.21 | 0.00399 | 0.00334 | 0.000207 | 0.000163 | 0.000078 | 0.0559 | 0.00000566 | 0.000149 | 0.000339 | 0.00193 | 0.000206 |
| 2055 Apr | 0.00000348 | 1.74 | 0.00162 | 2.24 | 0.0241 | 0.000735 | 1.21 | 0.00399 | 0.00334 | 0.000207 | 0.000163 | 0.0000781 | 0.0559 | 0.00000566 | 0.000149 | 0.000339 | 0.00193 | 0.000206 |
| 2055 May | 0.0000035 | 1.75 | 0.00163 | 2.25 | 0.0242 | 0.000739 | 1.22 | 0.00401 | 0.00336 | 0.000208 | 0.000164 | 0.0000785 | 0.0562 | 0.00000569 | 0.000149 | 0.000341 | 0.00194 | 0.000207 |
| 2055 Jun | 0.0000034 | 1.74 | 0.00154 | 2.27 | 0.0222 | 0.000677 | 1.25 | 0.00374 | 0.0035 | 0.0000749 | 0.000149 | 0.0000734 | 0.0546 | 0.0000056 | 0.000138 | 0.000331 | 0.00173 | 0.000187 |
| 2055 Jul | 0.00000348 | 1.76 | 0.00158 | 2.29 | 0.0231 | 0.0007 | 1.26 | 0.00386 | 0.00357 | 0.0000383 | 0.000151 | 0.0000752 | 0.0555 | 0.00000568 | 0.000144 | 0.000337 | 0.0017 | 0.000192 |
| 2055 Aug | 0.00000341 | 1.63 | 0.0015 | 2.13 | 0.0216 | 0.000646 | 1.17 | 0.00357 | 0.00326 | 0.0000371 | 0.000143 | 0.0000713 | 0.0515 | 0.00000566 | 0.000134 | 0.000332 | 0.0017 | 0.000176 |
| 2055 Sep | 0.00000338 | 1.58 | 0.00148 | 2.04 | 0.0211 | 0.000634 | 1.13 | 0.00341 | 0.0031 | 0.0000365 | 0.000141 | 0.0000709 | 0.0501 | 0.00000561 | 0.000132 | 0.000328 | 0.00168 | 0.000171 |
| 2055 Oct | 0.00000343 | 1.63 | 0.00154 | 2.09 | 0.0223 | 0.000671 | 1.15 | 0.00356 | 0.00321 | 0.0000402 | 0.000147 | 0.0000743 | 0.0522 | 0.00000564 | 0.000139 | 0.000333 | 0.00169 | 0.000181 |
| 2055 Nov | 0.00000345 | 1.65 | 0.00156 | 2.11 | 0.0228 | 0.000684 | 1.16 | 0.00362 | 0.00326 | 0.0000422 | 0.000149 | 0.0000752 | 0.0529 | 0.00000565 | 0.000141 | 0.000334 | 0.0017 | 0.000185 |
| 2055 Dec | 0.00000346 | 1.66 | 0.00157 | 2.12 | 0.023 | 0.000691 | 1.17 | 0.00365 | 0.00329 | 0.0000422 | 0.00015 | 0.0000757 | 0.0532 | 0.00000566 | 0.000143 | 0.000335 | 0.0017 | 0.000186 |
| 2056 Jan | 0.00000346 | 1.66 | 0.00158 | 2.13 | 0.023 | 0.000693 | 1.17 | 0.00366 | 0.0033 | 0.0000422 | 0.00015 | 0.0000758 | 0.0533 | 0.00000566 | 0.000143 | 0.000335 | 0.0017 | 0.000187 |
| 2056 Feb | 0.00000346 | 1.66 | 0.00158 | 2.13 | 0.0231 | 0.000694 | 1.17 | 0.00367 | 0.0033 | 0.0000422 | 0.00015 | 0.0000758 | 0.0534 | 0.00000566 | 0.000143 | 0.000335 | 0.0017 | 0.000187 |
| 2056 Mar | 0.00000346 | 1.66 | 0.00158 | 2.13 | 0.0231 | 0.000694 | 1.17 | 0.00367 | 0.0033 | 0.0000422 | 0.000151 | 0.0000759 | 0.0534 | 0.00000566 | 0.000143 | 0.000336 | 0.0017 | 0.000187 |
| 2056 Apr | 0.00000347 | 1.66 | 0.00158 | 2.13 | 0.0231 | 0.000694 | 1.17 | 0.00367 | 0.0033 | 0.0000423 | 0.000151 | 0.0000759 | 0.0534 | 0.00000567 | 0.000143 | 0.000336 | 0.0017 | 0.000187 |
| 2056 May | 0.00000343 | 1.63 | 0.00153 | 2.1 | 0.0219 | 0.000661 | 1.16 | 0.00353 | 0.00319 | 0.0000408 | 0.000146 | 0.0000733 | 0.0517 | 0.00000565 | 0.000138 | 0.000333 | 0.0017 | 0.000177 |
| 2056 Jun | 0.00000344 | 1.75 | 0.00158 | 2.26 | 0.023 | 0.000691 | 1.25 | 0.00374 | 0.0035 | 0.000037 | 0.000149 | 0.0000742 | 0.0553 | 0.0000056 | 0.000144 | 0.000332 | 0.00168 | 0.000183 |
| 2056 Jul | 0.00000347 | 1.77 | 0.00158 | 2.29 | 0.0228 | 0.000684 | 1.27 | 0.00373 | 0.00358 | 0.0000374 | 0.000149 | 0.000074 | 0.0557 | 0.00000569 | 0.000142 | 0.000336 | 0.0017 | 0.000182 |
| 2056 Aug | 0.00000348 | 1.73 | 0.00155 | 2.25 | 0.0221 | 0.000659 | 1.25 | 0.00362 | 0.00349 | 0.0000374 | 0.000146 | 0.0000726 | 0.0543 | 0.00000576 | 0.000137 | 0.000337 | 0.00172 | 0.000175 |
| 2056 Sep | 0.00000344 | 1.67 | 0.00149 | 2.17 | 0.0209 | 0.000622 | 1.21 | 0.00342 | 0.00333 | 0.0000368 | 0.000141 | 0.0000704 | 0.052 | 0.00000574 | 0.00013 | 0.000334 | 0.00172 | 0.000164 |
| 2056 Oct | 0.00000334 | 1.58 | 0.00142 | 2.07 | 0.0195 | 0.000578 | 1.15 | 0.00317 | 0.00306 | 0.000138 | 0.000139 | 0.0000673 | 0.0494 | 0.00000563 | 0.000122 | 0.000324 | 0.00183 | 0.000151 |
| 2056 Nov | 0.00000339 | 1.63 | 0.00148 | 2.12 | 0.0207 | 0.000614 | 1.17 | 0.00333 | 0.00315 | 0.000157 | 0.000145 | 0.0000699 | 0.0515 | 0.00000566 | 0.000129 | 0.000329 | 0.00186 | 0.00016 |
| 2056 Dec | 0.0000034 | 1.64 | 0.00149 | 2.13 | 0.0209 | 0.00062 | 1.18 | 0.00336 | 0.00317 | 0.000155 | 0.000146 | 0.0000703 | 0.0518 | 0.00000566 | 0.000131 | 0.000329 | 0.00186 | 0.000162 |
| 2057 Jan | 0.0000034 | 1.64 | 0.00149 | 2.13 | 0.0209 | 0.000621 | 1.18 | 0.00336 | 0.00317 | 0.000155 | 0.000146 | 0.0000704 | 0.0518 | 0.00000567 | 0.000131 | 0.000329 | 0.00186 | 0.000162 |
| 2057 Feb | 0.0000034 | 1.64 | 0.00149 | 2.13 | 0.0209 | 0.000621 | 1.18 | 0.00336 | 0.00317 | 0.000155 | 0.000146 | 0.0000704 | 0.0518 | 0.00000567 | 0.000131 | 0.000329 | 0.00186 | 0.000162 |
| 2057 Mar | 0.0000034 | 1.64 | 0.00149 | 2.13 | 0.0209 | 0.000621 | 1.18 | 0.00336 | 0.00317 | 0.000155 | 0.000146 | 0.0000704 | 0.0518 | 0.00000567 | 0.000131 | 0.00033 | 0.00186 | 0.000162 |
| 2057 Apr | 0.0000034 | 1.64 | 0.00149 | 2.13 | 0.021 | 0.000621 | 1.18 | 0.00336 | 0.00318 | 0.000155 | 0.000146 | 0.0000705 | 0.0518 | 0.00000567 | 0.000131 | 0.00033 | 0.00186 | 0.000162 |
| 2057 May | 0.00000335 | 1.59 | 0.00143 | 2.08 | 0.0196 | 0.000582 | 1.16 | 0.00319 | 0.00301 | 0.000125 | 0.000139 | 0.0000675 | 0.0494 | 0.00000564 | 0.000124 | 0.000325 | 0.00181 | 0.000151 |
| 2057 Jun | 0.00000343 | 1.75 | 0.00157 | 2.25 | 0.0225 | 0.000664 | 1.26 | 0.00357 | 0.00344 | 0.0000404 | 0.000147 | 0.000073 | 0.0549 | 0.00000564 | 0.000139 | 0.000331 | 0.00169 | 0.00017 |
| 2057 Jul | 0.00000344 | 1.73 | 0.00156 | 2.23 | 0.0222 | 0.000651 | 1.25 | 0.00352 | 0.00344 | 0.0000387 | 0.000145 | 0.0000723 | 0.0544 | 0.00000571 | 0.000137 | 0.000333 | 0.00171 | 0.000166 |
| 2057 Aug | 0.00000343 | 1.66 | 0.0015 | 2.15 | 0.0211 | 0.000613 | 1.21 | 0.00335 | 0.00328 | 0.0000381 | 0.00014 | 0.0000699 | 0.052 | 0.00000576 | 0.00013 | 0.000333 | 0.00173 | 0.000156 |
| 2057 Sep | 0.00000334 | 1.55 | 0.00142 | 2.02 | 0.0195 | 0.000566 | 1.14 | 0.00304 | 0.00303 | 0.0000366 | 0.000133 | 0.0000672 | 0.0488 | 0.00000566 | 0.000121 | 0.000324 | 0.0017 | 0.000143 |
| 2057 Oct | 0.00000338 | 1.61 | 0.00149 | 2.07 | 0.0209 | 0.000607 | 1.15 | 0.00319 | 0.00311 | 0.0000795 | 0.00014 | 0.0000707 | 0.0512 | 0.00000566 | 0.000129 | 0.000327 | 0.00175 | 0.000152 |
| 2057 Nov | 0.00000341 | 1.65 | 0.00154 | 2.12 | 0.0218 | 0.000634 | 1.18 | 0.00332 | 0.0032 | 0.000088 | 0.000145 | 0.0000726 | 0.0528 | 0.00000568 | 0.000134 | 0.00033 | 0.00177 | 0.000159 |
| 2057 Dec | 0.00000342 | 1.65 | 0.00154 | 2.12 | 0.0219 | 0.000637 | 1.18 | 0.00333 | 0.00321 | 0.0000878 | 0.000145 | 0.0000728 | 0.053 | 0.00000569 | 0.000135 | 0.000331 | 0.00178 | 0.00016 |
| 2058 Jan | 0.00000342 | 1.66 | 0.00154 | 2.12 | 0.0219 | 0.000637 | 1.18 | 0.00333 | 0.00321 | 0.0000878 | 0.000145 | 0.0000728 | 0.053 | 0.00000569 | 0.000135 | 0.000331 | 0.00178 | 0.00016 |
| 2058 Feb | 0.00000342 | 1.66 | 0.00155 | 2.12 | 0.0219 | 0.000637 | 1.18 | 0.00333 | 0.00321 | 0.0000877 | 0.000145 | 0.0000728 | 0.053 | 0.00000569 | 0.000135 | 0.000331 | 0.00178 | 0.00016 |
| 2058 Mar | 0.00000342 | 1.66 | 0.00155 | 2.12 | 0.0219 | 0.000637 | 1.18 | 0.00333 | 0.00321 | 0.0000877 | 0.000145 | 0.0000728 | 0.053 | 0.00000569 | 0.000135 | 0.000331 | 0.00178 | 0.00016 |
| 2058 Apr | 0.00000342 | 1.66 | 0.00155 | 2.12 | 0.022 | 0.000638 | 1.18 | 0.00333 | 0.00322 | 0.0000878 | 0.000146 | 0.0000729 | 0.0531 | 0.00000569 | 0.000135 | 0.000331 | 0.00178 | 0.00016 |
| 2058 May | 0.00000339 | 1.63 | 0.0015 | 2.1 | 0.021 | 0.000611 | 1.18 | 0.00323 | 0.00312 | 0.0000783 | 0.000141 | 0.0000707 | 0.0516 | 0.00000568 | 0.00013 | 0.000328 | 0.00176 | 0.000153 |
| 2058 Jun | 0.00000348 | 1.79 | 0.0016 | 2.27 | 0.023 | 0.000678 | 1.27 | 0.00356 | 0.00356 | 0.000038 | 0.00015 | 0.0000737 | 0.0562 | 0.00000565 | 0.000146 | 0.000333 | 0.00169 | 0.000166 |
| 2058 Jul | 0.00000362 | 1.85 | 0.00166 | 2.34 | 0.024 | 0.000711 | 1.31 | 0.0037 | 0.00372 | 0.0000387 | 0.000156 | 0.0000766 | 0.0582 | 0.00000582 | 0.000154 | 0.000345 | 0.00174 | 0.000173 |
| 2058 Aug | 0.00000362 | 1.8 | 0.00161 | 2.29 | 0.023 | 0.00068 | 1.28 | 0.00356 | 0.0036 | 0.0000385 | 0.000152 | 0.0000746 | 0.0563 | 0.00000587 | 0.000148 | 0.000345 | 0.00176 | 0.000165 |
| 2058 Sep | 0.00000347 | 1.6 | 0.00145 | 2.05 | 0.0199 | 0.000591 | 1.15 | 0.00303 | 0.00313 | 0.0000364 | 0.000139 | 0.000069 | 0.0499 | 0.00000571 | 0.000132 | 0.000331 | 0.00171 | 0.00014 |
| 2058 Oct | 0.00000354 | 1.64 | 0.00151 | 2.07 | 0.0212 | 0.000632 | 1.16 | 0.00315 | 0.00315 | 0.0000809 | 0.000148 | 0.0000723 | 0.0516 | 0.00000573 | 0.000142 | 0.000335 | 0.00178 | 0.000147 |
| 2058 Nov | 0.0000036 | 1.69 | 0.00157 | 2.12 | 0.0223 | 0.000665 | 1.18 | 0.0033 | 0.00325 | 0.000103 | 0.000154 | 0.0000745 | 0.0535 | 0.00000576 | 0.000149 | 0.00034 | 0.00182 | 0.000155 |
| 2058 Dec | 0.00000361 | 1.7 | 0.00158 | 2.13 | 0.0224 | 0.00067 | 1.19 | 0.00332 | 0.00326 | 0.000103 | 0.000155 | 0.0000749 | 0.0538 | 0.00000577 | 0.00015 | 0.00034 | 0.00182 | 0.000156 |
| 2059 Jan | 0.00000361 | 1.7 | 0.00158 | 2.13 | 0.0225 | 0.000671 | 1.19 | 0.00333 | 0.00327 | 0.000103 | 0.000155 | 0.0000749 | 0.0539 | 0.00000577 | 0.00015 | 0.00034 | 0.00182 | 0.000156 |
| 2059 Feb | 0.00000361 | 1.7 | 0.00158 | 2.13 | 0.0225 | 0.000671 | 1.19 | 0.00333 | 0.00327 | 0.000103 | 0.000155 | 0.0000749 | 0.0539 | 0.00000577 | 0.00015 | 0.000341 | 0.00182 | 0.000156 |
| 2059 Mar | 0.00000361 | 1.7 | 0.00158 | 2.13 | 0.0225 | 0.000671 | 1.19 | 0.00333 | 0.00327 | 0.000103 | 0.000155 | 0.0000749 | 0.0539 | 0.00000577 | 0.00015 | 0.000341 | 0.00182 | 0.000156 |
| 2059 Apr | 0.00000361 | 1.7 | 0.00158 | 2.14 | 0.0225 | 0.000672 | 1.19 | 0.00333 | 0.00327 | 0.000103 | 0.000155 | 0.000075 | 0.0539 | 0.00000578 | 0.000151 | 0.000341 | 0.00182 | 0.000156 |
| 2059 May | 0.00000356 | 1.66 | 0.00152 | 2.09 | 0.0212 | 0.000635 | 1.17 | 0.00319 | 0.00314 | 0.0000922 | 0.000149 | 0.0000721 | 0.0519 | 0.00000575 | 0.000143 | 0.000337 | 0.0018 | 0.000147 |
| 2059 Jun | 0.00000355 | 1.75 | 0.00157 | 2.22 | 0.0221 | 0.000656 | 1.25 | 0.00337 | 0.00339 | 0.0000409 | 0.000149 | 0.0000724 | 0.0545 | 0.00000572 | 0.000146 | 0.000336 | 0.00172 | 0.000152 |
| 2059 Jul | 0.00000358 | 1.77 | 0.00157 | 2.25 | 0.022 | 0.000649 | 1.27 | 0.00336 | 0.00347 | 0.0000398 | 0.000149 | 0.0000723 | 0.0548 | 0.00000581 | 0.000144 | 0.00034 | 0.00175 | 0.00015 |
| 2059 Aug | 0.00000356 | 1.71 | 0.00152 | 2.19 | 0.0209 | 0.000615 | 1.24 | 0.00322 | 0.00334 | 0.0000393 | 0.000144 | 0.0000701 | 0.0528 | 0.00000585 | 0.000138 | 0.000339 | 0.00176 | 0.000142 |
| 2059 Sep | 0.00000344 | 1.59 | 0.00142 | 2.04 | 0.0191 | 0.000559 | 1.15 | 0.0029 | 0.00307 | 0.0000372 | 0.000135 | 0.0000666 | 0.049 | 0.00000574 | 0.000126 | 0.000329 | 0.00172 | 0.000128 |
| 2059 Oct | 0.00000348 | 1.65 | 0.00151 | 2.09 | 0.021 | 0.00061 | 1.17 | 0.00308 | 0.00312 | 0.000155 | 0.000147 | 0.0000705 | 0.0521 | 0.0000057 | 0.000136 | 0.000331 | 0.00188 | 0.000139 |
| 2059 Nov | 0.00000354 | 1.72 | 0.00158 | 2.16 | 0.0224 | 0.000651 | 1.21 | 0.00327 | 0.00326 | 0.000165 | 0.000154 | 0.0000735 | 0.0546 | 0.00000575 | 0.000145 | 0.000336 | 0.0019 | 0.000149 |
| 2059 Dec | 0.00000355 | 1.73 | 0.00159 | 2.17 | 0.0226 | 0.000656 | 1.21 | 0.00329 | 0.00328 | 0.000164 | 0.000155 | 0.0000738 | 0.0549 | 0.00000576 | 0.000146 | 0.000337 | 0.0019 | 0.00015 |
| 2060 Jan | 0.00000355 | 1.73 | 0.00159 | 2.17 | 0.0226 | 0.000657 | 1.21 | 0.00329 | 0.00328 | 0.000163 | 0.000155 | 0.0000739 | 0.0549 | 0.00000576 | 0.000146 | 0.000337 | 0.0019 | 0.00015 |
| 2060 Feb | 0.00000355 | 1.73 | 0.00159 | 2.17 | 0.0226 | 0.000657 | 1.21 | 0.00329 | 0.00328 | 0.000163 | 0.000155 | 0.0000739 | 0.0549 | 0.00000576 | 0.000146 | 0.000337 | 0.0019 | 0.00015 |
| 2060 Mar | 0.00000355 | 1.73 | 0.00159 | 2.17 | 0.0226 | 0.000657 | 1.21 | 0.00329 | 0.00328 | 0.000163 | 0.000155 | 0.0000739 | 0.0549 | 0.00000576 | 0.000146 | 0.000337 | 0.0019 | 0.00015 |
| 2060 Apr | 0.00000356 | 1.73 | 0.00159 | 2.17 | 0.0226 | 0.000657 | 1.21 | 0.0033 | 0.00329 | 0.000163 | 0.000155 | 0.0000739 | 0.055 | 0.00000577 | 0.000146 | 0.000337 | 0.00191 | 0.00015 |
| 2060 May | 0.00000346 | 1.67 | 0.00153 | 2.12 | 0.0213 | 0.000615 | 1.2 | 0.00317 | 0.00314 | 0.0000924 | 0.000144 | 0.0000701 | 0.0524 | 0.00000569 | 0.000137 | 0.00033 | 0.00178 | 0.00014 |
| 2060 Jun | 0.00000347 | 1.76 | 0.00161 | 2.22 | 0.0229 | 0.000656 | 1.25 | 0.0034 | 0.0034 | 0.0000393 | 0.000147 | 0.0000724 | 0.0555 | 0.00000567 | 0.000143 | 0.000331 | 0.0017 | 0.000152 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 0.00000347 | 1.73 | 0.00157 | 2.2 | 0.022 | 0.000627 | 1.25 | 0.00329 | 0.00338 | 0.0000389 | 0.000143 | 0.0000708 | 0.0544 | 0.00000574 | 0.000138 | 0.000333 | 0.00172 | 0.000145 |
| 2060 Aug | 0.00000334 | 1.55 | 0.00142 | 1.99 | 0.0194 | 0.000545 | 1.13 | 0.00288 | 0.00301 | 0.0000366 | 0.00013 | 0.0000644 | 0.0485 | 0.00000563 | 0.000121 | 0.000321 | 0.00169 | 0.000124 |
| 2060 Sep | 0.00000338 | 1.58 | 0.0015 | 1.98 | 0.0208 | 0.00059 | 1.13 | 0.00295 | 0.00308 | 0.0000367 | 0.000137 | 0.0000685 | 0.0506 | 0.0000056 | 0.000131 | 0.000323 | 0.00168 | 0.000133 |
| 2060 Oct | 0.00000343 | 1.65 | 0.00156 | 2.06 | 0.0221 | 0.000626 | 1.16 | 0.00312 | 0.0032 | 0.0000861 | 0.000144 | 0.0000715 | 0.0531 | 0.00000562 | 0.000139 | 0.000327 | 0.00176 | 0.000141 |
| 2060 Nov | 0.00000347 | 1.69 | 0.0016 | 2.11 | 0.0229 | 0.000651 | 1.18 | 0.00324 | 0.0033 | 0.000101 | 0.000149 | 0.0000731 | 0.0547 | 0.00000565 | 0.000144 | 0.00033 | 0.00178 | 0.000147 |
| 2060 Dec | 0.00000347 | 1.7 | 0.00161 | 2.12 | 0.0231 | 0.000654 | 1.19 | 0.00326 | 0.00331 | 0.0001 | 0.000149 | 0.0000733 | 0.0549 | 0.00000566 | 0.000144 | 0.000331 | 0.00179 | 0.000148 |
| 2061 Jan | 0.00000348 | 1.7 | 0.00161 | 2.12 | 0.0231 | 0.000654 | 1.19 | 0.00326 | 0.00331 | 0.0001 | 0.000149 | 0.0000733 | 0.0549 | 0.00000566 | 0.000144 | 0.000331 | 0.00179 | 0.000148 |
| 2061 Feb | 0.00000348 | 1.7 | 0.00161 | 2.12 | 0.0231 | 0.000655 | 1.19 | 0.00326 | 0.00331 | 0.0001 | 0.000149 | 0.0000733 | 0.055 | 0.00000566 | 0.000144 | 0.000331 | 0.00179 | 0.000148 |
| 2061 Mar | 0.00000348 | 1.7 | 0.00161 | 2.12 | 0.0231 | 0.000655 | 1.19 | 0.00326 | 0.00331 | 0.0001 | 0.000149 | 0.0000733 | 0.055 | 0.00000566 | 0.000144 | 0.000331 | 0.00179 | 0.000148 |
| 2061 Apr | 0.00000348 | 1.7 | 0.00161 | 2.12 | 0.0231 | 0.000655 | 1.19 | 0.00326 | 0.00332 | 0.0001 | 0.00015 | 0.0000734 | 0.055 | 0.00000567 | 0.000145 | 0.000331 | 0.00179 | 0.000148 |
| 2061 May | 0.00000341 | 1.64 | 0.00152 | 2.06 | 0.0212 | 0.000603 | 1.17 | 0.00306 | 0.00313 | 0.0000855 | 0.000141 | 0.0000693 | 0.0519 | 0.00000563 | 0.000134 | 0.000326 | 0.00176 | 0.000136 |
| 2061 Jun | 0.00000337 | 1.72 | 0.00155 | 2.18 | 0.0217 | 0.000614 | 1.24 | 0.00319 | 0.00347 | 0.0000374 | 0.000139 | 0.0000683 | 0.0542 | 0.00000553 | 0.000136 | 0.000321 | 0.00166 | 0.000138 |
| 2061 Jul | 0.00000336 | 1.66 | 0.00151 | 2.12 | 0.021 | 0.000585 | 1.2 | 0.00309 | 0.00338 | 0.0000368 | 0.000135 | 0.0000663 | 0.0524 | 0.00000558 | 0.00013 | 0.000321 | 0.00167 | 0.000132 |
| 2061 Aug | 0.00000336 | 1.61 | 0.00148 | 2.05 | 0.0204 | 0.000564 | 1.17 | 0.00299 | 0.00325 | 0.0000367 | 0.000132 | 0.0000651 | 0.0508 | 0.00000563 | 0.000126 | 0.000322 | 0.00169 | 0.000127 |
| 2061 Sep | 0.00000332 | 1.55 | 0.00143 | 1.97 | 0.0194 | 0.000537 | 1.12 | 0.00281 | 0.00308 | 0.000036 | 0.000128 | 0.0000634 | 0.0487 | 0.00000559 | 0.000121 | 0.000318 | 0.00168 | 0.000119 |
| 2061 Oct | 0.0000033 | 1.55 | 0.00143 | 1.97 | 0.0194 | 0.000541 | 1.11 | 0.00279 | 0.003 | 0.000135 | 0.000133 | 0.000064 | 0.0491 | 0.00000554 | 0.000122 | 0.000316 | 0.0018 | 0.000119 |
| 2061 Nov | 0.00000336 | 1.61 | 0.00149 | 2.03 | 0.0207 | 0.000576 | 1.14 | 0.00295 | 0.00312 | 0.000158 | 0.00014 | 0.0000665 | 0.0513 | 0.00000558 | 0.000129 | 0.000321 | 0.00184 | 0.000127 |
| 2061 Dec | 0.00000337 | 1.62 | 0.0015 | 2.04 | 0.0209 | 0.000582 | 1.15 | 0.00297 | 0.00314 | 0.000156 | 0.00014 | 0.0000669 | 0.0517 | 0.00000558 | 0.00013 | 0.000321 | 0.00184 | 0.000128 |
| 2062 Jan | 0.00000337 | 1.62 | 0.0015 | 2.04 | 0.0209 | 0.000582 | 1.15 | 0.00297 | 0.00314 | 0.000156 | 0.000141 | 0.000067 | 0.0517 | 0.00000558 | 0.000131 | 0.000321 | 0.00184 | 0.000128 |
| 2062 Feb | 0.00000337 | 1.62 | 0.0015 | 2.04 | 0.0209 | 0.000582 | 1.15 | 0.00297 | 0.00314 | 0.000156 | 0.000141 | 0.000067 | 0.0517 | 0.00000558 | 0.000131 | 0.000321 | 0.00184 | 0.000128 |
| 2062 Mar | 0.00000337 | 1.62 | 0.00151 | 2.04 | 0.0209 | 0.000583 | 1.15 | 0.00298 | 0.00314 | 0.000156 | 0.000141 | 0.000067 | 0.0517 | 0.00000559 | 0.000131 | 0.000321 | 0.00184 | 0.000128 |
| 2062 Apr | 0.00000337 | 1.62 | 0.00151 | 2.04 | 0.0209 | 0.000583 | 1.15 | 0.00298 | 0.00314 | 0.000156 | 0.000141 | 0.000067 | 0.0518 | 0.00000559 | 0.000131 | 0.000322 | 0.00185 | 0.000128 |
| 2062 May | 0.00000339 | 1.63 | 0.00151 | 2.05 | 0.021 | 0.000585 | 1.16 | 0.00299 | 0.00316 | 0.000157 | 0.000141 | 0.0000673 | 0.052 | 0.00000561 | 0.000131 | 0.000323 | 0.00185 | 0.000129 |
| 2062 Jun | 0.00000333 | 1.68 | 0.00149 | 2.13 | 0.0204 | 0.000571 | 1.21 | 0.00296 | 0.00338 | 0.0000719 | 0.000135 | 0.0000656 | 0.0526 | 0.00000553 | 0.000129 | 0.000318 | 0.00171 | 0.000123 |
| 2062 Jul | 0.00000348 | 1.74 | 0.00158 | 2.17 | 0.0224 | 0.000627 | 1.23 | 0.00318 | 0.00353 | 0.0000379 | 0.000143 | 0.0000692 | 0.055 | 0.00000563 | 0.000143 | 0.000328 | 0.00169 | 0.000133 |
| 2062 Aug | 0.00000345 | 1.64 | 0.0015 | 2.04 | 0.0208 | 0.000582 | 1.16 | 0.00294 | 0.00328 | 0.0000372 | 0.000137 | 0.000066 | 0.0514 | 0.00000565 | 0.000135 | 0.000326 | 0.0017 | 0.000122 |
| 2062 Sep | 0.0000034 | 1.53 | 0.00143 | 1.91 | 0.0194 | 0.000549 | 1.09 | 0.00268 | 0.003 | 0.0000361 | 0.000132 | 0.0000644 | 0.0482 | 0.00000558 | 0.000129 | 0.00032 | 0.00168 | 0.000112 |
| 2062 Oct | 0.00000343 | 1.62 | 0.00151 | 2 | 0.0209 | 0.00059 | 1.13 | 0.00289 | 0.00311 | 0.000175 | 0.000144 | 0.000067 | 0.0515 | 0.00000554 | 0.000138 | 0.000322 | 0.00186 | 0.000121 |
| 2062 Nov | 0.00000351 | 1.71 | 0.0016 | 2.09 | 0.0227 | 0.00064 | 1.18 | 0.00312 | 0.0033 | 0.000186 | 0.000152 | 0.0000703 | 0.0547 | 0.0000056 | 0.000149 | 0.000328 | 0.00189 | 0.000132 |
| 2062 Dec | 0.00000352 | 1.71 | 0.00161 | 2.1 | 0.0229 | 0.000645 | 1.18 | 0.00314 | 0.00332 | 0.000183 | 0.000153 | 0.0000707 | 0.055 | 0.0000056 | 0.00015 | 0.000329 | 0.00189 | 0.000133 |
| 2063 Jan | 0.00000352 | 1.71 | 0.00161 | 2.1 | 0.0229 | 0.000646 | 1.18 | 0.00315 | 0.00333 | 0.000183 | 0.000153 | 0.0000707 | 0.055 | 0.0000056 | 0.00015 | 0.000329 | 0.00189 | 0.000133 |
| 2063 Feb | 0.00000352 | 1.71 | 0.00161 | 2.1 | 0.0229 | 0.000646 | 1.18 | 0.00315 | 0.00333 | 0.000182 | 0.000153 | 0.0000707 | 0.055 | 0.0000056 | 0.00015 | 0.000329 | 0.00189 | 0.000133 |
| 2063 Mar | 0.00000352 | 1.71 | 0.00161 | 2.1 | 0.0229 | 0.000646 | 1.18 | 0.00315 | 0.00333 | 0.000182 | 0.000153 | 0.0000707 | 0.055 | 0.0000056 | 0.00015 | 0.000329 | 0.00189 | 0.000133 |
| 2063 Apr | 0.00000352 | 1.71 | 0.00161 | 2.1 | 0.0229 | 0.000646 | 1.18 | 0.00315 | 0.00333 | 0.000182 | 0.000153 | 0.0000707 | 0.055 | 0.0000056 | 0.00015 | 0.000329 | 0.00189 | 0.000133 |
| 2063 May | 0.00000348 | 1.68 | 0.00156 | 2.07 | 0.0219 | 0.000618 | 1.17 | 0.00304 | 0.00323 | 0.000167 | 0.000148 | 0.0000687 | 0.0533 | 0.0000056 | 0.000144 | 0.000326 | 0.00186 | 0.000127 |
| 2063 Jun | 0.00000334 | 1.68 | 0.00149 | 2.11 | 0.0204 | 0.000568 | 1.21 | 0.00288 | 0.00342 | 0.0000394 | 0.000133 | 0.0000644 | 0.0526 | 0.00000547 | 0.000132 | 0.000315 | 0.00165 | 0.000115 |
| 2063 Jul | 0.0000034 | 1.73 | 0.00156 | 2.16 | 0.0218 | 0.000598 | 1.24 | 0.00304 | 0.00356 | 0.0000381 | 0.000137 | 0.0000667 | 0.0548 | 0.00000556 | 0.000137 | 0.000321 | 0.00167 | 0.000123 |
| 2063 Aug | 0.00000342 | 1.69 | 0.00153 | 2.13 | 0.0211 | 0.000575 | 1.22 | 0.00295 | 0.00346 | 0.0000381 | 0.000135 | 0.0000655 | 0.0534 | 0.00000565 | 0.000132 | 0.000324 | 0.0017 | 0.000118 |
| 2063 Sep | 0.00000339 | 1.64 | 0.00148 | 2.07 | 0.0201 | 0.000546 | 1.19 | 0.00281 | 0.00333 | 0.0000376 | 0.000131 | 0.0000638 | 0.0514 | 0.00000566 | 0.000126 | 0.000322 | 0.0017 | 0.000111 |
| 2063 Oct | 0.00000335 | 1.6 | 0.00143 | 2.02 | 0.0191 | 0.000521 | 1.16 | 0.0027 | 0.00319 | 0.000082 | 0.000129 | 0.000062 | 0.0499 | 0.00000562 | 0.000121 | 0.000319 | 0.00175 | 0.000106 |
| 2063 Nov | 0.00000335 | 1.6 | 0.00144 | 2.02 | 0.0192 | 0.000524 | 1.16 | 0.00271 | 0.0032 | 0.0000872 | 0.000129 | 0.0000622 | 0.05 | 0.00000563 | 0.000122 | 0.000319 | 0.00176 | 0.000106 |
| 2063 Dec | 0.00000335 | 1.6 | 0.00144 | 2.02 | 0.0193 | 0.000524 | 1.16 | 0.00271 | 0.0032 | 0.0000871 | 0.000129 | 0.0000622 | 0.05 | 0.00000563 | 0.000122 | 0.000319 | 0.00176 | 0.000106 |
| 2064 Jan | 0.00000335 | 1.6 | 0.00144 | 2.02 | 0.0192 | 0.000524 | 1.16 | 0.00271 | 0.0032 | 0.0000871 | 0.000129 | 0.0000622 | 0.05 | 0.00000563 | 0.000122 | 0.000319 | 0.00176 | 0.000106 |
| 2064 Feb | 0.00000335 | 1.6 | 0.00144 | 2.02 | 0.0193 | 0.000524 | 1.16 | 0.00271 | 0.0032 | 0.0000871 | 0.000129 | 0.0000622 | 0.05 | 0.00000563 | 0.000122 | 0.000319 | 0.00176 | 0.000106 |
| 2064 Mar | 0.00000335 | 1.6 | 0.00144 | 2.02 | 0.0193 | 0.000524 | 1.16 | 0.00271 | 0.0032 | 0.0000871 | 0.000129 | 0.0000622 | 0.05 | 0.00000563 | 0.000122 | 0.000319 | 0.00176 | 0.000106 |
| 2064 Apr | 0.00000336 | 1.6 | 0.00144 | 2.02 | 0.0193 | 0.000524 | 1.16 | 0.00271 | 0.0032 | 0.0000871 | 0.000129 | 0.0000623 | 0.0501 | 0.00000564 | 0.000122 | 0.000319 | 0.00176 | 0.000107 |
| 2064 May | 0.00000333 | 1.58 | 0.00142 | 2 | 0.0189 | 0.000514 | 1.15 | 0.00266 | 0.00309 | 0.0000731 | 0.000127 | 0.0000615 | 0.0491 | 0.0000056 | 0.00012 | 0.000316 | 0.00173 | 0.000103 |
| 2064 Jun | 0.00000345 | 1.72 | 0.00156 | 2.13 | 0.0215 | 0.000591 | 1.23 | 0.00293 | 0.00338 | 0.0000386 | 0.000138 | 0.0000669 | 0.0539 | 0.00000562 | 0.000139 | 0.000324 | 0.00169 | 0.000114 |
| 2064 Jul | 0.00000347 | 1.69 | 0.00152 | 2.11 | 0.0205 | 0.000564 | 1.22 | 0.00283 | 0.00334 | 0.0000382 | 0.000135 | 0.0000654 | 0.0525 | 0.0000057 | 0.000134 | 0.000326 | 0.00172 | 0.000108 |
| 2064 Aug | 0.00000343 | 1.59 | 0.00143 | 2 | 0.0191 | 0.000521 | 1.15 | 0.00263 | 0.00311 | 0.0000372 | 0.000129 | 0.0000623 | 0.0491 | 0.0000057 | 0.000125 | 0.000323 | 0.00171 | 0.0000981 |
| 2064 Sep | 0.00000339 | 1.51 | 0.00138 | 1.89 | 0.0181 | 0.000499 | 1.09 | 0.00243 | 0.00292 | 0.0000363 | 0.000126 | 0.0000616 | 0.0469 | 0.00000563 | 0.000122 | 0.000318 | 0.00169 | 0.0000917 |
| 2064 Oct | 0.00000347 | 1.57 | 0.00146 | 1.94 | 0.0196 | 0.000541 | 1.12 | 0.00255 | 0.00304 | 0.0000379 | 0.000133 | 0.0000652 | 0.0493 | 0.00000568 | 0.000132 | 0.000324 | 0.00171 | 0.0000986 |
| 2064 Nov | 0.00000348 | 1.58 | 0.00147 | 1.95 | 0.0198 | 0.000547 | 1.13 | 0.00257 | 0.00306 | 0.0000387 | 0.000134 | 0.0000657 | 0.0497 | 0.00000569 | 0.000133 | 0.000325 | 0.00171 | 0.0000997 |
| 2064 Dec | 0.00000348 | 1.58 | 0.00147 | 1.96 | 0.0198 | 0.000548 | 1.13 | 0.00258 | 0.00307 | 0.0000388 | 0.000135 | 0.0000657 | 0.0497 | 0.00000569 | 0.000133 | 0.000325 | 0.00172 | 0.0000998 |
| 2065 Jan | 0.00000348 | 1.59 | 0.00147 | 1.96 | 0.0198 | 0.000548 | 1.13 | 0.00258 | 0.00307 | 0.0000388 | 0.000135 | 0.0000657 | 0.0498 | 0.00000569 | 0.000133 | 0.000325 | 0.00172 | 0.0000999 |
| 2065 Feb | 0.00000348 | 1.59 | 0.00147 | 1.96 | 0.0198 | 0.000549 | 1.13 | 0.00258 | 0.00307 | 0.0000388 | 0.000135 | 0.0000658 | 0.0498 | 0.00000569 | 0.000133 | 0.000325 | 0.00172 | 0.0000999 |
| 2065 Mar | 0.00000349 | 1.59 | 0.00147 | 1.96 | 0.0198 | 0.000549 | 1.13 | 0.00258 | 0.00307 | 0.0000388 | 0.000135 | 0.0000658 | 0.0498 | 0.00000569 | 0.000134 | 0.000326 | 0.00172 | 0.0001 |
| 2065 Apr | 0.00000349 | 1.59 | 0.00148 | 1.96 | 0.0199 | 0.00055 | 1.13 | 0.00259 | 0.00308 | 0.0000388 | 0.000135 | 0.0000659 | 0.0499 | 0.0000057 | 0.000134 | 0.000326 | 0.00172 | 0.0001 |
| 2065 May | 0.00000344 | 1.55 | 0.00142 | 1.93 | 0.0186 | 0.000517 | 1.12 | 0.00248 | 0.00293 | 0.0000379 | 0.00013 | 0.0000632 | 0.0478 | 0.00000567 | 0.000126 | 0.000322 | 0.00171 | 0.0000933 |
| 2065 Jun | 0.00000344 | 1.73 | 0.00152 | 2.14 | 0.0207 | 0.00057 | 1.24 | 0.00277 | 0.00344 | 0.0000372 | 0.000136 | 0.0000656 | 0.0537 | 0.00000559 | 0.000137 | 0.000321 | 0.00168 | 0.000103 |
| 2065 Jul | 0.00000351 | 1.77 | 0.00157 | 2.19 | 0.0215 | 0.000585 | 1.26 | 0.00286 | 0.00356 | 0.000038 | 0.000139 | 0.000067 | 0.0552 | 0.00000571 | 0.00014 | 0.000328 | 0.00172 | 0.000107 |
| 2065 Aug | 0.00000348 | 1.7 | 0.00151 | 2.12 | 0.0203 | 0.000551 | 1.22 | 0.00272 | 0.0034 | 0.0000376 | 0.000134 | 0.0000648 | 0.0528 | 0.00000574 | 0.000132 | 0.000327 | 0.00173 | 0.0001 |
| 2065 Sep | 0.00000339 | 1.59 | 0.00143 | 1.99 | 0.0187 | 0.000506 | 1.15 | 0.00249 | 0.00314 | 0.0000365 | 0.000127 | 0.0000621 | 0.0493 | 0.00000567 | 0.000122 | 0.00032 | 0.00171 | 0.0000915 |
| 2065 Oct | 0.00000337 | 1.59 | 0.00145 | 1.97 | 0.0193 | 0.00052 | 1.13 | 0.0025 | 0.00302 | 0.000165 | 0.000134 | 0.0000631 | 0.05 | 0.00000558 | 0.000125 | 0.000316 | 0.00186 | 0.0000928 |
| 2065 Nov | 0.00000345 | 1.68 | 0.00154 | 2.06 | 0.0211 | 0.000569 | 1.18 | 0.00271 | 0.00319 | 0.000191 | 0.000143 | 0.0000665 | 0.0533 | 0.00000563 | 0.000136 | 0.000322 | 0.00191 | 0.000102 |

**Appendix D17. Lake A12**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 0.00000346 | 1.69 | 0.00156 | 2.07 | 0.0214 | 0.000578 | 1.18 | 0.00275 | 0.00323 | 0.000188 | 0.000145 | 0.0000671 | 0.0538 | 0.00000564 | 0.000138 | 0.000324 | 0.00191 | 0.000103 |
| 2066 Jan | 0.00000347 | 1.69 | 0.00156 | 2.07 | 0.0215 | 0.00058 | 1.19 | 0.00276 | 0.00324 | 0.000186 | 0.000145 | 0.0000673 | 0.054 | 0.00000564 | 0.000139 | 0.000324 | 0.00191 | 0.000104 |
| 2066 Feb | 0.00000347 | 1.69 | 0.00157 | 2.07 | 0.0216 | 0.000581 | 1.19 | 0.00276 | 0.00324 | 0.000186 | 0.000145 | 0.0000674 | 0.054 | 0.00000564 | 0.000139 | 0.000324 | 0.00191 | 0.000104 |
| 2066 Mar | 0.00000347 | 1.7 | 0.00157 | 2.08 | 0.0216 | 0.000582 | 1.19 | 0.00276 | 0.00325 | 0.000186 | 0.000145 | 0.0000674 | 0.0541 | 0.00000565 | 0.000139 | 0.000324 | 0.00191 | 0.000104 |
| 2066 Apr | 0.00000347 | 1.7 | 0.00157 | 2.08 | 0.0216 | 0.000583 | 1.19 | 0.00276 | 0.00325 | 0.000186 | 0.000145 | 0.0000675 | 0.0541 | 0.00000565 | 0.000139 | 0.000324 | 0.00191 | 0.000104 |
| 2066 May | 0.00000344 | 1.67 | 0.00153 | 2.05 | 0.0208 | 0.000562 | 1.18 | 0.00269 | 0.00316 | 0.00017 | 0.000141 | 0.0000659 | 0.0527 | 0.00000564 | 0.000135 | 0.000322 | 0.00188 | 0.0001 |
| 2066 Jun | 0.00000347 | 1.73 | 0.00155 | 2.13 | 0.0212 | 0.000578 | 1.23 | 0.00277 | 0.00342 | 0.0000404 | 0.000138 | 0.000066 | 0.054 | 0.00000561 | 0.00014 | 0.000323 | 0.00169 | 0.000101 |
| 2066 Jul | 0.00000354 | 1.74 | 0.00155 | 2.16 | 0.0208 | 0.000566 | 1.25 | 0.00276 | 0.00348 | 0.0000396 | 0.000137 | 0.0000658 | 0.0541 | 0.00000577 | 0.000138 | 0.00033 | 0.00174 | 0.0000989 |
| 2066 Aug | 0.00000346 | 1.62 | 0.00144 | 2.03 | 0.0189 | 0.00051 | 1.18 | 0.00252 | 0.00321 | 0.0000382 | 0.000129 | 0.0000618 | 0.05 | 0.00000575 | 0.000125 | 0.000324 | 0.00173 | 0.0000885 |
| 2066 Sep | 0.00000338 | 1.53 | 0.00137 | 1.92 | 0.0176 | 0.000474 | 1.12 | 0.00231 | 0.00299 | 0.000037 | 0.000123 | 0.0000598 | 0.0471 | 0.00000568 | 0.000117 | 0.000318 | 0.00171 | 0.0000813 |
| 2066 Oct | 0.00000339 | 1.55 | 0.00141 | 1.92 | 0.0184 | 0.000497 | 1.11 | 0.00234 | 0.00296 | 0.000104 | 0.00013 | 0.0000621 | 0.0484 | 0.00000564 | 0.000123 | 0.000318 | 0.00179 | 0.0000839 |
| 2066 Nov | 0.00000346 | 1.64 | 0.0015 | 2.01 | 0.0201 | 0.000542 | 1.16 | 0.00253 | 0.0031 | 0.000161 | 0.000139 | 0.000065 | 0.0515 | 0.00000567 | 0.000133 | 0.000323 | 0.00188 | 0.0000911 |
| 2066 Dec | 0.00000348 | 1.65 | 0.00152 | 2.02 | 0.0204 | 0.000552 | 1.16 | 0.00257 | 0.00314 | 0.000159 | 0.000141 | 0.0000658 | 0.0522 | 0.00000568 | 0.000135 | 0.000324 | 0.00188 | 0.0000928 |
| 2067 Jan | 0.00000348 | 1.66 | 0.00152 | 2.02 | 0.0205 | 0.000554 | 1.17 | 0.00257 | 0.00315 | 0.000158 | 0.000141 | 0.0000659 | 0.0523 | 0.00000569 | 0.000136 | 0.000324 | 0.00188 | 0.0000932 |
| 2067 Feb | 0.00000349 | 1.66 | 0.00152 | 2.03 | 0.0206 | 0.000555 | 1.17 | 0.00258 | 0.00315 | 0.000158 | 0.000141 | 0.000066 | 0.0524 | 0.00000569 | 0.000136 | 0.000325 | 0.00188 | 0.0000934 |
| 2067 Mar | 0.00000349 | 1.66 | 0.00152 | 2.03 | 0.0206 | 0.000556 | 1.17 | 0.00258 | 0.00315 | 0.000158 | 0.000141 | 0.000066 | 0.0524 | 0.00000569 | 0.000136 | 0.000325 | 0.00188 | 0.0000935 |
| 2067 Apr | 0.00000349 | 1.66 | 0.00153 | 2.03 | 0.0206 | 0.000557 | 1.17 | 0.00259 | 0.00316 | 0.000158 | 0.000142 | 0.0000661 | 0.0525 | 0.0000057 | 0.000136 | 0.000325 | 0.00188 | 0.0000937 |
| 2067 May | 0.00000342 | 1.59 | 0.00143 | 1.97 | 0.0187 | 0.000509 | 1.15 | 0.00243 | 0.00295 | 0.000118 | 0.000132 | 0.0000623 | 0.0491 | 0.00000565 | 0.000126 | 0.000319 | 0.00182 | 0.0000847 |
| 2067 Jun | 0.00000349 | 1.73 | 0.00156 | 2.12 | 0.0211 | 0.000572 | 1.23 | 0.0027 | 0.00338 | 0.000041 | 0.000138 | 0.0000661 | 0.0541 | 0.00000564 | 0.00014 | 0.000324 | 0.0017 | 0.0000948 |
| 2067 Jul | 0.00000353 | 1.74 | 0.00156 | 2.14 | 0.021 | 0.000565 | 1.24 | 0.0027 | 0.00344 | 0.0000401 | 0.000138 | 0.000066 | 0.0542 | 0.00000576 | 0.000139 | 0.000329 | 0.00174 | 0.0000939 |
| 2067 Aug | 0.0000034 | 1.56 | 0.00144 | 1.93 | 0.0192 | 0.000502 | 1.12 | 0.00243 | 0.00304 | 0.0000377 | 0.000127 | 0.0000613 | 0.0487 | 0.00000566 | 0.000124 | 0.000319 | 0.00171 | 0.0000826 |
| 2067 Sep | 0.00000342 | 1.57 | 0.00146 | 1.93 | 0.0195 | 0.000512 | 1.12 | 0.00243 | 0.00305 | 0.0000378 | 0.000129 | 0.0000624 | 0.0493 | 0.00000569 | 0.000126 | 0.000321 | 0.00171 | 0.0000838 |
| 2067 Oct | 0.00000342 | 1.59 | 0.00147 | 1.95 | 0.0197 | 0.000519 | 1.13 | 0.00244 | 0.00305 | 0.0000946 | 0.000132 | 0.0000631 | 0.0501 | 0.00000566 | 0.000128 | 0.00032 | 0.00179 | 0.0000847 |
| 2067 Nov | 0.00000346 | 1.63 | 0.00151 | 1.98 | 0.0204 | 0.000539 | 1.15 | 0.00252 | 0.00312 | 0.000108 | 0.000136 | 0.0000645 | 0.0514 | 0.00000569 | 0.000133 | 0.000323 | 0.00181 | 0.0000878 |
| 2067 Dec | 0.00000346 | 1.63 | 0.00152 | 1.99 | 0.0205 | 0.000542 | 1.15 | 0.00253 | 0.00313 | 0.000107 | 0.000137 | 0.0000647 | 0.0516 | 0.00000569 | 0.000133 | 0.000323 | 0.00181 | 0.0000883 |
| 2068 Jan | 0.00000347 | 1.63 | 0.00152 | 1.99 | 0.0205 | 0.000543 | 1.15 | 0.00253 | 0.00313 | 0.000107 | 0.000137 | 0.0000648 | 0.0517 | 0.00000569 | 0.000134 | 0.000323 | 0.00181 | 0.0000885 |
| 2068 Feb | 0.00000347 | 1.63 | 0.00152 | 1.99 | 0.0206 | 0.000543 | 1.15 | 0.00253 | 0.00314 | 0.000107 | 0.000137 | 0.0000649 | 0.0518 | 0.00000569 | 0.000134 | 0.000323 | 0.00181 | 0.0000886 |
| 2068 Mar | 0.00000347 | 1.64 | 0.00152 | 1.99 | 0.0206 | 0.000544 | 1.16 | 0.00254 | 0.00314 | 0.000107 | 0.000137 | 0.0000649 | 0.0518 | 0.0000057 | 0.000134 | 0.000323 | 0.00181 | 0.0000887 |
| 2068 Apr | 0.00000348 | 1.64 | 0.00153 | 2 | 0.0206 | 0.000545 | 1.16 | 0.00254 | 0.00315 | 0.000107 | 0.000137 | 0.0000651 | 0.0519 | 0.00000571 | 0.000134 | 0.000324 | 0.00182 | 0.0000889 |
| 2068 May | 0.00000343 | 1.6 | 0.00146 | 1.96 | 0.0193 | 0.000514 | 1.15 | 0.00243 | 0.003 | 0.0000875 | 0.000132 | 0.0000625 | 0.0497 | 0.00000567 | 0.000128 | 0.00032 | 0.00178 | 0.0000828 |
| 2068 Jun | 0.00000342 | 1.72 | 0.00156 | 2.11 | 0.0212 | 0.00056 | 1.23 | 0.00266 | 0.00343 | 0.0000384 | 0.000134 | 0.0000646 | 0.0542 | 0.00000556 | 0.000137 | 0.000318 | 0.00168 | 0.0000914 |
| 2068 Jul | 0.00000347 | 1.75 | 0.00156 | 2.15 | 0.0211 | 0.000555 | 1.25 | 0.00267 | 0.00352 | 0.0000387 | 0.000134 | 0.0000647 | 0.0547 | 0.00000568 | 0.000136 | 0.000323 | 0.00171 | 0.000091 |
| 2068 Aug | 0.00000347 | 1.7 | 0.00152 | 2.1 | 0.0201 | 0.000528 | 1.23 | 0.00256 | 0.0034 | 0.0000386 | 0.000131 | 0.0000632 | 0.0529 | 0.00000575 | 0.00013 | 0.000325 | 0.00173 | 0.0000862 |
| 2068 Sep | 0.00000337 | 1.57 | 0.00141 | 1.96 | 0.0181 | 0.000474 | 1.15 | 0.00231 | 0.00311 | 0.0000371 | 0.000122 | 0.0000595 | 0.0487 | 0.00000568 | 0.000118 | 0.000317 | 0.00171 | 0.0000768 |
| 2068 Oct | 0.00000337 | 1.56 | 0.00141 | 1.95 | 0.018 | 0.000473 | 1.14 | 0.00229 | 0.00309 | 0.0000378 | 0.000122 | 0.0000597 | 0.0485 | 0.00000568 | 0.000117 | 0.000317 | 0.00171 | 0.0000765 |
| 2068 Nov | 0.00000337 | 1.57 | 0.00141 | 1.95 | 0.0181 | 0.000474 | 1.14 | 0.00229 | 0.00309 | 0.0000385 | 0.000122 | 0.0000598 | 0.0486 | 0.00000569 | 0.000117 | 0.000318 | 0.00172 | 0.0000766 |
| 2068 Dec | 0.00000337 | 1.57 | 0.00141 | 1.95 | 0.0181 | 0.000474 | 1.14 | 0.00229 | 0.00309 | 0.0000385 | 0.000122 | 0.0000598 | 0.0486 | 0.00000569 | 0.000117 | 0.000318 | 0.00172 | 0.0000766 |
| 2069 Jan | 0.00000337 | 1.57 | 0.00141 | 1.95 | 0.0181 | 0.000474 | 1.14 | 0.00229 | 0.00309 | 0.0000385 | 0.000122 | 0.0000598 | 0.0486 | 0.00000569 | 0.000118 | 0.000318 | 0.00172 | 0.0000766 |
| 2069 Feb | 0.00000337 | 1.57 | 0.00141 | 1.95 | 0.0181 | 0.000474 | 1.14 | 0.00229 | 0.00309 | 0.0000385 | 0.000122 | 0.0000599 | 0.0486 | 0.00000569 | 0.000118 | 0.000318 | 0.00172 | 0.0000766 |
| 2069 Mar | 0.00000338 | 1.57 | 0.00141 | 1.95 | 0.0181 | 0.000474 | 1.14 | 0.00229 | 0.00309 | 0.0000385 | 0.000122 | 0.0000599 | 0.0486 | 0.00000569 | 0.000118 | 0.000318 | 0.00172 | 0.0000767 |
| 2069 Apr | 0.00000338 | 1.57 | 0.00141 | 1.95 | 0.0181 | 0.000475 | 1.14 | 0.0023 | 0.0031 | 0.0000385 | 0.000123 | 0.0000599 | 0.0487 | 0.0000057 | 0.000118 | 0.000318 | 0.00172 | 0.0000768 |
| 2069 May | 0.00000338 | 1.56 | 0.0014 | 1.95 | 0.0179 | 0.000468 | 1.14 | 0.00228 | 0.00307 | 0.0000385 | 0.000122 | 0.0000596 | 0.0483 | 0.00000572 | 0.000116 | 0.000318 | 0.00172 | 0.0000756 |
| 2069 Jun | 0.00000339 | 1.67 | 0.00144 | 2.08 | 0.0186 | 0.000494 | 1.22 | 0.00237 | 0.0033 | 0.0000372 | 0.000126 | 0.000061 | 0.0512 | 0.00000564 | 0.000123 | 0.000316 | 0.0017 | 0.0000756 |
| 2069 Jul | 0.00000353 | 1.77 | 0.00154 | 2.18 | 0.0204 | 0.000539 | 1.28 | 0.00255 | 0.00352 | 0.0000387 | 0.000135 | 0.0000649 | 0.0547 | 0.00000581 | 0.000134 | 0.000328 | 0.00175 | 0.0000822 |
| 2069 Aug | 0.00000345 | 1.64 | 0.00145 | 2.03 | 0.0186 | 0.000488 | 1.19 | 0.00233 | 0.00322 | 0.0000375 | 0.000127 | 0.0000612 | 0.0506 | 0.00000578 | 0.000122 | 0.000323 | 0.00174 | 0.0000739 |
| 2069 Sep | 0.00000339 | 1.57 | 0.00143 | 1.92 | 0.0185 | 0.000484 | 1.13 | 0.00222 | 0.00302 | 0.0000369 | 0.000125 | 0.0000612 | 0.049 | 0.00000568 | 0.000121 | 0.000317 | 0.00171 | 0.0000722 |
| 2069 Oct | 0.00000346 | 1.64 | 0.00152 | 1.98 | 0.0203 | 0.000528 | 1.16 | 0.00236 | 0.00315 | 0.0000423 | 0.000132 | 0.0000651 | 0.0519 | 0.00000572 | 0.000131 | 0.000322 | 0.00173 | 0.0000789 |
| 2069 Nov | 0.00000348 | 1.65 | 0.00154 | 2 | 0.0206 | 0.000537 | 1.17 | 0.0024 | 0.00319 | 0.0000468 | 0.000134 | 0.0000658 | 0.0525 | 0.00000573 | 0.000134 | 0.000324 | 0.00174 | 0.0000803 |
| 2069 Dec | 0.00000348 | 1.66 | 0.00154 | 2 | 0.0207 | 0.000538 | 1.17 | 0.0024 | 0.0032 | 0.0000468 | 0.000134 | 0.0000658 | 0.0526 | 0.00000574 | 0.000134 | 0.000324 | 0.00174 | 0.0000805 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 40.9 | 0.0395 | 0.305 | 0.000364 | 7.85 | 0.0284 | 8.1 | 0.00000389 | 0.00295 | 0.00101 | 0.00471 | 0.0107 | 0.0000126 | 7.25 | 0.00000275 | 0.00017 | 0.000105 | 0.0003 | 0.024 |
| Operation (Jan., 2024 to Jun., 2028): Average | 48 | 0.0764 | 0.43 | 0.00049 | 9.98 | 0.0336 | 12.1 | 0.00000451 | 0.00424 | 0.00236 | 0.00649 | 0.0126 | 0.0000189 | 9.01 | 0.000004 | 0.000483 | 0.000156 | 0.000416 | 0.0334 |
| Operation (Jan., 2024 to Jun., 2028): Max | 54.8 | 0.103 | 0.515 | 0.000816 | 11.5 | 0.0388 | 15.4 | 0.00000486 | 0.0052 | 0.00327 | 0.00806 | 0.0142 | 0.0000244 | 10.5 | 0.00000486 | 0.000905 | 0.000203 | 0.000507 | 0.0389 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 22.7 | 0.00255 | 0.054 | 0.000233 | 4.37 | 0.0178 | 2.83 | 0.00000252 | 0.00168 | 0.000215 | 0.00254 | 0.00614 | 0.00000513 | 3.25 | 0.00000136 | 0.0000308 | 0.0000393 | 0.000161 | 0.00661 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 26.7 | 0.00774 | 0.0942 | 0.000272 | 5.38 | 0.021 | 4.08 | 0.00000285 | 0.00233 | 0.000529 | 0.00298 | 0.00709 | 0.00000649 | 4.06 | 0.00000184 | 0.0000516 | 0.0000545 | 0.000206 | 0.0105 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 47.8 | 0.0803 | 0.352 | 0.000362 | 9.31 | 0.0359 | 12.9 | 0.00000443 | 0.00475 | 0.0027 | 0.00541 | 0.0126 | 0.0000147 | 9.06 | 0.00000425 | 0.000195 | 0.000126 | 0.000452 | 0.0327 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 25.9 | 0.000999 | 0.0501 | 0.000216 | 5.04 | 0.0219 | 3.74 | 0.00000261 | 0.00307 | 0.0015 | 0.00258 | 0.00685 | 0.00000534 | 3.85 | 0.00000173 | 0.0000389 | 0.000061 | 0.000262 | 0.0121 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 29.9 | 0.00214 | 0.0654 | 0.000301 | 5.74 | 0.024 | 4.87 | 0.00000278 | 0.0044 | 0.00322 | 0.00277 | 0.00774 | 0.00000576 | 4.48 | 0.00000212 | 0.0000453 | 0.0000696 | 0.000301 | 0.0147 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 45.2 | 0.00354 | 0.143 | 0.000432 | 9.19 | 0.0273 | 6.6 | 0.00000299 | 0.00483 | 0.00511 | 0.00299 | 0.0106 | 0.0000063 | 6.14 | 0.00000264 | 0.0000545 | 0.0000791 | 0.000346 | 0.0167 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 44.3 | 0.0416 | 0.407 | 0.000576 | 10 | 0.0304 | 8.56 | 0.00000453 | 0.00352 | 0.00106 | 0.00726 | 0.0121 | 0.0000244 | 7.83 | 0.00000299 | 0.000456 | 0.000197 | 0.00034 | 0.0241 |
| 2024 Feb | 44.3 | 0.0416 | 0.407 | 0.000576 | 10 | 0.0304 | 8.56 | 0.00000453 | 0.00352 | 0.00106 | 0.00726 | 0.0121 | 0.0000244 | 7.83 | 0.00000299 | 0.000456 | 0.000197 | 0.00034 | 0.0241 |
| 2024 Mar | 44.3 | 0.0416 | 0.407 | 0.000576 | 10 | 0.0305 | 8.56 | 0.00000453 | 0.00352 | 0.00106 | 0.00726 | 0.0121 | 0.0000244 | 7.84 | 0.00000299 | 0.000456 | 0.000197 | 0.00034 | 0.0241 |
| 2024 Apr | 44.4 | 0.0416 | 0.409 | 0.000576 | 10.1 | 0.0305 | 8.58 | 0.00000454 | 0.00353 | 0.00107 | 0.00727 | 0.0121 | 0.0000244 | 7.85 | 0.00000299 | 0.00046 | 0.000198 | 0.000341 | 0.0242 |
| 2024 May | 43.2 | 0.04 | 0.397 | 0.000559 | 9.79 | 0.0298 | 8.37 | 0.00000446 | 0.00341 | 0.00103 | 0.00714 | 0.0118 | 0.0000235 | 7.64 | 0.00000293 | 0.000489 | 0.000191 | 0.000331 | 0.024 |
| 2024 Jun | 40.9 | 0.0395 | 0.378 | 0.000733 | 9.28 | 0.0284 | 8.1 | 0.00000424 | 0.00295 | 0.00101 | 0.00682 | 0.011 | 0.0000202 | 7.25 | 0.00000275 | 0.00068 | 0.000167 | 0.0003 | 0.0253 |
| 2024 Jul | 47.4 | 0.0507 | 0.457 | 0.000816 | 10.9 | 0.0318 | 9.62 | 0.00000465 | 0.00334 | 0.00128 | 0.00771 | 0.0127 | 0.0000228 | 8.5 | 0.00000311 | 0.000848 | 0.000193 | 0.000341 | 0.0312 |
| 2024 Aug | 50 | 0.0563 | 0.488 | 0.000772 | 11.5 | 0.0331 | 10.3 | 0.00000482 | 0.0036 | 0.00143 | 0.00806 | 0.0133 | 0.0000238 | 9.02 | 0.00000329 | 0.000905 | 0.000203 | 0.000361 | 0.0338 |
| 2024 Sep | 46.7 | 0.0575 | 0.457 | 0.00056 | 10.7 | 0.0311 | 9.96 | 0.00000457 | 0.00363 | 0.00152 | 0.00748 | 0.0123 | 0.0000219 | 8.51 | 0.00000324 | 0.000822 | 0.000185 | 0.00035 | 0.0327 |
| 2024 Oct | 46.9 | 0.061 | 0.461 | 0.00048 | 10.6 | 0.0312 | 10.3 | 0.00000457 | 0.00373 | 0.00168 | 0.00742 | 0.0123 | 0.0000216 | 8.6 | 0.00000336 | 0.0008 | 0.000181 | 0.000359 | 0.0332 |
| 2024 Nov | 48.5 | 0.0656 | 0.483 | 0.000467 | 10.9 | 0.0321 | 10.9 | 0.00000465 | 0.00387 | 0.00185 | 0.00756 | 0.0127 | 0.0000221 | 8.95 | 0.00000356 | 0.000813 | 0.000185 | 0.000376 | 0.0345 |
| 2024 Dec | 49.1 | 0.0671 | 0.49 | 0.000469 | 11 | 0.0324 | 11.1 | 0.00000468 | 0.00392 | 0.00191 | 0.00761 | 0.0128 | 0.0000223 | 9.08 | 0.00000362 | 0.000819 | 0.000187 | 0.000381 | 0.035 |
| 2025 Jan | 49.5 | 0.0681 | 0.495 | 0.000473 | 11.1 | 0.0326 | 11.3 | 0.0000047 | 0.00395 | 0.00194 | 0.00765 | 0.0129 | 0.0000224 | 9.16 | 0.00000366 | 0.000823 | 0.000188 | 0.000384 | 0.0353 |
| 2025 Feb | 49.8 | 0.0689 | 0.5 | 0.000476 | 11.2 | 0.0328 | 11.4 | 0.00000472 | 0.00397 | 0.00198 | 0.00769 | 0.013 | 0.0000225 | 9.23 | 0.00000369 | 0.000826 | 0.000189 | 0.000387 | 0.0356 |
| 2025 Mar | 50.2 | 0.0698 | 0.504 | 0.00048 | 11.2 | 0.033 | 11.5 | 0.00000474 | 0.004 | 0.00201 | 0.00772 | 0.0131 | 0.0000226 | 9.3 | 0.00000373 | 0.00083 | 0.00019 | 0.000391 | 0.0359 |
| 2025 Apr | 50.6 | 0.0708 | 0.51 | 0.000486 | 11.3 | 0.0332 | 11.7 | 0.00000476 | 0.00403 | 0.00204 | 0.00776 | 0.0132 | 0.0000228 | 9.39 | 0.00000377 | 0.000835 | 0.000191 | 0.000394 | 0.0362 |
| 2025 May | 51.1 | 0.0716 | 0.515 | 0.000492 | 11.4 | 0.0335 | 11.8 | 0.0000048 | 0.00406 | 0.00207 | 0.00783 | 0.0133 | 0.000023 | 9.48 | 0.00000381 | 0.000842 | 0.000192 | 0.000398 | 0.0365 |
| 2025 Jun | 44.8 | 0.0622 | 0.413 | 0.000485 | 9.83 | 0.0316 | 10.4 | 0.00000434 | 0.00338 | 0.00188 | 0.00662 | 0.012 | 0.0000189 | 8.27 | 0.00000344 | 0.000627 | 0.000158 | 0.000357 | 0.0299 |
| 2025 Jul | 48.8 | 0.0702 | 0.435 | 0.000442 | 10.5 | 0.035 | 11.6 | 0.00000463 | 0.00373 | 0.00218 | 0.00682 | 0.0133 | 0.0000195 | 9.08 | 0.00000379 | 0.000588 | 0.000163 | 0.000401 | 0.0331 |
| 2025 Aug | 51.7 | 0.0763 | 0.468 | 0.00045 | 11.1 | 0.0366 | 12.5 | 0.00000486 | 0.00412 | 0.00238 | 0.00717 | 0.014 | 0.0000207 | 9.66 | 0.00000404 | 0.000619 | 0.000173 | 0.00043 | 0.036 |
| 2025 Sep | 45.9 | 0.0711 | 0.417 | 0.000393 | 9.7 | 0.0327 | 11.4 | 0.00000448 | 0.00413 | 0.00226 | 0.00642 | 0.0123 | 0.0000183 | 8.64 | 0.00000378 | 0.000517 | 0.000149 | 0.000399 | 0.0332 |
| 2025 Oct | 45.4 | 0.0748 | 0.415 | 0.00037 | 9.4 | 0.0323 | 11.7 | 0.0000044 | 0.00427 | 0.00242 | 0.00621 | 0.012 | 0.0000177 | 8.62 | 0.00000402 | 0.000473 | 0.000143 | 0.000408 | 0.0329 |
| 2025 Nov | 47.7 | 0.0813 | 0.442 | 0.000423 | 9.8 | 0.0336 | 12.6 | 0.0000045 | 0.00448 | 0.00266 | 0.00637 | 0.0125 | 0.0000182 | 9.1 | 0.00000433 | 0.000482 | 0.000149 | 0.000431 | 0.0345 |
| 2025 Dec | 48.6 | 0.0837 | 0.452 | 0.000453 | 9.97 | 0.0341 | 12.9 | 0.00000454 | 0.00455 | 0.00273 | 0.00644 | 0.0127 | 0.0000185 | 9.28 | 0.00000443 | 0.000488 | 0.000151 | 0.000439 | 0.0351 |
| 2026 Jan | 49.1 | 0.0849 | 0.457 | 0.000471 | 10.1 | 0.0343 | 13.1 | 0.00000457 | 0.00458 | 0.00278 | 0.00648 | 0.0128 | 0.0000186 | 9.38 | 0.00000447 | 0.000492 | 0.000152 | 0.000444 | 0.0355 |
| 2026 Feb | 49.5 | 0.086 | 0.462 | 0.000488 | 10.1 | 0.0346 | 13.2 | 0.00000459 | 0.00461 | 0.00281 | 0.00652 | 0.0129 | 0.0000188 | 9.47 | 0.00000451 | 0.000495 | 0.000153 | 0.000448 | 0.0358 |
| 2026 Mar | 49.9 | 0.087 | 0.467 | 0.000502 | 10.2 | 0.0348 | 13.3 | 0.0000046 | 0.00464 | 0.00284 | 0.00655 | 0.013 | 0.0000189 | 9.54 | 0.00000455 | 0.000498 | 0.000154 | 0.000451 | 0.0361 |
| 2026 Apr | 50.3 | 0.088 | 0.472 | 0.000518 | 10.3 | 0.035 | 13.5 | 0.00000463 | 0.00467 | 0.00288 | 0.00659 | 0.0131 | 0.000019 | 9.64 | 0.00000459 | 0.000501 | 0.000156 | 0.000455 | 0.0365 |
| 2026 May | 50.8 | 0.089 | 0.476 | 0.000535 | 10.4 | 0.0353 | 13.6 | 0.00000466 | 0.0047 | 0.00291 | 0.00663 | 0.0132 | 0.0000191 | 9.72 | 0.00000463 | 0.000504 | 0.000157 | 0.000459 | 0.0368 |
| 2026 Jun | 41.4 | 0.0679 | 0.338 | 0.000603 | 8.31 | 0.031 | 10.6 | 0.00000402 | 0.0035 | 0.00218 | 0.00536 | 0.0112 | 0.0000149 | 7.76 | 0.00000363 | 0.000336 | 0.000121 | 0.00037 | 0.0276 |
| 2026 Jul | 48.3 | 0.0809 | 0.399 | 0.000503 | 9.77 | 0.0351 | 12.5 | 0.00000444 | 0.00413 | 0.00255 | 0.00601 | 0.013 | 0.0000171 | 9.11 | 0.0000041 | 0.000381 | 0.000142 | 0.000429 | 0.034 |
| 2026 Aug | 50 | 0.0853 | 0.418 | 0.000461 | 10.1 | 0.036 | 13 | 0.00000458 | 0.00446 | 0.00269 | 0.0062 | 0.0134 | 0.0000177 | 9.48 | 0.00000426 | 0.000392 | 0.000148 | 0.000449 | 0.0362 |
| 2026 Sep | 50 | 0.0863 | 0.42 | 0.000431 | 10.1 | 0.0359 | 13.1 | 0.00000459 | 0.00456 | 0.00272 | 0.0062 | 0.0133 | 0.0000177 | 9.49 | 0.00000429 | 0.000388 | 0.000148 | 0.000452 | 0.0366 |
| 2026 Oct | 50.2 | 0.0874 | 0.424 | 0.000415 | 10.1 | 0.0359 | 13.2 | 0.0000046 | 0.00463 | 0.00276 | 0.00622 | 0.0133 | 0.0000177 | 9.55 | 0.00000433 | 0.000387 | 0.000148 | 0.000455 | 0.0369 |
| 2026 Nov | 50.6 | 0.089 | 0.43 | 0.000405 | 10.2 | 0.0361 | 13.4 | 0.00000462 | 0.00469 | 0.00282 | 0.00625 | 0.0134 | 0.0000179 | 9.64 | 0.00000439 | 0.000388 | 0.000149 | 0.00046 | 0.0373 |
| 2026 Dec | 50.6 | 0.0892 | 0.431 | 0.000404 | 10.2 | 0.0361 | 13.5 | 0.00000462 | 0.00469 | 0.00282 | 0.00625 | 0.0134 | 0.0000179 | 9.66 | 0.00000439 | 0.000388 | 0.000149 | 0.000461 | 0.0374 |
| 2027 Jan | 50.7 | 0.0894 | 0.431 | 0.000403 | 10.2 | 0.0361 | 13.5 | 0.00000462 | 0.0047 | 0.00283 | 0.00626 | 0.0134 | 0.0000179 | 9.67 | 0.0000044 | 0.000388 | 0.000149 | 0.000461 | 0.0374 |
| 2027 Feb | 50.7 | 0.0894 | 0.431 | 0.000403 | 10.2 | 0.0361 | 13.5 | 0.00000462 | 0.0047 | 0.00283 | 0.00626 | 0.0134 | 0.0000179 | 9.67 | 0.0000044 | 0.000388 | 0.000149 | 0.000461 | 0.0374 |
| 2027 Mar | 50.7 | 0.0894 | 0.431 | 0.000403 | 10.2 | 0.0362 | 13.5 | 0.00000463 | 0.0047 | 0.00283 | 0.00626 | 0.0134 | 0.0000179 | 9.67 | 0.0000044 | 0.000388 | 0.000149 | 0.000461 | 0.0374 |
| 2027 Apr | 50.8 | 0.0895 | 0.432 | 0.000404 | 10.2 | 0.0362 | 13.5 | 0.00000463 | 0.00471 | 0.00284 | 0.00626 | 0.0134 | 0.0000179 | 9.68 | 0.00000441 | 0.000388 | 0.000149 | 0.000462 | 0.0375 |
| 2027 May | 50.6 | 0.0895 | 0.43 | 0.000401 | 10.1 | 0.0361 | 13.5 | 0.00000463 | 0.0047 | 0.00284 | 0.00625 | 0.0134 | 0.0000178 | 9.66 | 0.00000441 | 0.000384 | 0.000148 | 0.000461 | 0.0373 |
| 2027 Jun | 43 | 0.073 | 0.336 | 0.000364 | 8.44 | 0.0323 | 11.6 | 0.00000408 | 0.00375 | 0.00236 | 0.00521 | 0.0115 | 0.0000143 | 8.15 | 0.00000383 | 0.000252 | 0.000117 | 0.000391 | 0.0286 |
| 2027 Jul | 54.3 | 0.0994 | 0.448 | 0.000523 | 10.6 | 0.0386 | 15.1 | 0.00000473 | 0.00497 | 0.00317 | 0.00612 | 0.0141 | 0.0000172 | 10.4 | 0.00000477 | 0.000298 | 0.000145 | 0.000497 | 0.038 |
| 2027 Aug | 54.8 | 0.103 | 0.456 | 0.000536 | 10.6 | 0.0388 | 15.4 | 0.00000479 | 0.0052 | 0.00327 | 0.00617 | 0.0142 | 0.0000173 | 10.5 | 0.00000486 | 0.000298 | 0.000147 | 0.000507 | 0.0389 |
| 2027 Sep | 47.6 | 0.0916 | 0.394 | 0.000446 | 9.15 | 0.0342 | 13.4 | 0.00000437 | 0.00481 | 0.0029 | 0.00551 | 0.0122 | 0.0000152 | 9.15 | 0.00000437 | 0.000249 | 0.000127 | 0.000451 | 0.034 |
| 2027 Oct | 43.5 | 0.0853 | 0.359 | 0.000377 | 8.22 | 0.0315 | 12.5 | 0.00000411 | 0.00452 | 0.00273 | 0.0051 | 0.011 | 0.0000138 | 8.37 | 0.00000418 | 0.000212 | 0.000113 | 0.000421 | 0.0306 |
| 2027 Nov | 45.7 | 0.0913 | 0.385 | 0.000435 | 8.6 | 0.0327 | 13.3 | 0.00000421 | 0.00471 | 0.00294 | 0.00525 | 0.0115 | 0.0000143 | 8.82 | 0.00000444 | 0.000219 | 0.000118 | 0.000442 | 0.0321 |
| 2027 Dec | 46.4 | 0.0932 | 0.393 | 0.000462 | 8.73 | 0.0331 | 13.6 | 0.00000424 | 0.00477 | 0.003 | 0.0053 | 0.0116 | 0.0000145 | 8.97 | 0.00000451 | 0.000221 | 0.000119 | 0.000449 | 0.0326 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 46.7 | 0.094 | 0.396 | 0.000475 | 8.78 | 0.0333 | 13.7 | 0.00000426 | 0.00479 | 0.00303 | 0.00532 | 0.0117 | 0.0000146 | 9.04 | 0.00000454 | 0.000223 | 0.00012 | 0.000451 | 0.0328 |
| 2028 Feb | 47 | 0.0947 | 0.399 | 0.000485 | 8.83 | 0.0334 | 13.8 | 0.00000427 | 0.00481 | 0.00305 | 0.00534 | 0.0118 | 0.0000146 | 9.09 | 0.00000457 | 0.000223 | 0.000121 | 0.000454 | 0.033 |
| 2028 Mar | 47.2 | 0.0953 | 0.402 | 0.000495 | 8.87 | 0.0335 | 13.8 | 0.00000428 | 0.00483 | 0.00307 | 0.00536 | 0.0118 | 0.0000147 | 9.14 | 0.00000459 | 0.000224 | 0.000121 | 0.000456 | 0.0332 |
| 2028 Apr | 47.4 | 0.0959 | 0.404 | 0.000504 | 8.91 | 0.0337 | 13.9 | 0.00000429 | 0.00485 | 0.0031 | 0.00538 | 0.0119 | 0.0000148 | 9.19 | 0.00000461 | 0.000225 | 0.000122 | 0.000458 | 0.0333 |
| 2028 May | 47.6 | 0.0963 | 0.406 | 0.000507 | 8.95 | 0.0338 | 14 | 0.00000431 | 0.00487 | 0.00311 | 0.0054 | 0.0119 | 0.0000148 | 9.22 | 0.00000463 | 0.000226 | 0.000122 | 0.00046 | 0.0335 |
| 2028 Jun | 40.9 | 0.0731 | 0.305 | 0.000523 | 7.85 | 0.0312 | 11.2 | 0.00000389 | 0.00378 | 0.00237 | 0.00471 | 0.0107 | 0.0000126 | 7.74 | 0.00000378 | 0.00017 | 0.000105 | 0.000383 | 0.0262 |
| 2028 Jul | 46.3 | 0.0785 | 0.341 | 0.000362 | 9.02 | 0.0349 | 12.5 | 0.00000427 | 0.00449 | 0.00262 | 0.00523 | 0.0122 | 0.0000142 | 8.78 | 0.00000412 | 0.000188 | 0.000121 | 0.000436 | 0.0313 |
| 2028 Aug | 47.8 | 0.0803 | 0.352 | 0.000361 | 9.31 | 0.0359 | 12.9 | 0.00000443 | 0.00475 | 0.0027 | 0.00541 | 0.0126 | 0.0000147 | 9.06 | 0.00000425 | 0.000195 | 0.000126 | 0.000452 | 0.0327 |
| 2028 Sep | 46.4 | 0.077 | 0.34 | 0.000347 | 9.05 | 0.0351 | 12.5 | 0.00000437 | 0.00474 | 0.00262 | 0.00532 | 0.0123 | 0.0000144 | 8.8 | 0.00000415 | 0.000189 | 0.000123 | 0.000443 | 0.0321 |
| 2028 Oct | 41 | 0.0651 | 0.292 | 0.000314 | 7.99 | 0.0316 | 10.9 | 0.00000407 | 0.00446 | 0.00227 | 0.00489 | 0.0108 | 0.000013 | 7.76 | 0.00000376 | 0.000166 | 0.000109 | 0.0004 | 0.0288 |
| 2028 Nov | 40.1 | 0.0627 | 0.283 | 0.000311 | 7.82 | 0.031 | 10.6 | 0.00000403 | 0.00443 | 0.00221 | 0.00482 | 0.0106 | 0.0000128 | 7.58 | 0.00000372 | 0.000162 | 0.000107 | 0.000393 | 0.0282 |
| 2028 Dec | 40.1 | 0.0626 | 0.282 | 0.000311 | 7.81 | 0.031 | 10.6 | 0.00000403 | 0.00442 | 0.0022 | 0.00481 | 0.0106 | 0.0000128 | 7.57 | 0.00000371 | 0.000161 | 0.000107 | 0.000393 | 0.0281 |
| 2029 Jan | 40 | 0.0626 | 0.282 | 0.000311 | 7.81 | 0.031 | 10.6 | 0.00000402 | 0.00442 | 0.0022 | 0.00481 | 0.0106 | 0.0000128 | 7.57 | 0.00000371 | 0.000161 | 0.000107 | 0.000393 | 0.0281 |
| 2029 Feb | 40 | 0.0625 | 0.282 | 0.000311 | 7.81 | 0.031 | 10.6 | 0.00000402 | 0.00442 | 0.0022 | 0.00481 | 0.0106 | 0.0000128 | 7.56 | 0.00000371 | 0.000161 | 0.000107 | 0.000393 | 0.0281 |
| 2029 Mar | 40 | 0.0625 | 0.282 | 0.000311 | 7.81 | 0.031 | 10.6 | 0.00000402 | 0.00442 | 0.0022 | 0.00481 | 0.0106 | 0.0000128 | 7.56 | 0.00000371 | 0.000161 | 0.000107 | 0.000393 | 0.0281 |
| 2029 Apr | 40.1 | 0.0626 | 0.282 | 0.000311 | 7.81 | 0.031 | 10.6 | 0.00000403 | 0.00442 | 0.0022 | 0.00481 | 0.0106 | 0.0000128 | 7.57 | 0.00000371 | 0.000161 | 0.000107 | 0.000393 | 0.0281 |
| 2029 May | 40.2 | 0.0627 | 0.283 | 0.000312 | 7.83 | 0.0311 | 10.7 | 0.00000404 | 0.00444 | 0.00221 | 0.00483 | 0.0106 | 0.0000128 | 7.59 | 0.00000373 | 0.000162 | 0.000107 | 0.000394 | 0.0282 |
| 2029 Jun | 32.9 | 0.0431 | 0.203 | 0.000295 | 6.48 | 0.0272 | 8.15 | 0.00000357 | 0.00343 | 0.00161 | 0.00413 | 0.00898 | 0.0000105 | 6.06 | 0.00000303 | 0.000121 | 0.0000876 | 0.000317 | 0.0209 |
| 2029 Jul | 27.2 | 0.0212 | 0.133 | 0.000284 | 5.47 | 0.0243 | 5.89 | 0.00000319 | 0.00247 | 0.00105 | 0.00352 | 0.00778 | 0.0000084 | 4.77 | 0.00000235 | 0.0000837 | 0.0000711 | 0.000249 | 0.0141 |
| 2029 Aug | 27.8 | 0.0199 | 0.139 | 0.000282 | 5.58 | 0.0245 | 6 | 0.00000326 | 0.0027 | 0.00108 | 0.00361 | 0.00788 | 0.0000086 | 4.87 | 0.0000024 | 0.0000859 | 0.0000734 | 0.000256 | 0.015 |
| 2029 Sep | 27 | 0.0181 | 0.137 | 0.000273 | 5.41 | 0.0236 | 5.81 | 0.00000323 | 0.00279 | 0.00105 | 0.00356 | 0.0076 | 0.00000846 | 4.73 | 0.00000235 | 0.0000839 | 0.0000712 | 0.000252 | 0.0151 |
| 2029 Oct | 26.8 | 0.0174 | 0.136 | 0.00027 | 5.35 | 0.0234 | 5.74 | 0.00000322 | 0.00284 | 0.00104 | 0.00355 | 0.00749 | 0.00000843 | 4.68 | 0.00000234 | 0.0000832 | 0.0000704 | 0.000251 | 0.0151 |
| 2029 Nov | 26.8 | 0.0174 | 0.136 | 0.00027 | 5.36 | 0.0234 | 5.75 | 0.00000323 | 0.00284 | 0.00104 | 0.00356 | 0.0075 | 0.00000844 | 4.68 | 0.00000234 | 0.0000833 | 0.0000705 | 0.000251 | 0.0151 |
| 2029 Dec | 26.8 | 0.0174 | 0.136 | 0.00027 | 5.36 | 0.0234 | 5.74 | 0.00000323 | 0.00284 | 0.00104 | 0.00356 | 0.0075 | 0.00000844 | 4.68 | 0.00000234 | 0.0000833 | 0.0000705 | 0.000251 | 0.0151 |
| 2030 Jan | 26.8 | 0.0174 | 0.136 | 0.00027 | 5.36 | 0.0234 | 5.74 | 0.00000323 | 0.00284 | 0.00104 | 0.00356 | 0.0075 | 0.00000844 | 4.68 | 0.00000234 | 0.0000833 | 0.0000705 | 0.000251 | 0.0151 |
| 2030 Feb | 26.8 | 0.0174 | 0.136 | 0.00027 | 5.36 | 0.0234 | 5.74 | 0.00000323 | 0.00284 | 0.00104 | 0.00356 | 0.0075 | 0.00000844 | 4.68 | 0.00000234 | 0.0000833 | 0.0000705 | 0.000251 | 0.0151 |
| 2030 Mar | 26.8 | 0.0174 | 0.136 | 0.00027 | 5.36 | 0.0234 | 5.74 | 0.00000323 | 0.00284 | 0.00104 | 0.00356 | 0.0075 | 0.00000844 | 4.68 | 0.00000234 | 0.0000833 | 0.0000705 | 0.000251 | 0.0151 |
| 2030 Apr | 26.8 | 0.0174 | 0.136 | 0.00027 | 5.36 | 0.0234 | 5.75 | 0.00000323 | 0.00285 | 0.00104 | 0.00356 | 0.0075 | 0.00000845 | 4.69 | 0.00000234 | 0.0000834 | 0.0000705 | 0.000251 | 0.0151 |
| 2030 May | 26.9 | 0.0175 | 0.137 | 0.000271 | 5.38 | 0.0235 | 5.77 | 0.00000325 | 0.00286 | 0.00104 | 0.00357 | 0.00754 | 0.00000848 | 4.71 | 0.00000235 | 0.0000837 | 0.0000708 | 0.000252 | 0.0152 |
| 2030 Jun | 23.9 | 0.0106 | 0.106 | 0.000255 | 4.81 | 0.0218 | 4.78 | 0.00000299 | 0.00228 | 0.000795 | 0.00323 | 0.00686 | 0.00000742 | 4.08 | 0.00000203 | 0.0000673 | 0.000061 | 0.000217 | 0.0118 |
| 2030 Jul | 24.5 | 0.00714 | 0.107 | 0.000252 | 4.96 | 0.0222 | 4.72 | 0.00000298 | 0.00217 | 0.000762 | 0.0032 | 0.00704 | 0.00000731 | 4.11 | 0.00000199 | 0.0000651 | 0.0000614 | 0.000215 | 0.0113 |
| 2030 Aug | 25.3 | 0.00582 | 0.115 | 0.000253 | 5.1 | 0.0223 | 4.86 | 0.00000304 | 0.00239 | 0.000797 | 0.00328 | 0.00717 | 0.00000751 | 4.24 | 0.00000204 | 0.0000678 | 0.000064 | 0.000222 | 0.0122 |
| 2030 Sep | 25.4 | 0.00529 | 0.118 | 0.000255 | 5.12 | 0.0223 | 4.89 | 0.00000307 | 0.0025 | 0.000805 | 0.0033 | 0.00716 | 0.00000758 | 4.26 | 0.00000206 | 0.0000685 | 0.0000643 | 0.000225 | 0.0126 |
| 2030 Oct | 24.8 | 0.00449 | 0.116 | 0.000252 | 5.01 | 0.0217 | 4.77 | 0.00000302 | 0.00262 | 0.000787 | 0.00325 | 0.00694 | 0.00000744 | 4.16 | 0.00000213 | 0.0000672 | 0.0000635 | 0.000225 | 0.0126 |
| 2030 Nov | 24.5 | 0.00389 | 0.115 | 0.000251 | 4.95 | 0.0214 | 4.69 | 0.00000298 | 0.00272 | 0.000774 | 0.00321 | 0.00678 | 0.00000735 | 4.1 | 0.00000221 | 0.0000662 | 0.0000633 | 0.000226 | 0.0126 |
| 2030 Dec | 24.5 | 0.00388 | 0.115 | 0.000252 | 4.95 | 0.0214 | 4.69 | 0.00000299 | 0.00273 | 0.000774 | 0.00321 | 0.00678 | 0.00000735 | 4.1 | 0.00000222 | 0.0000662 | 0.0000633 | 0.000226 | 0.0126 |
| 2031 Jan | 24.5 | 0.00387 | 0.115 | 0.000252 | 4.95 | 0.0214 | 4.69 | 0.00000299 | 0.00273 | 0.000774 | 0.00321 | 0.00678 | 0.00000735 | 4.1 | 0.00000222 | 0.0000662 | 0.0000633 | 0.000226 | 0.0126 |
| 2031 Feb | 24.5 | 0.00387 | 0.116 | 0.000252 | 4.95 | 0.0214 | 4.69 | 0.00000299 | 0.00273 | 0.000774 | 0.00321 | 0.00678 | 0.00000735 | 4.1 | 0.00000222 | 0.0000662 | 0.0000633 | 0.000226 | 0.0126 |
| 2031 Mar | 24.5 | 0.00387 | 0.116 | 0.000252 | 4.95 | 0.0214 | 4.69 | 0.00000299 | 0.00273 | 0.000774 | 0.00321 | 0.00678 | 0.00000735 | 4.1 | 0.00000222 | 0.0000662 | 0.0000633 | 0.000226 | 0.0126 |
| 2031 Apr | 24.5 | 0.00388 | 0.116 | 0.000252 | 4.96 | 0.0214 | 4.7 | 0.00000299 | 0.00273 | 0.000775 | 0.00322 | 0.00679 | 0.00000736 | 4.1 | 0.00000222 | 0.0000664 | 0.0000634 | 0.000227 | 0.0126 |
| 2031 May | 24.6 | 0.00379 | 0.115 | 0.000256 | 4.95 | 0.0215 | 4.7 | 0.00000301 | 0.00275 | 0.000771 | 0.00323 | 0.0068 | 0.00000739 | 4.1 | 0.00000225 | 0.0000663 | 0.0000632 | 0.000228 | 0.0126 |
| 2031 Jun | 22.7 | 0.00353 | 0.095 | 0.000276 | 4.38 | 0.0203 | 4.17 | 0.00000288 | 0.00232 | 0.00063 | 0.00306 | 0.00636 | 0.00000683 | 3.69 | 0.00000203 | 0.0000574 | 0.0000534 | 0.000207 | 0.0101 |
| 2031 Jul | 24.2 | 0.00378 | 0.101 | 0.000292 | 4.68 | 0.0215 | 4.42 | 0.00000302 | 0.00239 | 0.000665 | 0.0032 | 0.00678 | 0.00000716 | 3.92 | 0.0000021 | 0.0000604 | 0.0000563 | 0.000217 | 0.0106 |
| 2031 Aug | 25 | 0.00382 | 0.105 | 0.000301 | 4.86 | 0.0221 | 4.55 | 0.0000031 | 0.00247 | 0.000686 | 0.00329 | 0.00699 | 0.00000737 | 4.05 | 0.00000215 | 0.0000622 | 0.000058 | 0.000223 | 0.011 |
| 2031 Sep | 23.9 | 0.00334 | 0.101 | 0.000288 | 4.7 | 0.0208 | 4.3 | 0.00000297 | 0.00248 | 0.000652 | 0.00315 | 0.00661 | 0.00000704 | 3.87 | 0.000002 | 0.0000594 | 0.0000546 | 0.000213 | 0.0111 |
| 2031 Oct | 23.4 | 0.00305 | 0.0998 | 0.000278 | 4.64 | 0.0203 | 4.18 | 0.00000291 | 0.00258 | 0.000635 | 0.00309 | 0.00639 | 0.0000069 | 3.79 | 0.00000205 | 0.000058 | 0.0000539 | 0.000212 | 0.0112 |
| 2031 Nov | 23.5 | 0.00298 | 0.1 | 0.000275 | 4.65 | 0.0202 | 4.18 | 0.00000291 | 0.00262 | 0.000635 | 0.00308 | 0.00637 | 0.00000688 | 3.79 | 0.00000208 | 0.000058 | 0.0000541 | 0.000213 | 0.0112 |
| 2031 Dec | 23.5 | 0.00298 | 0.1 | 0.000275 | 4.65 | 0.0202 | 4.18 | 0.00000291 | 0.00262 | 0.000635 | 0.00308 | 0.00637 | 0.00000689 | 3.79 | 0.00000208 | 0.000058 | 0.0000542 | 0.000213 | 0.0112 |
| 2032 Jan | 23.5 | 0.00298 | 0.1 | 0.000275 | 4.65 | 0.0202 | 4.18 | 0.00000291 | 0.00262 | 0.000635 | 0.00308 | 0.00637 | 0.00000689 | 3.79 | 0.00000208 | 0.000058 | 0.0000542 | 0.000213 | 0.0112 |
| 2032 Feb | 23.5 | 0.00298 | 0.1 | 0.000275 | 4.65 | 0.0202 | 4.18 | 0.00000291 | 0.00262 | 0.000635 | 0.00308 | 0.00637 | 0.00000689 | 3.79 | 0.00000208 | 0.000058 | 0.0000542 | 0.000213 | 0.0112 |
| 2032 Mar | 23.5 | 0.00298 | 0.1 | 0.000275 | 4.65 | 0.0202 | 4.18 | 0.00000291 | 0.00262 | 0.000635 | 0.00308 | 0.00637 | 0.00000689 | 3.79 | 0.00000208 | 0.000058 | 0.0000542 | 0.000213 | 0.0112 |
| 2032 Apr | 23.5 | 0.00298 | 0.1 | 0.000275 | 4.66 | 0.0202 | 4.18 | 0.00000291 | 0.00262 | 0.000635 | 0.00309 | 0.00638 | 0.00000689 | 3.79 | 0.00000208 | 0.000058 | 0.0000542 | 0.000213 | 0.0112 |
| 2032 May | 23.6 | 0.00299 | 0.101 | 0.000276 | 4.67 | 0.0203 | 4.2 | 0.00000292 | 0.00263 | 0.000638 | 0.0031 | 0.0064 | 0.00000692 | 3.81 | 0.00000209 | 0.0000583 | 0.0000544 | 0.000214 | 0.0113 |
| 2032 Jun | 23.3 | 0.00361 | 0.0866 | 0.000256 | 4.73 | 0.0206 | 3.94 | 0.00000279 | 0.0021 | 0.000553 | 0.00294 | 0.00653 | 0.00000646 | 3.71 | 0.0000019 | 0.0000519 | 0.0000538 | 0.000197 | 0.00938 |
| 2032 Jul | 25.7 | 0.00378 | 0.0976 | 0.000248 | 5.26 | 0.0217 | 4.23 | 0.00000281 | 0.002 | 0.000591 | 0.00296 | 0.00713 | 0.00000655 | 4.04 | 0.00000184 | 0.000054 | 0.0000571 | 0.000202 | 0.00977 |
| 2032 Aug | 26.8 | 0.00355 | 0.106 | 0.000249 | 5.48 | 0.0221 | 4.42 | 0.00000289 | 0.00219 | 0.000628 | 0.00305 | 0.00736 | 0.00000677 | 4.21 | 0.00000189 | 0.0000569 | 0.0000595 | 0.000211 | 0.0107 |
| 2032 Sep | 27.1 | 0.00335 | 0.109 | 0.000248 | 5.53 | 0.0221 | 4.46 | 0.00000292 | 0.00231 | 0.00064 | 0.00308 | 0.00738 | 0.00000686 | 4.26 | 0.00000191 | 0.0000579 | 0.0000599 | 0.000214 | 0.0112 |
| 2032 Oct | 27.1 | 0.00323 | 0.11 | 0.000248 | 5.53 | 0.022 | 4.46 | 0.00000292 | 0.00238 | 0.000642 | 0.00309 | 0.00734 | 0.00000687 | 4.25 | 0.00000193 | 0.0000581 | 0.0000599 | 0.000215 | 0.0113 |
| 2032 Nov | 27.1 | 0.0032 | 0.11 | 0.000247 | 5.53 | 0.022 | 4.46 | 0.00000292 | 0.0024 | 0.000643 | 0.00309 | 0.00734 | 0.00000688 | 4.26 | 0.00000194 | 0.0000582 | 0.00006 | 0.000216 | 0.0114 |
| 2032 Dec | 27.1 | 0.0032 | 0.11 | 0.000248 | 5.54 | 0.022 | 4.46 | 0.00000292 | 0.0024 | 0.000643 | 0.00309 | 0.00734 | 0.00000688 | 4.26 | 0.00000194 | 0.0000582 | 0.00006 | 0.000216 | 0.0114 |
| 2033 Jan | 27.1 | 0.0032 | 0.11 | 0.000248 | 5.53 | 0.022 | 4.46 | 0.00000292 | 0.0024 | 0.000643 | 0.00309 | 0.00734 | 0.00000688 | 4.26 | 0.00000194 | 0.0000582 | 0.00006 | 0.000216 | 0.0114 |
| 2033 Feb | 27.1 | 0.0032 | 0.11 | 0.000248 | 5.53 | 0.022 | 4.46 | 0.00000292 | 0.0024 | 0.000643 | 0.00309 | 0.00734 | 0.00000688 | 4.26 | 0.00000194 | 0.0000582 | 0.00006 | 0.000216 | 0.0114 |
| 2033 Mar | 27.1 | 0.0032 | 0.11 | 0.000248 | 5.54 | 0.022 | 4.47 | 0.00000292 | 0.0024 | 0.000643 | 0.00309 | 0.00734 | 0.00000688 | 4.26 | 0.00000194 | 0.0000582 | 0.00006 | 0.000216 | 0.0114 |
| 2033 Apr | 27.2 | 0.00321 | 0.111 | 0.000248 | 5.54 | 0.022 | 4.47 | 0.00000293 | 0.0024 | 0.000644 | 0.0031 | 0.00735 | 0.00000689 | 4.26 | 0.00000195 | 0.0000583 | 0.0000601 | 0.000216 | 0.0114 |
| 2033 May | 25.8 | 0.00318 | 0.102 | 0.000249 | 5.16 | 0.0212 | 4.23 | 0.00000289 | 0.00235 | 0.000595 | 0.00304 | 0.007 | 0.00000672 | 4.03 | 0.0000019 | 0.0000554 | 0.000056 | 0.000209 | 0.0107 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 23 | 0.00363 | 0.0817 | 0.000272 | 4.37 | 0.0192 | 3.67 | 0.00000271 | 0.00199 | 0.000473 | 0.00283 | 0.00629 | 0.00000613 | 3.5 | 0.00000168 | 0.0000474 | 0.0000455 | 0.000187 | 0.00855 |
| 2033 Jul | 25 | 0.00381 | 0.0913 | 0.000288 | 4.81 | 0.0204 | 3.96 | 0.00000282 | 0.0021 | 0.000517 | 0.00295 | 0.00678 | 0.00000642 | 3.8 | 0.00000175 | 0.0000507 | 0.0000493 | 0.000198 | 0.00932 |
| 2033 Aug | 26.1 | 0.00384 | 0.0965 | 0.000298 | 5.05 | 0.0211 | 4.13 | 0.00000292 | 0.00223 | 0.000541 | 0.00305 | 0.00705 | 0.00000665 | 3.97 | 0.00000182 | 0.0000528 | 0.000052 | 0.000206 | 0.00992 |
| 2033 Sep | 25.4 | 0.00352 | 0.095 | 0.000289 | 4.97 | 0.0203 | 3.98 | 0.00000285 | 0.00232 | 0.000527 | 0.00298 | 0.00679 | 0.00000649 | 3.87 | 0.00000177 | 0.0000516 | 0.0000512 | 0.000202 | 0.0102 |
| 2033 Oct | 24.6 | 0.00311 | 0.0918 | 0.000283 | 4.89 | 0.0198 | 3.84 | 0.0000028 | 0.0025 | 0.000506 | 0.00292 | 0.0065 | 0.00000634 | 3.76 | 0.00000193 | 0.0000499 | 0.0000518 | 0.000203 | 0.0103 |
| 2033 Nov | 24.5 | 0.00289 | 0.0909 | 0.000283 | 4.89 | 0.0197 | 3.8 | 0.00000278 | 0.0026 | 0.0005 | 0.0029 | 0.00642 | 0.00000629 | 3.74 | 0.00000205 | 0.0000494 | 0.0000527 | 0.000206 | 0.0103 |
| 2033 Dec | 24.5 | 0.00288 | 0.091 | 0.000283 | 4.9 | 0.0197 | 3.8 | 0.00000278 | 0.00261 | 0.0005 | 0.0029 | 0.00642 | 0.0000063 | 3.74 | 0.00000205 | 0.0000494 | 0.0000528 | 0.000207 | 0.0103 |
| 2034 Jan | 24.5 | 0.00288 | 0.091 | 0.000283 | 4.9 | 0.0198 | 3.8 | 0.00000278 | 0.00261 | 0.0005 | 0.0029 | 0.00642 | 0.0000063 | 3.74 | 0.00000205 | 0.0000494 | 0.0000528 | 0.000207 | 0.0103 |
| 2034 Feb | 24.5 | 0.00288 | 0.091 | 0.000283 | 4.9 | 0.0198 | 3.8 | 0.00000278 | 0.00261 | 0.0005 | 0.0029 | 0.00642 | 0.0000063 | 3.74 | 0.00000205 | 0.0000494 | 0.0000528 | 0.000207 | 0.0103 |
| 2034 Mar | 24.5 | 0.00288 | 0.091 | 0.000283 | 4.9 | 0.0198 | 3.8 | 0.00000278 | 0.00261 | 0.0005 | 0.0029 | 0.00642 | 0.0000063 | 3.74 | 0.00000205 | 0.0000494 | 0.0000528 | 0.000207 | 0.0103 |
| 2034 Apr | 24.6 | 0.00289 | 0.0911 | 0.000283 | 4.9 | 0.0198 | 3.81 | 0.00000278 | 0.00261 | 0.000501 | 0.0029 | 0.00643 | 0.0000063 | 3.75 | 0.00000205 | 0.0000495 | 0.0000528 | 0.000207 | 0.0103 |
| 2034 May | 24.6 | 0.00291 | 0.0902 | 0.000286 | 4.89 | 0.0198 | 3.8 | 0.00000279 | 0.00261 | 0.000497 | 0.00291 | 0.00643 | 0.00000632 | 3.74 | 0.00000207 | 0.0000494 | 0.0000527 | 0.000207 | 0.0102 |
| 2034 Jun | 22.7 | 0.00358 | 0.0718 | 0.000295 | 4.38 | 0.0191 | 3.42 | 0.00000267 | 0.00202 | 0.000402 | 0.00276 | 0.00616 | 0.00000588 | 3.4 | 0.00000177 | 0.0000429 | 0.0000455 | 0.000185 | 0.00792 |
| 2034 Jul | 24.6 | 0.00385 | 0.0797 | 0.00031 | 4.81 | 0.0203 | 3.68 | 0.00000278 | 0.00207 | 0.000436 | 0.00288 | 0.00667 | 0.00000615 | 3.68 | 0.0000018 | 0.0000456 | 0.0000488 | 0.000194 | 0.00848 |
| 2034 Aug | 25.8 | 0.00399 | 0.0838 | 0.000324 | 5.05 | 0.0212 | 3.85 | 0.00000291 | 0.00217 | 0.000457 | 0.00301 | 0.00698 | 0.00000643 | 3.86 | 0.00000188 | 0.0000477 | 0.0000512 | 0.000202 | 0.00894 |
| 2034 Sep | 26 | 0.00394 | 0.0856 | 0.000323 | 5.11 | 0.0211 | 3.86 | 0.00000289 | 0.0022 | 0.000461 | 0.003 | 0.00699 | 0.00000641 | 3.89 | 0.00000185 | 0.0000479 | 0.0000513 | 0.000202 | 0.0092 |
| 2034 Oct | 25.4 | 0.00374 | 0.0848 | 0.000312 | 5.02 | 0.0203 | 3.75 | 0.00000281 | 0.00224 | 0.00045 | 0.00291 | 0.00674 | 0.00000623 | 3.79 | 0.00000182 | 0.0000467 | 0.0000502 | 0.000198 | 0.00936 |
| 2034 Nov | 25.4 | 0.0037 | 0.085 | 0.000312 | 5.03 | 0.0203 | 3.75 | 0.00000281 | 0.00227 | 0.00045 | 0.00291 | 0.00673 | 0.00000623 | 3.79 | 0.00000184 | 0.0000467 | 0.0000504 | 0.000199 | 0.00942 |
| 2034 Dec | 25.4 | 0.0037 | 0.085 | 0.000312 | 5.03 | 0.0203 | 3.75 | 0.00000281 | 0.00227 | 0.00045 | 0.00291 | 0.00673 | 0.00000623 | 3.8 | 0.00000184 | 0.0000467 | 0.0000504 | 0.000199 | 0.00942 |
| 2035 Jan | 25.4 | 0.0037 | 0.085 | 0.000312 | 5.03 | 0.0203 | 3.75 | 0.00000281 | 0.00227 | 0.00045 | 0.00291 | 0.00673 | 0.00000623 | 3.8 | 0.00000184 | 0.0000467 | 0.0000504 | 0.000199 | 0.00942 |
| 2035 Feb | 25.4 | 0.0037 | 0.085 | 0.000312 | 5.03 | 0.0203 | 3.75 | 0.00000281 | 0.00227 | 0.00045 | 0.00291 | 0.00673 | 0.00000623 | 3.8 | 0.00000184 | 0.0000467 | 0.0000504 | 0.000199 | 0.00942 |
| 2035 Mar | 25.4 | 0.0037 | 0.085 | 0.000312 | 5.04 | 0.0203 | 3.75 | 0.00000281 | 0.00227 | 0.000451 | 0.00291 | 0.00673 | 0.00000623 | 3.8 | 0.00000184 | 0.0000467 | 0.0000504 | 0.000199 | 0.00942 |
| 2035 Apr | 25.4 | 0.0037 | 0.0851 | 0.000312 | 5.04 | 0.0204 | 3.75 | 0.00000282 | 0.00227 | 0.000451 | 0.00292 | 0.00674 | 0.00000624 | 3.8 | 0.00000184 | 0.0000468 | 0.0000505 | 0.000199 | 0.00944 |
| 2035 May | 25.6 | 0.00373 | 0.0857 | 0.000314 | 5.08 | 0.0205 | 3.78 | 0.00000284 | 0.00229 | 0.000454 | 0.00294 | 0.00679 | 0.00000629 | 3.83 | 0.00000186 | 0.0000471 | 0.0000508 | 0.000201 | 0.00951 |
| 2035 Jun | 23.5 | 0.00395 | 0.068 | 0.000271 | 4.71 | 0.0198 | 3.37 | 0.00000266 | 0.00181 | 0.000373 | 0.00274 | 0.00645 | 0.00000578 | 3.5 | 0.00000163 | 0.0000407 | 0.0000474 | 0.000178 | 0.00761 |
| 2035 Jul | 25.7 | 0.00415 | 0.0763 | 0.000273 | 5.22 | 0.0211 | 3.65 | 0.00000277 | 0.00183 | 0.000404 | 0.00285 | 0.00703 | 0.00000602 | 3.82 | 0.00000167 | 0.0000431 | 0.0000512 | 0.000188 | 0.00812 |
| 2035 Aug | 26.8 | 0.00415 | 0.0808 | 0.000279 | 5.45 | 0.0218 | 3.79 | 0.00000286 | 0.00194 | 0.000422 | 0.00294 | 0.00729 | 0.00000623 | 3.98 | 0.00000172 | 0.0000449 | 0.0000531 | 0.000195 | 0.00862 |
| 2035 Sep | 26 | 0.00363 | 0.0816 | 0.000259 | 5.29 | 0.0205 | 3.65 | 0.00000277 | 0.00208 | 0.000413 | 0.00286 | 0.00692 | 0.00000605 | 3.85 | 0.00000166 | 0.000044 | 0.0000505 | 0.000191 | 0.00913 |
| 2035 Oct | 25.1 | 0.00334 | 0.0808 | 0.00025 | 5.12 | 0.0196 | 3.52 | 0.00000272 | 0.00223 | 0.000402 | 0.0028 | 0.00659 | 0.00000593 | 3.72 | 0.00000169 | 0.0000431 | 0.0000487 | 0.00019 | 0.00943 |
| 2035 Nov | 25.1 | 0.00319 | 0.081 | 0.000249 | 5.11 | 0.0195 | 3.5 | 0.0000027 | 0.00231 | 0.0004 | 0.00278 | 0.00651 | 0.0000059 | 3.71 | 0.00000176 | 0.000043 | 0.0000489 | 0.000192 | 0.00951 |
| 2035 Dec | 25.1 | 0.00319 | 0.0811 | 0.000249 | 5.11 | 0.0195 | 3.51 | 0.0000027 | 0.00232 | 0.0004 | 0.00279 | 0.00652 | 0.0000059 | 3.71 | 0.00000176 | 0.000043 | 0.000049 | 0.000192 | 0.00952 |
| 2036 Jan | 25.1 | 0.00319 | 0.0812 | 0.000249 | 5.11 | 0.0195 | 3.51 | 0.0000027 | 0.00232 | 0.0004 | 0.00279 | 0.00652 | 0.0000059 | 3.71 | 0.00000176 | 0.000043 | 0.000049 | 0.000192 | 0.00952 |
| 2036 Feb | 25.1 | 0.00319 | 0.0812 | 0.000249 | 5.11 | 0.0195 | 3.51 | 0.0000027 | 0.00232 | 0.0004 | 0.00279 | 0.00652 | 0.0000059 | 3.71 | 0.00000176 | 0.000043 | 0.000049 | 0.000192 | 0.00952 |
| 2036 Mar | 25.1 | 0.00318 | 0.0812 | 0.000249 | 5.11 | 0.0195 | 3.51 | 0.0000027 | 0.00232 | 0.0004 | 0.00279 | 0.00652 | 0.0000059 | 3.71 | 0.00000176 | 0.000043 | 0.000049 | 0.000192 | 0.00952 |
| 2036 Apr | 25.1 | 0.00319 | 0.0813 | 0.000249 | 5.12 | 0.0195 | 3.51 | 0.00000271 | 0.00232 | 0.000401 | 0.00279 | 0.00653 | 0.00000591 | 3.72 | 0.00000177 | 0.0000431 | 0.0000491 | 0.000192 | 0.00954 |
| 2036 May | 25.3 | 0.00321 | 0.0819 | 0.000251 | 5.16 | 0.0197 | 3.54 | 0.00000273 | 0.00234 | 0.000404 | 0.00281 | 0.00658 | 0.00000596 | 3.74 | 0.00000178 | 0.0000434 | 0.0000494 | 0.000194 | 0.00961 |
| 2036 Jun | 24.1 | 0.00368 | 0.0686 | 0.000253 | 4.95 | 0.0199 | 3.33 | 0.00000266 | 0.00193 | 0.000354 | 0.00272 | 0.00652 | 0.0000057 | 3.57 | 0.00000168 | 0.0000395 | 0.0000487 | 0.000181 | 0.00793 |
| 2036 Jul | 25.6 | 0.00394 | 0.0717 | 0.000258 | 5.27 | 0.0208 | 3.48 | 0.00000269 | 0.00179 | 0.000362 | 0.00275 | 0.00696 | 0.00000577 | 3.76 | 0.00000163 | 0.00004 | 0.0000509 | 0.000182 | 0.00781 |
| 2036 Aug | 26.7 | 0.00394 | 0.0762 | 0.000267 | 5.5 | 0.0214 | 3.61 | 0.00000278 | 0.0019 | 0.000379 | 0.00285 | 0.00722 | 0.00000597 | 3.92 | 0.00000168 | 0.0000417 | 0.0000529 | 0.000189 | 0.00831 |
| 2036 Sep | 26.8 | 0.00379 | 0.0782 | 0.000269 | 5.53 | 0.0213 | 3.63 | 0.00000279 | 0.00198 | 0.000382 | 0.00286 | 0.00722 | 0.000006 | 3.94 | 0.00000168 | 0.0000421 | 0.0000529 | 0.000191 | 0.00863 |
| 2036 Oct | 26 | 0.00346 | 0.0778 | 0.000267 | 5.33 | 0.0203 | 3.49 | 0.00000273 | 0.00212 | 0.000371 | 0.00279 | 0.00686 | 0.00000586 | 3.8 | 0.00000167 | 0.0000413 | 0.0000508 | 0.000188 | 0.00897 |
| 2036 Nov | 25.9 | 0.00341 | 0.078 | 0.000267 | 5.33 | 0.0202 | 3.49 | 0.00000273 | 0.00216 | 0.000371 | 0.00279 | 0.00683 | 0.00000586 | 3.8 | 0.00000169 | 0.0000413 | 0.0000508 | 0.000189 | 0.00903 |
| 2036 Dec | 25.9 | 0.00341 | 0.078 | 0.000267 | 5.33 | 0.0202 | 3.49 | 0.00000273 | 0.00216 | 0.000371 | 0.00279 | 0.00683 | 0.00000586 | 3.8 | 0.00000169 | 0.0000413 | 0.0000508 | 0.000189 | 0.00903 |
| 2037 Jan | 25.9 | 0.00341 | 0.078 | 0.000267 | 5.33 | 0.0202 | 3.49 | 0.00000273 | 0.00216 | 0.000371 | 0.00279 | 0.00683 | 0.00000586 | 3.8 | 0.00000169 | 0.0000413 | 0.0000508 | 0.000189 | 0.00903 |
| 2037 Feb | 25.9 | 0.00341 | 0.078 | 0.000267 | 5.33 | 0.0202 | 3.49 | 0.00000273 | 0.00216 | 0.000371 | 0.00279 | 0.00683 | 0.00000586 | 3.8 | 0.00000169 | 0.0000413 | 0.0000508 | 0.000189 | 0.00903 |
| 2037 Mar | 25.9 | 0.00341 | 0.078 | 0.000267 | 5.33 | 0.0202 | 3.49 | 0.00000273 | 0.00216 | 0.000371 | 0.00279 | 0.00683 | 0.00000586 | 3.8 | 0.00000169 | 0.0000413 | 0.0000508 | 0.000189 | 0.00903 |
| 2037 Apr | 26 | 0.00341 | 0.0781 | 0.000267 | 5.33 | 0.0202 | 3.49 | 0.00000273 | 0.00216 | 0.000371 | 0.0028 | 0.00684 | 0.00000587 | 3.8 | 0.00000169 | 0.0000413 | 0.0000508 | 0.000189 | 0.00904 |
| 2037 May | 25.1 | 0.00337 | 0.0745 | 0.000262 | 5.07 | 0.0197 | 3.39 | 0.00000271 | 0.00215 | 0.000354 | 0.00277 | 0.00662 | 0.0000058 | 3.66 | 0.00000168 | 0.0000403 | 0.0000483 | 0.000187 | 0.00869 |
| 2037 Jun | 23.8 | 0.00391 | 0.0666 | 0.000242 | 4.62 | 0.0187 | 3.18 | 0.00000256 | 0.00177 | 0.000307 | 0.00261 | 0.00634 | 0.00000541 | 3.41 | 0.00000148 | 0.0000367 | 0.0000416 | 0.000171 | 0.00715 |
| 2037 Jul | 27 | 0.0041 | 0.0797 | 0.000244 | 5.34 | 0.0202 | 3.53 | 0.00000265 | 0.00188 | 0.000348 | 0.00271 | 0.00706 | 0.00000566 | 3.84 | 0.00000154 | 0.0000396 | 0.0000466 | 0.000184 | 0.00809 |
| 2037 Aug | 28.1 | 0.00413 | 0.0837 | 0.00025 | 5.58 | 0.0208 | 3.66 | 0.00000274 | 0.00199 | 0.000363 | 0.0028 | 0.00732 | 0.00000585 | 4 | 0.00000159 | 0.0000411 | 0.0000488 | 0.000191 | 0.00857 |
| 2037 Sep | 28.6 | 0.00413 | 0.0857 | 0.000254 | 5.7 | 0.0212 | 3.72 | 0.00000279 | 0.00206 | 0.00037 | 0.00285 | 0.00746 | 0.00000596 | 4.08 | 0.00000162 | 0.000042 | 0.0000499 | 0.000195 | 0.00885 |
| 2037 Oct | 28.4 | 0.00398 | 0.0855 | 0.000252 | 5.69 | 0.021 | 3.69 | 0.00000278 | 0.00212 | 0.000368 | 0.00284 | 0.00738 | 0.00000593 | 4.05 | 0.00000164 | 0.0000418 | 0.0000501 | 0.000195 | 0.009 |
| 2037 Nov | 28.3 | 0.0039 | 0.0854 | 0.000251 | 5.68 | 0.0209 | 3.67 | 0.00000277 | 0.00215 | 0.000367 | 0.00284 | 0.00734 | 0.00000592 | 4.04 | 0.00000166 | 0.0000417 | 0.0000503 | 0.000196 | 0.00904 |
| 2037 Dec | 28.3 | 0.0039 | 0.0854 | 0.000251 | 5.68 | 0.0209 | 3.67 | 0.00000278 | 0.00215 | 0.000367 | 0.00284 | 0.00734 | 0.00000592 | 4.04 | 0.00000166 | 0.0000417 | 0.0000503 | 0.000196 | 0.00905 |
| 2038 Jan | 28.3 | 0.0039 | 0.0854 | 0.000251 | 5.68 | 0.0209 | 3.67 | 0.00000278 | 0.00215 | 0.000367 | 0.00284 | 0.00734 | 0.00000592 | 4.04 | 0.00000166 | 0.0000417 | 0.0000503 | 0.000196 | 0.00905 |
| 2038 Feb | 28.3 | 0.0039 | 0.0854 | 0.000251 | 5.68 | 0.0209 | 3.67 | 0.00000277 | 0.00215 | 0.000367 | 0.00284 | 0.00734 | 0.00000592 | 4.04 | 0.00000166 | 0.0000417 | 0.0000503 | 0.000196 | 0.00905 |
| 2038 Mar | 28.3 | 0.0039 | 0.0854 | 0.000251 | 5.68 | 0.0209 | 3.67 | 0.00000277 | 0.00215 | 0.000367 | 0.00284 | 0.00734 | 0.00000592 | 4.04 | 0.00000166 | 0.0000417 | 0.0000503 | 0.000196 | 0.00905 |
| 2038 Apr | 28.4 | 0.0039 | 0.0854 | 0.000252 | 5.69 | 0.0209 | 3.68 | 0.00000278 | 0.00215 | 0.000367 | 0.00284 | 0.00735 | 0.00000592 | 4.05 | 0.00000167 | 0.0000417 | 0.0000503 | 0.000196 | 0.00905 |
| 2038 May | 27.4 | 0.00384 | 0.0806 | 0.000252 | 5.45 | 0.0205 | 3.56 | 0.00000276 | 0.00212 | 0.000351 | 0.00282 | 0.00713 | 0.00000586 | 3.91 | 0.00000165 | 0.0000407 | 0.0000488 | 0.000192 | 0.00871 |
| 2038 Jun | 23.3 | 0.00381 | 0.061 | 0.000272 | 4.47 | 0.0186 | 3.06 | 0.00000261 | 0.00183 | 0.000279 | 0.00265 | 0.00622 | 0.00000545 | 3.31 | 0.00000151 | 0.0000355 | 0.0000407 | 0.000171 | 0.00694 |
| 2038 Jul | 25.3 | 0.00407 | 0.0677 | 0.000293 | 4.89 | 0.0199 | 3.31 | 0.00000276 | 0.00194 | 0.000303 | 0.0028 | 0.00673 | 0.00000577 | 3.6 | 0.00000159 | 0.000038 | 0.000044 | 0.000183 | 0.00752 |
| 2038 Aug | 26.6 | 0.00419 | 0.0718 | 0.000307 | 5.17 | 0.0208 | 3.46 | 0.00000288 | 0.00205 | 0.000319 | 0.00292 | 0.00706 | 0.00000603 | 3.78 | 0.00000166 | 0.0000398 | 0.0000464 | 0.000192 | 0.00801 |
| 2038 Sep | 26.8 | 0.00415 | 0.0729 | 0.000308 | 5.22 | 0.0208 | 3.47 | 0.00000287 | 0.00209 | 0.000321 | 0.00292 | 0.00707 | 0.00000603 | 3.8 | 0.00000165 | 0.0000399 | 0.0000466 | 0.000192 | 0.0082 |
| 2038 Oct | 26.1 | 0.00399 | 0.072 | 0.0003 | 5.14 | 0.0201 | 3.37 | 0.0000028 | 0.00211 | 0.000313 | 0.00284 | 0.00685 | 0.00000587 | 3.72 | 0.00000162 | 0.0000389 | 0.0000457 | 0.000188 | 0.0083 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 26.2 | 0.00398 | 0.0721 | 0.0003 | 5.15 | 0.0201 | 3.37 | 0.0000028 | 0.00211 | 0.000314 | 0.00284 | 0.00685 | 0.00000587 | 3.72 | 0.00000162 | 0.000039 | 0.0000458 | 0.000188 | 0.00833 |
| 2038 Dec | 26.2 | 0.00398 | 0.0721 | 0.0003 | 5.15 | 0.0201 | 3.37 | 0.0000028 | 0.00211 | 0.000314 | 0.00284 | 0.00685 | 0.00000587 | 3.72 | 0.00000162 | 0.000039 | 0.0000458 | 0.000188 | 0.00833 |
| 2039 Jan | 26.2 | 0.00398 | 0.0721 | 0.0003 | 5.15 | 0.0201 | 3.37 | 0.0000028 | 0.00211 | 0.000314 | 0.00284 | 0.00685 | 0.00000587 | 3.72 | 0.00000162 | 0.000039 | 0.0000458 | 0.000188 | 0.00833 |
| 2039 Feb | 26.2 | 0.00398 | 0.0721 | 0.0003 | 5.15 | 0.0201 | 3.37 | 0.0000028 | 0.00211 | 0.000314 | 0.00284 | 0.00685 | 0.00000587 | 3.72 | 0.00000162 | 0.000039 | 0.0000458 | 0.000188 | 0.00833 |
| 2039 Mar | 26.2 | 0.00398 | 0.0721 | 0.0003 | 5.15 | 0.0201 | 3.37 | 0.0000028 | 0.00211 | 0.000314 | 0.00284 | 0.00685 | 0.00000587 | 3.72 | 0.00000163 | 0.000039 | 0.0000458 | 0.000188 | 0.00833 |
| 2039 Apr | 26.2 | 0.00399 | 0.0722 | 0.0003 | 5.15 | 0.0201 | 3.38 | 0.0000028 | 0.00212 | 0.000314 | 0.00285 | 0.00686 | 0.00000588 | 3.72 | 0.00000163 | 0.000039 | 0.0000459 | 0.000188 | 0.00833 |
| 2039 May | 26.3 | 0.00401 | 0.0725 | 0.000302 | 5.17 | 0.0202 | 3.39 | 0.00000282 | 0.00213 | 0.000315 | 0.00286 | 0.00689 | 0.0000059 | 3.74 | 0.00000163 | 0.0000392 | 0.0000461 | 0.000189 | 0.00837 |
| 2039 Jun | 24.1 | 0.00417 | 0.058 | 0.000271 | 4.9 | 0.0197 | 3.09 | 0.00000264 | 0.0017 | 0.000274 | 0.00267 | 0.00656 | 0.00000548 | 3.47 | 0.00000149 | 0.0000348 | 0.0000457 | 0.00017 | 0.00692 |
| 2039 Jul | 26.1 | 0.00396 | 0.0662 | 0.000267 | 5.38 | 0.0205 | 3.27 | 0.00000265 | 0.00173 | 0.000291 | 0.00269 | 0.00702 | 0.00000552 | 3.73 | 0.00000149 | 0.0000358 | 0.0000493 | 0.000175 | 0.00744 |
| 2039 Aug | 27.4 | 0.00371 | 0.0728 | 0.000278 | 5.66 | 0.021 | 3.4 | 0.00000274 | 0.00194 | 0.000308 | 0.00278 | 0.00728 | 0.00000571 | 3.91 | 0.00000154 | 0.0000375 | 0.0000521 | 0.000184 | 0.00828 |
| 2039 Sep | 27.6 | 0.00361 | 0.0743 | 0.000282 | 5.69 | 0.021 | 3.42 | 0.00000277 | 0.00204 | 0.00031 | 0.00281 | 0.0073 | 0.00000578 | 3.94 | 0.00000156 | 0.000038 | 0.0000525 | 0.000186 | 0.00862 |
| 2039 Oct | 27.4 | 0.00351 | 0.0743 | 0.000281 | 5.64 | 0.0207 | 3.39 | 0.00000276 | 0.00208 | 0.000308 | 0.0028 | 0.00721 | 0.00000575 | 3.9 | 0.00000155 | 0.0000379 | 0.0000521 | 0.000186 | 0.00875 |
| 2039 Nov | 27.4 | 0.00352 | 0.0745 | 0.000281 | 5.65 | 0.0207 | 3.39 | 0.00000276 | 0.00209 | 0.000309 | 0.0028 | 0.00722 | 0.00000576 | 3.91 | 0.00000155 | 0.000038 | 0.0000522 | 0.000186 | 0.00876 |
| 2039 Dec | 27.4 | 0.00352 | 0.0745 | 0.000281 | 5.66 | 0.0207 | 3.39 | 0.00000276 | 0.00209 | 0.000309 | 0.0028 | 0.00722 | 0.00000576 | 3.91 | 0.00000155 | 0.000038 | 0.0000522 | 0.000186 | 0.00877 |
| 2040 Jan | 27.4 | 0.00352 | 0.0745 | 0.000281 | 5.66 | 0.0207 | 3.39 | 0.00000276 | 0.00209 | 0.000309 | 0.0028 | 0.00722 | 0.00000576 | 3.91 | 0.00000155 | 0.000038 | 0.0000522 | 0.000186 | 0.00877 |
| 2040 Feb | 27.4 | 0.00352 | 0.0745 | 0.000281 | 5.65 | 0.0207 | 3.39 | 0.00000276 | 0.00209 | 0.000309 | 0.0028 | 0.00722 | 0.00000576 | 3.91 | 0.00000155 | 0.000038 | 0.0000522 | 0.000186 | 0.00877 |
| 2040 Mar | 27.4 | 0.00352 | 0.0745 | 0.000281 | 5.66 | 0.0207 | 3.39 | 0.00000277 | 0.00209 | 0.000309 | 0.0028 | 0.00722 | 0.00000576 | 3.91 | 0.00000155 | 0.000038 | 0.0000522 | 0.000186 | 0.00877 |
| 2040 Apr | 27.4 | 0.00352 | 0.0745 | 0.000281 | 5.66 | 0.0208 | 3.4 | 0.00000277 | 0.00209 | 0.000309 | 0.0028 | 0.00723 | 0.00000577 | 3.91 | 0.00000155 | 0.000038 | 0.0000522 | 0.000186 | 0.00877 |
| 2040 May | 27.2 | 0.00351 | 0.0735 | 0.000281 | 5.58 | 0.0206 | 3.37 | 0.00000277 | 0.00209 | 0.000306 | 0.00281 | 0.00716 | 0.00000577 | 3.87 | 0.00000155 | 0.0000379 | 0.0000516 | 0.000186 | 0.00872 |
| 2040 Jun | 23.1 | 0.00372 | 0.056 | 0.000261 | 4.51 | 0.0185 | 2.92 | 0.00000258 | 0.00174 | 0.000245 | 0.00261 | 0.00621 | 0.00000533 | 3.27 | 0.00000141 | 0.0000333 | 0.0000411 | 0.000165 | 0.00672 |
| 2040 Jul | 25.5 | 0.00386 | 0.065 | 0.000269 | 5.06 | 0.0197 | 3.18 | 0.00000267 | 0.00182 | 0.000269 | 0.0027 | 0.00678 | 0.00000551 | 3.6 | 0.00000146 | 0.0000352 | 0.0000446 | 0.000175 | 0.00732 |
| 2040 Aug | 26.7 | 0.00377 | 0.0698 | 0.000272 | 5.32 | 0.0202 | 3.29 | 0.00000273 | 0.00194 | 0.000282 | 0.00276 | 0.00703 | 0.00000565 | 3.75 | 0.0000015 | 0.0000364 | 0.0000469 | 0.000181 | 0.00788 |
| 2040 Sep | 26.6 | 0.00339 | 0.0716 | 0.000264 | 5.35 | 0.0198 | 3.25 | 0.00000271 | 0.00207 | 0.000283 | 0.00274 | 0.00693 | 0.00000561 | 3.74 | 0.00000149 | 0.0000364 | 0.0000469 | 0.000181 | 0.00835 |
| 2040 Oct | 26.8 | 0.00339 | 0.0722 | 0.000265 | 5.39 | 0.0199 | 3.27 | 0.00000272 | 0.0021 | 0.000284 | 0.00276 | 0.00697 | 0.00000564 | 3.77 | 0.0000015 | 0.0000366 | 0.0000472 | 0.000183 | 0.00845 |
| 2040 Nov | 26.8 | 0.0034 | 0.0723 | 0.000265 | 5.39 | 0.02 | 3.27 | 0.00000273 | 0.0021 | 0.000285 | 0.00276 | 0.00698 | 0.00000565 | 3.77 | 0.00000151 | 0.0000366 | 0.0000472 | 0.000183 | 0.00846 |
| 2040 Dec | 26.8 | 0.0034 | 0.0723 | 0.000265 | 5.4 | 0.02 | 3.28 | 0.00000273 | 0.0021 | 0.000285 | 0.00276 | 0.00698 | 0.00000565 | 3.77 | 0.00000151 | 0.0000367 | 0.0000473 | 0.000183 | 0.00846 |
| 2041 Jan | 26.8 | 0.0034 | 0.0723 | 0.000266 | 5.4 | 0.02 | 3.28 | 0.00000273 | 0.0021 | 0.000285 | 0.00276 | 0.00698 | 0.00000565 | 3.77 | 0.00000151 | 0.0000367 | 0.0000473 | 0.000183 | 0.00847 |
| 2041 Feb | 26.8 | 0.0034 | 0.0723 | 0.000266 | 5.4 | 0.02 | 3.28 | 0.00000273 | 0.0021 | 0.000285 | 0.00276 | 0.00698 | 0.00000565 | 3.77 | 0.00000151 | 0.0000367 | 0.0000473 | 0.000183 | 0.00847 |
| 2041 Mar | 26.8 | 0.0034 | 0.0723 | 0.000266 | 5.4 | 0.02 | 3.28 | 0.00000273 | 0.0021 | 0.000285 | 0.00276 | 0.00698 | 0.00000565 | 3.78 | 0.00000151 | 0.0000367 | 0.0000473 | 0.000183 | 0.00847 |
| 2041 Apr | 26.8 | 0.0034 | 0.0723 | 0.000266 | 5.4 | 0.02 | 3.28 | 0.00000273 | 0.0021 | 0.000285 | 0.00276 | 0.00698 | 0.00000565 | 3.78 | 0.00000151 | 0.0000367 | 0.0000473 | 0.000183 | 0.00847 |
| 2041 May | 27 | 0.0034 | 0.0727 | 0.000267 | 5.43 | 0.0201 | 3.29 | 0.00000275 | 0.00212 | 0.000286 | 0.00278 | 0.00701 | 0.00000569 | 3.79 | 0.00000152 | 0.0000369 | 0.0000475 | 0.000184 | 0.00854 |
| 2041 Jun | 24.9 | 0.00369 | 0.0608 | 0.000253 | 5.09 | 0.0197 | 3.07 | 0.00000265 | 0.00182 | 0.000259 | 0.00267 | 0.00668 | 0.00000545 | 3.55 | 0.00000144 | 0.0000342 | 0.0000461 | 0.000171 | 0.00737 |
| 2041 Jul | 25.6 | 0.00389 | 0.0613 | 0.000243 | 5.3 | 0.0202 | 3.13 | 0.00000263 | 0.00168 | 0.00026 | 0.00265 | 0.00692 | 0.00000541 | 3.65 | 0.00000143 | 0.0000338 | 0.0000479 | 0.000171 | 0.0071 |
| 2041 Aug | 26.5 | 0.00333 | 0.0683 | 0.000241 | 5.49 | 0.0201 | 3.19 | 0.00000266 | 0.00196 | 0.00027 | 0.00268 | 0.00701 | 0.00000547 | 3.75 | 0.00000146 | 0.0000349 | 0.0000499 | 0.000177 | 0.00813 |
| 2041 Sep | 26.6 | 0.00312 | 0.07 | 0.000242 | 5.5 | 0.0199 | 3.18 | 0.00000267 | 0.00207 | 0.000271 | 0.00269 | 0.00696 | 0.0000055 | 3.76 | 0.00000146 | 0.0000352 | 0.0000498 | 0.000178 | 0.0085 |
| 2041 Oct | 26.1 | 0.00295 | 0.07 | 0.00024 | 5.37 | 0.0192 | 3.1 | 0.00000263 | 0.00216 | 0.000266 | 0.00266 | 0.00673 | 0.00000542 | 3.67 | 0.00000145 | 0.0000348 | 0.0000481 | 0.000177 | 0.00876 |
| 2041 Nov | 26.1 | 0.00295 | 0.0703 | 0.000241 | 5.39 | 0.0192 | 3.11 | 0.00000264 | 0.00217 | 0.000266 | 0.00267 | 0.00675 | 0.00000544 | 3.68 | 0.00000145 | 0.0000349 | 0.0000482 | 0.000177 | 0.00881 |
| 2041 Dec | 26.1 | 0.00295 | 0.0703 | 0.000241 | 5.39 | 0.0192 | 3.11 | 0.00000264 | 0.00217 | 0.000266 | 0.00267 | 0.00675 | 0.00000544 | 3.68 | 0.00000145 | 0.0000349 | 0.0000482 | 0.000177 | 0.00881 |
| 2042 Jan | 26.1 | 0.00295 | 0.0703 | 0.000241 | 5.39 | 0.0192 | 3.11 | 0.00000264 | 0.00217 | 0.000266 | 0.00267 | 0.00675 | 0.00000544 | 3.68 | 0.00000145 | 0.0000349 | 0.0000482 | 0.000177 | 0.00881 |
| 2042 Feb | 26.1 | 0.00295 | 0.0703 | 0.000241 | 5.39 | 0.0192 | 3.11 | 0.00000264 | 0.00217 | 0.000266 | 0.00267 | 0.00675 | 0.00000544 | 3.68 | 0.00000145 | 0.0000349 | 0.0000482 | 0.000177 | 0.00881 |
| 2042 Mar | 26.1 | 0.00295 | 0.0703 | 0.000241 | 5.39 | 0.0192 | 3.11 | 0.00000264 | 0.00217 | 0.000266 | 0.00267 | 0.00675 | 0.00000544 | 3.68 | 0.00000145 | 0.0000349 | 0.0000482 | 0.000178 | 0.00881 |
| 2042 Apr | 26.2 | 0.00296 | 0.0704 | 0.000242 | 5.39 | 0.0192 | 3.11 | 0.00000264 | 0.00218 | 0.000267 | 0.00267 | 0.00676 | 0.00000545 | 3.69 | 0.00000146 | 0.000035 | 0.0000482 | 0.000178 | 0.00882 |
| 2042 May | 26.4 | 0.00299 | 0.0711 | 0.000245 | 5.43 | 0.0194 | 3.14 | 0.00000267 | 0.0022 | 0.000269 | 0.0027 | 0.00681 | 0.0000055 | 3.72 | 0.00000147 | 0.0000353 | 0.0000485 | 0.000179 | 0.00891 |
| 2042 Jun | 24.5 | 0.00362 | 0.0586 | 0.00025 | 5.05 | 0.0193 | 2.97 | 0.0000026 | 0.0018 | 0.000243 | 0.00262 | 0.00656 | 0.00000532 | 3.48 | 0.00000141 | 0.0000328 | 0.0000459 | 0.000168 | 0.00732 |
| 2042 Jul | 26.3 | 0.00376 | 0.0643 | 0.000261 | 5.43 | 0.0201 | 3.14 | 0.0000026 | 0.00174 | 0.000254 | 0.00262 | 0.00698 | 0.00000533 | 3.7 | 0.00000142 | 0.0000334 | 0.0000482 | 0.000171 | 0.00736 |
| 2042 Aug | 26.7 | 0.00296 | 0.0706 | 0.00027 | 5.52 | 0.0195 | 3.12 | 0.00000261 | 0.00208 | 0.000259 | 0.00263 | 0.00693 | 0.00000535 | 3.74 | 0.00000143 | 0.0000341 | 0.0000496 | 0.000176 | 0.00851 |
| 2042 Sep | 26.3 | 0.00266 | 0.0712 | 0.000267 | 5.43 | 0.0189 | 3.06 | 0.0000026 | 0.00222 | 0.000255 | 0.00262 | 0.00674 | 0.00000533 | 3.68 | 0.00000142 | 0.000034 | 0.0000482 | 0.000176 | 0.00891 |
| 2042 Oct | 24.8 | 0.00256 | 0.0676 | 0.000252 | 5.09 | 0.0178 | 2.89 | 0.00000254 | 0.00234 | 0.00024 | 0.00256 | 0.00621 | 0.0000052 | 3.47 | 0.00000148 | 0.000033 | 0.0000446 | 0.000174 | 0.00899 |
| 2042 Nov | 24.9 | 0.00255 | 0.068 | 0.000252 | 5.11 | 0.0178 | 2.9 | 0.00000255 | 0.00236 | 0.000241 | 0.00257 | 0.00623 | 0.00000521 | 3.48 | 0.0000015 | 0.0000331 | 0.0000448 | 0.000175 | 0.00904 |
| 2042 Dec | 24.9 | 0.00255 | 0.0681 | 0.000252 | 5.11 | 0.0178 | 2.9 | 0.00000255 | 0.00236 | 0.000241 | 0.00257 | 0.00623 | 0.00000521 | 3.48 | 0.0000015 | 0.0000331 | 0.0000448 | 0.000175 | 0.00904 |
| 2043 Jan | 24.9 | 0.00255 | 0.0681 | 0.000252 | 5.11 | 0.0178 | 2.9 | 0.00000255 | 0.00236 | 0.000241 | 0.00257 | 0.00623 | 0.00000521 | 3.48 | 0.0000015 | 0.0000331 | 0.0000448 | 0.000175 | 0.00904 |
| 2043 Feb | 24.9 | 0.00255 | 0.0681 | 0.000252 | 5.11 | 0.0178 | 2.9 | 0.00000255 | 0.00236 | 0.000241 | 0.00257 | 0.00623 | 0.00000521 | 3.48 | 0.0000015 | 0.0000331 | 0.0000448 | 0.000175 | 0.00904 |
| 2043 Mar | 24.9 | 0.00255 | 0.0681 | 0.000252 | 5.11 | 0.0178 | 2.9 | 0.00000255 | 0.00236 | 0.000241 | 0.00257 | 0.00623 | 0.00000522 | 3.48 | 0.0000015 | 0.0000331 | 0.0000448 | 0.000175 | 0.00904 |
| 2043 Apr | 24.9 | 0.00255 | 0.0682 | 0.000253 | 5.12 | 0.0179 | 2.91 | 0.00000255 | 0.00237 | 0.000242 | 0.00257 | 0.00624 | 0.00000522 | 3.49 | 0.00000151 | 0.0000331 | 0.0000449 | 0.000175 | 0.00905 |
| 2043 May | 25 | 0.00261 | 0.0681 | 0.000255 | 5.12 | 0.018 | 2.92 | 0.00000257 | 0.00237 | 0.000242 | 0.00259 | 0.00627 | 0.00000526 | 3.5 | 0.00000153 | 0.0000333 | 0.0000448 | 0.000177 | 0.00901 |
| 2043 Jun | 23.4 | 0.00366 | 0.0555 | 0.000254 | 4.56 | 0.0181 | 2.83 | 0.00000252 | 0.0018 | 0.000215 | 0.00254 | 0.00614 | 0.00000514 | 3.25 | 0.00000143 | 0.0000312 | 0.0000393 | 0.000165 | 0.00661 |
| 2043 Jul | 26 | 0.00396 | 0.0639 | 0.000266 | 5.13 | 0.0196 | 3.1 | 0.00000264 | 0.00186 | 0.000237 | 0.00266 | 0.00678 | 0.00000539 | 3.6 | 0.00000148 | 0.0000333 | 0.0000431 | 0.000176 | 0.00718 |
| 2043 Aug | 26.7 | 0.0037 | 0.0676 | 0.000267 | 5.34 | 0.0197 | 3.15 | 0.00000267 | 0.00199 | 0.000244 | 0.00269 | 0.00691 | 0.00000544 | 3.7 | 0.00000149 | 0.0000339 | 0.0000444 | 0.000179 | 0.00777 |
| 2043 Sep | 26 | 0.00316 | 0.0673 | 0.000262 | 5.26 | 0.0189 | 3.03 | 0.00000262 | 0.00212 | 0.000239 | 0.00264 | 0.00665 | 0.00000534 | 3.61 | 0.00000145 | 0.0000333 | 0.0000432 | 0.000176 | 0.00823 |
| 2043 Oct | 25.9 | 0.0031 | 0.0675 | 0.000263 | 5.25 | 0.0188 | 3.02 | 0.00000262 | 0.00216 | 0.000239 | 0.00264 | 0.00661 | 0.00000534 | 3.6 | 0.00000144 | 0.0000333 | 0.000043 | 0.000176 | 0.00836 |
| 2043 Nov | 26 | 0.00311 | 0.0677 | 0.000264 | 5.26 | 0.0189 | 3.03 | 0.00000263 | 0.00216 | 0.000239 | 0.00264 | 0.00663 | 0.00000535 | 3.61 | 0.00000145 | 0.0000334 | 0.0000431 | 0.000176 | 0.00838 |
| 2043 Dec | 26 | 0.00311 | 0.0677 | 0.000264 | 5.27 | 0.0189 | 3.03 | 0.00000263 | 0.00217 | 0.000239 | 0.00265 | 0.00663 | 0.00000536 | 3.61 | 0.00000145 | 0.0000334 | 0.0000431 | 0.000176 | 0.00839 |
| 2044 Jan | 26 | 0.00311 | 0.0677 | 0.000264 | 5.27 | 0.0189 | 3.03 | 0.00000263 | 0.00217 | 0.000239 | 0.00265 | 0.00663 | 0.00000536 | 3.62 | 0.00000145 | 0.0000335 | 0.0000431 | 0.000176 | 0.00839 |
| 2044 Feb | 26 | 0.00311 | 0.0677 | 0.000264 | 5.27 | 0.0189 | 3.03 | 0.00000263 | 0.00217 | 0.000239 | 0.00265 | 0.00663 | 0.00000536 | 3.62 | 0.00000145 | 0.0000335 | 0.0000432 | 0.000176 | 0.00839 |
| 2044 Mar | 26 | 0.00311 | 0.0677 | 0.000264 | 5.27 | 0.0189 | 3.03 | 0.00000263 | 0.00217 | 0.000239 | 0.00265 | 0.00663 | 0.00000536 | 3.62 | 0.00000145 | 0.0000335 | 0.0000432 | 0.000176 | 0.00839 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 26 | 0.00311 | 0.0678 | 0.000265 | 5.27 | 0.0189 | 3.03 | 0.00000263 | 0.00217 | 0.00024 | 0.00265 | 0.00664 | 0.00000536 | 3.62 | 0.00000145 | 0.0000335 | 0.0000432 | 0.000176 | 0.0084 |
| 2044 May | 26.2 | 0.00313 | 0.0682 | 0.000267 | 5.3 | 0.019 | 3.05 | 0.00000265 | 0.00218 | 0.000241 | 0.00267 | 0.00668 | 0.0000054 | 3.64 | 0.00000146 | 0.0000337 | 0.0000434 | 0.000178 | 0.00846 |
| 2044 Jun | 23.8 | 0.00366 | 0.054 | 0.000259 | 4.82 | 0.0187 | 2.84 | 0.00000253 | 0.00169 | 0.000215 | 0.00254 | 0.00635 | 0.00000513 | 3.34 | 0.00000136 | 0.0000308 | 0.0000418 | 0.000161 | 0.00664 |
| 2044 Jul | 26.4 | 0.00391 | 0.0621 | 0.000274 | 5.41 | 0.0202 | 3.11 | 0.00000263 | 0.0017 | 0.000235 | 0.00264 | 0.00701 | 0.00000534 | 3.69 | 0.00000142 | 0.0000325 | 0.000046 | 0.000172 | 0.00704 |
| 2044 Aug | 27.6 | 0.00396 | 0.0655 | 0.000286 | 5.65 | 0.021 | 3.23 | 0.00000273 | 0.00181 | 0.000245 | 0.00275 | 0.00729 | 0.00000554 | 3.85 | 0.00000147 | 0.0000339 | 0.0000481 | 0.000179 | 0.00747 |
| 2044 Sep | 26.7 | 0.00352 | 0.0652 | 0.000282 | 5.49 | 0.02 | 3.1 | 0.00000266 | 0.00192 | 0.000238 | 0.00267 | 0.00697 | 0.0000054 | 3.73 | 0.00000143 | 0.0000331 | 0.0000463 | 0.000175 | 0.00779 |
| 2044 Oct | 25.7 | 0.00325 | 0.0637 | 0.000275 | 5.28 | 0.0191 | 2.98 | 0.00000261 | 0.00205 | 0.000229 | 0.00262 | 0.00662 | 0.00000529 | 3.59 | 0.00000147 | 0.0000324 | 0.0000448 | 0.000174 | 0.00799 |
| 2044 Nov | 25.6 | 0.00316 | 0.0636 | 0.000274 | 5.26 | 0.019 | 2.97 | 0.0000026 | 0.0021 | 0.000228 | 0.00261 | 0.00656 | 0.00000528 | 3.57 | 0.00000152 | 0.0000323 | 0.0000449 | 0.000175 | 0.00805 |
| 2044 Dec | 25.6 | 0.00316 | 0.0637 | 0.000274 | 5.26 | 0.019 | 2.97 | 0.0000026 | 0.0021 | 0.000229 | 0.00261 | 0.00656 | 0.00000528 | 3.57 | 0.00000152 | 0.0000324 | 0.0000449 | 0.000175 | 0.00805 |
| 2045 Jan | 25.6 | 0.00316 | 0.0637 | 0.000274 | 5.26 | 0.019 | 2.97 | 0.0000026 | 0.0021 | 0.000228 | 0.00261 | 0.00656 | 0.00000528 | 3.57 | 0.00000152 | 0.0000324 | 0.0000449 | 0.000175 | 0.00805 |
| 2045 Feb | 25.6 | 0.00315 | 0.0637 | 0.000274 | 5.26 | 0.019 | 2.97 | 0.0000026 | 0.0021 | 0.000228 | 0.00261 | 0.00656 | 0.00000528 | 3.57 | 0.00000152 | 0.0000324 | 0.0000449 | 0.000175 | 0.00805 |
| 2045 Mar | 25.6 | 0.00316 | 0.0637 | 0.000274 | 5.26 | 0.019 | 2.97 | 0.0000026 | 0.0021 | 0.000229 | 0.00261 | 0.00656 | 0.00000528 | 3.57 | 0.00000152 | 0.0000324 | 0.0000449 | 0.000175 | 0.00805 |
| 2045 Apr | 25.6 | 0.00316 | 0.0637 | 0.000274 | 5.26 | 0.019 | 2.97 | 0.0000026 | 0.0021 | 0.000229 | 0.00262 | 0.00657 | 0.00000528 | 3.57 | 0.00000152 | 0.0000324 | 0.000045 | 0.000175 | 0.00806 |
| 2045 May | 25.7 | 0.00317 | 0.064 | 0.000275 | 5.29 | 0.0191 | 2.99 | 0.00000262 | 0.00211 | 0.00023 | 0.00263 | 0.0066 | 0.00000531 | 3.59 | 0.00000153 | 0.0000325 | 0.0000452 | 0.000176 | 0.0081 |
| 2045 Jun | 24.4 | 0.00362 | 0.0549 | 0.000262 | 5.06 | 0.0193 | 2.89 | 0.00000257 | 0.00182 | 0.000217 | 0.00258 | 0.00649 | 0.00000521 | 3.45 | 0.00000151 | 0.0000311 | 0.0000454 | 0.000168 | 0.00695 |
| 2045 Jul | 25.5 | 0.00401 | 0.0556 | 0.000267 | 5.3 | 0.0205 | 3.03 | 0.00000267 | 0.00175 | 0.000226 | 0.00268 | 0.00687 | 0.0000054 | 3.61 | 0.00000154 | 0.0000321 | 0.0000479 | 0.000173 | 0.00683 |
| 2045 Aug | 26.6 | 0.00415 | 0.0583 | 0.000278 | 5.54 | 0.0213 | 3.16 | 0.00000279 | 0.00183 | 0.000235 | 0.0028 | 0.00717 | 0.00000564 | 3.77 | 0.00000161 | 0.0000335 | 0.00005 | 0.000181 | 0.00717 |
| 2045 Sep | 26.8 | 0.00411 | 0.0593 | 0.000277 | 5.57 | 0.0213 | 3.17 | 0.0000028 | 0.00187 | 0.000237 | 0.00281 | 0.00719 | 0.00000566 | 3.79 | 0.0000016 | 0.0000337 | 0.00005 | 0.000182 | 0.00731 |
| 2045 Oct | 26.8 | 0.0041 | 0.0595 | 0.000276 | 5.57 | 0.0213 | 3.17 | 0.0000028 | 0.00187 | 0.000237 | 0.00281 | 0.00718 | 0.00000566 | 3.79 | 0.0000016 | 0.0000337 | 0.0000499 | 0.000182 | 0.00735 |
| 2045 Nov | 26.9 | 0.0041 | 0.0595 | 0.000277 | 5.58 | 0.0213 | 3.17 | 0.0000028 | 0.00188 | 0.000237 | 0.00281 | 0.00719 | 0.00000566 | 3.79 | 0.0000016 | 0.0000337 | 0.00005 | 0.000182 | 0.00735 |
| 2045 Dec | 26.9 | 0.0041 | 0.0595 | 0.000277 | 5.58 | 0.0213 | 3.17 | 0.0000028 | 0.00188 | 0.000237 | 0.00281 | 0.00719 | 0.00000566 | 3.79 | 0.0000016 | 0.0000337 | 0.00005 | 0.000182 | 0.00735 |
| 2046 Jan | 26.9 | 0.0041 | 0.0595 | 0.000277 | 5.58 | 0.0213 | 3.17 | 0.0000028 | 0.00188 | 0.000237 | 0.00281 | 0.00719 | 0.00000566 | 3.79 | 0.0000016 | 0.0000337 | 0.00005 | 0.000182 | 0.00735 |
| 2046 Feb | 26.9 | 0.0041 | 0.0595 | 0.000277 | 5.58 | 0.0213 | 3.17 | 0.0000028 | 0.00188 | 0.000237 | 0.00281 | 0.00719 | 0.00000566 | 3.79 | 0.0000016 | 0.0000337 | 0.00005 | 0.000182 | 0.00735 |
| 2046 Mar | 26.9 | 0.0041 | 0.0596 | 0.000277 | 5.58 | 0.0213 | 3.18 | 0.0000028 | 0.00188 | 0.000237 | 0.00281 | 0.00719 | 0.00000567 | 3.79 | 0.0000016 | 0.0000337 | 0.00005 | 0.000182 | 0.00736 |
| 2046 Apr | 26.9 | 0.00411 | 0.0596 | 0.000277 | 5.59 | 0.0214 | 3.18 | 0.00000281 | 0.00188 | 0.000237 | 0.00282 | 0.0072 | 0.00000567 | 3.8 | 0.0000016 | 0.0000338 | 0.0000501 | 0.000182 | 0.00737 |
| 2046 May | 27.1 | 0.00413 | 0.06 | 0.000279 | 5.62 | 0.0215 | 3.2 | 0.00000282 | 0.00189 | 0.000239 | 0.00283 | 0.00724 | 0.0000057 | 3.82 | 0.00000161 | 0.000034 | 0.0000503 | 0.000183 | 0.00741 |
| 2046 Jun | 32.3 | 0.00361 | 0.0862 | 0.000233 | 6.66 | 0.0221 | 3.78 | 0.00000267 | 0.0021 | 0.000592 | 0.00268 | 0.00815 | 0.00000543 | 4.46 | 0.00000156 | 0.0000359 | 0.0000531 | 0.0002 | 0.00903 |
| 2046 Jul | 44.7 | 0.00253 | 0.142 | 0.000216 | 9.1 | 0.0255 | 5.3 | 0.00000274 | 0.00307 | 0.0015 | 0.00276 | 0.0104 | 0.00000569 | 6.05 | 0.00000179 | 0.0000448 | 0.0000654 | 0.000262 | 0.0138 |
| 2046 Aug | 45.2 | 0.00234 | 0.143 | 0.00023 | 9.19 | 0.0258 | 5.43 | 0.00000281 | 0.00327 | 0.00165 | 0.00283 | 0.0106 | 0.00000584 | 6.14 | 0.00000186 | 0.0000461 | 0.0000673 | 0.00027 | 0.0145 |
| 2046 Sep | 40.9 | 0.00187 | 0.128 | 0.000255 | 8.24 | 0.0238 | 5.1 | 0.00000273 | 0.00342 | 0.00183 | 0.00275 | 0.00951 | 0.00000567 | 5.61 | 0.00000183 | 0.0000446 | 0.0000628 | 0.000262 | 0.0144 |
| 2046 Oct | 39.4 | 0.00184 | 0.122 | 0.000291 | 7.86 | 0.0232 | 5.13 | 0.00000271 | 0.0036 | 0.00212 | 0.00273 | 0.00912 | 0.00000565 | 5.45 | 0.00000187 | 0.000045 | 0.0000615 | 0.000267 | 0.0147 |
| 2046 Nov | 39.7 | 0.00183 | 0.123 | 0.000297 | 7.91 | 0.0234 | 5.19 | 0.00000272 | 0.00365 | 0.00218 | 0.00274 | 0.00917 | 0.00000567 | 5.49 | 0.00000189 | 0.0000453 | 0.0000619 | 0.00027 | 0.0149 |
| 2046 Dec | 39.7 | 0.00183 | 0.123 | 0.000298 | 7.92 | 0.0234 | 5.2 | 0.00000272 | 0.00365 | 0.00219 | 0.00274 | 0.00918 | 0.00000567 | 5.5 | 0.0000019 | 0.0000454 | 0.000062 | 0.00027 | 0.0149 |
| 2047 Jan | 39.7 | 0.00183 | 0.124 | 0.000298 | 7.92 | 0.0234 | 5.2 | 0.00000272 | 0.00365 | 0.00219 | 0.00274 | 0.00918 | 0.00000567 | 5.5 | 0.0000019 | 0.0000454 | 0.000062 | 0.00027 | 0.0149 |
| 2047 Feb | 39.7 | 0.00183 | 0.124 | 0.000298 | 7.92 | 0.0234 | 5.2 | 0.00000272 | 0.00365 | 0.00219 | 0.00274 | 0.00918 | 0.00000567 | 5.5 | 0.0000019 | 0.0000454 | 0.000062 | 0.00027 | 0.0149 |
| 2047 Mar | 39.8 | 0.00183 | 0.124 | 0.000298 | 7.92 | 0.0234 | 5.2 | 0.00000272 | 0.00366 | 0.00219 | 0.00274 | 0.00919 | 0.00000568 | 5.5 | 0.0000019 | 0.0000454 | 0.0000621 | 0.00027 | 0.0149 |
| 2047 Apr | 39.8 | 0.00183 | 0.124 | 0.000298 | 7.92 | 0.0234 | 5.21 | 0.00000273 | 0.00366 | 0.00219 | 0.00274 | 0.00919 | 0.00000568 | 5.5 | 0.0000019 | 0.0000455 | 0.0000621 | 0.000271 | 0.0149 |
| 2047 May | 38.6 | 0.00197 | 0.118 | 0.000311 | 7.64 | 0.0233 | 5.15 | 0.00000272 | 0.00359 | 0.00224 | 0.00274 | 0.009 | 0.00000567 | 5.37 | 0.0000019 | 0.0000451 | 0.000061 | 0.000268 | 0.0144 |
| 2047 Jun | 37.9 | 0.00298 | 0.103 | 0.000432 | 7.17 | 0.0251 | 5.95 | 0.00000277 | 0.00396 | 0.0037 | 0.00278 | 0.00913 | 0.00000585 | 5.46 | 0.00000216 | 0.0000495 | 0.0000672 | 0.000305 | 0.0149 |
| 2047 Jul | 39.6 | 0.00313 | 0.107 | 0.000429 | 7.53 | 0.0265 | 6.31 | 0.00000291 | 0.00418 | 0.00402 | 0.00292 | 0.0096 | 0.00000615 | 5.74 | 0.00000229 | 0.0000522 | 0.0000722 | 0.000322 | 0.0158 |
| 2047 Aug | 39.8 | 0.00312 | 0.106 | 0.000425 | 7.58 | 0.027 | 6.36 | 0.00000299 | 0.00426 | 0.00406 | 0.00299 | 0.00969 | 0.0000063 | 5.79 | 0.00000234 | 0.000053 | 0.0000738 | 0.000327 | 0.016 |
| 2047 Sep | 35.9 | 0.00281 | 0.0931 | 0.000373 | 6.86 | 0.0251 | 5.79 | 0.00000289 | 0.00405 | 0.00371 | 0.00289 | 0.00882 | 0.00000607 | 5.27 | 0.00000221 | 0.0000496 | 0.0000689 | 0.000303 | 0.015 |
| 2047 Oct | 34.1 | 0.00262 | 0.0872 | 0.000347 | 6.52 | 0.0242 | 5.55 | 0.00000284 | 0.004 | 0.00358 | 0.00285 | 0.00839 | 0.00000596 | 5.03 | 0.00000217 | 0.0000482 | 0.0000666 | 0.000294 | 0.0147 |
| 2047 Nov | 34.1 | 0.00258 | 0.0872 | 0.000345 | 6.51 | 0.0242 | 5.55 | 0.00000284 | 0.00403 | 0.00359 | 0.00285 | 0.00838 | 0.00000597 | 5.03 | 0.00000218 | 0.0000483 | 0.0000667 | 0.000295 | 0.0147 |
| 2047 Dec | 34.1 | 0.00257 | 0.0872 | 0.000345 | 6.51 | 0.0242 | 5.55 | 0.00000284 | 0.00403 | 0.00359 | 0.00285 | 0.00838 | 0.00000597 | 5.03 | 0.00000218 | 0.0000483 | 0.0000667 | 0.000295 | 0.0147 |
| 2048 Jan | 34.1 | 0.00257 | 0.0872 | 0.000345 | 6.51 | 0.0242 | 5.55 | 0.00000284 | 0.00403 | 0.00359 | 0.00285 | 0.00838 | 0.00000597 | 5.03 | 0.00000218 | 0.0000483 | 0.0000667 | 0.000295 | 0.0147 |
| 2048 Feb | 34.1 | 0.00257 | 0.0872 | 0.000345 | 6.51 | 0.0242 | 5.55 | 0.00000284 | 0.00403 | 0.0036 | 0.00285 | 0.00838 | 0.00000597 | 5.03 | 0.00000218 | 0.0000483 | 0.0000667 | 0.000295 | 0.0147 |
| 2048 Mar | 34.1 | 0.00257 | 0.0872 | 0.000345 | 6.51 | 0.0242 | 5.55 | 0.00000284 | 0.00403 | 0.0036 | 0.00285 | 0.00838 | 0.00000597 | 5.03 | 0.00000218 | 0.0000483 | 0.0000667 | 0.000295 | 0.0147 |
| 2048 Apr | 34.2 | 0.00257 | 0.0873 | 0.000345 | 6.52 | 0.0242 | 5.56 | 0.00000285 | 0.00403 | 0.0036 | 0.00285 | 0.00839 | 0.00000598 | 5.03 | 0.00000218 | 0.0000483 | 0.0000668 | 0.000296 | 0.0147 |
| 2048 May | 34.3 | 0.00259 | 0.0878 | 0.000347 | 6.56 | 0.0243 | 5.59 | 0.00000286 | 0.00406 | 0.00362 | 0.00287 | 0.00844 | 0.00000601 | 5.06 | 0.0000022 | 0.0000486 | 0.0000672 | 0.000297 | 0.0148 |
| 2048 Jun | 34 | 0.00254 | 0.0822 | 0.000318 | 6.46 | 0.025 | 5.85 | 0.00000276 | 0.00402 | 0.00413 | 0.00277 | 0.00853 | 0.00000584 | 5.09 | 0.00000222 | 0.000049 | 0.00007 | 0.000306 | 0.0145 |
| 2048 Jul | 35.7 | 0.00217 | 0.0855 | 0.000335 | 6.72 | 0.0266 | 6.49 | 0.00000283 | 0.00451 | 0.00501 | 0.00283 | 0.00898 | 0.00000603 | 5.43 | 0.00000241 | 0.0000531 | 0.0000768 | 0.000337 | 0.0162 |
| 2048 Aug | 36.2 | 0.00212 | 0.0863 | 0.000327 | 6.81 | 0.0271 | 6.6 | 0.00000293 | 0.00467 | 0.00511 | 0.00293 | 0.00912 | 0.00000622 | 5.51 | 0.00000247 | 0.0000544 | 0.000079 | 0.000345 | 0.0167 |
| 2048 Sep | 36.1 | 0.00211 | 0.0856 | 0.000322 | 6.78 | 0.0271 | 6.58 | 0.00000295 | 0.0047 | 0.00509 | 0.00295 | 0.00909 | 0.00000628 | 5.5 | 0.00000248 | 0.0000545 | 0.0000791 | 0.000346 | 0.0167 |
| 2048 Oct | 32.6 | 0.0018 | 0.0752 | 0.000273 | 6.12 | 0.0251 | 5.94 | 0.00000284 | 0.00454 | 0.00454 | 0.00284 | 0.00821 | 0.00000601 | 4.98 | 0.00000249 | 0.0000505 | 0.0000741 | 0.000324 | 0.0155 |
| 2048 Nov | 31.6 | 0.0016 | 0.0721 | 0.000253 | 5.94 | 0.0246 | 5.76 | 0.00000281 | 0.00458 | 0.00439 | 0.00281 | 0.00793 | 0.00000594 | 4.83 | 0.0000026 | 0.0000495 | 0.0000734 | 0.000321 | 0.0152 |
| 2048 Dec | 31.6 | 0.00158 | 0.0723 | 0.000253 | 5.94 | 0.0246 | 5.78 | 0.00000281 | 0.0046 | 0.00441 | 0.00281 | 0.00794 | 0.00000594 | 4.84 | 0.00000261 | 0.0000495 | 0.0000736 | 0.000322 | 0.0152 |
| 2049 Jan | 31.7 | 0.00158 | 0.0724 | 0.000252 | 5.95 | 0.0246 | 5.78 | 0.00000281 | 0.0046 | 0.00441 | 0.00281 | 0.00794 | 0.00000594 | 4.84 | 0.00000262 | 0.0000496 | 0.0000736 | 0.000322 | 0.0152 |
| 2049 Feb | 31.7 | 0.00158 | 0.0724 | 0.000252 | 5.95 | 0.0246 | 5.78 | 0.00000281 | 0.0046 | 0.00441 | 0.00281 | 0.00794 | 0.00000594 | 4.84 | 0.00000262 | 0.0000496 | 0.0000736 | 0.000322 | 0.0152 |
| 2049 Mar | 31.7 | 0.00158 | 0.0724 | 0.000252 | 5.95 | 0.0247 | 5.78 | 0.00000281 | 0.00461 | 0.00441 | 0.00281 | 0.00794 | 0.00000594 | 4.84 | 0.00000262 | 0.0000496 | 0.0000736 | 0.000322 | 0.0152 |
| 2049 Apr | 31.7 | 0.00158 | 0.0725 | 0.000253 | 5.95 | 0.0247 | 5.79 | 0.00000281 | 0.00461 | 0.00442 | 0.00281 | 0.00795 | 0.00000594 | 4.85 | 0.00000262 | 0.0000496 | 0.0000737 | 0.000323 | 0.0152 |
| 2049 May | 31.9 | 0.00159 | 0.073 | 0.000254 | 6 | 0.0248 | 5.83 | 0.00000283 | 0.00464 | 0.00445 | 0.00283 | 0.008 | 0.00000599 | 4.88 | 0.00000264 | 0.00005 | 0.0000742 | 0.000325 | 0.0153 |
| 2049 Jun | 31.7 | 0.00237 | 0.0697 | 0.00026 | 5.97 | 0.025 | 5.8 | 0.00000274 | 0.0042 | 0.00442 | 0.00274 | 0.00815 | 0.0000058 | 4.86 | 0.00000233 | 0.0000488 | 0.0000717 | 0.000313 | 0.0144 |
| 2049 Jul | 33.8 | 0.00197 | 0.0769 | 0.000279 | 6.31 | 0.0262 | 6.35 | 0.00000279 | 0.00467 | 0.00509 | 0.00279 | 0.00863 | 0.00000594 | 5.2 | 0.0000024 | 0.0000525 | 0.0000767 | 0.00034 | 0.0161 |
| 2049 Aug | 33.8 | 0.00181 | 0.0768 | 0.000297 | 6.3 | 0.0264 | 6.36 | 0.00000287 | 0.00483 | 0.00511 | 0.00286 | 0.00864 | 0.00000609 | 5.22 | 0.00000244 | 0.0000534 | 0.0000779 | 0.000345 | 0.0165 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 30.7 | 0.00156 | 0.0685 | 0.000309 | 5.7 | 0.0243 | 5.76 | 0.0000028 | 0.00466 | 0.0046 | 0.00279 | 0.00782 | 0.00000591 | 4.74 | 0.0000023 | 0.0000501 | 0.0000713 | 0.000321 | 0.0157 |
| 2049 Oct | 30 | 0.00154 | 0.0668 | 0.000291 | 5.56 | 0.0238 | 5.64 | 0.00000277 | 0.00467 | 0.00449 | 0.00277 | 0.0076 | 0.00000586 | 4.64 | 0.00000232 | 0.0000494 | 0.0000697 | 0.000318 | 0.0156 |
| 2049 Nov | 30.1 | 0.00152 | 0.0672 | 0.000283 | 5.58 | 0.0239 | 5.66 | 0.00000278 | 0.00471 | 0.00452 | 0.00277 | 0.00762 | 0.00000587 | 4.65 | 0.00000236 | 0.0000496 | 0.0000701 | 0.00032 | 0.0157 |
| 2049 Dec | 30.1 | 0.00152 | 0.0673 | 0.000282 | 5.58 | 0.0239 | 5.67 | 0.00000278 | 0.00471 | 0.00452 | 0.00277 | 0.00762 | 0.00000587 | 4.66 | 0.00000236 | 0.0000496 | 0.0000701 | 0.000321 | 0.0157 |
| 2050 Jan | 30.1 | 0.00152 | 0.0673 | 0.000282 | 5.58 | 0.0239 | 5.67 | 0.00000278 | 0.00472 | 0.00452 | 0.00277 | 0.00762 | 0.00000587 | 4.66 | 0.00000236 | 0.0000496 | 0.0000702 | 0.000321 | 0.0157 |
| 2050 Feb | 30.1 | 0.00152 | 0.0673 | 0.000282 | 5.58 | 0.0239 | 5.67 | 0.00000278 | 0.00472 | 0.00452 | 0.00277 | 0.00762 | 0.00000587 | 4.66 | 0.00000236 | 0.0000496 | 0.0000702 | 0.000321 | 0.0157 |
| 2050 Mar | 30.1 | 0.00152 | 0.0673 | 0.000282 | 5.58 | 0.0239 | 5.67 | 0.00000278 | 0.00472 | 0.00453 | 0.00277 | 0.00762 | 0.00000587 | 4.66 | 0.00000236 | 0.0000496 | 0.0000702 | 0.000321 | 0.0157 |
| 2050 Apr | 30.1 | 0.00152 | 0.0673 | 0.000282 | 5.59 | 0.0239 | 5.67 | 0.00000278 | 0.00472 | 0.00453 | 0.00277 | 0.00763 | 0.00000588 | 4.66 | 0.00000236 | 0.0000497 | 0.0000702 | 0.000321 | 0.0157 |
| 2050 May | 30.3 | 0.00152 | 0.0677 | 0.000284 | 5.62 | 0.024 | 5.7 | 0.0000028 | 0.00474 | 0.00455 | 0.00279 | 0.00767 | 0.00000591 | 4.69 | 0.00000238 | 0.0000499 | 0.0000706 | 0.000323 | 0.0158 |
| 2050 Jun | 30.2 | 0.00225 | 0.0641 | 0.000286 | 5.66 | 0.0245 | 5.57 | 0.00000275 | 0.00425 | 0.00426 | 0.00275 | 0.00783 | 0.0000058 | 4.65 | 0.00000226 | 0.0000481 | 0.0000698 | 0.000309 | 0.0143 |
| 2050 Jul | 32.7 | 0.00221 | 0.0714 | 0.000342 | 6.13 | 0.0259 | 6.06 | 0.00000281 | 0.00448 | 0.00476 | 0.0028 | 0.00844 | 0.00000594 | 5.03 | 0.00000234 | 0.0000509 | 0.0000755 | 0.000329 | 0.0155 |
| 2050 Aug | 33.2 | 0.0021 | 0.0728 | 0.000342 | 6.22 | 0.0263 | 6.17 | 0.00000289 | 0.00465 | 0.00486 | 0.00288 | 0.00857 | 0.00000611 | 5.12 | 0.0000024 | 0.0000522 | 0.0000776 | 0.000337 | 0.0161 |
| 2050 Sep | 31.6 | 0.00187 | 0.0689 | 0.000313 | 5.91 | 0.0252 | 5.86 | 0.00000286 | 0.00459 | 0.00461 | 0.00285 | 0.00814 | 0.00000603 | 4.88 | 0.00000233 | 0.0000506 | 0.0000744 | 0.000324 | 0.0158 |
| 2050 Oct | 31.4 | 0.00183 | 0.0684 | 0.000304 | 5.87 | 0.025 | 5.82 | 0.00000286 | 0.00461 | 0.00458 | 0.00286 | 0.00807 | 0.00000604 | 4.85 | 0.00000233 | 0.0000505 | 0.000074 | 0.000324 | 0.0158 |
| 2050 Nov | 31.5 | 0.00184 | 0.0686 | 0.000304 | 5.88 | 0.0251 | 5.83 | 0.00000287 | 0.00462 | 0.00459 | 0.00286 | 0.00809 | 0.00000605 | 4.86 | 0.00000233 | 0.0000506 | 0.0000741 | 0.000324 | 0.0159 |
| 2050 Dec | 31.5 | 0.00184 | 0.0686 | 0.000304 | 5.88 | 0.0251 | 5.83 | 0.00000287 | 0.00462 | 0.00459 | 0.00286 | 0.00809 | 0.00000605 | 4.86 | 0.00000233 | 0.0000506 | 0.0000742 | 0.000324 | 0.0159 |
| 2051 Jan | 31.5 | 0.00184 | 0.0686 | 0.000304 | 5.88 | 0.0251 | 5.83 | 0.00000287 | 0.00462 | 0.00459 | 0.00286 | 0.00809 | 0.00000605 | 4.86 | 0.00000233 | 0.0000506 | 0.0000742 | 0.000324 | 0.0159 |
| 2051 Feb | 31.5 | 0.00184 | 0.0686 | 0.000304 | 5.88 | 0.0251 | 5.83 | 0.00000287 | 0.00462 | 0.00459 | 0.00286 | 0.00809 | 0.00000605 | 4.86 | 0.00000233 | 0.0000506 | 0.0000741 | 0.000324 | 0.0159 |
| 2051 Mar | 31.5 | 0.00184 | 0.0686 | 0.000304 | 5.88 | 0.0251 | 5.83 | 0.00000287 | 0.00462 | 0.00459 | 0.00286 | 0.00809 | 0.00000606 | 4.86 | 0.00000233 | 0.0000507 | 0.0000742 | 0.000324 | 0.0159 |
| 2051 Apr | 31.5 | 0.00184 | 0.0686 | 0.000304 | 5.89 | 0.0251 | 5.84 | 0.00000287 | 0.00462 | 0.00459 | 0.00287 | 0.0081 | 0.00000606 | 4.86 | 0.00000233 | 0.0000507 | 0.0000742 | 0.000325 | 0.0159 |
| 2051 May | 31.4 | 0.00187 | 0.0681 | 0.000302 | 5.85 | 0.0251 | 5.81 | 0.00000288 | 0.0046 | 0.00455 | 0.00288 | 0.00807 | 0.00000608 | 4.84 | 0.00000233 | 0.0000506 | 0.0000738 | 0.000324 | 0.0158 |
| 2051 Jun | 30.6 | 0.00243 | 0.0648 | 0.000271 | 5.7 | 0.0247 | 5.57 | 0.00000273 | 0.00418 | 0.00422 | 0.00272 | 0.00797 | 0.00000574 | 4.68 | 0.00000219 | 0.0000478 | 0.0000698 | 0.000309 | 0.0142 |
| 2051 Jul | 33.8 | 0.00221 | 0.074 | 0.000251 | 6.33 | 0.0268 | 6.21 | 0.00000286 | 0.00471 | 0.00486 | 0.00284 | 0.00873 | 0.00000604 | 5.18 | 0.00000238 | 0.0000523 | 0.0000778 | 0.000343 | 0.0161 |
| 2051 Aug | 32.3 | 0.00195 | 0.0699 | 0.000254 | 6.05 | 0.0259 | 5.92 | 0.00000286 | 0.00469 | 0.00461 | 0.00285 | 0.00837 | 0.00000603 | 4.97 | 0.00000233 | 0.0000511 | 0.0000756 | 0.000333 | 0.0158 |
| 2051 Sep | 30.6 | 0.00173 | 0.0656 | 0.000263 | 5.73 | 0.0248 | 5.6 | 0.00000284 | 0.00463 | 0.00433 | 0.00283 | 0.00792 | 0.00000596 | 4.71 | 0.00000226 | 0.0000495 | 0.000072 | 0.000321 | 0.0155 |
| 2051 Oct | 29.1 | 0.00164 | 0.0621 | 0.000285 | 5.45 | 0.0238 | 5.32 | 0.00000278 | 0.00459 | 0.00407 | 0.00277 | 0.00748 | 0.00000583 | 4.48 | 0.00000229 | 0.0000478 | 0.000069 | 0.000311 | 0.015 |
| 2051 Nov | 29 | 0.00155 | 0.0621 | 0.000299 | 5.43 | 0.0237 | 5.3 | 0.00000277 | 0.00465 | 0.00406 | 0.00276 | 0.00743 | 0.00000581 | 4.47 | 0.00000237 | 0.0000476 | 0.0000693 | 0.000314 | 0.015 |
| 2051 Dec | 29 | 0.00154 | 0.0624 | 0.000301 | 5.44 | 0.0238 | 5.31 | 0.00000277 | 0.00466 | 0.00407 | 0.00276 | 0.00744 | 0.00000582 | 4.48 | 0.00000238 | 0.0000477 | 0.0000694 | 0.000314 | 0.0151 |
| 2052 Jan | 29.1 | 0.00154 | 0.0624 | 0.000301 | 5.45 | 0.0238 | 5.31 | 0.00000277 | 0.00466 | 0.00407 | 0.00276 | 0.00744 | 0.00000582 | 4.48 | 0.00000238 | 0.0000477 | 0.0000695 | 0.000314 | 0.0151 |
| 2052 Feb | 29.1 | 0.00154 | 0.0624 | 0.000301 | 5.45 | 0.0238 | 5.31 | 0.00000277 | 0.00466 | 0.00407 | 0.00276 | 0.00744 | 0.00000582 | 4.48 | 0.00000238 | 0.0000477 | 0.0000695 | 0.000315 | 0.0151 |
| 2052 Mar | 29.1 | 0.00154 | 0.0624 | 0.000301 | 5.45 | 0.0238 | 5.32 | 0.00000277 | 0.00466 | 0.00407 | 0.00276 | 0.00744 | 0.00000582 | 4.48 | 0.00000238 | 0.0000477 | 0.0000695 | 0.000315 | 0.0151 |
| 2052 Apr | 29.1 | 0.00154 | 0.0625 | 0.000301 | 5.45 | 0.0238 | 5.32 | 0.00000277 | 0.00467 | 0.00408 | 0.00276 | 0.00745 | 0.00000582 | 4.48 | 0.00000238 | 0.0000478 | 0.0000695 | 0.000315 | 0.0151 |
| 2052 May | 29.3 | 0.00157 | 0.0629 | 0.000308 | 5.49 | 0.024 | 5.36 | 0.0000028 | 0.0047 | 0.00411 | 0.00279 | 0.00751 | 0.00000587 | 4.52 | 0.00000241 | 0.0000481 | 0.00007 | 0.000317 | 0.0152 |
| 2052 Jun | 29.6 | 0.00243 | 0.061 | 0.000288 | 5.56 | 0.0244 | 5.3 | 0.00000275 | 0.00409 | 0.00388 | 0.00274 | 0.00778 | 0.00000575 | 4.53 | 0.00000219 | 0.0000465 | 0.0000686 | 0.000301 | 0.0137 |
| 2052 Jul | 32.6 | 0.00246 | 0.069 | 0.000298 | 6.15 | 0.0263 | 5.84 | 0.00000288 | 0.00442 | 0.00436 | 0.00287 | 0.00851 | 0.00000605 | 4.98 | 0.00000231 | 0.0000502 | 0.0000754 | 0.000327 | 0.0152 |
| 2052 Aug | 32.6 | 0.00239 | 0.0688 | 0.000307 | 6.15 | 0.0264 | 5.83 | 0.00000293 | 0.00448 | 0.00435 | 0.00292 | 0.00851 | 0.00000614 | 4.99 | 0.00000233 | 0.0000506 | 0.0000757 | 0.000328 | 0.0154 |
| 2052 Sep | 31.4 | 0.0022 | 0.0661 | 0.000311 | 5.94 | 0.0255 | 5.62 | 0.0000029 | 0.00443 | 0.00418 | 0.00289 | 0.0082 | 0.00000607 | 4.82 | 0.00000228 | 0.0000494 | 0.0000734 | 0.000319 | 0.0152 |
| 2052 Oct | 30.9 | 0.00213 | 0.065 | 0.00031 | 5.84 | 0.0251 | 5.52 | 0.00000288 | 0.00442 | 0.00411 | 0.00287 | 0.00805 | 0.00000604 | 4.74 | 0.00000226 | 0.0000489 | 0.0000723 | 0.000315 | 0.0151 |
| 2052 Nov | 30.9 | 0.00212 | 0.0651 | 0.000311 | 5.83 | 0.0251 | 5.52 | 0.00000288 | 0.00443 | 0.00411 | 0.00288 | 0.00804 | 0.00000604 | 4.74 | 0.00000226 | 0.0000489 | 0.0000723 | 0.000315 | 0.0151 |
| 2052 Dec | 30.9 | 0.00212 | 0.065 | 0.000311 | 5.83 | 0.0251 | 5.52 | 0.00000288 | 0.00443 | 0.00411 | 0.00288 | 0.00804 | 0.00000604 | 4.74 | 0.00000226 | 0.0000489 | 0.0000722 | 0.000315 | 0.0151 |
| 2053 Jan | 30.9 | 0.00212 | 0.065 | 0.000311 | 5.83 | 0.0251 | 5.52 | 0.00000288 | 0.00443 | 0.00411 | 0.00288 | 0.00804 | 0.00000604 | 4.74 | 0.00000226 | 0.0000489 | 0.0000722 | 0.000315 | 0.0151 |
| 2053 Feb | 30.9 | 0.00212 | 0.065 | 0.000311 | 5.83 | 0.0251 | 5.52 | 0.00000288 | 0.00443 | 0.00411 | 0.00288 | 0.00804 | 0.00000604 | 4.74 | 0.00000226 | 0.0000489 | 0.0000722 | 0.000315 | 0.0151 |
| 2053 Mar | 30.9 | 0.00212 | 0.0651 | 0.000311 | 5.83 | 0.0251 | 5.52 | 0.00000289 | 0.00443 | 0.00411 | 0.00288 | 0.00804 | 0.00000604 | 4.74 | 0.00000226 | 0.0000489 | 0.0000723 | 0.000315 | 0.0151 |
| 2053 Apr | 30.9 | 0.00212 | 0.0651 | 0.000311 | 5.84 | 0.0252 | 5.53 | 0.00000289 | 0.00444 | 0.00412 | 0.00288 | 0.00805 | 0.00000605 | 4.75 | 0.00000226 | 0.000049 | 0.0000724 | 0.000316 | 0.0151 |
| 2053 May | 29.9 | 0.00218 | 0.062 | 0.0003 | 5.6 | 0.0245 | 5.32 | 0.00000287 | 0.0043 | 0.0039 | 0.00286 | 0.0078 | 0.00000599 | 4.57 | 0.00000222 | 0.0000478 | 0.0000694 | 0.000306 | 0.0145 |
| 2053 Jun | 30.4 | 0.0026 | 0.0641 | 0.00031 | 5.72 | 0.0248 | 5.36 | 0.00000274 | 0.0042 | 0.00388 | 0.00273 | 0.008 | 0.00000574 | 4.63 | 0.00000214 | 0.000047 | 0.0000694 | 0.000308 | 0.014 |
| 2053 Jul | 33.8 | 0.00246 | 0.0735 | 0.000362 | 6.38 | 0.027 | 5.98 | 0.00000289 | 0.00467 | 0.00446 | 0.00288 | 0.00878 | 0.00000607 | 5.14 | 0.00000232 | 0.0000514 | 0.0000775 | 0.000339 | 0.0159 |
| 2053 Aug | 34.1 | 0.00242 | 0.0738 | 0.000366 | 6.45 | 0.0273 | 6.03 | 0.00000297 | 0.00477 | 0.00449 | 0.00296 | 0.00888 | 0.00000623 | 5.19 | 0.00000237 | 0.0000523 | 0.0000788 | 0.000344 | 0.0162 |
| 2053 Sep | 33.4 | 0.00233 | 0.0717 | 0.000357 | 6.32 | 0.0269 | 5.9 | 0.00000297 | 0.00474 | 0.00438 | 0.00296 | 0.0087 | 0.00000623 | 5.09 | 0.00000235 | 0.0000517 | 0.0000775 | 0.000339 | 0.016 |
| 2053 Oct | 32.6 | 0.00227 | 0.0696 | 0.000345 | 6.17 | 0.0264 | 5.75 | 0.00000295 | 0.00467 | 0.00425 | 0.00294 | 0.00849 | 0.00000618 | 4.97 | 0.00000232 | 0.0000508 | 0.0000759 | 0.000332 | 0.0158 |
| 2053 Nov | 32.1 | 0.00222 | 0.0685 | 0.000338 | 6.09 | 0.0261 | 5.67 | 0.00000294 | 0.00465 | 0.00418 | 0.00293 | 0.00838 | 0.00000615 | 4.91 | 0.00000232 | 0.0000503 | 0.0000752 | 0.000329 | 0.0157 |
| 2053 Dec | 32.1 | 0.00221 | 0.0683 | 0.000336 | 6.07 | 0.0261 | 5.66 | 0.00000294 | 0.00464 | 0.00417 | 0.00292 | 0.00836 | 0.00000614 | 4.9 | 0.00000232 | 0.0000502 | 0.0000751 | 0.000328 | 0.0156 |
| 2054 Jan | 32 | 0.00221 | 0.0683 | 0.000336 | 6.07 | 0.026 | 5.66 | 0.00000293 | 0.00464 | 0.00417 | 0.00292 | 0.00835 | 0.00000614 | 4.9 | 0.00000231 | 0.0000502 | 0.000075 | 0.000328 | 0.0156 |
| 2054 Feb | 32 | 0.0022 | 0.0683 | 0.000336 | 6.07 | 0.026 | 5.65 | 0.00000293 | 0.00464 | 0.00417 | 0.00292 | 0.00835 | 0.00000614 | 4.89 | 0.00000231 | 0.0000502 | 0.000075 | 0.000328 | 0.0156 |
| 2054 Mar | 32 | 0.0022 | 0.0682 | 0.000336 | 6.07 | 0.026 | 5.65 | 0.00000293 | 0.00464 | 0.00417 | 0.00292 | 0.00835 | 0.00000614 | 4.89 | 0.00000231 | 0.0000502 | 0.000075 | 0.000328 | 0.0156 |
| 2054 Apr | 32.1 | 0.00221 | 0.0683 | 0.000336 | 6.07 | 0.0261 | 5.66 | 0.00000294 | 0.00465 | 0.00417 | 0.00292 | 0.00836 | 0.00000615 | 4.9 | 0.00000232 | 0.0000502 | 0.0000751 | 0.000328 | 0.0156 |
| 2054 May | 31.9 | 0.00223 | 0.0675 | 0.000334 | 6.03 | 0.026 | 5.62 | 0.00000294 | 0.00462 | 0.00412 | 0.00293 | 0.00832 | 0.00000616 | 4.87 | 0.00000231 | 0.0000501 | 0.0000746 | 0.000327 | 0.0155 |
| 2054 Jun | 29.6 | 0.00272 | 0.0617 | 0.000297 | 5.57 | 0.0242 | 5.13 | 0.00000273 | 0.00402 | 0.00361 | 0.00272 | 0.00779 | 0.0000057 | 4.49 | 0.00000209 | 0.0000455 | 0.0000676 | 0.000296 | 0.0136 |
| 2054 Jul | 31.2 | 0.002 | 0.0679 | 0.000239 | 5.92 | 0.0248 | 5.43 | 0.00000276 | 0.00439 | 0.004 | 0.00275 | 0.0081 | 0.00000579 | 4.74 | 0.00000217 | 0.0000476 | 0.0000738 | 0.000312 | 0.0152 |
| 2054 Aug | 29 | 0.00125 | 0.0634 | 0.000245 | 5.5 | 0.0231 | 5.05 | 0.00000273 | 0.00448 | 0.00376 | 0.00272 | 0.00746 | 0.00000571 | 4.43 | 0.0000021 | 0.0000461 | 0.0000696 | 0.000299 | 0.0153 |
| 2054 Sep | 28.6 | 0.000999 | 0.0634 | 0.000289 | 5.42 | 0.0227 | 5 | 0.00000273 | 0.00461 | 0.00378 | 0.00272 | 0.00729 | 0.00000571 | 4.38 | 0.0000021 | 0.0000462 | 0.0000673 | 0.000301 | 0.0157 |
| 2054 Oct | 28.5 | 0.0012 | 0.0625 | 0.000334 | 5.4 | 0.0229 | 5 | 0.0000027 | 0.00464 | 0.00375 | 0.00269 | 0.00722 | 0.00000564 | 4.36 | 0.00000231 | 0.0000456 | 0.0000685 | 0.000305 | 0.0153 |
| 2054 Nov | 28.9 | 0.00117 | 0.0629 | 0.000356 | 5.48 | 0.0233 | 5.06 | 0.0000027 | 0.00473 | 0.00378 | 0.00269 | 0.00729 | 0.00000565 | 4.41 | 0.0000025 | 0.0000458 | 0.0000709 | 0.000313 | 0.0152 |
| 2054 Dec | 29 | 0.00117 | 0.0632 | 0.000359 | 5.5 | 0.0234 | 5.09 | 0.00000271 | 0.00475 | 0.0038 | 0.0027 | 0.00732 | 0.00000566 | 4.43 | 0.00000251 | 0.0000459 | 0.0000712 | 0.000314 | 0.0153 |
| 2055 Jan | 29.1 | 0.00117 | 0.0633 | 0.000359 | 5.51 | 0.0234 | 5.09 | 0.00000271 | 0.00475 | 0.00381 | 0.0027 | 0.00732 | 0.00000566 | 4.43 | 0.00000251 | 0.000046 | 0.0000713 | 0.000314 | 0.0153 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 29.1 | 0.00117 | 0.0633 | 0.000359 | 5.51 | 0.0234 | 5.09 | 0.00000271 | 0.00475 | 0.00381 | 0.0027 | 0.00732 | 0.00000566 | 4.43 | 0.00000251 | 0.000046 | 0.0000713 | 0.000314 | 0.0153 |
| 2055 Mar | 29.1 | 0.00117 | 0.0633 | 0.000359 | 5.51 | 0.0234 | 5.09 | 0.00000271 | 0.00475 | 0.00381 | 0.0027 | 0.00733 | 0.00000566 | 4.43 | 0.00000251 | 0.000046 | 0.0000713 | 0.000314 | 0.0153 |
| 2055 Apr | 29.1 | 0.00117 | 0.0633 | 0.00036 | 5.51 | 0.0234 | 5.09 | 0.00000271 | 0.00475 | 0.00381 | 0.0027 | 0.00733 | 0.00000566 | 4.44 | 0.00000251 | 0.000046 | 0.0000713 | 0.000314 | 0.0153 |
| 2055 May | 29.2 | 0.00118 | 0.0636 | 0.000361 | 5.54 | 0.0236 | 5.12 | 0.00000272 | 0.00478 | 0.00383 | 0.00271 | 0.00737 | 0.00000569 | 4.46 | 0.00000252 | 0.0000462 | 0.0000717 | 0.000316 | 0.0154 |
| 2055 Jun | 29.3 | 0.00227 | 0.0602 | 0.000334 | 5.61 | 0.024 | 5.03 | 0.00000269 | 0.00407 | 0.00358 | 0.00268 | 0.00767 | 0.0000056 | 4.46 | 0.00000217 | 0.0000447 | 0.0000701 | 0.000295 | 0.0139 |
| 2055 Jul | 31.8 | 0.00223 | 0.0674 | 0.000358 | 6.06 | 0.0255 | 5.46 | 0.00000279 | 0.00435 | 0.00398 | 0.00277 | 0.00829 | 0.00000582 | 4.82 | 0.00000218 | 0.0000478 | 0.0000753 | 0.000316 | 0.0152 |
| 2055 Aug | 30.4 | 0.00186 | 0.0643 | 0.000341 | 5.79 | 0.0246 | 5.22 | 0.00000279 | 0.00441 | 0.00381 | 0.00278 | 0.00794 | 0.00000582 | 4.63 | 0.00000214 | 0.0000469 | 0.0000742 | 0.000308 | 0.0153 |
| 2055 Sep | 27.9 | 0.00145 | 0.0592 | 0.000278 | 5.32 | 0.0228 | 4.79 | 0.00000273 | 0.00436 | 0.00348 | 0.00271 | 0.00726 | 0.00000567 | 4.27 | 0.00000204 | 0.0000447 | 0.0000682 | 0.000291 | 0.0149 |
| 2055 Oct | 27.9 | 0.0015 | 0.06 | 0.000259 | 5.3 | 0.0226 | 4.81 | 0.00000272 | 0.00442 | 0.00351 | 0.00271 | 0.0072 | 0.00000567 | 4.26 | 0.00000205 | 0.0000449 | 0.0000672 | 0.000293 | 0.0151 |
| 2055 Nov | 28.1 | 0.00151 | 0.0606 | 0.000257 | 5.32 | 0.0227 | 4.83 | 0.00000272 | 0.00444 | 0.00354 | 0.00271 | 0.00722 | 0.00000567 | 4.28 | 0.00000206 | 0.000045 | 0.0000674 | 0.000295 | 0.0152 |
| 2055 Dec | 28.2 | 0.00151 | 0.061 | 0.000257 | 5.34 | 0.0227 | 4.85 | 0.00000272 | 0.00446 | 0.00356 | 0.00271 | 0.00723 | 0.00000567 | 4.3 | 0.00000206 | 0.0000452 | 0.0000675 | 0.000296 | 0.0152 |
| 2056 Jan | 28.2 | 0.00151 | 0.0611 | 0.000257 | 5.34 | 0.0227 | 4.86 | 0.00000273 | 0.00446 | 0.00356 | 0.00271 | 0.00724 | 0.00000567 | 4.3 | 0.00000207 | 0.0000452 | 0.0000676 | 0.000296 | 0.0152 |
| 2056 Feb | 28.2 | 0.00151 | 0.0611 | 0.000257 | 5.34 | 0.0227 | 4.86 | 0.00000273 | 0.00446 | 0.00356 | 0.00271 | 0.00724 | 0.00000567 | 4.3 | 0.00000207 | 0.0000452 | 0.0000676 | 0.000296 | 0.0152 |
| 2056 Mar | 28.2 | 0.00151 | 0.0611 | 0.000257 | 5.34 | 0.0227 | 4.86 | 0.00000273 | 0.00447 | 0.00357 | 0.00271 | 0.00724 | 0.00000568 | 4.3 | 0.00000207 | 0.0000452 | 0.0000676 | 0.000296 | 0.0152 |
| 2056 Apr | 28.2 | 0.00151 | 0.0612 | 0.000257 | 5.35 | 0.0227 | 4.86 | 0.00000273 | 0.00447 | 0.00357 | 0.00272 | 0.00725 | 0.00000568 | 4.3 | 0.00000207 | 0.0000452 | 0.0000676 | 0.000297 | 0.0153 |
| 2056 May | 27.9 | 0.00179 | 0.0594 | 0.000268 | 5.24 | 0.0227 | 4.79 | 0.00000273 | 0.00434 | 0.00345 | 0.00272 | 0.00721 | 0.00000568 | 4.24 | 0.00000205 | 0.0000448 | 0.0000661 | 0.000292 | 0.0147 |
| 2056 Jun | 29.6 | 0.00313 | 0.0621 | 0.00032 | 5.52 | 0.0239 | 5.04 | 0.00000268 | 0.00419 | 0.00358 | 0.00267 | 0.00773 | 0.00000559 | 4.46 | 0.00000204 | 0.0000452 | 0.0000681 | 0.0003 | 0.0142 |
| 2056 Jul | 31.5 | 0.00299 | 0.0664 | 0.000289 | 5.96 | 0.0253 | 5.35 | 0.00000279 | 0.00438 | 0.00383 | 0.00278 | 0.00822 | 0.00000582 | 4.76 | 0.00000215 | 0.0000474 | 0.0000736 | 0.000315 | 0.0152 |
| 2056 Aug | 32.3 | 0.003 | 0.0678 | 0.000294 | 6.1 | 0.026 | 5.47 | 0.00000288 | 0.00451 | 0.00391 | 0.00287 | 0.00843 | 0.00000601 | 4.87 | 0.00000221 | 0.0000487 | 0.0000758 | 0.000323 | 0.0156 |
| 2056 Sep | 32.1 | 0.00297 | 0.0671 | 0.000294 | 6.08 | 0.026 | 5.44 | 0.00000291 | 0.00451 | 0.00386 | 0.0029 | 0.0084 | 0.00000607 | 4.86 | 0.00000221 | 0.0000488 | 0.0000758 | 0.000323 | 0.0156 |
| 2056 Oct | 28.6 | 0.00247 | 0.0581 | 0.000274 | 5.46 | 0.0237 | 4.82 | 0.00000278 | 0.00423 | 0.00333 | 0.00277 | 0.00749 | 0.00000577 | 4.35 | 0.00000218 | 0.0000446 | 0.0000698 | 0.000295 | 0.0143 |
| 2056 Nov | 28.3 | 0.00229 | 0.0574 | 0.000276 | 5.4 | 0.0235 | 4.76 | 0.00000277 | 0.00426 | 0.00327 | 0.00276 | 0.00738 | 0.00000574 | 4.3 | 0.00000223 | 0.0000442 | 0.0000696 | 0.000294 | 0.0142 |
| 2056 Dec | 28.3 | 0.00228 | 0.0575 | 0.000277 | 5.41 | 0.0235 | 4.76 | 0.00000277 | 0.00427 | 0.00328 | 0.00276 | 0.00739 | 0.00000574 | 4.3 | 0.00000223 | 0.0000443 | 0.0000697 | 0.000295 | 0.0142 |
| 2057 Jan | 28.3 | 0.00227 | 0.0575 | 0.000277 | 5.41 | 0.0235 | 4.76 | 0.00000277 | 0.00427 | 0.00328 | 0.00276 | 0.00739 | 0.00000574 | 4.3 | 0.00000223 | 0.0000443 | 0.0000697 | 0.000295 | 0.0142 |
| 2057 Feb | 28.3 | 0.00227 | 0.0575 | 0.000277 | 5.41 | 0.0235 | 4.76 | 0.00000277 | 0.00427 | 0.00328 | 0.00276 | 0.00739 | 0.00000574 | 4.3 | 0.00000223 | 0.0000443 | 0.0000697 | 0.000295 | 0.0142 |
| 2057 Mar | 28.3 | 0.00227 | 0.0576 | 0.000277 | 5.41 | 0.0236 | 4.76 | 0.00000277 | 0.00427 | 0.00328 | 0.00276 | 0.00739 | 0.00000574 | 4.3 | 0.00000223 | 0.0000443 | 0.0000697 | 0.000295 | 0.0142 |
| 2057 Apr | 28.3 | 0.00228 | 0.0576 | 0.000277 | 5.41 | 0.0236 | 4.77 | 0.00000277 | 0.00427 | 0.00328 | 0.00276 | 0.0074 | 0.00000574 | 4.3 | 0.00000224 | 0.0000443 | 0.0000698 | 0.000295 | 0.0142 |
| 2057 May | 27.6 | 0.00236 | 0.0553 | 0.000291 | 5.23 | 0.0232 | 4.64 | 0.00000276 | 0.00413 | 0.00313 | 0.00275 | 0.00725 | 0.00000572 | 4.19 | 0.00000219 | 0.0000435 | 0.0000672 | 0.000288 | 0.0136 |
| 2057 Jun | 28.9 | 0.00308 | 0.0597 | 0.000358 | 5.39 | 0.0236 | 4.82 | 0.00000271 | 0.00403 | 0.00326 | 0.0027 | 0.00759 | 0.00000563 | 4.34 | 0.00000202 | 0.000044 | 0.0000661 | 0.000291 | 0.0137 |
| 2057 Jul | 30.6 | 0.00299 | 0.064 | 0.000335 | 5.77 | 0.0247 | 5.09 | 0.00000281 | 0.00426 | 0.00349 | 0.00279 | 0.008 | 0.00000583 | 4.6 | 0.0000021 | 0.0000461 | 0.0000712 | 0.000305 | 0.0147 |
| 2057 Aug | 31.1 | 0.00286 | 0.0651 | 0.00033 | 5.89 | 0.0252 | 5.17 | 0.0000029 | 0.00441 | 0.00354 | 0.00288 | 0.00816 | 0.00000601 | 4.69 | 0.00000215 | 0.0000473 | 0.0000737 | 0.000312 | 0.0152 |
| 2057 Sep | 28.7 | 0.00254 | 0.0592 | 0.000303 | 5.46 | 0.0235 | 4.75 | 0.00000282 | 0.00422 | 0.00321 | 0.0028 | 0.00752 | 0.00000583 | 4.34 | 0.00000204 | 0.0000447 | 0.0000689 | 0.000292 | 0.0145 |
| 2057 Oct | 27.4 | 0.00224 | 0.057 | 0.000295 | 5.22 | 0.0224 | 4.52 | 0.00000275 | 0.00418 | 0.00304 | 0.00274 | 0.0071 | 0.00000568 | 4.14 | 0.00000202 | 0.0000432 | 0.0000658 | 0.000282 | 0.0143 |
| 2057 Nov | 27.6 | 0.00218 | 0.0579 | 0.000299 | 5.26 | 0.0226 | 4.56 | 0.00000275 | 0.00423 | 0.00308 | 0.00274 | 0.00715 | 0.00000569 | 4.17 | 0.00000204 | 0.0000434 | 0.0000663 | 0.000285 | 0.0144 |
| 2057 Dec | 27.6 | 0.00217 | 0.058 | 0.0003 | 5.27 | 0.0226 | 4.56 | 0.00000275 | 0.00424 | 0.00309 | 0.00274 | 0.00715 | 0.00000569 | 4.18 | 0.00000205 | 0.0000435 | 0.0000664 | 0.000285 | 0.0144 |
| 2058 Jan | 27.6 | 0.00217 | 0.058 | 0.0003 | 5.27 | 0.0226 | 4.56 | 0.00000275 | 0.00424 | 0.00309 | 0.00274 | 0.00715 | 0.00000569 | 4.18 | 0.00000205 | 0.0000435 | 0.0000664 | 0.000285 | 0.0145 |
| 2058 Feb | 27.7 | 0.00217 | 0.058 | 0.0003 | 5.27 | 0.0226 | 4.56 | 0.00000275 | 0.00424 | 0.00309 | 0.00274 | 0.00715 | 0.00000569 | 4.18 | 0.00000205 | 0.0000435 | 0.0000664 | 0.000285 | 0.0145 |
| 2058 Mar | 27.7 | 0.00217 | 0.058 | 0.0003 | 5.27 | 0.0226 | 4.56 | 0.00000275 | 0.00424 | 0.00309 | 0.00274 | 0.00715 | 0.00000569 | 4.18 | 0.00000205 | 0.0000435 | 0.0000664 | 0.000286 | 0.0145 |
| 2058 Apr | 27.7 | 0.00217 | 0.0581 | 0.0003 | 5.28 | 0.0226 | 4.57 | 0.00000275 | 0.00424 | 0.00309 | 0.00274 | 0.00716 | 0.0000057 | 4.18 | 0.00000205 | 0.0000435 | 0.0000665 | 0.000286 | 0.0145 |
| 2058 May | 27.4 | 0.00228 | 0.0567 | 0.00031 | 5.18 | 0.0225 | 4.51 | 0.00000276 | 0.00413 | 0.00301 | 0.00274 | 0.00711 | 0.00000569 | 4.13 | 0.00000203 | 0.0000431 | 0.0000651 | 0.000282 | 0.014 |
| 2058 Jun | 29.8 | 0.00299 | 0.0623 | 0.000335 | 5.64 | 0.0241 | 4.88 | 0.00000269 | 0.00412 | 0.00328 | 0.00268 | 0.00781 | 0.00000558 | 4.45 | 0.000002 | 0.0000443 | 0.0000686 | 0.000296 | 0.0141 |
| 2058 Jul | 32.5 | 0.00286 | 0.0693 | 0.000318 | 6.2 | 0.0261 | 5.33 | 0.00000284 | 0.00456 | 0.00365 | 0.00282 | 0.0085 | 0.0000059 | 4.87 | 0.00000215 | 0.0000479 | 0.0000756 | 0.000324 | 0.0156 |
| 2058 Aug | 33.3 | 0.00288 | 0.071 | 0.000327 | 6.37 | 0.0268 | 5.47 | 0.00000294 | 0.00471 | 0.00374 | 0.00292 | 0.00873 | 0.0000061 | 5 | 0.00000221 | 0.0000494 | 0.000078 | 0.000334 | 0.016 |
| 2058 Sep | 29.6 | 0.00261 | 0.0615 | 0.000309 | 5.66 | 0.0244 | 4.85 | 0.00000281 | 0.00443 | 0.00324 | 0.0028 | 0.00778 | 0.00000582 | 4.46 | 0.00000205 | 0.0000456 | 0.00007 | 0.000305 | 0.0148 |
| 2058 Oct | 27.6 | 0.00232 | 0.0575 | 0.000306 | 5.27 | 0.0231 | 4.54 | 0.00000275 | 0.00444 | 0.00299 | 0.00273 | 0.00723 | 0.00000567 | 4.17 | 0.00000202 | 0.000044 | 0.0000655 | 0.000296 | 0.0144 |
| 2058 Nov | 27.9 | 0.00218 | 0.0587 | 0.0003 | 5.33 | 0.0233 | 4.59 | 0.00000275 | 0.00455 | 0.00304 | 0.00273 | 0.00728 | 0.00000567 | 4.21 | 0.00000207 | 0.0000443 | 0.0000664 | 0.000301 | 0.0146 |
| 2058 Dec | 27.9 | 0.00217 | 0.0589 | 0.000299 | 5.34 | 0.0234 | 4.6 | 0.00000275 | 0.00456 | 0.00305 | 0.00273 | 0.0073 | 0.00000568 | 4.22 | 0.00000208 | 0.0000444 | 0.0000665 | 0.000302 | 0.0146 |
| 2059 Jan | 28 | 0.00217 | 0.059 | 0.000299 | 5.34 | 0.0234 | 4.6 | 0.00000275 | 0.00457 | 0.00306 | 0.00273 | 0.0073 | 0.00000568 | 4.22 | 0.00000208 | 0.0000444 | 0.0000666 | 0.000302 | 0.0146 |
| 2059 Feb | 28 | 0.00217 | 0.059 | 0.000298 | 5.34 | 0.0234 | 4.6 | 0.00000275 | 0.00457 | 0.00306 | 0.00273 | 0.0073 | 0.00000568 | 4.22 | 0.00000208 | 0.0000444 | 0.0000666 | 0.000302 | 0.0146 |
| 2059 Mar | 28 | 0.00217 | 0.059 | 0.000298 | 5.34 | 0.0234 | 4.6 | 0.00000275 | 0.00457 | 0.00306 | 0.00273 | 0.0073 | 0.00000568 | 4.22 | 0.00000208 | 0.0000444 | 0.0000666 | 0.000302 | 0.0146 |
| 2059 Apr | 28 | 0.00217 | 0.0591 | 0.000299 | 5.35 | 0.0234 | 4.61 | 0.00000275 | 0.00457 | 0.00306 | 0.00273 | 0.00731 | 0.00000568 | 4.22 | 0.00000208 | 0.0000445 | 0.0000667 | 0.000302 | 0.0146 |
| 2059 May | 27.7 | 0.00223 | 0.0576 | 0.000288 | 5.25 | 0.0233 | 4.55 | 0.00000276 | 0.00448 | 0.00298 | 0.00274 | 0.00726 | 0.00000569 | 4.17 | 0.00000207 | 0.0000441 | 0.0000655 | 0.000299 | 0.0142 |
| 2059 Jun | 28.5 | 0.00287 | 0.0586 | 0.000272 | 5.31 | 0.0239 | 4.65 | 0.00000274 | 0.00427 | 0.00299 | 0.00272 | 0.00757 | 0.00000564 | 4.25 | 0.000002 | 0.0000441 | 0.0000651 | 0.000298 | 0.0135 |
| 2059 Jul | 30.5 | 0.003 | 0.0632 | 0.000299 | 5.73 | 0.0253 | 4.96 | 0.00000286 | 0.00452 | 0.00322 | 0.00284 | 0.00808 | 0.0000059 | 4.55 | 0.0000021 | 0.0000465 | 0.0000701 | 0.000316 | 0.0145 |
| 2059 Aug | 31 | 0.00302 | 0.0642 | 0.00031 | 5.85 | 0.0259 | 5.05 | 0.00000293 | 0.00462 | 0.00327 | 0.00291 | 0.00825 | 0.00000606 | 4.64 | 0.00000214 | 0.0000476 | 0.000072 | 0.000322 | 0.0148 |
| 2059 Sep | 29.1 | 0.00283 | 0.0593 | 0.000306 | 5.51 | 0.0245 | 4.71 | 0.00000286 | 0.00441 | 0.00301 | 0.00284 | 0.00773 | 0.00000589 | 4.36 | 0.00000204 | 0.0000453 | 0.0000683 | 0.000303 | 0.0143 |
| 2059 Oct | 27.1 | 0.00219 | 0.056 | 0.000257 | 5.2 | 0.0229 | 4.37 | 0.00000274 | 0.00439 | 0.00277 | 0.00272 | 0.0071 | 0.00000564 | 4.08 | 0.00000212 | 0.0000428 | 0.0000656 | 0.000291 | 0.0139 |
| 2059 Nov | 27.6 | 0.00204 | 0.0577 | 0.000251 | 5.31 | 0.0232 | 4.45 | 0.00000275 | 0.00451 | 0.00285 | 0.00273 | 0.0072 | 0.00000566 | 4.15 | 0.0000022 | 0.0000433 | 0.0000671 | 0.000297 | 0.0142 |
| 2059 Dec | 27.7 | 0.00203 | 0.058 | 0.00025 | 5.32 | 0.0232 | 4.46 | 0.00000275 | 0.00452 | 0.00286 | 0.00273 | 0.00721 | 0.00000567 | 4.16 | 0.00000221 | 0.0000434 | 0.0000673 | 0.000298 | 0.0142 |
| 2060 Jan | 27.7 | 0.00202 | 0.058 | 0.00025 | 5.32 | 0.0232 | 4.46 | 0.00000275 | 0.00452 | 0.00286 | 0.00273 | 0.00721 | 0.00000567 | 4.16 | 0.00000221 | 0.0000434 | 0.0000673 | 0.000298 | 0.0142 |
| 2060 Feb | 27.7 | 0.00202 | 0.058 | 0.00025 | 5.32 | 0.0233 | 4.47 | 0.00000275 | 0.00452 | 0.00286 | 0.00273 | 0.00721 | 0.00000567 | 4.16 | 0.00000221 | 0.0000434 | 0.0000673 | 0.000298 | 0.0142 |
| 2060 Mar | 27.7 | 0.00202 | 0.058 | 0.00025 | 5.32 | 0.0233 | 4.47 | 0.00000275 | 0.00452 | 0.00286 | 0.00273 | 0.00721 | 0.00000567 | 4.16 | 0.00000221 | 0.0000434 | 0.0000673 | 0.000298 | 0.0142 |
| 2060 Apr | 27.7 | 0.00203 | 0.0581 | 0.00025 | 5.33 | 0.0233 | 4.47 | 0.00000275 | 0.00453 | 0.00286 | 0.00274 | 0.00722 | 0.00000567 | 4.17 | 0.00000221 | 0.0000434 | 0.0000674 | 0.000299 | 0.0142 |
| 2060 May | 27.6 | 0.00256 | 0.0568 | 0.000286 | 5.17 | 0.023 | 4.44 | 0.00000273 | 0.00424 | 0.0028 | 0.00271 | 0.00724 | 0.00000562 | 4.11 | 0.00000207 | 0.0000428 | 0.0000644 | 0.000289 | 0.0135 |
| 2060 Jun | 29.6 | 0.00339 | 0.0627 | 0.000374 | 5.51 | 0.0238 | 4.76 | 0.00000272 | 0.00429 | 0.00313 | 0.00271 | 0.00772 | 0.00000563 | 4.39 | 0.000002 | 0.0000443 | 0.000067 | 0.000299 | 0.0143 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 30.8 | 0.00354 | 0.0651 | 0.000383 | 5.77 | 0.0248 | 4.95 | 0.00000283 | 0.00445 | 0.00325 | 0.00281 | 0.00805 | 0.00000585 | 4.58 | 0.00000208 | 0.000046 | 0.0000705 | 0.000311 | 0.015 |
| 2060 Aug | 28.4 | 0.00289 | 0.0587 | 0.000332 | 5.39 | 0.0233 | 4.53 | 0.00000278 | 0.00428 | 0.00293 | 0.00276 | 0.00748 | 0.00000572 | 4.24 | 0.00000197 | 0.0000436 | 0.0000681 | 0.00029 | 0.0144 |
| 2060 Sep | 26.7 | 0.00171 | 0.0567 | 0.000282 | 5.13 | 0.0219 | 4.23 | 0.00000269 | 0.00433 | 0.00275 | 0.00267 | 0.00693 | 0.00000554 | 4.01 | 0.00000189 | 0.000042 | 0.0000635 | 0.000279 | 0.0145 |
| 2060 Oct | 27.7 | 0.0017 | 0.0604 | 0.000305 | 5.31 | 0.0223 | 4.41 | 0.00000269 | 0.00448 | 0.00292 | 0.00267 | 0.0071 | 0.00000555 | 4.15 | 0.00000198 | 0.0000429 | 0.0000654 | 0.00029 | 0.015 |
| 2060 Nov | 28.1 | 0.00166 | 0.0615 | 0.000312 | 5.39 | 0.0226 | 4.48 | 0.0000027 | 0.00455 | 0.00298 | 0.00268 | 0.00719 | 0.00000557 | 4.21 | 0.00000203 | 0.0000433 | 0.0000666 | 0.000295 | 0.0152 |
| 2060 Dec | 28.1 | 0.00165 | 0.0617 | 0.000313 | 5.4 | 0.0226 | 4.49 | 0.0000027 | 0.00456 | 0.00299 | 0.00268 | 0.0072 | 0.00000557 | 4.21 | 0.00000203 | 0.0000434 | 0.0000667 | 0.000296 | 0.0152 |
| 2061 Jan | 28.1 | 0.00165 | 0.0618 | 0.000313 | 5.4 | 0.0226 | 4.49 | 0.0000027 | 0.00456 | 0.00299 | 0.00268 | 0.0072 | 0.00000557 | 4.21 | 0.00000203 | 0.0000434 | 0.0000668 | 0.000296 | 0.0152 |
| 2061 Feb | 28.1 | 0.00165 | 0.0618 | 0.000313 | 5.4 | 0.0226 | 4.49 | 0.0000027 | 0.00456 | 0.00299 | 0.00268 | 0.0072 | 0.00000557 | 4.22 | 0.00000203 | 0.0000434 | 0.0000668 | 0.000296 | 0.0152 |
| 2061 Mar | 28.2 | 0.00165 | 0.0618 | 0.000313 | 5.4 | 0.0226 | 4.49 | 0.0000027 | 0.00456 | 0.00299 | 0.00268 | 0.0072 | 0.00000557 | 4.22 | 0.00000203 | 0.0000434 | 0.0000668 | 0.000296 | 0.0152 |
| 2061 Apr | 28.2 | 0.00165 | 0.0619 | 0.000314 | 5.41 | 0.0227 | 4.5 | 0.0000027 | 0.00457 | 0.00299 | 0.00269 | 0.00721 | 0.00000558 | 4.22 | 0.00000204 | 0.0000435 | 0.0000669 | 0.000296 | 0.0153 |
| 2061 May | 27.7 | 0.00185 | 0.0593 | 0.000325 | 5.27 | 0.0226 | 4.42 | 0.00000271 | 0.0044 | 0.00287 | 0.00269 | 0.00715 | 0.00000559 | 4.14 | 0.00000202 | 0.0000429 | 0.0000653 | 0.00029 | 0.0146 |
| 2061 Jun | 28.9 | 0.00289 | 0.0594 | 0.000342 | 5.52 | 0.0236 | 4.56 | 0.00000265 | 0.00406 | 0.00292 | 0.00263 | 0.00763 | 0.00000546 | 4.3 | 0.00000191 | 0.0000425 | 0.0000678 | 0.000288 | 0.0138 |
| 2061 Jul | 30 | 0.0024 | 0.0622 | 0.000322 | 5.81 | 0.0244 | 4.72 | 0.00000273 | 0.00424 | 0.00308 | 0.00271 | 0.00792 | 0.00000563 | 4.48 | 0.00000197 | 0.0000439 | 0.0000729 | 0.000297 | 0.0147 |
| 2061 Aug | 29.9 | 0.00221 | 0.0618 | 0.000332 | 5.8 | 0.0245 | 4.71 | 0.00000279 | 0.00433 | 0.00306 | 0.00278 | 0.00792 | 0.00000576 | 4.48 | 0.000002 | 0.0000444 | 0.0000739 | 0.0003 | 0.015 |
| 2061 Sep | 28.5 | 0.00194 | 0.0586 | 0.000329 | 5.53 | 0.0236 | 4.48 | 0.00000276 | 0.00427 | 0.00289 | 0.00275 | 0.00755 | 0.00000569 | 4.28 | 0.00000195 | 0.0000432 | 0.000071 | 0.000289 | 0.0147 |
| 2061 Oct | 26.6 | 0.00169 | 0.0544 | 0.000287 | 5.16 | 0.0223 | 4.18 | 0.00000269 | 0.00423 | 0.00266 | 0.00267 | 0.00699 | 0.00000552 | 4 | 0.000002 | 0.0000413 | 0.000067 | 0.000279 | 0.0141 |
| 2061 Nov | 26.8 | 0.00159 | 0.055 | 0.000272 | 5.19 | 0.0224 | 4.2 | 0.00000269 | 0.00431 | 0.00267 | 0.00267 | 0.00699 | 0.00000553 | 4.02 | 0.00000208 | 0.0000414 | 0.0000676 | 0.000283 | 0.0142 |
| 2061 Dec | 26.8 | 0.00158 | 0.0552 | 0.000271 | 5.2 | 0.0224 | 4.21 | 0.00000269 | 0.00432 | 0.00268 | 0.00267 | 0.007 | 0.00000553 | 4.03 | 0.00000209 | 0.0000414 | 0.0000677 | 0.000283 | 0.0142 |
| 2062 Jan | 26.8 | 0.00158 | 0.0552 | 0.00027 | 5.2 | 0.0224 | 4.21 | 0.00000269 | 0.00432 | 0.00268 | 0.00267 | 0.007 | 0.00000553 | 4.03 | 0.00000209 | 0.0000414 | 0.0000677 | 0.000283 | 0.0142 |
| 2062 Feb | 26.8 | 0.00158 | 0.0552 | 0.00027 | 5.2 | 0.0224 | 4.21 | 0.00000269 | 0.00432 | 0.00268 | 0.00267 | 0.007 | 0.00000553 | 4.03 | 0.00000209 | 0.0000414 | 0.0000677 | 0.000283 | 0.0142 |
| 2062 Mar | 26.8 | 0.00158 | 0.0552 | 0.00027 | 5.21 | 0.0224 | 4.21 | 0.00000269 | 0.00433 | 0.00268 | 0.00267 | 0.00701 | 0.00000553 | 4.03 | 0.00000209 | 0.0000414 | 0.0000678 | 0.000283 | 0.0142 |
| 2062 Apr | 26.9 | 0.00158 | 0.0553 | 0.000271 | 5.21 | 0.0224 | 4.21 | 0.00000269 | 0.00433 | 0.00268 | 0.00268 | 0.00701 | 0.00000553 | 4.03 | 0.00000209 | 0.0000415 | 0.0000678 | 0.000284 | 0.0142 |
| 2062 May | 27 | 0.00159 | 0.0555 | 0.000272 | 5.23 | 0.0225 | 4.23 | 0.0000027 | 0.00435 | 0.00269 | 0.00269 | 0.00704 | 0.00000555 | 4.05 | 0.0000021 | 0.0000416 | 0.0000681 | 0.000285 | 0.0143 |
| 2062 Jun | 27.8 | 0.00236 | 0.0559 | 0.000263 | 5.44 | 0.0232 | 4.3 | 0.00000265 | 0.00394 | 0.00264 | 0.00263 | 0.0074 | 0.00000545 | 4.16 | 0.00000194 | 0.000041 | 0.000068 | 0.000277 | 0.0134 |
| 2062 Jul | 30.6 | 0.00216 | 0.0644 | 0.000231 | 5.96 | 0.0249 | 4.74 | 0.00000272 | 0.00436 | 0.00304 | 0.0027 | 0.00809 | 0.00000561 | 4.56 | 0.00000197 | 0.0000442 | 0.000074 | 0.000304 | 0.015 |
| 2062 Aug | 30.1 | 0.00193 | 0.0631 | 0.00024 | 5.86 | 0.0247 | 4.67 | 0.00000277 | 0.00448 | 0.00299 | 0.00275 | 0.00798 | 0.0000057 | 4.49 | 0.00000198 | 0.0000445 | 0.0000737 | 0.000305 | 0.0152 |
| 2062 Sep | 26.9 | 0.00161 | 0.0558 | 0.000264 | 5.23 | 0.0227 | 4.19 | 0.00000269 | 0.00441 | 0.00264 | 0.00267 | 0.00713 | 0.00000552 | 4.04 | 0.00000187 | 0.000042 | 0.0000661 | 0.000286 | 0.0144 |
| 2062 Oct | 26.3 | 0.00163 | 0.0545 | 0.000345 | 5.08 | 0.0223 | 4.1 | 0.00000263 | 0.00457 | 0.00255 | 0.0026 | 0.00685 | 0.00000539 | 3.93 | 0.00000212 | 0.0000411 | 0.0000658 | 0.000292 | 0.0141 |
| 2062 Nov | 27.1 | 0.00155 | 0.0568 | 0.000368 | 5.26 | 0.0229 | 4.23 | 0.00000264 | 0.00474 | 0.00266 | 0.00262 | 0.00704 | 0.00000543 | 4.05 | 0.00000224 | 0.0000419 | 0.0000685 | 0.000302 | 0.0145 |
| 2062 Dec | 27.2 | 0.00154 | 0.0571 | 0.00037 | 5.28 | 0.023 | 4.25 | 0.00000265 | 0.00475 | 0.00268 | 0.00262 | 0.00706 | 0.00000543 | 4.07 | 0.00000224 | 0.000042 | 0.0000687 | 0.000303 | 0.0146 |
| 2063 Jan | 27.2 | 0.00154 | 0.0572 | 0.00037 | 5.28 | 0.023 | 4.25 | 0.00000265 | 0.00475 | 0.00268 | 0.00262 | 0.00707 | 0.00000543 | 4.07 | 0.00000225 | 0.0000421 | 0.0000688 | 0.000303 | 0.0146 |
| 2063 Feb | 27.2 | 0.00154 | 0.0572 | 0.00037 | 5.28 | 0.023 | 4.25 | 0.00000265 | 0.00475 | 0.00268 | 0.00262 | 0.00707 | 0.00000543 | 4.07 | 0.00000225 | 0.0000421 | 0.0000688 | 0.000303 | 0.0146 |
| 2063 Mar | 27.2 | 0.00154 | 0.0572 | 0.00037 | 5.28 | 0.023 | 4.25 | 0.00000265 | 0.00476 | 0.00268 | 0.00262 | 0.00707 | 0.00000543 | 4.07 | 0.00000225 | 0.0000421 | 0.0000688 | 0.000303 | 0.0146 |
| 2063 Apr | 27.2 | 0.00154 | 0.0572 | 0.00037 | 5.28 | 0.023 | 4.25 | 0.00000265 | 0.00476 | 0.00268 | 0.00262 | 0.00707 | 0.00000543 | 4.07 | 0.00000225 | 0.0000421 | 0.0000688 | 0.000303 | 0.0146 |
| 2063 May | 27.3 | 0.00163 | 0.0571 | 0.000376 | 5.28 | 0.0231 | 4.27 | 0.00000266 | 0.00473 | 0.00268 | 0.00264 | 0.00711 | 0.00000547 | 4.08 | 0.00000224 | 0.0000422 | 0.0000688 | 0.000303 | 0.0145 |
| 2063 Jun | 27.7 | 0.003 | 0.0548 | 0.000332 | 5.39 | 0.0234 | 4.24 | 0.00000261 | 0.00394 | 0.00253 | 0.00258 | 0.00746 | 0.00000534 | 4.12 | 0.00000183 | 0.0000406 | 0.0000668 | 0.000279 | 0.0131 |
| 2063 Jul | 30.1 | 0.0025 | 0.0623 | 0.000302 | 5.9 | 0.0248 | 4.6 | 0.0000027 | 0.00427 | 0.00286 | 0.00268 | 0.00802 | 0.00000555 | 4.48 | 0.00000192 | 0.0000432 | 0.0000732 | 0.000299 | 0.0147 |
| 2063 Aug | 31 | 0.00252 | 0.064 | 0.000304 | 6.07 | 0.0255 | 4.73 | 0.00000281 | 0.00443 | 0.00294 | 0.00278 | 0.00826 | 0.00000577 | 4.62 | 0.00000199 | 0.0000447 | 0.0000758 | 0.000309 | 0.0152 |
| 2063 Sep | 31.2 | 0.0025 | 0.064 | 0.000301 | 6.1 | 0.0257 | 4.75 | 0.00000285 | 0.00448 | 0.00294 | 0.00283 | 0.0083 | 0.00000586 | 4.64 | 0.00000202 | 0.0000452 | 0.0000763 | 0.000311 | 0.0154 |
| 2063 Oct | 30.2 | 0.00237 | 0.0616 | 0.000286 | 5.92 | 0.0251 | 4.61 | 0.00000283 | 0.00441 | 0.00283 | 0.0028 | 0.00805 | 0.0000058 | 4.51 | 0.00000201 | 0.0000442 | 0.0000747 | 0.000304 | 0.0151 |
| 2063 Nov | 30.1 | 0.00234 | 0.0612 | 0.000282 | 5.89 | 0.025 | 4.59 | 0.00000283 | 0.00441 | 0.00281 | 0.0028 | 0.00801 | 0.0000058 | 4.49 | 0.00000202 | 0.0000441 | 0.0000745 | 0.000303 | 0.015 |
| 2063 Dec | 30.1 | 0.00234 | 0.0612 | 0.000282 | 5.89 | 0.025 | 4.58 | 0.00000283 | 0.00441 | 0.00281 | 0.0028 | 0.00801 | 0.0000058 | 4.48 | 0.00000202 | 0.0000441 | 0.0000745 | 0.000303 | 0.015 |
| 2064 Jan | 30.1 | 0.00233 | 0.0612 | 0.000281 | 5.89 | 0.025 | 4.58 | 0.00000282 | 0.00441 | 0.00281 | 0.0028 | 0.00801 | 0.0000058 | 4.48 | 0.00000202 | 0.0000441 | 0.0000745 | 0.000303 | 0.015 |
| 2064 Feb | 30.1 | 0.00233 | 0.0612 | 0.000281 | 5.89 | 0.025 | 4.58 | 0.00000282 | 0.0044 | 0.00281 | 0.0028 | 0.00801 | 0.0000058 | 4.48 | 0.00000202 | 0.0000441 | 0.0000745 | 0.000303 | 0.015 |
| 2064 Mar | 30.1 | 0.00233 | 0.0612 | 0.000281 | 5.89 | 0.025 | 4.58 | 0.00000283 | 0.00441 | 0.00281 | 0.0028 | 0.00801 | 0.0000058 | 4.48 | 0.00000202 | 0.0000441 | 0.0000745 | 0.000303 | 0.015 |
| 2064 Apr | 30.1 | 0.00234 | 0.0612 | 0.000282 | 5.89 | 0.025 | 4.58 | 0.00000283 | 0.00441 | 0.00281 | 0.00281 | 0.00801 | 0.0000058 | 4.49 | 0.00000202 | 0.0000441 | 0.0000745 | 0.000303 | 0.015 |
| 2064 May | 28.5 | 0.00247 | 0.0569 | 0.00028 | 5.5 | 0.0239 | 4.33 | 0.00000277 | 0.00417 | 0.00259 | 0.00275 | 0.00761 | 0.00000567 | 4.23 | 0.00000195 | 0.0000423 | 0.0000695 | 0.000288 | 0.014 |
| 2064 Jun | 28.8 | 0.00317 | 0.0595 | 0.000339 | 5.46 | 0.0237 | 4.37 | 0.00000271 | 0.00424 | 0.00261 | 0.00268 | 0.00763 | 0.00000555 | 4.24 | 0.00000189 | 0.0000424 | 0.0000671 | 0.000292 | 0.0141 |
| 2064 Jul | 29.9 | 0.00326 | 0.0614 | 0.000335 | 5.7 | 0.0247 | 4.52 | 0.00000281 | 0.00441 | 0.00269 | 0.00279 | 0.00794 | 0.00000576 | 4.41 | 0.00000196 | 0.000044 | 0.0000705 | 0.000303 | 0.0146 |
| 2064 Aug | 29.2 | 0.00303 | 0.0592 | 0.000312 | 5.61 | 0.0245 | 4.42 | 0.00000284 | 0.00443 | 0.0026 | 0.00281 | 0.00782 | 0.00000581 | 4.33 | 0.00000195 | 0.0000437 | 0.0000709 | 0.0003 | 0.0146 |
| 2064 Sep | 26.7 | 0.00257 | 0.0532 | 0.000269 | 5.16 | 0.0228 | 4.02 | 0.00000275 | 0.00427 | 0.00231 | 0.00273 | 0.00717 | 0.00000562 | 3.97 | 0.00000185 | 0.0000414 | 0.0000658 | 0.000281 | 0.0138 |
| 2064 Oct | 26.2 | 0.00241 | 0.0526 | 0.000256 | 5.07 | 0.0225 | 3.95 | 0.00000274 | 0.00431 | 0.00226 | 0.00272 | 0.00702 | 0.00000559 | 3.91 | 0.00000183 | 0.0000411 | 0.0000645 | 0.000279 | 0.0138 |
| 2064 Nov | 26.3 | 0.00241 | 0.0529 | 0.000256 | 5.09 | 0.0226 | 3.97 | 0.00000275 | 0.00433 | 0.00227 | 0.00272 | 0.00704 | 0.0000056 | 3.92 | 0.00000184 | 0.0000412 | 0.0000647 | 0.00028 | 0.0139 |
| 2064 Dec | 26.3 | 0.0024 | 0.0529 | 0.000256 | 5.09 | 0.0226 | 3.97 | 0.00000275 | 0.00433 | 0.00227 | 0.00272 | 0.00704 | 0.00000561 | 3.92 | 0.00000184 | 0.0000412 | 0.0000647 | 0.00028 | 0.0139 |
| 2065 Jan | 26.3 | 0.0024 | 0.0529 | 0.000256 | 5.09 | 0.0226 | 3.97 | 0.00000275 | 0.00433 | 0.00227 | 0.00272 | 0.00705 | 0.00000561 | 3.92 | 0.00000184 | 0.0000412 | 0.0000647 | 0.00028 | 0.0139 |
| 2065 Feb | 26.3 | 0.0024 | 0.0529 | 0.000256 | 5.1 | 0.0226 | 3.97 | 0.00000275 | 0.00433 | 0.00227 | 0.00272 | 0.00705 | 0.00000561 | 3.92 | 0.00000184 | 0.0000412 | 0.0000647 | 0.000281 | 0.0139 |
| 2065 Mar | 26.3 | 0.0024 | 0.053 | 0.000256 | 5.1 | 0.0226 | 3.97 | 0.00000275 | 0.00433 | 0.00227 | 0.00272 | 0.00705 | 0.00000561 | 3.92 | 0.00000184 | 0.0000413 | 0.0000647 | 0.000281 | 0.0139 |
| 2065 Apr | 26.4 | 0.0024 | 0.053 | 0.000257 | 5.11 | 0.0226 | 3.98 | 0.00000275 | 0.00434 | 0.00228 | 0.00273 | 0.00706 | 0.00000562 | 3.93 | 0.00000184 | 0.0000413 | 0.0000648 | 0.000281 | 0.0139 |
| 2065 May | 26.2 | 0.0024 | 0.0525 | 0.000259 | 5.04 | 0.0226 | 3.96 | 0.00000276 | 0.00429 | 0.00223 | 0.00273 | 0.00703 | 0.00000562 | 3.9 | 0.00000184 | 0.0000412 | 0.0000636 | 0.00028 | 0.0137 |
| 2065 Jun | 28.2 | 0.00267 | 0.057 | 0.000255 | 5.49 | 0.0239 | 4.19 | 0.00000266 | 0.00409 | 0.00233 | 0.00264 | 0.00762 | 0.00000544 | 4.16 | 0.00000181 | 0.0000411 | 0.0000667 | 0.000285 | 0.0132 |
| 2065 Jul | 30.9 | 0.00251 | 0.0644 | 0.00026 | 6.07 | 0.0257 | 4.58 | 0.0000028 | 0.00447 | 0.00264 | 0.00277 | 0.00829 | 0.00000572 | 4.56 | 0.00000194 | 0.0000442 | 0.0000739 | 0.000309 | 0.0148 |
| 2065 Aug | 31.4 | 0.00249 | 0.065 | 0.000271 | 6.16 | 0.0261 | 4.65 | 0.00000288 | 0.00458 | 0.00267 | 0.00285 | 0.00842 | 0.00000588 | 4.63 | 0.00000199 | 0.0000451 | 0.0000755 | 0.000315 | 0.0151 |
| 2065 Sep | 29.6 | 0.00237 | 0.0604 | 0.000275 | 5.81 | 0.0249 | 4.38 | 0.00000283 | 0.00441 | 0.00249 | 0.0028 | 0.00794 | 0.00000578 | 4.38 | 0.00000192 | 0.0000435 | 0.0000718 | 0.0003 | 0.0146 |
| 2065 Oct | 26.4 | 0.00193 | 0.0535 | 0.000312 | 5.19 | 0.0226 | 3.92 | 0.00000269 | 0.00429 | 0.00218 | 0.00266 | 0.007 | 0.00000548 | 3.93 | 0.00000201 | 0.0000401 | 0.000066 | 0.00028 | 0.0136 |
| 2065 Nov | 26.9 | 0.00173 | 0.0551 | 0.000335 | 5.28 | 0.0228 | 3.98 | 0.00000269 | 0.00445 | 0.00224 | 0.00266 | 0.00706 | 0.00000548 | 3.98 | 0.00000214 | 0.0000405 | 0.0000676 | 0.000288 | 0.0139 |

**Appendix D18. Lake A76**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 27 | 0.00171 | 0.0555 | 0.000338 | 5.3 | 0.0229 | 4 | 0.00000269 | 0.00447 | 0.00225 | 0.00266 | 0.00709 | 0.00000548 | 4 | 0.00000214 | 0.0000406 | 0.0000679 | 0.000289 | 0.0139 |
| 2066 Jan | 27 | 0.00171 | 0.0557 | 0.000339 | 5.31 | 0.0229 | 4 | 0.00000269 | 0.00448 | 0.00226 | 0.00266 | 0.00709 | 0.00000548 | 4.01 | 0.00000215 | 0.0000406 | 0.000068 | 0.000289 | 0.0139 |
| 2066 Feb | 27.1 | 0.0017 | 0.0557 | 0.000339 | 5.31 | 0.0229 | 4 | 0.00000269 | 0.00448 | 0.00226 | 0.00267 | 0.0071 | 0.00000549 | 4.01 | 0.00000215 | 0.0000407 | 0.0000681 | 0.00029 | 0.014 |
| 2066 Mar | 27.1 | 0.00171 | 0.0558 | 0.000339 | 5.32 | 0.0229 | 4.01 | 0.00000269 | 0.00449 | 0.00226 | 0.00267 | 0.00711 | 0.00000549 | 4.01 | 0.00000215 | 0.0000407 | 0.0000681 | 0.00029 | 0.014 |
| 2066 Apr | 27.1 | 0.00171 | 0.0559 | 0.00034 | 5.32 | 0.023 | 4.01 | 0.00000269 | 0.00449 | 0.00226 | 0.00267 | 0.00711 | 0.00000549 | 4.02 | 0.00000215 | 0.0000407 | 0.0000682 | 0.00029 | 0.014 |
| 2066 May | 27 | 0.00181 | 0.0551 | 0.000346 | 5.27 | 0.0229 | 3.99 | 0.0000027 | 0.00443 | 0.00223 | 0.00268 | 0.0071 | 0.00000551 | 3.99 | 0.00000213 | 0.0000406 | 0.0000674 | 0.000288 | 0.0138 |
| 2066 Jun | 28.4 | 0.00323 | 0.0577 | 0.000387 | 5.45 | 0.0238 | 4.2 | 0.00000268 | 0.00426 | 0.00235 | 0.00266 | 0.00761 | 0.00000547 | 4.17 | 0.00000185 | 0.0000416 | 0.0000666 | 0.000291 | 0.0136 |
| 2066 Jul | 31 | 0.00335 | 0.0634 | 0.000382 | 6 | 0.0259 | 4.57 | 0.00000287 | 0.00462 | 0.00259 | 0.00284 | 0.0083 | 0.00000587 | 4.55 | 0.00000198 | 0.0000449 | 0.0000736 | 0.000315 | 0.015 |
| 2066 Aug | 30.5 | 0.00318 | 0.0618 | 0.000371 | 5.94 | 0.0257 | 4.5 | 0.00000291 | 0.00461 | 0.00253 | 0.00288 | 0.00821 | 0.00000593 | 4.5 | 0.00000198 | 0.0000448 | 0.0000734 | 0.000312 | 0.0149 |
| 2066 Sep | 28.5 | 0.00292 | 0.0566 | 0.000347 | 5.57 | 0.0244 | 4.2 | 0.00000285 | 0.00441 | 0.00232 | 0.00283 | 0.0077 | 0.00000581 | 4.22 | 0.00000191 | 0.0000429 | 0.0000693 | 0.000295 | 0.0143 |
| 2066 Oct | 25.9 | 0.00241 | 0.051 | 0.000308 | 5.06 | 0.0224 | 3.81 | 0.00000273 | 0.00422 | 0.00204 | 0.00271 | 0.00693 | 0.00000556 | 3.85 | 0.00000188 | 0.0000401 | 0.0000637 | 0.000275 | 0.0134 |
| 2066 Nov | 26.1 | 0.00208 | 0.0524 | 0.000285 | 5.12 | 0.0225 | 3.83 | 0.00000272 | 0.00436 | 0.00207 | 0.00269 | 0.00694 | 0.00000553 | 3.87 | 0.00000201 | 0.0000401 | 0.000065 | 0.000281 | 0.0136 |
| 2066 Dec | 26.2 | 0.00206 | 0.0528 | 0.000283 | 5.15 | 0.0226 | 3.85 | 0.00000272 | 0.00439 | 0.00208 | 0.00269 | 0.00697 | 0.00000553 | 3.89 | 0.00000202 | 0.0000403 | 0.0000653 | 0.000282 | 0.0136 |
| 2067 Jan | 26.3 | 0.00205 | 0.0529 | 0.000282 | 5.15 | 0.0226 | 3.86 | 0.00000272 | 0.00439 | 0.00209 | 0.00269 | 0.00697 | 0.00000553 | 3.89 | 0.00000202 | 0.0000403 | 0.0000653 | 0.000283 | 0.0136 |
| 2067 Feb | 26.3 | 0.00205 | 0.053 | 0.000282 | 5.15 | 0.0226 | 3.86 | 0.00000272 | 0.0044 | 0.00209 | 0.00269 | 0.00698 | 0.00000553 | 3.9 | 0.00000202 | 0.0000403 | 0.0000654 | 0.000283 | 0.0137 |
| 2067 Mar | 26.3 | 0.00205 | 0.053 | 0.000282 | 5.16 | 0.0226 | 3.86 | 0.00000272 | 0.0044 | 0.00209 | 0.0027 | 0.00698 | 0.00000554 | 3.9 | 0.00000202 | 0.0000403 | 0.0000654 | 0.000283 | 0.0137 |
| 2067 Apr | 26.3 | 0.00205 | 0.0531 | 0.000282 | 5.16 | 0.0227 | 3.87 | 0.00000272 | 0.00441 | 0.00209 | 0.0027 | 0.00699 | 0.00000554 | 3.9 | 0.00000202 | 0.0000404 | 0.0000655 | 0.000283 | 0.0137 |
| 2067 May | 26.4 | 0.00212 | 0.0529 | 0.000259 | 5.12 | 0.0228 | 3.88 | 0.00000274 | 0.00434 | 0.00207 | 0.00271 | 0.00703 | 0.00000557 | 3.9 | 0.00000202 | 0.0000404 | 0.0000647 | 0.000283 | 0.0134 |
| 2067 Jun | 27.7 | 0.00306 | 0.0563 | 0.000303 | 5.3 | 0.0235 | 4.06 | 0.00000268 | 0.00418 | 0.00217 | 0.00265 | 0.00747 | 0.00000546 | 4.06 | 0.00000182 | 0.0000408 | 0.0000644 | 0.000285 | 0.0132 |
| 2067 Jul | 29.8 | 0.00306 | 0.0613 | 0.000342 | 5.75 | 0.025 | 4.34 | 0.00000282 | 0.00449 | 0.00237 | 0.00279 | 0.008 | 0.00000574 | 4.36 | 0.00000192 | 0.0000434 | 0.0000704 | 0.000304 | 0.0144 |
| 2067 Aug | 26.9 | 0.00206 | 0.0545 | 0.000325 | 5.26 | 0.023 | 3.89 | 0.00000277 | 0.00437 | 0.0021 | 0.00274 | 0.00728 | 0.00000563 | 3.98 | 0.00000182 | 0.000041 | 0.000069 | 0.000281 | 0.014 |
| 2067 Sep | 26.9 | 0.00182 | 0.0552 | 0.000308 | 5.28 | 0.0229 | 3.89 | 0.00000278 | 0.00445 | 0.00211 | 0.00276 | 0.00725 | 0.00000566 | 3.98 | 0.00000183 | 0.0000412 | 0.0000689 | 0.000282 | 0.0143 |
| 2067 Oct | 26.6 | 0.00161 | 0.0551 | 0.000283 | 5.22 | 0.0226 | 3.84 | 0.00000274 | 0.00446 | 0.0021 | 0.00272 | 0.00711 | 0.00000558 | 3.94 | 0.00000187 | 0.0000407 | 0.0000677 | 0.000281 | 0.0143 |
| 2067 Nov | 26.8 | 0.00154 | 0.0557 | 0.000277 | 5.25 | 0.0226 | 3.86 | 0.00000274 | 0.00451 | 0.00211 | 0.00272 | 0.00713 | 0.00000558 | 3.96 | 0.0000019 | 0.0000408 | 0.000068 | 0.000283 | 0.0144 |
| 2067 Dec | 26.8 | 0.00154 | 0.0559 | 0.000276 | 5.26 | 0.0227 | 3.87 | 0.00000274 | 0.00452 | 0.00212 | 0.00272 | 0.00714 | 0.00000558 | 3.96 | 0.0000019 | 0.0000409 | 0.0000681 | 0.000284 | 0.0144 |
| 2068 Jan | 26.8 | 0.00154 | 0.0559 | 0.000276 | 5.26 | 0.0227 | 3.87 | 0.00000274 | 0.00452 | 0.00212 | 0.00272 | 0.00714 | 0.00000558 | 3.96 | 0.0000019 | 0.0000409 | 0.0000681 | 0.000284 | 0.0144 |
| 2068 Feb | 26.8 | 0.00153 | 0.0559 | 0.000276 | 5.27 | 0.0227 | 3.87 | 0.00000274 | 0.00452 | 0.00212 | 0.00272 | 0.00714 | 0.00000558 | 3.96 | 0.00000191 | 0.0000409 | 0.0000681 | 0.000284 | 0.0144 |
| 2068 Mar | 26.8 | 0.00153 | 0.056 | 0.000276 | 5.27 | 0.0227 | 3.87 | 0.00000274 | 0.00452 | 0.00212 | 0.00272 | 0.00715 | 0.00000558 | 3.97 | 0.00000191 | 0.0000409 | 0.0000682 | 0.000284 | 0.0144 |
| 2068 Apr | 26.9 | 0.00154 | 0.0561 | 0.000277 | 5.28 | 0.0228 | 3.88 | 0.00000275 | 0.00454 | 0.00213 | 0.00273 | 0.00716 | 0.0000056 | 3.98 | 0.00000191 | 0.000041 | 0.0000683 | 0.000285 | 0.0144 |
| 2068 May | 26.4 | 0.00185 | 0.0539 | 0.000281 | 5.12 | 0.0226 | 3.82 | 0.00000274 | 0.00435 | 0.00203 | 0.00271 | 0.00707 | 0.00000557 | 3.89 | 0.00000188 | 0.0000404 | 0.0000654 | 0.000279 | 0.0137 |
| 2068 Jun | 28.6 | 0.00308 | 0.0592 | 0.000309 | 5.51 | 0.0236 | 4.12 | 0.00000265 | 0.00425 | 0.00226 | 0.00262 | 0.00762 | 0.0000054 | 4.17 | 0.0000018 | 0.0000409 | 0.000067 | 0.000288 | 0.0138 |
| 2068 Jul | 30.4 | 0.00305 | 0.0629 | 0.000287 | 5.93 | 0.0251 | 4.37 | 0.00000278 | 0.00445 | 0.00242 | 0.00275 | 0.00812 | 0.00000567 | 4.45 | 0.00000189 | 0.0000431 | 0.0000724 | 0.000304 | 0.0148 |
| 2068 Aug | 31.3 | 0.00309 | 0.0645 | 0.000295 | 6.12 | 0.026 | 4.51 | 0.0000029 | 0.00461 | 0.00248 | 0.00287 | 0.00838 | 0.00000591 | 4.59 | 0.00000196 | 0.0000446 | 0.0000749 | 0.000314 | 0.0153 |
| 2068 Sep | 29.9 | 0.00289 | 0.0606 | 0.000284 | 5.86 | 0.025 | 4.3 | 0.00000287 | 0.00446 | 0.00234 | 0.00284 | 0.00802 | 0.00000584 | 4.4 | 0.00000191 | 0.0000433 | 0.000072 | 0.000301 | 0.0148 |
| 2068 Oct | 29.3 | 0.00281 | 0.059 | 0.000281 | 5.75 | 0.0247 | 4.22 | 0.00000286 | 0.00441 | 0.00228 | 0.00283 | 0.00787 | 0.00000582 | 4.32 | 0.0000019 | 0.0000428 | 0.0000709 | 0.000296 | 0.0146 |
| 2068 Nov | 29.4 | 0.00282 | 0.0591 | 0.000281 | 5.76 | 0.0247 | 4.22 | 0.00000287 | 0.00441 | 0.00228 | 0.00284 | 0.00789 | 0.00000583 | 4.33 | 0.0000019 | 0.0000429 | 0.000071 | 0.000297 | 0.0146 |
| 2068 Dec | 29.4 | 0.00282 | 0.0591 | 0.000281 | 5.76 | 0.0247 | 4.22 | 0.00000287 | 0.00441 | 0.00228 | 0.00284 | 0.00788 | 0.00000583 | 4.33 | 0.0000019 | 0.0000429 | 0.000071 | 0.000297 | 0.0146 |
| 2069 Jan | 29.4 | 0.00282 | 0.0591 | 0.000281 | 5.76 | 0.0247 | 4.22 | 0.00000287 | 0.00441 | 0.00228 | 0.00284 | 0.00788 | 0.00000583 | 4.32 | 0.0000019 | 0.0000429 | 0.000071 | 0.000297 | 0.0146 |
| 2069 Feb | 29.4 | 0.00281 | 0.0591 | 0.000281 | 5.76 | 0.0247 | 4.22 | 0.00000286 | 0.00441 | 0.00228 | 0.00284 | 0.00788 | 0.00000583 | 4.32 | 0.0000019 | 0.0000429 | 0.000071 | 0.000297 | 0.0146 |
| 2069 Mar | 29.3 | 0.00281 | 0.0591 | 0.000281 | 5.75 | 0.0247 | 4.22 | 0.00000286 | 0.00441 | 0.00228 | 0.00284 | 0.00788 | 0.00000583 | 4.32 | 0.0000019 | 0.0000429 | 0.000071 | 0.000297 | 0.0146 |
| 2069 Apr | 29.3 | 0.00281 | 0.0591 | 0.000281 | 5.76 | 0.0247 | 4.22 | 0.00000287 | 0.00441 | 0.00228 | 0.00284 | 0.00788 | 0.00000583 | 4.32 | 0.0000019 | 0.0000429 | 0.000071 | 0.000297 | 0.0146 |
| 2069 May | 29.4 | 0.00282 | 0.0589 | 0.000282 | 5.75 | 0.0248 | 4.22 | 0.00000288 | 0.00442 | 0.00227 | 0.00286 | 0.00789 | 0.00000587 | 4.33 | 0.00000191 | 0.000043 | 0.000071 | 0.000297 | 0.0146 |
| 2069 Jun | 26.5 | 0.00277 | 0.0501 | 0.000239 | 5.21 | 0.0231 | 3.78 | 0.00000272 | 0.0037 | 0.00182 | 0.00269 | 0.00729 | 0.00000551 | 3.9 | 0.00000173 | 0.0000389 | 0.0000634 | 0.000263 | 0.0121 |
| 2069 Jul | 29.3 | 0.00271 | 0.0578 | 0.00023 | 5.79 | 0.0251 | 4.16 | 0.00000286 | 0.00411 | 0.00206 | 0.00283 | 0.00799 | 0.00000581 | 4.3 | 0.00000186 | 0.000042 | 0.0000699 | 0.000289 | 0.0135 |
| 2069 Aug | 28.9 | 0.00249 | 0.057 | 0.000233 | 5.72 | 0.0248 | 4.09 | 0.00000288 | 0.00418 | 0.00203 | 0.00286 | 0.00787 | 0.00000586 | 4.25 | 0.00000186 | 0.0000421 | 0.0000694 | 0.000288 | 0.0136 |
| 2069 Sep | 26.5 | 0.00186 | 0.0531 | 0.000243 | 5.24 | 0.0227 | 3.74 | 0.00000276 | 0.00415 | 0.00187 | 0.00274 | 0.00713 | 0.0000056 | 3.91 | 0.00000177 | 0.0000398 | 0.0000635 | 0.000271 | 0.0135 |
| 2069 Oct | 26.6 | 0.00178 | 0.0548 | 0.000262 | 5.26 | 0.0225 | 3.75 | 0.00000275 | 0.00426 | 0.00191 | 0.00272 | 0.00709 | 0.00000558 | 3.92 | 0.00000177 | 0.00004 | 0.0000634 | 0.000274 | 0.0138 |
| 2069 Nov | 26.8 | 0.00176 | 0.0554 | 0.000265 | 5.29 | 0.0226 | 3.78 | 0.00000275 | 0.00429 | 0.00193 | 0.00273 | 0.00712 | 0.00000559 | 3.94 | 0.00000178 | 0.0000402 | 0.0000637 | 0.000275 | 0.014 |
| 2069 Dec | 26.8 | 0.00176 | 0.0554 | 0.000265 | 5.29 | 0.0226 | 3.78 | 0.00000275 | 0.0043 | 0.00193 | 0.00273 | 0.00713 | 0.00000559 | 3.94 | 0.00000178 | 0.0000402 | 0.0000637 | 0.000276 | 0.014 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000212 | 1.23 | 0.00101 | 1.68 | 0.0308 | 0.000684 | 0.976 | 0.00231 | 0.00157 | 0.0000308 | 0.000202 | 0.000053 | 0.0405 | 0.0000035 | 0.000145 | 0.000361 | 0.00102 | 1.39E-15 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000239 | 1.56 | 0.00141 | 1.95 | 0.0423 | 0.000956 | 1.31 | 0.00418 | 0.00221 | 0.0000459 | 0.00046 | 0.0000915 | 0.0571 | 0.00000536 | 0.000191 | 0.000544 | 0.00131 | 0.00115 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000262 | 1.8 | 0.00172 | 2.19 | 0.0556 | 0.0011 | 1.59 | 0.00553 | 0.00283 | 0.0000771 | 0.000714 | 0.000122 | 0.071 | 0.0000079 | 0.000219 | 0.000696 | 0.00156 | 0.00189 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000127 | 0.674 | 0.000493 | 0.913 | 0.00504 | 0.000107 | 0.559 | 0.000482 | 0.000974 | 0.0000144 | 0.0000425 | 0.0000246 | 0.0194 | 0.00000252 | 0.0000245 | 0.000129 | 0.000759 | 0.000017 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000146 | 0.786 | 0.000596 | 1.06 | 0.00988 | 0.000204 | 0.641 | 0.001 | 0.00127 | 0.0000321 | 0.000068 | 0.0000351 | 0.0237 | 0.00000278 | 0.0000448 | 0.00017 | 0.000851 | 0.000223 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.00000245 | 1.45 | 0.00123 | 1.93 | 0.0433 | 0.000887 | 1.13 | 0.00462 | 0.00261 | 0.0000807 | 0.000238 | 0.000105 | 0.0489 | 0.00000388 | 0.000183 | 0.000427 | 0.00113 | 0.00165 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000146 | 0.757 | 0.000667 | 0.945 | 0.00824 | 0.000219 | 0.537 | 0.00109 | 0.00145 | 0.0000167 | 0.0000588 | 0.0000285 | 0.0234 | 0.0000027 | 0.0000552 | 0.000149 | 0.000816 | 0.0000336 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000172 | 0.846 | 0.00076 | 1.09 | 0.0106 | 0.00031 | 0.61 | 0.00162 | 0.00163 | 0.0000339 | 0.0000722 | 0.000036 | 0.0266 | 0.00000286 | 0.0000666 | 0.000166 | 0.00088 | 0.0000767 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.00000189 | 1.2 | 0.000993 | 1.5 | 0.0144 | 0.00043 | 0.884 | 0.00239 | 0.00191 | 0.0000907 | 0.0000888 | 0.0000494 | 0.0394 | 0.00000307 | 0.0000806 | 0.000184 | 0.000948 | 0.000136 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000228 | 1.67 | 0.00149 | 1.84 | 0.0376 | 0.00069 | 1.5 | 0.00268 | 0.00189 | 0.0000438 | 0.000704 | 0.0000618 | 0.0604 | 0.00000789 | 0.000166 | 0.00061 | 0.00148 | |
| 2024 Feb | 0.00000228 | 1.67 | 0.00149 | 1.84 | 0.0376 | 0.00069 | 1.5 | 0.00268 | 0.00189 | 0.0000438 | 0.000704 | 0.0000618 | 0.0604 | 0.00000789 | 0.000166 | 0.00061 | 0.00148 | |
| 2024 Mar | 0.00000228 | 1.67 | 0.00149 | 1.84 | 0.0376 | 0.00069 | 1.5 | 0.00268 | 0.00189 | 0.0000438 | 0.000704 | 0.0000618 | 0.0604 | 0.00000789 | 0.000166 | 0.00061 | 0.00148 | |
| 2024 Apr | 0.00000228 | 1.68 | 0.0015 | 1.84 | 0.0377 | 0.000693 | 1.5 | 0.00268 | 0.00189 | 0.000044 | 0.000706 | 0.0000619 | 0.0606 | 0.0000079 | 0.000166 | 0.000612 | 0.00149 | 1.39E-15 |
| 2024 May | 0.00000224 | 1.63 | 0.00146 | 1.79 | 0.036 | 0.000684 | 1.46 | 0.00258 | 0.00181 | 0.0000436 | 0.000679 | 0.0000594 | 0.0591 | 0.00000759 | 0.000162 | 0.000599 | 0.00146 | 0.000000303 |
| 2024 Jun | 0.00000214 | 1.49 | 0.00139 | 1.68 | 0.0308 | 0.000714 | 1.34 | 0.00231 | 0.00157 | 0.0000378 | 0.000589 | 0.000053 | 0.0569 | 0.00000638 | 0.000155 | 0.000572 | 0.00138 | 0.0000759 |
| 2024 Jul | 0.00000235 | 1.72 | 0.00162 | 1.92 | 0.0368 | 0.000885 | 1.53 | 0.00277 | 0.00182 | 0.0000402 | 0.000682 | 0.0000627 | 0.0672 | 0.00000697 | 0.000189 | 0.000662 | 0.00151 | 0.000171 |
| 2024 Aug | 0.00000245 | 1.8 | 0.00172 | 2.02 | 0.0394 | 0.000959 | 1.59 | 0.00301 | 0.00193 | 0.0000412 | 0.000714 | 0.0000674 | 0.071 | 0.0000072 | 0.000202 | 0.000696 | 0.00156 | 0.00023 |
| 2024 Sep | 0.00000234 | 1.66 | 0.00158 | 1.88 | 0.0371 | 0.000919 | 1.45 | 0.003 | 0.00182 | 0.0000375 | 0.00064 | 0.0000671 | 0.0653 | 0.00000657 | 0.00019 | 0.000643 | 0.00145 | 0.000326 |
| 2024 Oct | 0.00000235 | 1.64 | 0.00157 | 1.89 | 0.0376 | 0.000941 | 1.44 | 0.00319 | 0.00184 | 0.0000378 | 0.000625 | 0.0000707 | 0.0646 | 0.00000643 | 0.000192 | 0.000637 | 0.00144 | 0.000417 |
| 2024 Nov | 0.0000024 | 1.69 | 0.00161 | 1.95 | 0.0394 | 0.000992 | 1.47 | 0.00345 | 0.0019 | 0.0000437 | 0.000639 | 0.0000756 | 0.0663 | 0.00000649 | 0.0002 | 0.000653 | 0.00147 | 0.000504 |
| 2024 Dec | 0.00000242 | 1.7 | 0.00163 | 1.98 | 0.04 | 0.00101 | 1.49 | 0.00354 | 0.00193 | 0.0000449 | 0.000644 | 0.0000772 | 0.067 | 0.00000652 | 0.000203 | 0.00066 | 0.00147 | 0.00053 |
| 2025 Jan | 0.00000243 | 1.71 | 0.00164 | 1.99 | 0.0405 | 0.00102 | 1.49 | 0.00359 | 0.00194 | 0.0000456 | 0.000648 | 0.0000782 | 0.0675 | 0.00000654 | 0.000205 | 0.000664 | 0.00148 | 0.000547 |
| 2025 Feb | 0.00000244 | 1.72 | 0.00165 | 2.01 | 0.0409 | 0.00103 | 1.5 | 0.00364 | 0.00196 | 0.0000462 | 0.000652 | 0.0000791 | 0.0679 | 0.00000656 | 0.000207 | 0.000667 | 0.00148 | 0.000561 |
| 2025 Mar | 0.00000245 | 1.74 | 0.00166 | 2.02 | 0.0413 | 0.00104 | 1.51 | 0.00369 | 0.00197 | 0.0000468 | 0.000656 | 0.00008 | 0.0683 | 0.00000658 | 0.000209 | 0.000671 | 0.00149 | 0.000576 |
| 2025 Apr | 0.00000247 | 1.75 | 0.00167 | 2.04 | 0.0417 | 0.00105 | 1.52 | 0.00375 | 0.00199 | 0.0000474 | 0.00066 | 0.0000811 | 0.0688 | 0.00000661 | 0.000211 | 0.000676 | 0.00149 | 0.000593 |
| 2025 May | 0.00000249 | 1.76 | 0.00168 | 2.05 | 0.0421 | 0.00107 | 1.53 | 0.00379 | 0.00201 | 0.0000479 | 0.000666 | 0.000082 | 0.0694 | 0.00000666 | 0.000213 | 0.000682 | 0.00151 | 0.000603 |
| 2025 Jun | 0.00000226 | 1.53 | 0.00137 | 1.85 | 0.0349 | 0.000878 | 1.32 | 0.00338 | 0.00195 | 0.0000397 | 0.000511 | 0.0000739 | 0.0573 | 0.00000559 | 0.000175 | 0.000559 | 0.00132 | 0.000666 |
| 2025 Jul | 0.00000243 | 1.65 | 0.00145 | 2.01 | 0.0402 | 0.000963 | 1.39 | 0.00386 | 0.00229 | 0.0000379 | 0.000506 | 0.0000875 | 0.0604 | 0.00000559 | 0.000194 | 0.000579 | 0.00135 | 0.00101 |
| 2025 Aug | 0.00000256 | 1.74 | 0.00154 | 2.11 | 0.0439 | 0.00104 | 1.46 | 0.00419 | 0.00242 | 0.0000395 | 0.000536 | 0.0000948 | 0.0641 | 0.00000583 | 0.00021 | 0.000614 | 0.00141 | 0.00113 |
| 2025 Sep | 0.00000236 | 1.52 | 0.00137 | 1.86 | 0.0397 | 0.000941 | 1.27 | 0.0039 | 0.00213 | 0.0000349 | 0.000457 | 0.0000881 | 0.0558 | 0.00000521 | 0.000187 | 0.000542 | 0.00128 | 0.00108 |
| 2025 Oct | 0.00000234 | 1.47 | 0.00132 | 1.85 | 0.0394 | 0.000947 | 1.22 | 0.00412 | 0.00207 | 0.0000567 | 0.000428 | 0.0000907 | 0.0536 | 0.00000499 | 0.000184 | 0.000521 | 0.00128 | 0.00115 |
| 2025 Nov | 0.0000024 | 1.53 | 0.00137 | 1.94 | 0.0417 | 0.00101 | 1.27 | 0.0045 | 0.00217 | 0.0000724 | 0.000441 | 0.0000969 | 0.0557 | 0.00000506 | 0.000194 | 0.000539 | 0.00132 | 0.00126 |
| 2025 Dec | 0.00000243 | 1.55 | 0.0014 | 1.97 | 0.0427 | 0.00104 | 1.29 | 0.00463 | 0.0022 | 0.0000746 | 0.000448 | 0.0000992 | 0.0567 | 0.0000051 | 0.000198 | 0.000546 | 0.00133 | 0.0013 |
| 2026 Jan | 0.00000244 | 1.56 | 0.00141 | 1.99 | 0.0432 | 0.00105 | 1.3 | 0.00469 | 0.00223 | 0.0000753 | 0.000452 | 0.0001 | 0.0572 | 0.00000512 | 0.0002 | 0.000551 | 0.00133 | 0.00132 |
| 2026 Feb | 0.00000245 | 1.57 | 0.00142 | 2.01 | 0.0437 | 0.00106 | 1.31 | 0.00476 | 0.00224 | 0.0000759 | 0.000455 | 0.000102 | 0.0576 | 0.00000514 | 0.000202 | 0.000554 | 0.00134 | 0.00134 |
| 2026 Mar | 0.00000246 | 1.59 | 0.00143 | 2.02 | 0.0441 | 0.00107 | 1.31 | 0.00481 | 0.00226 | 0.0000763 | 0.000458 | 0.000102 | 0.058 | 0.00000516 | 0.000204 | 0.000558 | 0.00134 | 0.00136 |
| 2026 Apr | 0.00000248 | 1.6 | 0.00144 | 2.04 | 0.0445 | 0.00109 | 1.32 | 0.00487 | 0.00228 | 0.0000768 | 0.000462 | 0.000104 | 0.0585 | 0.00000518 | 0.000206 | 0.000562 | 0.00135 | 0.00138 |
| 2026 May | 0.00000249 | 1.61 | 0.00145 | 2.06 | 0.0449 | 0.0011 | 1.33 | 0.00492 | 0.0023 | 0.0000771 | 0.000465 | 0.000105 | 0.059 | 0.00000521 | 0.000208 | 0.000566 | 0.00136 | 0.00139 |
| 2026 Jun | 0.00000214 | 1.31 | 0.00112 | 1.73 | 0.0333 | 0.000803 | 1.09 | 0.00375 | 0.00203 | 0.0000407 | 0.000316 | 0.0000817 | 0.0456 | 0.00000427 | 0.000154 | 0.000431 | 0.00114 | 0.00113 |
| 2026 Jul | 0.00000239 | 1.53 | 0.00133 | 1.97 | 0.0415 | 0.000966 | 1.25 | 0.0044 | 0.00245 | 0.0000379 | 0.000364 | 0.0000983 | 0.0541 | 0.00000464 | 0.000189 | 0.000496 | 0.00122 | 0.00146 |
| 2026 Aug | 0.00000247 | 1.58 | 0.00139 | 2.03 | 0.0441 | 0.00102 | 1.28 | 0.00463 | 0.00254 | 0.0000379 | 0.000376 | 0.000104 | 0.0562 | 0.00000476 | 0.000199 | 0.000515 | 0.00125 | 0.00156 |
| 2026 Sep | 0.00000247 | 1.57 | 0.0014 | 2.02 | 0.0445 | 0.00102 | 1.28 | 0.00467 | 0.00253 | 0.0000374 | 0.000374 | 0.000104 | 0.0561 | 0.00000474 | 0.0002 | 0.000515 | 0.00125 | 0.00158 |
| 2026 Oct | 0.00000248 | 1.57 | 0.0014 | 2.03 | 0.0449 | 0.00103 | 1.28 | 0.00473 | 0.00253 | 0.0000373 | 0.000374 | 0.000105 | 0.0562 | 0.00000474 | 0.000201 | 0.000516 | 0.00125 | 0.0016 |
| 2026 Nov | 0.00000249 | 1.58 | 0.00141 | 2.04 | 0.0454 | 0.00105 | 1.28 | 0.00482 | 0.00255 | 0.0000375 | 0.000376 | 0.000107 | 0.0566 | 0.00000475 | 0.000204 | 0.00052 | 0.00125 | 0.00163 |
| 2026 Dec | 0.0000025 | 1.58 | 0.00141 | 2.04 | 0.0455 | 0.00105 | 1.28 | 0.00483 | 0.00255 | 0.0000376 | 0.000376 | 0.000107 | 0.0566 | 0.00000475 | 0.000204 | 0.00052 | 0.00125 | 0.00163 |
| 2027 Jan | 0.0000025 | 1.58 | 0.00142 | 2.05 | 0.0456 | 0.00105 | 1.28 | 0.00484 | 0.00255 | 0.0000376 | 0.000376 | 0.000107 | 0.0567 | 0.00000475 | 0.000204 | 0.000521 | 0.00125 | 0.00163 |
| 2027 Feb | 0.0000025 | 1.58 | 0.00142 | 2.05 | 0.0456 | 0.00105 | 1.28 | 0.00484 | 0.00255 | 0.0000376 | 0.000376 | 0.000107 | 0.0567 | 0.00000475 | 0.000204 | 0.000521 | 0.00125 | 0.00163 |
| 2027 Mar | 0.0000025 | 1.58 | 0.00142 | 2.05 | 0.0456 | 0.00105 | 1.28 | 0.00484 | 0.00255 | 0.0000376 | 0.000376 | 0.000107 | 0.0567 | 0.00000475 | 0.000204 | 0.000521 | 0.00125 | 0.00163 |
| 2027 Apr | 0.0000025 | 1.58 | 0.00142 | 2.05 | 0.0457 | 0.00105 | 1.28 | 0.00485 | 0.00256 | 0.0000376 | 0.000377 | 0.000108 | 0.0567 | 0.00000476 | 0.000204 | 0.000522 | 0.00126 | 0.00163 |
| 2027 May | 0.0000025 | 1.58 | 0.00141 | 2.05 | 0.0454 | 0.00105 | 1.28 | 0.00485 | 0.00254 | 0.0000375 | 0.000374 | 0.000107 | 0.0564 | 0.00000475 | 0.000203 | 0.00052 | 0.00126 | 0.00163 |
| 2027 Jun | 0.0000022 | 1.33 | 0.00111 | 1.78 | 0.0384 | 0.000815 | 1.07 | 0.00407 | 0.00222 | 0.0000308 | 0.000266 | 0.0000912 | 0.0452 | 0.00000392 | 0.000162 | 0.000414 | 0.00109 | 0.00137 |
| 2027 Jul | 0.00000258 | 1.66 | 0.00143 | 2.18 | 0.0547 | 0.00108 | 1.29 | 0.00539 | 0.00281 | 0.0000367 | 0.000328 | 0.000121 | 0.0573 | 0.00000436 | 0.000217 | 0.000505 | 0.00121 | 0.00188 |
| 2027 Aug | 0.00000262 | 1.67 | 0.00145 | 2.19 | 0.0556 | 0.0011 | 1.29 | 0.00553 | 0.00283 | 0.000037 | 0.000329 | 0.000122 | 0.0576 | 0.00000441 | 0.000219 | 0.000508 | 0.00122 | 0.00189 |
| 2027 Sep | 0.00000238 | 1.43 | 0.00125 | 1.91 | 0.0475 | 0.000948 | 1.12 | 0.00487 | 0.00243 | 0.0000328 | 0.000278 | 0.000106 | 0.0493 | 0.00000403 | 0.000186 | 0.000443 | 0.00113 | 0.0016 |
| 2027 Oct | 0.00000223 | 1.29 | 0.00113 | 1.76 | 0.0424 | 0.00086 | 1.01 | 0.00456 | 0.00217 | 0.0000397 | 0.000243 | 0.0000979 | 0.0439 | 0.00000376 | 0.000165 | 0.000402 | 0.00108 | 0.00143 |
| 2027 Nov | 0.0000023 | 1.34 | 0.00117 | 1.84 | 0.0449 | 0.000917 | 1.05 | 0.0049 | 0.00226 | 0.0000468 | 0.000254 | 0.000104 | 0.0459 | 0.00000382 | 0.000175 | 0.000418 | 0.00111 | 0.00153 |
| 2027 Dec | 0.00000232 | 1.36 | 0.00119 | 1.87 | 0.0457 | 0.000936 | 1.07 | 0.00501 | 0.0023 | 0.0000478 | 0.000258 | 0.000106 | 0.0466 | 0.00000384 | 0.000178 | 0.000423 | 0.00111 | 0.00156 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000233 | 1.37 | 0.0012 | 1.88 | 0.0461 | 0.000944 | 1.07 | 0.00505 | 0.00231 | 0.0000482 | 0.000259 | 0.000107 | 0.0469 | 0.00000385 | 0.00018 | 0.000425 | 0.00112 | 0.00157 |
| 2028 Feb | 0.00000234 | 1.38 | 0.00121 | 1.89 | 0.0464 | 0.000951 | 1.08 | 0.00509 | 0.00232 | 0.0000484 | 0.000261 | 0.000107 | 0.0471 | 0.00000386 | 0.000181 | 0.000427 | 0.00112 | 0.00158 |
| 2028 Mar | 0.00000234 | 1.38 | 0.00121 | 1.9 | 0.0467 | 0.000957 | 1.08 | 0.00512 | 0.00234 | 0.0000487 | 0.000262 | 0.000108 | 0.0474 | 0.00000387 | 0.000182 | 0.000429 | 0.00112 | 0.00159 |
| 2028 Apr | 0.00000235 | 1.39 | 0.00122 | 1.91 | 0.047 | 0.000963 | 1.09 | 0.00516 | 0.00235 | 0.0000489 | 0.000263 | 0.000109 | 0.0476 | 0.00000388 | 0.000183 | 0.000431 | 0.00112 | 0.00161 |
| 2028 May | 0.00000236 | 1.39 | 0.00122 | 1.92 | 0.0471 | 0.000967 | 1.09 | 0.00518 | 0.00236 | 0.0000491 | 0.000264 | 0.000109 | 0.0478 | 0.00000389 | 0.000184 | 0.000433 | 0.00113 | 0.00161 |
| 2028 Jun | 0.00000212 | 1.23 | 0.00101 | 1.69 | 0.0358 | 0.000742 | 0.976 | 0.00402 | 0.00218 | 0.0000342 | 0.000202 | 0.0000872 | 0.0405 | 0.0000035 | 0.000145 | 0.000361 | 0.00102 | 0.00129 |
| 2028 Jul | 0.00000236 | 1.4 | 0.00118 | 1.88 | 0.0418 | 0.000857 | 1.1 | 0.00447 | 0.00253 | 0.0000329 | 0.000229 | 0.000101 | 0.0473 | 0.00000375 | 0.000176 | 0.000412 | 0.00109 | 0.00159 |
| 2028 Aug | 0.00000245 | 1.45 | 0.00123 | 1.93 | 0.0433 | 0.000887 | 1.13 | 0.00462 | 0.00261 | 0.0000339 | 0.000238 | 0.000105 | 0.0489 | 0.00000388 | 0.000183 | 0.000427 | 0.00113 | 0.00165 |
| 2028 Sep | 0.00000242 | 1.41 | 0.0012 | 1.87 | 0.0421 | 0.00086 | 1.1 | 0.00447 | 0.00253 | 0.000033 | 0.000231 | 0.000102 | 0.0476 | 0.00000384 | 0.000178 | 0.000418 | 0.00112 | 0.0016 |
| 2028 Oct | 0.00000224 | 1.25 | 0.00107 | 1.66 | 0.0365 | 0.000746 | 0.975 | 0.00386 | 0.00223 | 0.0000359 | 0.000202 | 0.00009 | 0.042 | 0.00000361 | 0.000155 | 0.000376 | 0.00106 | 0.00139 |
| 2028 Nov | 0.00000221 | 1.22 | 0.00105 | 1.62 | 0.0355 | 0.000724 | 0.955 | 0.00375 | 0.00217 | 0.0000411 | 0.000197 | 0.0000878 | 0.0411 | 0.00000357 | 0.000151 | 0.000369 | 0.00106 | 0.00135 |
| 2028 Dec | 0.00000221 | 1.22 | 0.00105 | 1.62 | 0.0354 | 0.000723 | 0.954 | 0.00374 | 0.00217 | 0.0000413 | 0.000197 | 0.0000877 | 0.041 | 0.00000357 | 0.000151 | 0.000369 | 0.00106 | 0.00135 |
| 2029 Jan | 0.00000221 | 1.22 | 0.00105 | 1.62 | 0.0354 | 0.000723 | 0.954 | 0.00374 | 0.00217 | 0.0000413 | 0.000197 | 0.0000877 | 0.041 | 0.00000357 | 0.000151 | 0.000368 | 0.00106 | 0.00135 |
| 2029 Feb | 0.00000221 | 1.22 | 0.00105 | 1.62 | 0.0354 | 0.000723 | 0.953 | 0.00374 | 0.00217 | 0.0000413 | 0.000197 | 0.0000876 | 0.041 | 0.00000357 | 0.000151 | 0.000368 | 0.00106 | 0.00135 |
| 2029 Mar | 0.00000221 | 1.22 | 0.00105 | 1.62 | 0.0354 | 0.000723 | 0.953 | 0.00374 | 0.00217 | 0.0000413 | 0.000197 | 0.0000876 | 0.041 | 0.00000357 | 0.000151 | 0.000368 | 0.00106 | 0.00135 |
| 2029 Apr | 0.00000221 | 1.22 | 0.00105 | 1.62 | 0.0354 | 0.000723 | 0.954 | 0.00374 | 0.00217 | 0.0000414 | 0.000197 | 0.0000877 | 0.041 | 0.00000357 | 0.000151 | 0.000368 | 0.00106 | 0.00135 |
| 2029 May | 0.00000222 | 1.22 | 0.00105 | 1.63 | 0.0355 | 0.000725 | 0.957 | 0.00375 | 0.00218 | 0.0000415 | 0.000198 | 0.0000879 | 0.0411 | 0.00000358 | 0.000151 | 0.00037 | 0.00107 | 0.00135 |
| 2029 Jun | 0.00000193 | 1.01 | 0.000824 | 1.38 | 0.0253 | 0.00052 | 0.814 | 0.00276 | 0.00184 | 0.0000387 | 0.000148 | 0.0000661 | 0.0327 | 0.00000325 | 0.00011 | 0.000297 | 0.000976 | 0.000957 |
| 2029 Jul | 0.00000169 | 0.856 | 0.000632 | 1.19 | 0.016 | 0.000331 | 0.707 | 0.00185 | 0.00159 | 0.0000285 | 0.000101 | 0.0000464 | 0.0259 | 0.00000299 | 0.0000717 | 0.000231 | 0.000898 | 0.000581 |
| 2029 Aug | 0.00000173 | 0.868 | 0.000657 | 1.2 | 0.0167 | 0.000343 | 0.715 | 0.0019 | 0.00159 | 0.0000268 | 0.000104 | 0.000048 | 0.0265 | 0.00000306 | 0.0000743 | 0.000237 | 0.000915 | 0.000597 |
| 2029 Sep | 0.00000171 | 0.839 | 0.000649 | 1.16 | 0.0163 | 0.000335 | 0.69 | 0.00184 | 0.00152 | 0.0000248 | 0.000102 | 0.0000472 | 0.0258 | 0.00000303 | 0.0000726 | 0.000233 | 0.000904 | 0.000577 |
| 2029 Oct | 0.0000017 | 0.829 | 0.000647 | 1.14 | 0.0162 | 0.000332 | 0.682 | 0.00181 | 0.00149 | 0.0000245 | 0.000101 | 0.000047 | 0.0255 | 0.00000303 | 0.000072 | 0.000232 | 0.000904 | 0.00057 |
| 2029 Nov | 0.0000017 | 0.83 | 0.000648 | 1.14 | 0.0162 | 0.000332 | 0.682 | 0.00181 | 0.00149 | 0.0000248 | 0.000101 | 0.000047 | 0.0255 | 0.00000303 | 0.0000721 | 0.000232 | 0.000905 | 0.000571 |
| 2029 Dec | 0.0000017 | 0.83 | 0.000648 | 1.14 | 0.0162 | 0.000332 | 0.682 | 0.00181 | 0.00149 | 0.0000248 | 0.000101 | 0.000047 | 0.0255 | 0.00000303 | 0.0000721 | 0.000232 | 0.000905 | 0.000571 |
| 2030 Jan | 0.0000017 | 0.83 | 0.000648 | 1.14 | 0.0162 | 0.000332 | 0.682 | 0.00181 | 0.00149 | 0.0000248 | 0.000101 | 0.000047 | 0.0255 | 0.00000303 | 0.0000721 | 0.000232 | 0.000905 | 0.000571 |
| 2030 Feb | 0.0000017 | 0.83 | 0.000648 | 1.14 | 0.0162 | 0.000332 | 0.682 | 0.00181 | 0.00149 | 0.0000248 | 0.000101 | 0.000047 | 0.0255 | 0.00000303 | 0.0000721 | 0.000232 | 0.000905 | 0.000571 |
| 2030 Mar | 0.0000017 | 0.83 | 0.000648 | 1.14 | 0.0162 | 0.000332 | 0.682 | 0.00181 | 0.00149 | 0.0000248 | 0.000101 | 0.000047 | 0.0255 | 0.00000303 | 0.0000721 | 0.000232 | 0.000906 | 0.000571 |
| 2030 Apr | 0.00000171 | 0.83 | 0.000648 | 1.14 | 0.0162 | 0.000332 | 0.682 | 0.00181 | 0.00149 | 0.0000248 | 0.000101 | 0.000047 | 0.0256 | 0.00000304 | 0.0000721 | 0.000232 | 0.000906 | 0.000571 |
| 2030 May | 0.00000171 | 0.834 | 0.000651 | 1.15 | 0.0163 | 0.000334 | 0.685 | 0.00182 | 0.0015 | 0.0000249 | 0.000102 | 0.0000473 | 0.0257 | 0.00000305 | 0.0000724 | 0.000233 | 0.00091 | 0.000573 |
| 2030 Jun | 0.00000156 | 0.75 | 0.000551 | 1.05 | 0.0121 | 0.000251 | 0.628 | 0.00142 | 0.00136 | 0.0000207 | 0.0000809 | 0.0000382 | 0.0222 | 0.00000285 | 0.0000554 | 0.000201 | 0.000851 | 0.000415 |
| 2030 Jul | 0.00000155 | 0.767 | 0.000552 | 1.07 | 0.0116 | 0.000242 | 0.642 | 0.00137 | 0.0014 | 0.0000192 | 0.0000787 | 0.0000374 | 0.0226 | 0.00000285 | 0.0000535 | 0.000197 | 0.000849 | 0.000389 |
| 2030 Aug | 0.00000159 | 0.783 | 0.00058 | 1.09 | 0.0125 | 0.000258 | 0.651 | 0.00144 | 0.00141 | 0.0000193 | 0.0000825 | 0.0000393 | 0.0233 | 0.0000029 | 0.0000568 | 0.000203 | 0.000865 | 0.00041 |
| 2030 Sep | 0.0000016 | 0.784 | 0.000589 | 1.09 | 0.0127 | 0.000262 | 0.65 | 0.00145 | 0.0014 | 0.0000193 | 0.0000836 | 0.0000399 | 0.0235 | 0.00000293 | 0.0000577 | 0.000205 | 0.000871 | 0.000415 |
| 2030 Oct | 0.00000158 | 0.764 | 0.000582 | 1.05 | 0.0125 | 0.000258 | 0.631 | 0.00141 | 0.00134 | 0.000037 | 0.0000829 | 0.0000393 | 0.023 | 0.00000288 | 0.0000567 | 0.000201 | 0.000883 | 0.000405 |
| 2030 Nov | 0.00000156 | 0.751 | 0.000577 | 1.03 | 0.0124 | 0.000255 | 0.618 | 0.00139 | 0.00129 | 0.0000562 | 0.0000828 | 0.0000389 | 0.0227 | 0.00000285 | 0.0000561 | 0.000199 | 0.0009 | 0.000398 |
| 2030 Dec | 0.00000156 | 0.751 | 0.000578 | 1.03 | 0.0124 | 0.000255 | 0.618 | 0.00139 | 0.00129 | 0.0000568 | 0.0000829 | 0.0000389 | 0.0228 | 0.00000285 | 0.0000561 | 0.000199 | 0.000901 | 0.000398 |
| 2031 Jan | 0.00000156 | 0.751 | 0.000578 | 1.03 | 0.0124 | 0.000255 | 0.618 | 0.00139 | 0.00129 | 0.0000569 | 0.0000829 | 0.0000389 | 0.0228 | 0.00000285 | 0.0000561 | 0.000199 | 0.000901 | 0.000398 |
| 2031 Feb | 0.00000156 | 0.751 | 0.000578 | 1.03 | 0.0124 | 0.000255 | 0.618 | 0.00139 | 0.00129 | 0.000057 | 0.0000829 | 0.0000389 | 0.0228 | 0.00000285 | 0.0000561 | 0.000199 | 0.000901 | 0.000398 |
| 2031 Mar | 0.00000156 | 0.751 | 0.000578 | 1.03 | 0.0124 | 0.000255 | 0.618 | 0.00139 | 0.00129 | 0.000057 | 0.0000829 | 0.0000389 | 0.0228 | 0.00000285 | 0.0000561 | 0.000199 | 0.000901 | 0.000398 |
| 2031 Apr | 0.00000156 | 0.753 | 0.000579 | 1.04 | 0.0124 | 0.000255 | 0.619 | 0.00139 | 0.00129 | 0.0000571 | 0.000083 | 0.000039 | 0.0228 | 0.00000285 | 0.0000562 | 0.000199 | 0.000903 | 0.000399 |
| 2031 May | 0.00000157 | 0.754 | 0.00058 | 1.04 | 0.0124 | 0.000254 | 0.62 | 0.00139 | 0.00128 | 0.0000607 | 0.0000831 | 0.0000389 | 0.0228 | 0.00000287 | 0.000056 | 0.000199 | 0.000914 | 0.000396 |
| 2031 Jun | 0.00000149 | 0.698 | 0.000525 | 0.972 | 0.01 | 0.000208 | 0.588 | 0.00117 | 0.00111 | 0.0000512 | 0.0000715 | 0.0000339 | 0.0203 | 0.00000277 | 0.0000466 | 0.000182 | 0.000874 | 0.000309 |
| 2031 Jul | 0.00000156 | 0.743 | 0.000555 | 1.03 | 0.0106 | 0.00022 | 0.625 | 0.00124 | 0.0012 | 0.0000488 | 0.0000752 | 0.0000358 | 0.0217 | 0.00000291 | 0.0000493 | 0.000191 | 0.000909 | 0.000326 |
| 2031 Aug | 0.00000161 | 0.767 | 0.000575 | 1.06 | 0.011 | 0.000228 | 0.643 | 0.00127 | 0.00124 | 0.0000469 | 0.0000775 | 0.000037 | 0.0224 | 0.00000299 | 0.000051 | 0.000197 | 0.00093 | 0.000336 |
| 2031 Sep | 0.00000154 | 0.729 | 0.000557 | 1 | 0.0106 | 0.00022 | 0.607 | 0.00119 | 0.00119 | 0.0000348 | 0.0000739 | 0.0000358 | 0.0216 | 0.00000286 | 0.0000492 | 0.000188 | 0.000877 | 0.000318 |
| 2031 Oct | 0.00000151 | 0.711 | 0.00055 | 0.973 | 0.0104 | 0.000216 | 0.588 | 0.00115 | 0.00115 | 0.0000502 | 0.0000731 | 0.0000353 | 0.0213 | 0.00000281 | 0.0000482 | 0.000184 | 0.000883 | 0.000308 |
| 2031 Nov | 0.00000151 | 0.711 | 0.000551 | 0.972 | 0.0104 | 0.000217 | 0.587 | 0.00114 | 0.00114 | 0.0000566 | 0.0000734 | 0.0000354 | 0.0213 | 0.0000028 | 0.0000483 | 0.000184 | 0.00089 | 0.000308 |
| 2031 Dec | 0.00000151 | 0.711 | 0.000551 | 0.972 | 0.0105 | 0.000217 | 0.587 | 0.00114 | 0.00114 | 0.0000568 | 0.0000735 | 0.0000354 | 0.0213 | 0.0000028 | 0.0000483 | 0.000184 | 0.000891 | 0.000308 |
| 2032 Jan | 0.00000151 | 0.711 | 0.000551 | 0.972 | 0.0105 | 0.000217 | 0.587 | 0.00114 | 0.00114 | 0.0000568 | 0.0000735 | 0.0000354 | 0.0213 | 0.0000028 | 0.0000483 | 0.000184 | 0.000891 | 0.000308 |
| 2032 Feb | 0.00000151 | 0.711 | 0.000551 | 0.972 | 0.0105 | 0.000217 | 0.587 | 0.00114 | 0.00114 | 0.0000569 | 0.0000735 | 0.0000354 | 0.0213 | 0.0000028 | 0.0000483 | 0.000184 | 0.000891 | 0.000308 |
| 2032 Mar | 0.00000151 | 0.711 | 0.000551 | 0.972 | 0.0105 | 0.000217 | 0.587 | 0.00114 | 0.00114 | 0.0000569 | 0.0000735 | 0.0000354 | 0.0213 | 0.0000028 | 0.0000483 | 0.000184 | 0.000891 | 0.000308 |
| 2032 Apr | 0.00000151 | 0.711 | 0.000551 | 0.972 | 0.0105 | 0.000217 | 0.587 | 0.00115 | 0.00114 | 0.0000569 | 0.0000735 | 0.0000354 | 0.0213 | 0.00000281 | 0.0000483 | 0.000184 | 0.000891 | 0.000308 |
| 2032 May | 0.00000151 | 0.714 | 0.000554 | 0.977 | 0.0105 | 0.000218 | 0.589 | 0.00115 | 0.00115 | 0.0000572 | 0.0000738 | 0.0000356 | 0.0214 | 0.00000282 | 0.0000485 | 0.000185 | 0.000895 | 0.000309 |
| 2032 Jun | 0.00000144 | 0.717 | 0.000512 | 0.993 | 0.00887 | 0.000186 | 0.597 | 0.00102 | 0.00124 | 0.000046 | 0.0000654 | 0.0000318 | 0.0209 | 0.00000271 | 0.0000418 | 0.000171 | 0.000849 | 0.000251 |
| 2032 Jul | 0.00000145 | 0.781 | 0.000554 | 1.07 | 0.00986 | 0.000206 | 0.644 | 0.0011 | 0.00138 | 0.0000294 | 0.0000687 | 0.0000341 | 0.023 | 0.00000272 | 0.0000455 | 0.000174 | 0.000829 | 0.000268 |
| 2032 Aug | 0.00000149 | 0.808 | 0.000588 | 1.1 | 0.0108 | 0.000223 | 0.662 | 0.00117 | 0.00141 | 0.0000274 | 0.0000728 | 0.0000363 | 0.0241 | 0.00000279 | 0.000049 | 0.00018 | 0.000846 | 0.000289 |
| 2032 Sep | 0.00000151 | 0.812 | 0.000602 | 1.1 | 0.0111 | 0.00023 | 0.663 | 0.00119 | 0.0014 | 0.000026 | 0.0000743 | 0.0000372 | 0.0245 | 0.00000281 | 0.0000504 | 0.000183 | 0.000851 | 0.000296 |
| 2032 Oct | 0.00000151 | 0.811 | 0.000605 | 1.1 | 0.0112 | 0.000232 | 0.661 | 0.00119 | 0.00139 | 0.0000293 | 0.0000748 | 0.0000374 | 0.0245 | 0.00000282 | 0.0000507 | 0.000183 | 0.000857 | 0.000297 |
| 2032 Nov | 0.00000151 | 0.811 | 0.000607 | 1.1 | 0.0112 | 0.000232 | 0.661 | 0.00119 | 0.00139 | 0.0000305 | 0.000075 | 0.0000375 | 0.0245 | 0.00000282 | 0.0000508 | 0.000183 | 0.00086 | 0.000298 |
| 2032 Dec | 0.00000151 | 0.811 | 0.000607 | 1.1 | 0.0112 | 0.000232 | 0.661 | 0.00119 | 0.00139 | 0.0000306 | 0.000075 | 0.0000375 | 0.0245 | 0.00000282 | 0.0000509 | 0.000183 | 0.00086 | 0.000298 |
| 2033 Jan | 0.00000151 | 0.811 | 0.000607 | 1.1 | 0.0112 | 0.000232 | 0.661 | 0.00119 | 0.00139 | 0.0000306 | 0.000075 | 0.0000375 | 0.0245 | 0.00000282 | 0.0000509 | 0.000183 | 0.00086 | 0.000298 |
| 2033 Feb | 0.00000151 | 0.811 | 0.000607 | 1.1 | 0.0112 | 0.000232 | 0.661 | 0.00119 | 0.00139 | 0.0000306 | 0.000075 | 0.0000375 | 0.0245 | 0.00000282 | 0.0000509 | 0.000183 | 0.00086 | 0.000298 |
| 2033 Mar | 0.00000151 | 0.811 | 0.000607 | 1.1 | 0.0112 | 0.000232 | 0.661 | 0.00119 | 0.00139 | 0.0000306 | 0.000075 | 0.0000375 | 0.0245 | 0.00000282 | 0.0000509 | 0.000183 | 0.00086 | 0.000298 |
| 2033 Apr | 0.00000151 | 0.812 | 0.000608 | 1.1 | 0.0113 | 0.000233 | 0.662 | 0.00119 | 0.00139 | 0.0000306 | 0.0000751 | 0.0000375 | 0.0246 | 0.00000283 | 0.0000509 | 0.000183 | 0.000861 | 0.000298 |
| 2033 May | 0.00000149 | 0.771 | 0.000581 | 1.05 | 0.0104 | 0.000215 | 0.634 | 0.00111 | 0.00127 | 0.000031 | 0.0000711 | 0.0000356 | 0.0231 | 0.0000028 | 0.0000475 | 0.000178 | 0.000854 | 0.000272 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 0.00000139 | 0.687 | 0.000517 | 0.944 | 0.00828 | 0.000173 | 0.578 | 0.000928 | 0.00104 | 0.0000216 | 0.0000603 | 0.0000306 | 0.0199 | 0.00000264 | 0.000039 | 0.000161 | 0.000797 | 0.000204 |
| 2033 Jul | 0.00000145 | 0.742 | 0.00056 | 1.01 | 0.00923 | 0.000192 | 0.619 | 0.00101 | 0.00114 | 0.0000212 | 0.0000651 | 0.0000332 | 0.0218 | 0.00000275 | 0.0000428 | 0.000169 | 0.000826 | 0.000224 |
| 2033 Aug | 0.0000015 | 0.773 | 0.000587 | 1.05 | 0.00978 | 0.000203 | 0.642 | 0.00105 | 0.0012 | 0.0000213 | 0.0000681 | 0.0000348 | 0.0228 | 0.00000284 | 0.0000451 | 0.000175 | 0.000853 | 0.000235 |
| 2033 Sep | 0.00000146 | 0.748 | 0.000578 | 1.01 | 0.00967 | 0.0002 | 0.617 | 0.00101 | 0.00117 | 0.0000194 | 0.0000666 | 0.0000344 | 0.0224 | 0.00000277 | 0.0000443 | 0.000171 | 0.000832 | 0.000228 |
| 2033 Oct | 0.00000143 | 0.725 | 0.000565 | 0.98 | 0.00936 | 0.000193 | 0.593 | 0.000953 | 0.00111 | 0.0000544 | 0.0000662 | 0.0000336 | 0.0219 | 0.00000272 | 0.0000428 | 0.000167 | 0.000866 | 0.000217 |
| 2033 Nov | 0.00000143 | 0.72 | 0.000561 | 0.974 | 0.00926 | 0.000191 | 0.587 | 0.000939 | 0.0011 | 0.0000777 | 0.0000667 | 0.0000334 | 0.0218 | 0.00000271 | 0.0000423 | 0.000165 | 0.000894 | 0.000213 |
| 2033 Dec | 0.00000143 | 0.721 | 0.000562 | 0.974 | 0.00927 | 0.000191 | 0.587 | 0.000939 | 0.0011 | 0.0000784 | 0.0000668 | 0.0000334 | 0.0218 | 0.00000271 | 0.0000424 | 0.000165 | 0.000895 | 0.000213 |
| 2034 Jan | 0.00000143 | 0.721 | 0.000562 | 0.974 | 0.00927 | 0.000191 | 0.587 | 0.000939 | 0.0011 | 0.0000785 | 0.0000668 | 0.0000334 | 0.0218 | 0.00000271 | 0.0000424 | 0.000165 | 0.000895 | 0.000213 |
| 2034 Feb | 0.00000143 | 0.721 | 0.000562 | 0.974 | 0.00927 | 0.000191 | 0.587 | 0.000939 | 0.0011 | 0.0000786 | 0.0000668 | 0.0000334 | 0.0218 | 0.00000271 | 0.0000424 | 0.000165 | 0.000895 | 0.000213 |
| 2034 Mar | 0.00000143 | 0.721 | 0.000562 | 0.974 | 0.00927 | 0.000191 | 0.587 | 0.000939 | 0.0011 | 0.0000786 | 0.0000668 | 0.0000334 | 0.0218 | 0.00000271 | 0.0000424 | 0.000165 | 0.000895 | 0.000213 |
| 2034 Apr | 0.00000143 | 0.721 | 0.000563 | 0.975 | 0.00928 | 0.000191 | 0.588 | 0.00094 | 0.0011 | 0.0000787 | 0.0000669 | 0.0000334 | 0.0219 | 0.00000271 | 0.0000424 | 0.000166 | 0.000896 | 0.000213 |
| 2034 May | 0.00000143 | 0.722 | 0.000562 | 0.977 | 0.00919 | 0.000189 | 0.589 | 0.000936 | 0.00109 | 0.0000807 | 0.0000667 | 0.0000333 | 0.0218 | 0.00000272 | 0.0000421 | 0.000166 | 0.000903 | 0.00021 |
| 2034 Jun | 0.00000136 | 0.676 | 0.000499 | 0.931 | 0.00721 | 0.000151 | 0.567 | 0.000806 | 0.00101 | 0.0000504 | 0.0000563 | 0.0000286 | 0.0195 | 0.00000262 | 0.0000344 | 0.000153 | 0.000832 | 0.000155 |
| 2034 Jul | 0.00000142 | 0.732 | 0.000539 | 1 | 0.00796 | 0.000167 | 0.61 | 0.000868 | 0.00113 | 0.0000439 | 0.00006 | 0.0000308 | 0.0213 | 0.00000272 | 0.0000375 | 0.00016 | 0.000853 | 0.000169 |
| 2034 Aug | 0.00000148 | 0.766 | 0.000565 | 1.05 | 0.00837 | 0.000175 | 0.638 | 0.00091 | 0.00118 | 0.0000448 | 0.0000629 | 0.0000323 | 0.0223 | 0.00000285 | 0.0000394 | 0.000167 | 0.00089 | 0.000177 |
| 2034 Sep | 0.00000148 | 0.769 | 0.000571 | 1.05 | 0.00856 | 0.000179 | 0.637 | 0.000909 | 0.00119 | 0.0000405 | 0.0000632 | 0.0000327 | 0.0226 | 0.00000283 | 0.00004 | 0.000167 | 0.00088 | 0.00018 |
| 2034 Oct | 0.00000144 | 0.746 | 0.000562 | 1.01 | 0.00849 | 0.000176 | 0.615 | 0.00087 | 0.00116 | 0.0000427 | 0.0000621 | 0.0000324 | 0.0222 | 0.00000275 | 0.0000394 | 0.000162 | 0.00086 | 0.000175 |
| 2034 Nov | 0.00000144 | 0.746 | 0.000563 | 1.01 | 0.00851 | 0.000177 | 0.614 | 0.000869 | 0.00116 | 0.0000455 | 0.0000623 | 0.0000325 | 0.0222 | 0.00000275 | 0.0000394 | 0.000162 | 0.000864 | 0.000175 |
| 2034 Dec | 0.00000144 | 0.746 | 0.000563 | 1.01 | 0.00851 | 0.000177 | 0.614 | 0.000869 | 0.00116 | 0.0000456 | 0.0000623 | 0.0000325 | 0.0222 | 0.00000275 | 0.0000394 | 0.000162 | 0.000864 | 0.000175 |
| 2035 Jan | 0.00000144 | 0.746 | 0.000563 | 1.01 | 0.00851 | 0.000177 | 0.614 | 0.000869 | 0.00116 | 0.0000456 | 0.0000623 | 0.0000325 | 0.0222 | 0.00000275 | 0.0000394 | 0.000162 | 0.000864 | 0.000175 |
| 2035 Feb | 0.00000144 | 0.746 | 0.000563 | 1.01 | 0.00851 | 0.000177 | 0.614 | 0.000869 | 0.00116 | 0.0000456 | 0.0000623 | 0.0000325 | 0.0222 | 0.00000275 | 0.0000394 | 0.000162 | 0.000864 | 0.000175 |
| 2035 Mar | 0.00000144 | 0.746 | 0.000564 | 1.01 | 0.00851 | 0.000177 | 0.614 | 0.000869 | 0.00116 | 0.0000456 | 0.0000623 | 0.0000325 | 0.0222 | 0.00000275 | 0.0000395 | 0.000162 | 0.000864 | 0.000175 |
| 2035 Apr | 0.00000144 | 0.747 | 0.000564 | 1.01 | 0.00852 | 0.000177 | 0.615 | 0.00087 | 0.00116 | 0.0000457 | 0.0000624 | 0.0000325 | 0.0222 | 0.00000276 | 0.0000395 | 0.000163 | 0.000865 | 0.000175 |
| 2035 May | 0.00000145 | 0.752 | 0.000568 | 1.02 | 0.00858 | 0.000178 | 0.619 | 0.000876 | 0.00117 | 0.0000462 | 0.0000629 | 0.0000327 | 0.0224 | 0.00000278 | 0.0000398 | 0.000164 | 0.000872 | 0.000177 |
| 2035 Jun | 0.00000135 | 0.704 | 0.000497 | 0.97 | 0.0067 | 0.000141 | 0.588 | 0.000745 | 0.00116 | 0.0000326 | 0.0000531 | 0.0000278 | 0.0203 | 0.00000262 | 0.0000322 | 0.000149 | 0.000808 | 0.000129 |
| 2035 Jul | 0.00000141 | 0.768 | 0.000539 | 1.05 | 0.00746 | 0.000157 | 0.637 | 0.000807 | 0.00129 | 0.0000274 | 0.0000568 | 0.0000301 | 0.0223 | 0.00000272 | 0.0000353 | 0.000156 | 0.00083 | 0.00014 |
| 2035 Aug | 0.00000145 | 0.797 | 0.000565 | 1.09 | 0.00791 | 0.000166 | 0.659 | 0.000841 | 0.00133 | 0.0000271 | 0.0000593 | 0.0000315 | 0.0233 | 0.00000281 | 0.0000372 | 0.000161 | 0.000855 | 0.000147 |
| 2035 Sep | 0.00000141 | 0.764 | 0.000562 | 1.03 | 0.00804 | 0.000167 | 0.626 | 0.000803 | 0.00126 | 0.0000224 | 0.0000585 | 0.0000315 | 0.0227 | 0.00000272 | 0.0000373 | 0.000157 | 0.000824 | 0.000146 |
| 2035 Oct | 0.00000138 | 0.734 | 0.000556 | 0.986 | 0.00799 | 0.000166 | 0.598 | 0.000761 | 0.00118 | 0.0000335 | 0.0000582 | 0.0000314 | 0.0221 | 0.00000267 | 0.0000369 | 0.000154 | 0.000824 | 0.000142 |
| 2035 Nov | 0.00000138 | 0.729 | 0.000556 | 0.979 | 0.00802 | 0.000166 | 0.592 | 0.000755 | 0.00115 | 0.0000467 | 0.0000587 | 0.0000314 | 0.0221 | 0.00000266 | 0.0000369 | 0.000153 | 0.000838 | 0.000141 |
| 2035 Dec | 0.00000138 | 0.729 | 0.000557 | 0.979 | 0.00803 | 0.000166 | 0.592 | 0.000756 | 0.00115 | 0.0000471 | 0.0000588 | 0.0000315 | 0.0221 | 0.00000266 | 0.0000369 | 0.000153 | 0.000839 | 0.000141 |
| 2036 Jan | 0.00000138 | 0.729 | 0.000557 | 0.979 | 0.00803 | 0.000166 | 0.592 | 0.000756 | 0.00115 | 0.0000472 | 0.0000588 | 0.0000315 | 0.0221 | 0.00000266 | 0.0000369 | 0.000153 | 0.000839 | 0.000141 |
| 2036 Feb | 0.00000138 | 0.729 | 0.000557 | 0.979 | 0.00803 | 0.000166 | 0.592 | 0.000756 | 0.00115 | 0.0000473 | 0.0000588 | 0.0000315 | 0.0221 | 0.00000266 | 0.0000369 | 0.000153 | 0.000839 | 0.000141 |
| 2036 Mar | 0.00000138 | 0.729 | 0.000557 | 0.979 | 0.00803 | 0.000166 | 0.592 | 0.000756 | 0.00115 | 0.0000473 | 0.0000588 | 0.0000315 | 0.0221 | 0.00000266 | 0.0000369 | 0.000153 | 0.000839 | 0.000141 |
| 2036 Apr | 0.00000138 | 0.731 | 0.000558 | 0.981 | 0.00804 | 0.000167 | 0.593 | 0.000757 | 0.00116 | 0.0000474 | 0.0000589 | 0.0000315 | 0.0221 | 0.00000266 | 0.000037 | 0.000153 | 0.000841 | 0.000142 |
| 2036 May | 0.00000139 | 0.736 | 0.000562 | 0.988 | 0.0081 | 0.000168 | 0.598 | 0.000763 | 0.00116 | 0.0000477 | 0.0000593 | 0.0000318 | 0.0223 | 0.00000268 | 0.0000373 | 0.000154 | 0.000847 | 0.000143 |
| 2036 Jun | 0.00000135 | 0.718 | 0.00051 | 0.981 | 0.0067 | 0.000141 | 0.593 | 0.000701 | 0.00119 | 0.000044 | 0.0000531 | 0.0000282 | 0.021 | 0.00000262 | 0.0000318 | 0.000147 | 0.000824 | 0.000113 |
| 2036 Jul | 0.00000136 | 0.761 | 0.000529 | 1.04 | 0.00693 | 0.000146 | 0.628 | 0.000731 | 0.0013 | 0.0000319 | 0.0000537 | 0.0000288 | 0.0222 | 0.00000265 | 0.0000328 | 0.000148 | 0.000818 | 0.000111 |
| 2036 Aug | 0.00000141 | 0.79 | 0.000556 | 1.08 | 0.00738 | 0.000155 | 0.65 | 0.000764 | 0.00134 | 0.0000312 | 0.0000562 | 0.0000302 | 0.0232 | 0.00000274 | 0.0000346 | 0.000154 | 0.000842 | 0.000117 |
| 2036 Sep | 0.00000142 | 0.792 | 0.000565 | 1.07 | 0.00759 | 0.000158 | 0.649 | 0.000768 | 0.00133 | 0.0000293 | 0.0000569 | 0.0000308 | 0.0234 | 0.00000275 | 0.0000354 | 0.000154 | 0.000842 | 0.00012 |
| 2036 Oct | 0.00000138 | 0.758 | 0.000559 | 1.02 | 0.0076 | 0.000157 | 0.619 | 0.000731 | 0.00124 | 0.0000335 | 0.0000563 | 0.0000307 | 0.0227 | 0.00000269 | 0.0000351 | 0.000151 | 0.00083 | 0.000117 |
| 2036 Nov | 0.00000138 | 0.757 | 0.00056 | 1.02 | 0.00762 | 0.000158 | 0.617 | 0.000729 | 0.00123 | 0.0000367 | 0.0000565 | 0.0000307 | 0.0227 | 0.00000269 | 0.0000352 | 0.000151 | 0.000834 | 0.000117 |
| 2036 Dec | 0.00000138 | 0.757 | 0.00056 | 1.02 | 0.00763 | 0.000158 | 0.617 | 0.000729 | 0.00123 | 0.0000368 | 0.0000565 | 0.0000308 | 0.0227 | 0.00000269 | 0.0000352 | 0.000151 | 0.000835 | 0.000117 |
| 2037 Jan | 0.00000138 | 0.757 | 0.00056 | 1.02 | 0.00763 | 0.000158 | 0.617 | 0.000729 | 0.00123 | 0.0000368 | 0.0000565 | 0.0000308 | 0.0227 | 0.00000269 | 0.0000352 | 0.000151 | 0.000835 | 0.000117 |
| 2037 Feb | 0.00000138 | 0.757 | 0.00056 | 1.02 | 0.00763 | 0.000158 | 0.617 | 0.000729 | 0.00123 | 0.0000369 | 0.0000565 | 0.0000308 | 0.0227 | 0.00000269 | 0.0000352 | 0.000151 | 0.000835 | 0.000117 |
| 2037 Mar | 0.00000138 | 0.757 | 0.000561 | 1.02 | 0.00763 | 0.000158 | 0.617 | 0.000729 | 0.00123 | 0.0000369 | 0.0000565 | 0.0000308 | 0.0227 | 0.00000269 | 0.0000352 | 0.000151 | 0.000835 | 0.000117 |
| 2037 Apr | 0.00000138 | 0.757 | 0.000561 | 1.02 | 0.00763 | 0.000158 | 0.617 | 0.00073 | 0.00123 | 0.0000369 | 0.0000566 | 0.0000308 | 0.0227 | 0.00000269 | 0.0000352 | 0.000151 | 0.000835 | 0.000117 |
| 2037 May | 0.00000137 | 0.732 | 0.000547 | 0.99 | 0.0073 | 0.000151 | 0.6 | 0.000707 | 0.00115 | 0.000039 | 0.0000551 | 0.0000299 | 0.0218 | 0.00000267 | 0.0000339 | 0.000149 | 0.000833 | 0.00011 |
| 2037 Jun | 0.00000129 | 0.694 | 0.000513 | 0.942 | 0.00645 | 0.000135 | 0.578 | 0.000658 | 0.00103 | 0.0000206 | 0.0000497 | 0.0000273 | 0.0202 | 0.00000253 | 0.0000306 | 0.000139 | 0.000766 | 0.0000871 |
| 2037 Jul | 0.00000134 | 0.777 | 0.000576 | 1.04 | 0.00767 | 0.00016 | 0.636 | 0.000732 | 0.00119 | 0.000019 | 0.0000551 | 0.0000306 | 0.0231 | 0.00000262 | 0.0000352 | 0.000145 | 0.000789 | 0.000101 |
| 2037 Aug | 0.00000139 | 0.807 | 0.000601 | 1.08 | 0.00807 | 0.000168 | 0.658 | 0.000761 | 0.00124 | 0.0000192 | 0.0000574 | 0.0000319 | 0.0241 | 0.0000027 | 0.0000369 | 0.00015 | 0.000814 | 0.000106 |
| 2037 Sep | 0.00000141 | 0.822 | 0.000615 | 1.1 | 0.00828 | 0.000172 | 0.67 | 0.000774 | 0.00127 | 0.0000193 | 0.0000586 | 0.0000326 | 0.0246 | 0.00000276 | 0.0000378 | 0.000153 | 0.00083 | 0.000108 |
| 2037 Oct | 0.00000141 | 0.815 | 0.000613 | 1.09 | 0.00827 | 0.000171 | 0.663 | 0.000764 | 0.00126 | 0.0000244 | 0.0000587 | 0.0000326 | 0.0245 | 0.00000274 | 0.0000376 | 0.000152 | 0.000834 | 0.000107 |
| 2037 Nov | 0.00000141 | 0.813 | 0.000612 | 1.08 | 0.00826 | 0.000171 | 0.66 | 0.00076 | 0.00125 | 0.0000282 | 0.0000587 | 0.0000326 | 0.0244 | 0.00000274 | 0.0000376 | 0.000152 | 0.000837 | 0.000107 |
| 2037 Dec | 0.00000141 | 0.813 | 0.000612 | 1.08 | 0.00827 | 0.000171 | 0.66 | 0.00076 | 0.00125 | 0.0000283 | 0.0000587 | 0.0000326 | 0.0244 | 0.00000274 | 0.0000376 | 0.000152 | 0.000838 | 0.000107 |
| 2038 Jan | 0.00000141 | 0.813 | 0.000612 | 1.08 | 0.00826 | 0.000171 | 0.66 | 0.00076 | 0.00125 | 0.0000284 | 0.0000587 | 0.0000326 | 0.0244 | 0.00000274 | 0.0000376 | 0.000152 | 0.000838 | 0.000107 |
| 2038 Feb | 0.00000141 | 0.813 | 0.000612 | 1.08 | 0.00826 | 0.000171 | 0.66 | 0.00076 | 0.00125 | 0.0000284 | 0.0000587 | 0.0000326 | 0.0244 | 0.00000274 | 0.0000376 | 0.000152 | 0.000838 | 0.000107 |
| 2038 Mar | 0.00000141 | 0.813 | 0.000612 | 1.08 | 0.00826 | 0.000171 | 0.659 | 0.00076 | 0.00125 | 0.0000284 | 0.0000587 | 0.0000326 | 0.0244 | 0.00000274 | 0.0000376 | 0.000152 | 0.000838 | 0.000107 |
| 2038 Apr | 0.00000141 | 0.813 | 0.000612 | 1.08 | 0.00827 | 0.000171 | 0.66 | 0.00076 | 0.00125 | 0.0000284 | 0.0000588 | 0.0000326 | 0.0245 | 0.00000274 | 0.0000376 | 0.000152 | 0.000838 | 0.000107 |
| 2038 May | 0.0000014 | 0.787 | 0.000592 | 1.05 | 0.00782 | 0.000162 | 0.643 | 0.000734 | 0.0012 | 0.00003 | 0.0000569 | 0.0000314 | 0.0235 | 0.00000273 | 0.0000359 | 0.00015 | 0.000836 | 0.0000999 |
| 2038 Jun | 0.00000131 | 0.679 | 0.000503 | 0.926 | 0.00592 | 0.000124 | 0.57 | 0.000617 | 0.000981 | 0.0000254 | 0.0000479 | 0.0000263 | 0.0195 | 0.00000258 | 0.0000285 | 0.000139 | 0.000789 | 0.0000692 |
| 2038 Jul | 0.00000139 | 0.736 | 0.000546 | 1 | 0.00655 | 0.000137 | 0.614 | 0.000666 | 0.00107 | 0.0000254 | 0.0000517 | 0.0000286 | 0.0213 | 0.00000273 | 0.0000312 | 0.000147 | 0.000832 | 0.0000758 |
| 2038 Aug | 0.00000145 | 0.773 | 0.000575 | 1.05 | 0.00696 | 0.000145 | 0.643 | 0.000698 | 0.00113 | 0.0000257 | 0.0000544 | 0.0000301 | 0.0225 | 0.00000285 | 0.000033 | 0.000154 | 0.000867 | 0.00008 |
| 2038 Sep | 0.00000145 | 0.775 | 0.00058 | 1.05 | 0.00706 | 0.000147 | 0.643 | 0.000696 | 0.00114 | 0.0000247 | 0.0000547 | 0.0000304 | 0.0227 | 0.00000285 | 0.0000333 | 0.000154 | 0.000865 | 0.0000805 |
| 2038 Oct | 0.00000141 | 0.754 | 0.000569 | 1.02 | 0.00699 | 0.000145 | 0.623 | 0.000666 | 0.00112 | 0.0000259 | 0.0000536 | 0.00003 | 0.0222 | 0.00000277 | 0.0000328 | 0.00015 | 0.000844 | 0.0000784 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 0.00000141 | 0.755 | 0.00057 | 1.02 | 0.007 | 0.000146 | 0.623 | 0.000667 | 0.00112 | 0.0000265 | 0.0000537 | 0.00003 | 0.0223 | 0.00000277 | 0.0000328 | 0.00015 | 0.000846 | 0.0000785 |
| 2038 Dec | 0.00000141 | 0.755 | 0.00057 | 1.02 | 0.007 | 0.000146 | 0.623 | 0.000666 | 0.00112 | 0.0000265 | 0.0000537 | 0.00003 | 0.0223 | 0.00000277 | 0.0000328 | 0.00015 | 0.000846 | 0.0000785 |
| 2039 Jan | 0.00000141 | 0.755 | 0.00057 | 1.02 | 0.007 | 0.000146 | 0.623 | 0.000666 | 0.00112 | 0.0000265 | 0.0000537 | 0.00003 | 0.0223 | 0.00000277 | 0.0000328 | 0.00015 | 0.000846 | 0.0000785 |
| 2039 Feb | 0.00000141 | 0.755 | 0.00057 | 1.02 | 0.007 | 0.000146 | 0.623 | 0.000666 | 0.00112 | 0.0000265 | 0.0000537 | 0.00003 | 0.0223 | 0.00000277 | 0.0000328 | 0.00015 | 0.000846 | 0.0000785 |
| 2039 Mar | 0.00000141 | 0.755 | 0.00057 | 1.02 | 0.007 | 0.000146 | 0.623 | 0.000666 | 0.00112 | 0.0000265 | 0.0000537 | 0.00003 | 0.0223 | 0.00000277 | 0.0000328 | 0.00015 | 0.000846 | 0.0000785 |
| 2039 Apr | 0.00000141 | 0.756 | 0.000571 | 1.02 | 0.00701 | 0.000146 | 0.624 | 0.000667 | 0.00112 | 0.0000266 | 0.0000538 | 0.0000301 | 0.0223 | 0.00000278 | 0.0000329 | 0.00015 | 0.000847 | 0.0000786 |
| 2039 May | 0.00000142 | 0.759 | 0.000573 | 1.02 | 0.00704 | 0.000146 | 0.627 | 0.00067 | 0.00113 | 0.0000267 | 0.000054 | 0.0000302 | 0.0224 | 0.00000279 | 0.000033 | 0.000151 | 0.000851 | 0.000079 |
| 2039 Jun | 0.00000133 | 0.714 | 0.000497 | 0.979 | 0.00554 | 0.000117 | 0.595 | 0.000587 | 0.00118 | 0.0000229 | 0.0000466 | 0.0000259 | 0.0205 | 0.00000262 | 0.000027 | 0.000139 | 0.000797 | 0.0000583 |
| 2039 Jul | 0.00000134 | 0.765 | 0.000535 | 1.04 | 0.00629 | 0.000132 | 0.629 | 0.000625 | 0.00129 | 0.0000187 | 0.0000492 | 0.0000277 | 0.0224 | 0.00000263 | 0.0000296 | 0.00014 | 0.000794 | 0.0000614 |
| 2039 Aug | 0.00000138 | 0.797 | 0.000573 | 1.08 | 0.00698 | 0.000144 | 0.651 | 0.000662 | 0.00132 | 0.0000184 | 0.0000523 | 0.0000296 | 0.0236 | 0.00000272 | 0.0000321 | 0.000145 | 0.000819 | 0.0000666 |
| 2039 Sep | 0.0000014 | 0.8 | 0.000583 | 1.08 | 0.00715 | 0.000147 | 0.652 | 0.000665 | 0.00131 | 0.0000182 | 0.0000531 | 0.0000301 | 0.0238 | 0.00000275 | 0.0000328 | 0.000147 | 0.000828 | 0.0000675 |
| 2039 Oct | 0.00000139 | 0.791 | 0.000582 | 1.06 | 0.00718 | 0.000147 | 0.644 | 0.000657 | 0.00129 | 0.0000179 | 0.000053 | 0.0000302 | 0.0236 | 0.00000274 | 0.0000328 | 0.000146 | 0.000824 | 0.0000673 |
| 2039 Nov | 0.00000139 | 0.793 | 0.000583 | 1.07 | 0.00719 | 0.000147 | 0.645 | 0.000658 | 0.00129 | 0.000018 | 0.0000531 | 0.0000302 | 0.0237 | 0.00000274 | 0.0000328 | 0.000147 | 0.000825 | 0.0000674 |
| 2039 Dec | 0.00000139 | 0.793 | 0.000583 | 1.07 | 0.00719 | 0.000147 | 0.646 | 0.000658 | 0.00129 | 0.000018 | 0.0000531 | 0.0000302 | 0.0237 | 0.00000274 | 0.0000329 | 0.000147 | 0.000825 | 0.0000675 |
| 2040 Jan | 0.00000139 | 0.793 | 0.000583 | 1.07 | 0.00719 | 0.000147 | 0.645 | 0.000658 | 0.00129 | 0.000018 | 0.0000531 | 0.0000302 | 0.0237 | 0.00000274 | 0.0000329 | 0.000147 | 0.000825 | 0.0000675 |
| 2040 Feb | 0.00000139 | 0.793 | 0.000583 | 1.07 | 0.00719 | 0.000147 | 0.645 | 0.000658 | 0.00129 | 0.000018 | 0.0000531 | 0.0000302 | 0.0237 | 0.00000274 | 0.0000329 | 0.000147 | 0.000825 | 0.0000675 |
| 2040 Mar | 0.00000139 | 0.793 | 0.000583 | 1.07 | 0.00719 | 0.000147 | 0.646 | 0.000658 | 0.00129 | 0.000018 | 0.0000531 | 0.0000302 | 0.0237 | 0.00000274 | 0.0000329 | 0.000147 | 0.000826 | 0.0000675 |
| 2040 Apr | 0.00000139 | 0.793 | 0.000584 | 1.07 | 0.0072 | 0.000147 | 0.646 | 0.000659 | 0.00129 | 0.000018 | 0.0000531 | 0.0000303 | 0.0237 | 0.00000274 | 0.0000329 | 0.000147 | 0.000826 | 0.0000675 |
| 2040 May | 0.0000014 | 0.786 | 0.00058 | 1.06 | 0.0071 | 0.000146 | 0.641 | 0.000653 | 0.00127 | 0.0000179 | 0.0000528 | 0.0000301 | 0.0234 | 0.00000275 | 0.0000326 | 0.000147 | 0.000827 | 0.0000663 |
| 2040 Jun | 0.0000013 | 0.675 | 0.000493 | 0.924 | 0.00539 | 0.000113 | 0.567 | 0.000557 | 0.00102 | 0.0000146 | 0.0000447 | 0.0000253 | 0.0194 | 0.00000257 | 0.0000261 | 0.000135 | 0.000771 | 0.0000459 |
| 2040 Jul | 0.00000134 | 0.74 | 0.00054 | 1 | 0.00619 | 0.000129 | 0.613 | 0.000604 | 0.00113 | 0.000015 | 0.0000486 | 0.0000277 | 0.0216 | 0.00000265 | 0.0000293 | 0.00014 | 0.000795 | 0.0000516 |
| 2040 Aug | 0.00000137 | 0.769 | 0.000568 | 1.04 | 0.00668 | 0.000138 | 0.633 | 0.000629 | 0.00118 | 0.0000153 | 0.0000508 | 0.000029 | 0.0226 | 0.00000271 | 0.0000311 | 0.000143 | 0.000813 | 0.0000548 |
| 2040 Sep | 0.00000136 | 0.763 | 0.000574 | 1.02 | 0.00688 | 0.000142 | 0.623 | 0.000619 | 0.00117 | 0.0000151 | 0.0000511 | 0.0000293 | 0.0227 | 0.00000269 | 0.0000317 | 0.000142 | 0.000806 | 0.0000552 |
| 2040 Oct | 0.00000137 | 0.767 | 0.000578 | 1.03 | 0.00694 | 0.000143 | 0.626 | 0.000621 | 0.00118 | 0.0000153 | 0.0000515 | 0.0000296 | 0.0229 | 0.00000271 | 0.0000319 | 0.000143 | 0.000811 | 0.0000556 |
| 2040 Nov | 0.00000137 | 0.768 | 0.000579 | 1.03 | 0.00695 | 0.000143 | 0.627 | 0.000622 | 0.00118 | 0.0000154 | 0.0000516 | 0.0000296 | 0.0229 | 0.00000271 | 0.000032 | 0.000143 | 0.000812 | 0.0000557 |
| 2040 Dec | 0.00000137 | 0.768 | 0.000579 | 1.03 | 0.00695 | 0.000143 | 0.627 | 0.000622 | 0.00118 | 0.0000154 | 0.0000516 | 0.0000296 | 0.0229 | 0.00000271 | 0.000032 | 0.000143 | 0.000812 | 0.0000557 |
| 2041 Jan | 0.00000137 | 0.768 | 0.000579 | 1.03 | 0.00695 | 0.000143 | 0.627 | 0.000622 | 0.00118 | 0.0000154 | 0.0000516 | 0.0000296 | 0.0229 | 0.00000271 | 0.000032 | 0.000143 | 0.000813 | 0.0000557 |
| 2041 Feb | 0.00000137 | 0.769 | 0.000579 | 1.03 | 0.00695 | 0.000143 | 0.627 | 0.000623 | 0.00118 | 0.0000154 | 0.0000516 | 0.0000296 | 0.0229 | 0.00000271 | 0.000032 | 0.000143 | 0.000813 | 0.0000557 |
| 2041 Mar | 0.00000137 | 0.769 | 0.000579 | 1.03 | 0.00695 | 0.000143 | 0.627 | 0.000623 | 0.00118 | 0.0000154 | 0.0000516 | 0.0000296 | 0.0229 | 0.00000271 | 0.000032 | 0.000143 | 0.000813 | 0.0000557 |
| 2041 Apr | 0.00000137 | 0.769 | 0.00058 | 1.03 | 0.00696 | 0.000143 | 0.627 | 0.000623 | 0.00118 | 0.0000154 | 0.0000516 | 0.0000296 | 0.0229 | 0.00000271 | 0.000032 | 0.000143 | 0.000813 | 0.0000557 |
| 2041 May | 0.00000138 | 0.772 | 0.000583 | 1.03 | 0.007 | 0.000144 | 0.63 | 0.000625 | 0.00118 | 0.0000155 | 0.0000519 | 0.0000298 | 0.023 | 0.00000273 | 0.0000322 | 0.000144 | 0.000818 | 0.000056 |
| 2041 Jun | 0.00000133 | 0.73 | 0.000522 | 0.99 | 0.0058 | 0.000121 | 0.603 | 0.00057 | 0.00118 | 0.0000147 | 0.0000467 | 0.0000266 | 0.0212 | 0.00000263 | 0.0000277 | 0.000138 | 0.00079 | 0.0000446 |
| 2041 Jul | 0.00000132 | 0.753 | 0.000524 | 1.02 | 0.00577 | 0.000121 | 0.621 | 0.000574 | 0.00127 | 0.0000145 | 0.0000465 | 0.0000265 | 0.0219 | 0.00000262 | 0.0000275 | 0.000137 | 0.000785 | 0.0000414 |
| 2041 Aug | 0.00000134 | 0.767 | 0.000559 | 1.03 | 0.00654 | 0.000134 | 0.625 | 0.000597 | 0.00125 | 0.0000146 | 0.0000491 | 0.0000283 | 0.0228 | 0.00000264 | 0.00003 | 0.000139 | 0.000792 | 0.000045 |
| 2041 Sep | 0.00000134 | 0.765 | 0.000568 | 1.02 | 0.00673 | 0.000137 | 0.621 | 0.000594 | 0.00123 | 0.0000147 | 0.0000498 | 0.0000288 | 0.0229 | 0.00000265 | 0.0000307 | 0.000139 | 0.000795 | 0.0000456 |
| 2041 Oct | 0.00000132 | 0.744 | 0.000566 | 0.99 | 0.00676 | 0.000138 | 0.602 | 0.00057 | 0.00118 | 0.0000149 | 0.0000495 | 0.0000289 | 0.0225 | 0.00000262 | 0.0000307 | 0.000137 | 0.000786 | 0.0000451 |
| 2041 Nov | 0.00000133 | 0.746 | 0.000568 | 0.993 | 0.00679 | 0.000138 | 0.603 | 0.000571 | 0.00118 | 0.0000152 | 0.0000497 | 0.000029 | 0.0225 | 0.00000263 | 0.0000308 | 0.000138 | 0.000788 | 0.0000452 |
| 2041 Dec | 0.00000133 | 0.746 | 0.000568 | 0.993 | 0.0068 | 0.000138 | 0.603 | 0.000571 | 0.00118 | 0.0000152 | 0.0000497 | 0.000029 | 0.0225 | 0.00000263 | 0.0000308 | 0.000138 | 0.000788 | 0.0000452 |
| 2042 Jan | 0.00000133 | 0.746 | 0.000568 | 0.993 | 0.0068 | 0.000138 | 0.603 | 0.000571 | 0.00118 | 0.0000152 | 0.0000497 | 0.000029 | 0.0225 | 0.00000263 | 0.0000308 | 0.000138 | 0.000788 | 0.0000452 |
| 2042 Feb | 0.00000133 | 0.746 | 0.000568 | 0.993 | 0.0068 | 0.000138 | 0.603 | 0.000571 | 0.00118 | 0.0000152 | 0.0000497 | 0.000029 | 0.0225 | 0.00000263 | 0.0000308 | 0.000138 | 0.000788 | 0.0000452 |
| 2042 Mar | 0.00000133 | 0.746 | 0.000568 | 0.993 | 0.0068 | 0.000138 | 0.603 | 0.000571 | 0.00118 | 0.0000152 | 0.0000497 | 0.000029 | 0.0225 | 0.00000263 | 0.0000308 | 0.000138 | 0.000788 | 0.0000452 |
| 2042 Apr | 0.00000133 | 0.747 | 0.000569 | 0.994 | 0.0068 | 0.000138 | 0.604 | 0.000572 | 0.00118 | 0.0000152 | 0.0000498 | 0.000029 | 0.0226 | 0.00000263 | 0.0000308 | 0.000138 | 0.000789 | 0.0000453 |
| 2042 May | 0.00000134 | 0.753 | 0.000574 | 1 | 0.00687 | 0.00014 | 0.609 | 0.000576 | 0.00119 | 0.0000155 | 0.0000502 | 0.0000293 | 0.0228 | 0.00000266 | 0.0000311 | 0.000139 | 0.000797 | 0.0000456 |
| 2042 Jun | 0.0000013 | 0.717 | 0.000512 | 0.972 | 0.00558 | 0.000116 | 0.591 | 0.000532 | 0.00118 | 0.0000153 | 0.0000452 | 0.0000261 | 0.0209 | 0.00000258 | 0.0000265 | 0.000134 | 0.000777 | 0.0000353 |
| 2042 Jul | 0.00000131 | 0.763 | 0.00054 | 1.03 | 0.00604 | 0.000126 | 0.624 | 0.000564 | 0.00127 | 0.0000148 | 0.000047 | 0.0000272 | 0.0225 | 0.00000259 | 0.0000282 | 0.000135 | 0.000777 | 0.0000355 |
| 2042 Aug | 0.00000131 | 0.762 | 0.00057 | 1.01 | 0.00677 | 0.000137 | 0.615 | 0.000577 | 0.00122 | 0.0000146 | 0.0000491 | 0.0000286 | 0.0229 | 0.00000259 | 0.0000305 | 0.000135 | 0.000778 | 0.0000378 |
| 2042 Sep | 0.00000131 | 0.746 | 0.000573 | 0.987 | 0.00687 | 0.000139 | 0.599 | 0.00056 | 0.00117 | 0.0000144 | 0.0000492 | 0.0000289 | 0.0227 | 0.00000259 | 0.0000308 | 0.000135 | 0.000776 | 0.0000376 |
| 2042 Oct | 0.00000128 | 0.697 | 0.000553 | 0.919 | 0.00655 | 0.000132 | 0.559 | 0.000499 | 0.00105 | 0.0000299 | 0.0000482 | 0.0000283 | 0.0214 | 0.00000253 | 0.0000295 | 0.000131 | 0.00078 | 0.0000346 |
| 2042 Nov | 0.00000128 | 0.699 | 0.000555 | 0.921 | 0.00658 | 0.000133 | 0.56 | 0.0005 | 0.00105 | 0.0000336 | 0.0000485 | 0.0000285 | 0.0215 | 0.00000253 | 0.0000296 | 0.000132 | 0.000787 | 0.0000347 |
| 2042 Dec | 0.00000128 | 0.699 | 0.000555 | 0.922 | 0.00658 | 0.000133 | 0.56 | 0.0005 | 0.00105 | 0.0000337 | 0.0000486 | 0.0000285 | 0.0215 | 0.00000254 | 0.0000296 | 0.000132 | 0.000788 | 0.0000347 |
| 2043 Jan | 0.00000128 | 0.699 | 0.000555 | 0.922 | 0.00658 | 0.000133 | 0.56 | 0.0005 | 0.00105 | 0.0000338 | 0.0000486 | 0.0000285 | 0.0215 | 0.00000254 | 0.0000296 | 0.000132 | 0.000788 | 0.0000347 |
| 2043 Feb | 0.00000128 | 0.699 | 0.000555 | 0.922 | 0.00658 | 0.000133 | 0.56 | 0.0005 | 0.00105 | 0.0000338 | 0.0000486 | 0.0000285 | 0.0215 | 0.00000254 | 0.0000296 | 0.000132 | 0.000788 | 0.0000347 |
| 2043 Mar | 0.00000128 | 0.699 | 0.000555 | 0.922 | 0.00658 | 0.000133 | 0.56 | 0.0005 | 0.00105 | 0.0000338 | 0.0000486 | 0.0000285 | 0.0215 | 0.00000254 | 0.0000296 | 0.000132 | 0.000788 | 0.0000347 |
| 2043 Apr | 0.00000128 | 0.7 | 0.000556 | 0.923 | 0.00659 | 0.000133 | 0.561 | 0.0005 | 0.00105 | 0.0000339 | 0.0000486 | 0.0000285 | 0.0216 | 0.00000254 | 0.0000297 | 0.000132 | 0.000789 | 0.0000348 |
| 2043 May | 0.00000129 | 0.704 | 0.000558 | 0.929 | 0.00658 | 0.000133 | 0.565 | 0.000504 | 0.00105 | 0.0000356 | 0.0000489 | 0.0000286 | 0.0216 | 0.00000256 | 0.0000297 | 0.000133 | 0.000797 | 0.0000346 |
| 2043 Jun | 0.00000127 | 0.674 | 0.0005 | 0.913 | 0.00525 | 0.00011 | 0.561 | 0.000501 | 0.000974 | 0.0000266 | 0.0000438 | 0.0000251 | 0.0195 | 0.00000252 | 0.0000253 | 0.000129 | 0.000773 | 0.0000251 |
| 2043 Jul | 0.00000133 | 0.745 | 0.00055 | 1 | 0.00599 | 0.000125 | 0.614 | 0.000549 | 0.0011 | 0.0000242 | 0.0000476 | 0.0000275 | 0.0219 | 0.00000263 | 0.0000283 | 0.000136 | 0.000804 | 0.0000281 |
| 2043 Aug | 0.00000134 | 0.762 | 0.00057 | 1.02 | 0.00637 | 0.000132 | 0.622 | 0.000555 | 0.00114 | 0.0000218 | 0.0000489 | 0.0000285 | 0.0226 | 0.00000266 | 0.0000296 | 0.000137 | 0.000807 | 0.0000291 |
| 2043 Sep | 0.00000131 | 0.738 | 0.000565 | 0.975 | 0.00639 | 0.000132 | 0.597 | 0.000527 | 0.00111 | 0.0000187 | 0.0000482 | 0.0000282 | 0.0222 | 0.00000261 | 0.0000295 | 0.000135 | 0.000789 | 0.0000283 |
| 2043 Oct | 0.00000132 | 0.736 | 0.000566 | 0.97 | 0.00642 | 0.000133 | 0.594 | 0.000521 | 0.0011 | 0.0000183 | 0.0000482 | 0.0000283 | 0.0222 | 0.00000261 | 0.0000296 | 0.000135 | 0.000789 | 0.0000282 |
| 2043 Nov | 0.00000132 | 0.737 | 0.000567 | 0.972 | 0.00643 | 0.000133 | 0.596 | 0.000522 | 0.0011 | 0.0000184 | 0.0000483 | 0.0000283 | 0.0222 | 0.00000262 | 0.0000297 | 0.000135 | 0.000791 | 0.0000283 |
| 2043 Dec | 0.00000132 | 0.738 | 0.000568 | 0.973 | 0.00644 | 0.000133 | 0.596 | 0.000523 | 0.00111 | 0.0000185 | 0.0000484 | 0.0000284 | 0.0222 | 0.00000262 | 0.0000297 | 0.000135 | 0.000792 | 0.0000283 |
| 2044 Jan | 0.00000132 | 0.738 | 0.000568 | 0.973 | 0.00644 | 0.000133 | 0.596 | 0.000523 | 0.00111 | 0.0000185 | 0.0000484 | 0.0000284 | 0.0222 | 0.00000262 | 0.0000297 | 0.000135 | 0.000792 | 0.0000283 |
| 2044 Feb | 0.00000132 | 0.738 | 0.000568 | 0.973 | 0.00644 | 0.000133 | 0.596 | 0.000523 | 0.00111 | 0.0000185 | 0.0000484 | 0.0000284 | 0.0222 | 0.00000262 | 0.0000297 | 0.000135 | 0.000792 | 0.0000283 |
| 2044 Mar | 0.00000132 | 0.738 | 0.000568 | 0.973 | 0.00644 | 0.000133 | 0.596 | 0.000523 | 0.00111 | 0.0000185 | 0.0000484 | 0.0000284 | 0.0222 | 0.00000262 | 0.0000297 | 0.000135 | 0.000792 | 0.0000283 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 0.00000132 | 0.739 | 0.000568 | 0.974 | 0.00645 | 0.000133 | 0.597 | 0.000523 | 0.00111 | 0.0000185 | 0.0000484 | 0.0000284 | 0.0222 | 0.00000262 | 0.0000297 | 0.000135 | 0.000792 | 0.0000283 |
| 2044 May | 0.00000133 | 0.743 | 0.000572 | 0.979 | 0.00649 | 0.000134 | 0.6 | 0.000526 | 0.00111 | 0.0000186 | 0.0000487 | 0.0000286 | 0.0224 | 0.00000264 | 0.0000299 | 0.000136 | 0.000798 | 0.0000285 |
| 2044 Jun | 0.00000127 | 0.694 | 0.000494 | 0.94 | 0.00504 | 0.000107 | 0.574 | 0.000487 | 0.00111 | 0.0000146 | 0.0000425 | 0.0000246 | 0.0201 | 0.00000252 | 0.0000245 | 0.000129 | 0.000759 | 0.0000203 |
| 2044 Jul | 0.00000132 | 0.767 | 0.000541 | 1.03 | 0.00574 | 0.000121 | 0.629 | 0.000534 | 0.00125 | 0.0000148 | 0.000046 | 0.0000269 | 0.0224 | 0.00000262 | 0.0000272 | 0.000134 | 0.000787 | 0.0000222 |
| 2044 Aug | 0.00000137 | 0.798 | 0.000567 | 1.07 | 0.00607 | 0.000127 | 0.654 | 0.000557 | 0.00129 | 0.0000153 | 0.0000481 | 0.0000282 | 0.0234 | 0.00000272 | 0.0000286 | 0.000139 | 0.000818 | 0.0000233 |
| 2044 Sep | 0.00000133 | 0.767 | 0.00056 | 1.02 | 0.00609 | 0.000127 | 0.624 | 0.000529 | 0.00123 | 0.0000147 | 0.0000473 | 0.0000278 | 0.0228 | 0.00000265 | 0.0000284 | 0.000136 | 0.000796 | 0.0000227 |
| 2044 Oct | 0.00000131 | 0.735 | 0.000548 | 0.979 | 0.00599 | 0.000124 | 0.596 | 0.000497 | 0.00115 | 0.0000264 | 0.0000469 | 0.0000275 | 0.022 | 0.0000026 | 0.0000279 | 0.000133 | 0.000797 | 0.0000217 |
| 2044 Nov | 0.0000013 | 0.731 | 0.000547 | 0.972 | 0.00599 | 0.000124 | 0.591 | 0.000492 | 0.00113 | 0.0000344 | 0.0000472 | 0.0000275 | 0.0219 | 0.00000259 | 0.0000278 | 0.000133 | 0.000807 | 0.0000216 |
| 2044 Dec | 0.0000013 | 0.731 | 0.000547 | 0.972 | 0.00599 | 0.000124 | 0.591 | 0.000492 | 0.00113 | 0.0000347 | 0.0000472 | 0.0000275 | 0.0219 | 0.00000259 | 0.0000278 | 0.000133 | 0.000807 | 0.0000216 |
| 2045 Jan | 0.0000013 | 0.731 | 0.000547 | 0.972 | 0.00599 | 0.000124 | 0.591 | 0.000492 | 0.00113 | 0.0000347 | 0.0000472 | 0.0000275 | 0.0219 | 0.00000259 | 0.0000278 | 0.000133 | 0.000807 | 0.0000216 |
| 2045 Feb | 0.0000013 | 0.731 | 0.000547 | 0.972 | 0.00599 | 0.000124 | 0.591 | 0.000492 | 0.00113 | 0.0000348 | 0.0000472 | 0.0000275 | 0.0219 | 0.00000259 | 0.0000278 | 0.000133 | 0.000807 | 0.0000216 |
| 2045 Mar | 0.0000013 | 0.731 | 0.000548 | 0.972 | 0.00599 | 0.000124 | 0.591 | 0.000492 | 0.00113 | 0.0000348 | 0.0000472 | 0.0000275 | 0.0219 | 0.00000259 | 0.0000279 | 0.000133 | 0.000807 | 0.0000216 |
| 2045 Apr | 0.00000131 | 0.731 | 0.000548 | 0.973 | 0.006 | 0.000124 | 0.592 | 0.000493 | 0.00114 | 0.0000348 | 0.0000472 | 0.0000275 | 0.0219 | 0.0000026 | 0.0000279 | 0.000133 | 0.000808 | 0.0000216 |
| 2045 May | 0.00000131 | 0.735 | 0.000551 | 0.977 | 0.00603 | 0.000125 | 0.595 | 0.000495 | 0.00114 | 0.000035 | 0.0000475 | 0.0000277 | 0.022 | 0.00000261 | 0.000028 | 0.000134 | 0.000812 | 0.0000217 |
| 2045 Jun | 0.00000129 | 0.714 | 0.000504 | 0.967 | 0.00511 | 0.000107 | 0.586 | 0.000482 | 0.00116 | 0.0000386 | 0.0000441 | 0.0000252 | 0.0208 | 0.00000257 | 0.0000247 | 0.000131 | 0.000805 | 0.0000175 |
| 2045 Jul | 0.00000134 | 0.751 | 0.000517 | 1.02 | 0.00513 | 0.000109 | 0.62 | 0.000508 | 0.00125 | 0.0000358 | 0.0000451 | 0.0000257 | 0.0217 | 0.00000267 | 0.0000251 | 0.000136 | 0.00083 | 0.000017 |
| 2045 Aug | 0.0000014 | 0.784 | 0.00054 | 1.07 | 0.00539 | 0.000114 | 0.646 | 0.000531 | 0.00131 | 0.0000366 | 0.0000471 | 0.0000269 | 0.0227 | 0.00000278 | 0.0000263 | 0.000142 | 0.000865 | 0.0000177 |
| 2045 Sep | 0.0000014 | 0.787 | 0.000546 | 1.07 | 0.00549 | 0.000116 | 0.648 | 0.000532 | 0.00131 | 0.0000349 | 0.0000475 | 0.0000272 | 0.0228 | 0.00000279 | 0.0000266 | 0.000142 | 0.000865 | 0.0000179 |
| 2045 Oct | 0.0000014 | 0.787 | 0.000547 | 1.07 | 0.00551 | 0.000116 | 0.648 | 0.000531 | 0.0013 | 0.0000345 | 0.0000475 | 0.0000273 | 0.0228 | 0.00000279 | 0.0000267 | 0.000142 | 0.000864 | 0.0000179 |
| 2045 Nov | 0.0000014 | 0.788 | 0.000548 | 1.07 | 0.00551 | 0.000116 | 0.648 | 0.000531 | 0.00131 | 0.0000345 | 0.0000475 | 0.0000273 | 0.0229 | 0.00000279 | 0.0000267 | 0.000142 | 0.000865 | 0.0000179 |
| 2045 Dec | 0.0000014 | 0.788 | 0.000548 | 1.07 | 0.00551 | 0.000116 | 0.648 | 0.000531 | 0.00131 | 0.0000345 | 0.0000476 | 0.0000273 | 0.0229 | 0.00000279 | 0.0000267 | 0.000142 | 0.000865 | 0.0000179 |
| 2046 Jan | 0.0000014 | 0.788 | 0.000548 | 1.07 | 0.00551 | 0.000116 | 0.648 | 0.000531 | 0.00131 | 0.0000345 | 0.0000476 | 0.0000273 | 0.0229 | 0.00000279 | 0.0000267 | 0.000142 | 0.000865 | 0.0000179 |
| 2046 Feb | 0.0000014 | 0.788 | 0.000548 | 1.07 | 0.00551 | 0.000116 | 0.648 | 0.000531 | 0.00131 | 0.0000345 | 0.0000476 | 0.0000273 | 0.0229 | 0.00000279 | 0.0000267 | 0.000142 | 0.000866 | 0.0000179 |
| 2046 Mar | 0.0000014 | 0.788 | 0.000548 | 1.07 | 0.00552 | 0.000116 | 0.649 | 0.000531 | 0.00131 | 0.0000346 | 0.0000476 | 0.0000273 | 0.0229 | 0.0000028 | 0.0000267 | 0.000142 | 0.000866 | 0.0000179 |
| 2046 Apr | 0.00000141 | 0.789 | 0.000549 | 1.07 | 0.00552 | 0.000116 | 0.65 | 0.000532 | 0.00131 | 0.0000346 | 0.0000476 | 0.0000273 | 0.0229 | 0.0000028 | 0.0000268 | 0.000143 | 0.000867 | 0.000018 |
| 2046 May | 0.00000141 | 0.794 | 0.000552 | 1.08 | 0.00555 | 0.000117 | 0.653 | 0.000535 | 0.00132 | 0.0000348 | 0.0000479 | 0.0000275 | 0.023 | 0.00000281 | 0.0000269 | 0.000143 | 0.000872 | 0.0000181 |
| 2046 Jun | 0.00000136 | 0.906 | 0.000674 | 1.19 | 0.0082 | 0.00018 | 0.713 | 0.000715 | 0.00147 | 0.0000211 | 0.0000563 | 0.0000334 | 0.0278 | 0.00000266 | 0.0000376 | 0.000138 | 0.000807 | 0.0000305 |
| 2046 Jul | 0.00000146 | 1.18 | 0.000973 | 1.48 | 0.0141 | 0.000323 | 0.877 | 0.00118 | 0.00186 | 0.000017 | 0.0000799 | 0.0000483 | 0.0389 | 0.00000275 | 0.0000624 | 0.000149 | 0.000823 | 0.0000634 |
| 2046 Aug | 0.0000015 | 1.2 | 0.000993 | 1.5 | 0.0144 | 0.000334 | 0.884 | 0.00125 | 0.00188 | 0.0000174 | 0.0000821 | 0.0000494 | 0.0394 | 0.00000282 | 0.0000645 | 0.000154 | 0.000844 | 0.0000674 |
| 2046 Sep | 0.00000147 | 1.08 | 0.000921 | 1.36 | 0.0134 | 0.000318 | 0.795 | 0.00124 | 0.00169 | 0.0000167 | 0.0000777 | 0.0000463 | 0.0356 | 0.00000274 | 0.0000614 | 0.00015 | 0.00082 | 0.0000684 |
| 2046 Oct | 0.00000149 | 1.04 | 0.000905 | 1.3 | 0.0132 | 0.000325 | 0.759 | 0.00131 | 0.00163 | 0.0000179 | 0.0000779 | 0.0000461 | 0.0344 | 0.00000273 | 0.0000625 | 0.000151 | 0.000817 | 0.0000742 |
| 2046 Nov | 0.00000149 | 1.04 | 0.000912 | 1.31 | 0.0134 | 0.00033 | 0.762 | 0.00133 | 0.00164 | 0.0000186 | 0.0000787 | 0.0000466 | 0.0346 | 0.00000274 | 0.0000634 | 0.000152 | 0.000821 | 0.0000759 |
| 2046 Dec | 0.0000015 | 1.04 | 0.000913 | 1.31 | 0.0134 | 0.000331 | 0.763 | 0.00133 | 0.00164 | 0.0000187 | 0.0000788 | 0.0000466 | 0.0347 | 0.00000274 | 0.0000635 | 0.000152 | 0.000821 | 0.0000761 |
| 2047 Jan | 0.0000015 | 1.04 | 0.000913 | 1.31 | 0.0134 | 0.000331 | 0.763 | 0.00133 | 0.00164 | 0.0000187 | 0.0000788 | 0.0000466 | 0.0347 | 0.00000274 | 0.0000635 | 0.000152 | 0.000822 | 0.0000762 |
| 2047 Feb | 0.0000015 | 1.04 | 0.000913 | 1.31 | 0.0134 | 0.000331 | 0.763 | 0.00133 | 0.00164 | 0.0000187 | 0.0000788 | 0.0000467 | 0.0347 | 0.00000274 | 0.0000635 | 0.000152 | 0.000822 | 0.0000762 |
| 2047 Mar | 0.0000015 | 1.04 | 0.000914 | 1.31 | 0.0134 | 0.000331 | 0.763 | 0.00134 | 0.00164 | 0.0000187 | 0.0000789 | 0.0000467 | 0.0347 | 0.00000274 | 0.0000636 | 0.000153 | 0.000822 | 0.0000762 |
| 2047 Apr | 0.0000015 | 1.05 | 0.000914 | 1.31 | 0.0134 | 0.000332 | 0.763 | 0.00134 | 0.00165 | 0.0000187 | 0.0000789 | 0.0000467 | 0.0347 | 0.00000274 | 0.0000636 | 0.000153 | 0.000822 | 0.0000763 |
| 2047 May | 0.0000015 | 1.02 | 0.000889 | 1.29 | 0.0129 | 0.000325 | 0.748 | 0.00135 | 0.0016 | 0.0000188 | 0.0000775 | 0.0000454 | 0.0336 | 0.00000274 | 0.0000623 | 0.000153 | 0.000822 | 0.0000761 |
| 2047 Jun | 0.00000163 | 1.01 | 0.000885 | 1.31 | 0.0133 | 0.000381 | 0.736 | 0.0019 | 0.00171 | 0.0000183 | 0.0000833 | 0.0000458 | 0.0326 | 0.00000281 | 0.0000716 | 0.000165 | 0.00084 | 0.000108 |
| 2047 Jul | 0.00000173 | 1.06 | 0.000924 | 1.38 | 0.0139 | 0.000403 | 0.77 | 0.00204 | 0.00184 | 0.0000191 | 0.0000876 | 0.0000479 | 0.0341 | 0.00000296 | 0.0000755 | 0.000174 | 0.000883 | 0.000116 |
| 2047 Aug | 0.00000176 | 1.07 | 0.000931 | 1.4 | 0.0139 | 0.000405 | 0.778 | 0.00206 | 0.00186 | 0.0000195 | 0.0000884 | 0.0000482 | 0.0343 | 0.00000303 | 0.000076 | 0.000178 | 0.000905 | 0.000117 |
| 2047 Sep | 0.00000169 | 0.972 | 0.000847 | 1.28 | 0.0124 | 0.000363 | 0.712 | 0.00187 | 0.0017 | 0.0000184 | 0.000081 | 0.0000441 | 0.031 | 0.00000293 | 0.0000686 | 0.00017 | 0.000874 | 0.000105 |
| 2047 Oct | 0.00000166 | 0.925 | 0.00081 | 1.22 | 0.0118 | 0.000347 | 0.678 | 0.00179 | 0.00163 | 0.0000205 | 0.000078 | 0.0000424 | 0.0295 | 0.00000288 | 0.0000657 | 0.000167 | 0.000864 | 0.000101 |
| 2047 Nov | 0.00000166 | 0.924 | 0.000811 | 1.22 | 0.0118 | 0.000347 | 0.677 | 0.0018 | 0.00163 | 0.000022 | 0.0000782 | 0.0000424 | 0.0295 | 0.00000288 | 0.0000658 | 0.000167 | 0.000866 | 0.000101 |
| 2047 Dec | 0.00000166 | 0.924 | 0.000811 | 1.22 | 0.0118 | 0.000348 | 0.677 | 0.0018 | 0.00163 | 0.0000221 | 0.0000782 | 0.0000424 | 0.0295 | 0.00000288 | 0.0000658 | 0.000167 | 0.000867 | 0.000101 |
| 2048 Jan | 0.00000166 | 0.924 | 0.000811 | 1.22 | 0.0118 | 0.000348 | 0.677 | 0.0018 | 0.00163 | 0.0000222 | 0.0000782 | 0.0000424 | 0.0295 | 0.00000288 | 0.0000658 | 0.000167 | 0.000867 | 0.000101 |
| 2048 Feb | 0.00000166 | 0.924 | 0.000811 | 1.22 | 0.0118 | 0.000348 | 0.677 | 0.0018 | 0.00163 | 0.0000222 | 0.0000782 | 0.0000424 | 0.0295 | 0.00000288 | 0.0000659 | 0.000167 | 0.000867 | 0.000101 |
| 2048 Mar | 0.00000166 | 0.924 | 0.000811 | 1.22 | 0.0118 | 0.000348 | 0.677 | 0.0018 | 0.00163 | 0.0000222 | 0.0000782 | 0.0000424 | 0.0295 | 0.00000288 | 0.0000659 | 0.000167 | 0.000867 | 0.000101 |
| 2048 Apr | 0.00000166 | 0.925 | 0.000812 | 1.22 | 0.0118 | 0.000348 | 0.678 | 0.0018 | 0.00163 | 0.0000222 | 0.0000783 | 0.0000425 | 0.0295 | 0.00000289 | 0.0000659 | 0.000167 | 0.000868 | 0.000101 |
| 2048 May | 0.00000167 | 0.93 | 0.000816 | 1.23 | 0.0119 | 0.00035 | 0.682 | 0.00181 | 0.00164 | 0.0000223 | 0.0000788 | 0.0000427 | 0.0297 | 0.0000029 | 0.0000663 | 0.000168 | 0.000872 | 0.000102 |
| 2048 Jun | 0.00000167 | 0.931 | 0.000801 | 1.24 | 0.0119 | 0.000369 | 0.676 | 0.002 | 0.00174 | 0.0000201 | 0.0000796 | 0.0000419 | 0.0293 | 0.00000282 | 0.0000696 | 0.000167 | 0.000844 | 0.000112 |
| 2048 Jul | 0.00000178 | 0.975 | 0.000858 | 1.3 | 0.0132 | 0.000423 | 0.695 | 0.00235 | 0.00189 | 0.000019 | 0.000087 | 0.000045 | 0.0309 | 0.0000029 | 0.0000791 | 0.000177 | 0.000865 | 0.000133 |
| 2048 Aug | 0.00000183 | 0.99 | 0.000875 | 1.32 | 0.0134 | 0.00043 | 0.706 | 0.00239 | 0.00191 | 0.0000195 | 0.0000888 | 0.0000458 | 0.0314 | 0.000003 | 0.0000805 | 0.000182 | 0.000893 | 0.000136 |
| 2048 Sep | 0.00000184 | 0.987 | 0.000874 | 1.31 | 0.0134 | 0.000428 | 0.705 | 0.00238 | 0.00191 | 0.0000196 | 0.0000888 | 0.0000458 | 0.0313 | 0.00000303 | 0.0000802 | 0.000184 | 0.000901 | 0.000135 |
| 2048 Oct | 0.00000174 | 0.895 | 0.000795 | 1.2 | 0.0119 | 0.00038 | 0.643 | 0.00214 | 0.00169 | 0.0000505 | 0.0000823 | 0.0000417 | 0.0282 | 0.0000029 | 0.0000719 | 0.000174 | 0.00091 | 0.00012 |
| 2048 Nov | 0.00000172 | 0.868 | 0.000772 | 1.16 | 0.0115 | 0.000367 | 0.623 | 0.00207 | 0.00162 | 0.0000771 | 0.0000813 | 0.0000405 | 0.0274 | 0.00000287 | 0.0000696 | 0.000171 | 0.000938 | 0.000116 |
| 2048 Dec | 0.00000172 | 0.869 | 0.000774 | 1.16 | 0.0115 | 0.000368 | 0.624 | 0.00207 | 0.00162 | 0.0000784 | 0.0000815 | 0.0000406 | 0.0274 | 0.00000287 | 0.0000698 | 0.000171 | 0.00094 | 0.000116 |
| 2049 Jan | 0.00000172 | 0.87 | 0.000774 | 1.16 | 0.0115 | 0.000368 | 0.624 | 0.00208 | 0.00162 | 0.0000787 | 0.0000816 | 0.0000406 | 0.0274 | 0.00000287 | 0.0000699 | 0.000172 | 0.00094 | 0.000116 |
| 2049 Feb | 0.00000172 | 0.87 | 0.000774 | 1.16 | 0.0115 | 0.000369 | 0.624 | 0.00208 | 0.00162 | 0.0000787 | 0.0000816 | 0.0000407 | 0.0274 | 0.00000287 | 0.0000699 | 0.000172 | 0.000941 | 0.000116 |
| 2049 Mar | 0.00000172 | 0.87 | 0.000775 | 1.16 | 0.0115 | 0.000369 | 0.624 | 0.00208 | 0.00162 | 0.0000788 | 0.0000816 | 0.0000407 | 0.0274 | 0.00000287 | 0.0000699 | 0.000172 | 0.000941 | 0.000116 |
| 2049 Apr | 0.00000172 | 0.871 | 0.000775 | 1.17 | 0.0115 | 0.000369 | 0.624 | 0.00208 | 0.00162 | 0.0000789 | 0.0000817 | 0.0000407 | 0.0275 | 0.00000288 | 0.00007 | 0.000172 | 0.000942 | 0.000116 |
| 2049 May | 0.00000174 | 0.877 | 0.000781 | 1.17 | 0.0116 | 0.000372 | 0.629 | 0.00209 | 0.00163 | 0.0000794 | 0.0000823 | 0.000041 | 0.0277 | 0.0000029 | 0.0000705 | 0.000173 | 0.000948 | 0.000117 |
| 2049 Jun | 0.0000017 | 0.882 | 0.00076 | 1.18 | 0.0113 | 0.000367 | 0.637 | 0.00208 | 0.00172 | 0.0000347 | 0.0000787 | 0.0000397 | 0.0274 | 0.00000281 | 0.0000702 | 0.000169 | 0.000862 | 0.000115 |
| 2049 Jul | 0.00000179 | 0.932 | 0.000829 | 1.24 | 0.0128 | 0.000418 | 0.659 | 0.00235 | 0.00185 | 0.0000194 | 0.0000858 | 0.0000432 | 0.0294 | 0.00000288 | 0.00008 | 0.000177 | 0.000858 | 0.000132 |
| 2049 Aug | 0.00000183 | 0.933 | 0.000837 | 1.24 | 0.0129 | 0.00042 | 0.66 | 0.00236 | 0.00184 | 0.0000197 | 0.0000867 | 0.0000436 | 0.0294 | 0.00000295 | 0.0000806 | 0.000181 | 0.00088 | 0.000132 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 0.00000176 | 0.847 | 0.000772 | 1.13 | 0.0116 | 0.000378 | 0.602 | 0.00212 | 0.00165 | 0.0000187 | 0.00008 | 0.0000404 | 0.0267 | 0.00000287 | 0.0000733 | 0.000173 | 0.000857 | 0.000119 |
| 2049 Oct | 0.00000174 | 0.826 | 0.000759 | 1.1 | 0.0114 | 0.00037 | 0.587 | 0.00207 | 0.00159 | 0.000028 | 0.000079 | 0.0000398 | 0.0261 | 0.00000285 | 0.0000719 | 0.000172 | 0.000863 | 0.000116 |
| 2049 Nov | 0.00000175 | 0.829 | 0.000763 | 1.1 | 0.0114 | 0.000372 | 0.588 | 0.00208 | 0.0016 | 0.0000331 | 0.0000796 | 0.00004 | 0.0262 | 0.00000285 | 0.0000723 | 0.000172 | 0.000872 | 0.000117 |
| 2049 Dec | 0.00000175 | 0.83 | 0.000764 | 1.1 | 0.0114 | 0.000373 | 0.588 | 0.00208 | 0.0016 | 0.0000334 | 0.0000797 | 0.0000401 | 0.0262 | 0.00000285 | 0.0000724 | 0.000172 | 0.000873 | 0.000117 |
| 2050 Jan | 0.00000175 | 0.83 | 0.000764 | 1.1 | 0.0114 | 0.000373 | 0.588 | 0.00208 | 0.0016 | 0.0000335 | 0.0000797 | 0.0000401 | 0.0262 | 0.00000285 | 0.0000724 | 0.000172 | 0.000873 | 0.000117 |
| 2050 Feb | 0.00000175 | 0.83 | 0.000764 | 1.1 | 0.0114 | 0.000373 | 0.588 | 0.00208 | 0.0016 | 0.0000336 | 0.0000797 | 0.0000401 | 0.0262 | 0.00000286 | 0.0000724 | 0.000172 | 0.000873 | 0.000117 |
| 2050 Mar | 0.00000175 | 0.83 | 0.000764 | 1.1 | 0.0114 | 0.000373 | 0.588 | 0.00208 | 0.0016 | 0.0000336 | 0.0000798 | 0.0000401 | 0.0262 | 0.00000286 | 0.0000724 | 0.000172 | 0.000873 | 0.000117 |
| 2050 Apr | 0.00000175 | 0.83 | 0.000764 | 1.1 | 0.0114 | 0.000373 | 0.589 | 0.00208 | 0.0016 | 0.0000336 | 0.0000798 | 0.0000401 | 0.0262 | 0.00000286 | 0.0000725 | 0.000172 | 0.000873 | 0.000117 |
| 2050 May | 0.00000176 | 0.835 | 0.000768 | 1.11 | 0.0115 | 0.000375 | 0.592 | 0.00209 | 0.00161 | 0.0000338 | 0.0000802 | 0.0000403 | 0.0264 | 0.00000287 | 0.0000729 | 0.000173 | 0.000878 | 0.000117 |
| 2050 Jun | 0.00000172 | 0.846 | 0.000737 | 1.13 | 0.0108 | 0.000352 | 0.611 | 0.002 | 0.00166 | 0.0000274 | 0.0000764 | 0.0000383 | 0.0262 | 0.00000283 | 0.0000688 | 0.000169 | 0.000856 | 0.000109 |
| 2050 Jul | 0.00000178 | 0.91 | 0.0008 | 1.21 | 0.012 | 0.000391 | 0.65 | 0.00222 | 0.00182 | 0.00002 | 0.0000818 | 0.0000411 | 0.0284 | 0.00000289 | 0.0000756 | 0.000175 | 0.000863 | 0.000121 |
| 2050 Aug | 0.00000182 | 0.924 | 0.00082 | 1.23 | 0.0123 | 0.000399 | 0.66 | 0.00227 | 0.00184 | 0.0000202 | 0.0000837 | 0.000042 | 0.0289 | 0.00000297 | 0.0000772 | 0.00018 | 0.000887 | 0.000124 |
| 2050 Sep | 0.00000179 | 0.878 | 0.000788 | 1.17 | 0.0117 | 0.000379 | 0.629 | 0.00215 | 0.00174 | 0.0000195 | 0.0000803 | 0.0000404 | 0.0275 | 0.00000293 | 0.0000734 | 0.000176 | 0.000875 | 0.000117 |
| 2050 Oct | 0.00000179 | 0.872 | 0.000786 | 1.16 | 0.0117 | 0.000376 | 0.625 | 0.00213 | 0.00172 | 0.0000195 | 0.00008 | 0.0000403 | 0.0273 | 0.00000294 | 0.000073 | 0.000176 | 0.000878 | 0.000117 |
| 2050 Nov | 0.00000179 | 0.873 | 0.000787 | 1.16 | 0.0117 | 0.000377 | 0.626 | 0.00214 | 0.00172 | 0.0000196 | 0.0000802 | 0.0000404 | 0.0274 | 0.00000295 | 0.0000732 | 0.000177 | 0.00088 | 0.000117 |
| 2050 Dec | 0.00000179 | 0.874 | 0.000787 | 1.16 | 0.0117 | 0.000377 | 0.626 | 0.00214 | 0.00172 | 0.0000196 | 0.0000802 | 0.0000404 | 0.0274 | 0.00000295 | 0.0000732 | 0.000177 | 0.00088 | 0.000117 |
| 2051 Jan | 0.00000179 | 0.874 | 0.000787 | 1.16 | 0.0117 | 0.000377 | 0.626 | 0.00214 | 0.00172 | 0.0000196 | 0.0000802 | 0.0000404 | 0.0274 | 0.00000295 | 0.0000732 | 0.000177 | 0.00088 | 0.000117 |
| 2051 Feb | 0.00000179 | 0.873 | 0.000787 | 1.16 | 0.0117 | 0.000377 | 0.626 | 0.00214 | 0.00172 | 0.0000196 | 0.0000802 | 0.0000404 | 0.0274 | 0.00000295 | 0.0000732 | 0.000177 | 0.00088 | 0.000117 |
| 2051 Mar | 0.00000179 | 0.874 | 0.000787 | 1.16 | 0.0117 | 0.000377 | 0.626 | 0.00214 | 0.00172 | 0.0000196 | 0.0000802 | 0.0000404 | 0.0274 | 0.00000295 | 0.0000732 | 0.000177 | 0.00088 | 0.000117 |
| 2051 Apr | 0.00000179 | 0.874 | 0.000788 | 1.16 | 0.0117 | 0.000377 | 0.626 | 0.00214 | 0.00173 | 0.0000196 | 0.0000802 | 0.0000405 | 0.0274 | 0.00000295 | 0.0000732 | 0.000177 | 0.000881 | 0.000117 |
| 2051 May | 0.00000179 | 0.871 | 0.000785 | 1.16 | 0.0116 | 0.000374 | 0.626 | 0.00213 | 0.00172 | 0.0000196 | 0.0000799 | 0.0000403 | 0.0273 | 0.00000296 | 0.0000727 | 0.000177 | 0.000883 | 0.000116 |
| 2051 Jun | 0.00000171 | 0.858 | 0.000747 | 1.14 | 0.0109 | 0.000353 | 0.62 | 0.002 | 0.00169 | 0.0000181 | 0.000076 | 0.000038 | 0.0265 | 0.0000028 | 0.0000698 | 0.000168 | 0.000838 | 0.000107 |
| 2051 Jul | 0.00000184 | 0.942 | 0.000833 | 1.24 | 0.0125 | 0.000407 | 0.668 | 0.00227 | 0.00189 | 0.0000193 | 0.0000848 | 0.0000422 | 0.0295 | 0.00000295 | 0.0000801 | 0.000179 | 0.000879 | 0.000123 |
| 2051 Aug | 0.00000182 | 0.903 | 0.000803 | 1.19 | 0.0119 | 0.000386 | 0.643 | 0.00216 | 0.0018 | 0.0000191 | 0.0000819 | 0.0000407 | 0.0282 | 0.00000295 | 0.0000766 | 0.000178 | 0.00088 | 0.000116 |
| 2051 Sep | 0.00000179 | 0.856 | 0.00077 | 1.13 | 0.0113 | 0.000364 | 0.611 | 0.00203 | 0.00169 | 0.0000186 | 0.0000785 | 0.0000391 | 0.0267 | 0.00000292 | 0.0000727 | 0.000175 | 0.000871 | 0.000109 |
| 2051 Oct | 0.00000174 | 0.814 | 0.000738 | 1.07 | 0.0107 | 0.000344 | 0.581 | 0.00191 | 0.00158 | 0.000036 | 0.000076 | 0.0000377 | 0.0254 | 0.00000286 | 0.0000691 | 0.00017 | 0.000879 | 0.000102 |
| 2051 Nov | 0.00000173 | 0.811 | 0.000737 | 1.07 | 0.0107 | 0.000343 | 0.578 | 0.0019 | 0.00156 | 0.0000515 | 0.0000765 | 0.0000376 | 0.0254 | 0.00000285 | 0.0000689 | 0.000169 | 0.000898 | 0.000102 |
| 2051 Dec | 0.00000174 | 0.812 | 0.000739 | 1.07 | 0.0107 | 0.000344 | 0.578 | 0.0019 | 0.00156 | 0.0000524 | 0.0000767 | 0.0000377 | 0.0255 | 0.00000285 | 0.0000692 | 0.00017 | 0.000899 | 0.000102 |
| 2052 Jan | 0.00000174 | 0.813 | 0.000739 | 1.07 | 0.0107 | 0.000344 | 0.579 | 0.00191 | 0.00156 | 0.0000525 | 0.0000768 | 0.0000377 | 0.0255 | 0.00000285 | 0.0000692 | 0.00017 | 0.0009 | 0.000102 |
| 2052 Feb | 0.00000174 | 0.813 | 0.000739 | 1.07 | 0.0107 | 0.000344 | 0.579 | 0.00191 | 0.00156 | 0.0000525 | 0.0000768 | 0.0000377 | 0.0255 | 0.00000285 | 0.0000692 | 0.00017 | 0.0009 | 0.000102 |
| 2052 Mar | 0.00000174 | 0.813 | 0.000739 | 1.07 | 0.0107 | 0.000344 | 0.579 | 0.00191 | 0.00156 | 0.0000526 | 0.0000768 | 0.0000377 | 0.0255 | 0.00000285 | 0.0000692 | 0.00017 | 0.0009 | 0.000102 |
| 2052 Apr | 0.00000174 | 0.813 | 0.00074 | 1.07 | 0.0107 | 0.000345 | 0.579 | 0.00191 | 0.00156 | 0.0000526 | 0.0000769 | 0.0000378 | 0.0255 | 0.00000285 | 0.0000693 | 0.00017 | 0.0009 | 0.000102 |
| 2052 May | 0.00000175 | 0.82 | 0.000745 | 1.08 | 0.0108 | 0.000347 | 0.584 | 0.00192 | 0.00157 | 0.0000545 | 0.0000775 | 0.000038 | 0.0257 | 0.00000288 | 0.0000698 | 0.000171 | 0.00091 | 0.000103 |
| 2052 Jun | 0.0000017 | 0.839 | 0.000724 | 1.12 | 0.0103 | 0.000329 | 0.611 | 0.00186 | 0.00164 | 0.0000288 | 0.0000733 | 0.0000364 | 0.0257 | 0.00000282 | 0.0000662 | 0.000167 | 0.000858 | 0.0000965 |
| 2052 Jul | 0.00000181 | 0.918 | 0.000798 | 1.21 | 0.0116 | 0.00037 | 0.662 | 0.00208 | 0.00183 | 0.0000226 | 0.0000799 | 0.0000399 | 0.0284 | 0.00000297 | 0.0000738 | 0.000177 | 0.000891 | 0.000109 |
| 2052 Aug | 0.00000183 | 0.918 | 0.0008 | 1.22 | 0.0116 | 0.000369 | 0.663 | 0.00208 | 0.00183 | 0.0000222 | 0.0000801 | 0.00004 | 0.0284 | 0.00000301 | 0.0000736 | 0.000179 | 0.000902 | 0.000108 |
| 2052 Sep | 0.0000018 | 0.886 | 0.000778 | 1.17 | 0.0112 | 0.000355 | 0.641 | 0.00199 | 0.00176 | 0.000021 | 0.0000777 | 0.0000389 | 0.0275 | 0.00000298 | 0.0000709 | 0.000176 | 0.000892 | 0.000104 |
| 2052 Oct | 0.00000178 | 0.87 | 0.000768 | 1.15 | 0.011 | 0.000349 | 0.63 | 0.00196 | 0.00172 | 0.0000217 | 0.0000767 | 0.0000384 | 0.027 | 0.00000296 | 0.0000698 | 0.000175 | 0.000888 | 0.000102 |
| 2052 Nov | 0.00000178 | 0.87 | 0.000768 | 1.15 | 0.011 | 0.000349 | 0.629 | 0.00196 | 0.00172 | 0.0000221 | 0.0000767 | 0.0000384 | 0.027 | 0.00000296 | 0.0000698 | 0.000175 | 0.000889 | 0.000102 |
| 2052 Dec | 0.00000178 | 0.87 | 0.000768 | 1.15 | 0.011 | 0.000349 | 0.629 | 0.00196 | 0.00172 | 0.0000221 | 0.0000767 | 0.0000384 | 0.027 | 0.00000296 | 0.0000698 | 0.000175 | 0.000889 | 0.000102 |
| 2053 Jan | 0.00000178 | 0.87 | 0.000768 | 1.15 | 0.011 | 0.000349 | 0.629 | 0.00196 | 0.00172 | 0.0000221 | 0.0000767 | 0.0000384 | 0.027 | 0.00000296 | 0.0000698 | 0.000175 | 0.000889 | 0.000102 |
| 2053 Feb | 0.00000178 | 0.87 | 0.000768 | 1.15 | 0.011 | 0.000349 | 0.629 | 0.00196 | 0.00172 | 0.0000221 | 0.0000767 | 0.0000384 | 0.027 | 0.00000296 | 0.0000698 | 0.000175 | 0.000889 | 0.000102 |
| 2053 Mar | 0.00000179 | 0.87 | 0.000768 | 1.15 | 0.011 | 0.000349 | 0.629 | 0.00196 | 0.00172 | 0.0000221 | 0.0000767 | 0.0000384 | 0.027 | 0.00000296 | 0.0000698 | 0.000175 | 0.00089 | 0.000102 |
| 2053 Apr | 0.00000179 | 0.871 | 0.000769 | 1.15 | 0.011 | 0.000349 | 0.63 | 0.00196 | 0.00172 | 0.0000222 | 0.0000768 | 0.0000385 | 0.027 | 0.00000297 | 0.0000699 | 0.000175 | 0.000891 | 0.000102 |
| 2053 May | 0.00000176 | 0.843 | 0.000744 | 1.12 | 0.0105 | 0.000332 | 0.615 | 0.00187 | 0.00164 | 0.0000226 | 0.0000743 | 0.0000372 | 0.026 | 0.00000294 | 0.0000668 | 0.000173 | 0.000885 | 0.0000969 |
| 2053 Jun | 0.00000173 | 0.862 | 0.000747 | 1.13 | 0.0107 | 0.00034 | 0.623 | 0.00188 | 0.00169 | 0.0000188 | 0.0000749 | 0.0000372 | 0.0265 | 0.00000283 | 0.0000696 | 0.000168 | 0.000846 | 0.0000957 |
| 2053 Jul | 0.00000185 | 0.949 | 0.000833 | 1.24 | 0.0123 | 0.000388 | 0.676 | 0.00213 | 0.00189 | 0.0000196 | 0.0000831 | 0.0000413 | 0.0296 | 0.00000299 | 0.0000788 | 0.000179 | 0.000892 | 0.00011 |
| 2053 Aug | 0.00000189 | 0.959 | 0.000844 | 1.25 | 0.0124 | 0.00039 | 0.685 | 0.00215 | 0.00191 | 0.00002 | 0.000084 | 0.0000418 | 0.0299 | 0.00000306 | 0.0000793 | 0.000184 | 0.000916 | 0.000111 |
| 2053 Sep | 0.00000188 | 0.941 | 0.000829 | 1.23 | 0.0121 | 0.00038 | 0.673 | 0.00209 | 0.00187 | 0.0000198 | 0.0000825 | 0.000041 | 0.0293 | 0.00000307 | 0.0000773 | 0.000183 | 0.000917 | 0.000108 |
| 2053 Oct | 0.00000186 | 0.918 | 0.000811 | 1.2 | 0.0117 | 0.000369 | 0.659 | 0.00203 | 0.00182 | 0.0000213 | 0.0000807 | 0.0000402 | 0.0286 | 0.00000304 | 0.0000751 | 0.000181 | 0.000911 | 0.000105 |
| 2053 Nov | 0.00000184 | 0.907 | 0.000801 | 1.19 | 0.0116 | 0.000363 | 0.651 | 0.002 | 0.00179 | 0.0000243 | 0.0000799 | 0.0000397 | 0.0282 | 0.00000303 | 0.000074 | 0.000179 | 0.000911 | 0.000103 |
| 2053 Dec | 0.00000184 | 0.905 | 0.0008 | 1.19 | 0.0115 | 0.000362 | 0.65 | 0.002 | 0.00179 | 0.0000246 | 0.0000798 | 0.0000396 | 0.0281 | 0.00000302 | 0.0000738 | 0.000179 | 0.000911 | 0.000103 |
| 2054 Jan | 0.00000184 | 0.904 | 0.000799 | 1.19 | 0.0115 | 0.000362 | 0.649 | 0.002 | 0.00179 | 0.0000247 | 0.0000797 | 0.0000396 | 0.0281 | 0.00000302 | 0.0000738 | 0.000179 | 0.000911 | 0.000103 |
| 2054 Feb | 0.00000184 | 0.904 | 0.000799 | 1.19 | 0.0115 | 0.000362 | 0.649 | 0.002 | 0.00179 | 0.0000247 | 0.0000797 | 0.0000396 | 0.0281 | 0.00000302 | 0.0000738 | 0.000179 | 0.000911 | 0.000103 |
| 2054 Mar | 0.00000184 | 0.904 | 0.000799 | 1.18 | 0.0115 | 0.000362 | 0.649 | 0.002 | 0.00179 | 0.0000248 | 0.0000797 | 0.0000396 | 0.0281 | 0.00000302 | 0.0000738 | 0.000179 | 0.000911 | 0.000103 |
| 2054 Apr | 0.00000184 | 0.905 | 0.0008 | 1.19 | 0.0115 | 0.000362 | 0.65 | 0.002 | 0.00179 | 0.0000248 | 0.0000798 | 0.0000396 | 0.0281 | 0.00000302 | 0.0000738 | 0.000179 | 0.000912 | 0.000103 |
| 2054 May | 0.00000184 | 0.9 | 0.000795 | 1.18 | 0.0114 | 0.000358 | 0.648 | 0.00198 | 0.00177 | 0.0000253 | 0.0000793 | 0.0000394 | 0.0279 | 0.00000303 | 0.0000731 | 0.000179 | 0.000914 | 0.000102 |
| 2054 Jun | 0.00000169 | 0.841 | 0.000728 | 1.11 | 0.0102 | 0.000319 | 0.614 | 0.00177 | 0.00163 | 0.0000202 | 0.0000716 | 0.0000357 | 0.0258 | 0.00000281 | 0.0000654 | 0.000165 | 0.000843 | 0.0000882 |
| 2054 Jul | 0.00000173 | 0.875 | 0.00078 | 1.15 | 0.0114 | 0.000349 | 0.628 | 0.00193 | 0.00174 | 0.0000186 | 0.0000758 | 0.000038 | 0.0275 | 0.00000285 | 0.0000707 | 0.000169 | 0.000851 | 0.0000977 |
| 2054 Aug | 0.00000169 | 0.81 | 0.000747 | 1.05 | 0.0108 | 0.000329 | 0.579 | 0.0018 | 0.00159 | 0.000018 | 0.0000723 | 0.0000362 | 0.0256 | 0.00000281 | 0.000067 | 0.000165 | 0.00084 | 0.0000917 |
| 2054 Sep | 0.0000017 | 0.797 | 0.00075 | 1.03 | 0.0109 | 0.000331 | 0.565 | 0.00179 | 0.00156 | 0.000018 | 0.0000725 | 0.0000364 | 0.0254 | 0.00000281 | 0.0000676 | 0.000165 | 0.00084 | 0.000092 |
| 2054 Oct | 0.00000168 | 0.795 | 0.000742 | 1.03 | 0.0107 | 0.000327 | 0.563 | 0.00177 | 0.00153 | 0.0000578 | 0.0000736 | 0.0000362 | 0.0254 | 0.00000278 | 0.0000668 | 0.000164 | 0.000886 | 0.000091 |
| 2054 Nov | 0.00000168 | 0.806 | 0.000746 | 1.05 | 0.0108 | 0.000329 | 0.57 | 0.00179 | 0.00154 | 0.0000891 | 0.0000753 | 0.0000363 | 0.0257 | 0.00000278 | 0.0000672 | 0.000164 | 0.000931 | 0.0000917 |
| 2054 Dec | 0.00000169 | 0.81 | 0.000749 | 1.05 | 0.0108 | 0.000331 | 0.572 | 0.0018 | 0.00154 | 0.00009 | 0.0000756 | 0.0000364 | 0.0258 | 0.00000278 | 0.0000675 | 0.000164 | 0.000933 | 0.0000923 |
| 2055 Jan | 0.00000169 | 0.81 | 0.000749 | 1.05 | 0.0108 | 0.000331 | 0.572 | 0.0018 | 0.00154 | 0.0000901 | 0.0000757 | 0.0000364 | 0.0258 | 0.00000278 | 0.0000676 | 0.000164 | 0.000933 | 0.0000923 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 0.00000169 | 0.81 | 0.00075 | 1.05 | 0.0109 | 0.000331 | 0.572 | 0.0018 | 0.00154 | 0.0000901 | 0.0000757 | 0.0000364 | 0.0258 | 0.00000279 | 0.0000676 | 0.000164 | 0.000933 | 0.0000924 |
| 2055 Mar | 0.00000169 | 0.81 | 0.00075 | 1.05 | 0.0109 | 0.000331 | 0.572 | 0.0018 | 0.00154 | 0.0000902 | 0.0000757 | 0.0000364 | 0.0258 | 0.00000279 | 0.0000676 | 0.000164 | 0.000934 | 0.0000924 |
| 2055 Apr | 0.00000169 | 0.811 | 0.00075 | 1.05 | 0.0109 | 0.000331 | 0.573 | 0.0018 | 0.00155 | 0.0000902 | 0.0000758 | 0.0000365 | 0.0258 | 0.00000279 | 0.0000677 | 0.000164 | 0.000934 | 0.0000924 |
| 2055 May | 0.0000017 | 0.815 | 0.000754 | 1.06 | 0.0109 | 0.000333 | 0.575 | 0.00181 | 0.00155 | 0.0000907 | 0.0000761 | 0.0000366 | 0.026 | 0.0000028 | 0.000068 | 0.000165 | 0.000939 | 0.0000929 |
| 2055 Jun | 0.00000166 | 0.832 | 0.000724 | 1.09 | 0.0102 | 0.000312 | 0.604 | 0.00174 | 0.00166 | 0.000041 | 0.0000706 | 0.0000348 | 0.0258 | 0.00000276 | 0.0000641 | 0.000162 | 0.000859 | 0.000086 |
| 2055 Jul | 0.00000175 | 0.896 | 0.000791 | 1.17 | 0.0115 | 0.000349 | 0.644 | 0.00193 | 0.00182 | 0.0000204 | 0.0000758 | 0.0000377 | 0.0281 | 0.00000287 | 0.0000715 | 0.00017 | 0.000861 | 0.0000957 |
| 2055 Aug | 0.00000174 | 0.857 | 0.000769 | 1.12 | 0.0111 | 0.000334 | 0.617 | 0.00185 | 0.00173 | 0.0000194 | 0.0000736 | 0.0000366 | 0.0269 | 0.00000287 | 0.0000688 | 0.000169 | 0.000861 | 0.0000913 |
| 2055 Sep | 0.00000168 | 0.788 | 0.000723 | 1.02 | 0.0103 | 0.000308 | 0.567 | 0.00169 | 0.00156 | 0.0000183 | 0.0000693 | 0.0000346 | 0.0248 | 0.0000028 | 0.0000641 | 0.000163 | 0.000839 | 0.0000833 |
| 2055 Oct | 0.00000168 | 0.784 | 0.000729 | 1.02 | 0.0104 | 0.000311 | 0.562 | 0.00168 | 0.00154 | 0.0000186 | 0.0000698 | 0.0000351 | 0.0248 | 0.0000028 | 0.0000648 | 0.000163 | 0.000839 | 0.000084 |
| 2055 Nov | 0.00000168 | 0.787 | 0.000734 | 1.02 | 0.0105 | 0.000314 | 0.563 | 0.00169 | 0.00155 | 0.000019 | 0.0000702 | 0.0000353 | 0.025 | 0.0000028 | 0.0000653 | 0.000164 | 0.00084 | 0.0000847 |
| 2055 Dec | 0.00000169 | 0.789 | 0.000737 | 1.02 | 0.0105 | 0.000316 | 0.564 | 0.0017 | 0.00156 | 0.0000191 | 0.0000705 | 0.0000355 | 0.0251 | 0.0000028 | 0.0000657 | 0.000164 | 0.00084 | 0.0000852 |
| 2056 Jan | 0.00000169 | 0.79 | 0.000737 | 1.02 | 0.0105 | 0.000316 | 0.565 | 0.0017 | 0.00156 | 0.0000192 | 0.0000705 | 0.0000355 | 0.0251 | 0.0000028 | 0.0000657 | 0.000164 | 0.00084 | 0.0000853 |
| 2056 Feb | 0.00000169 | 0.79 | 0.000738 | 1.02 | 0.0105 | 0.000316 | 0.565 | 0.0017 | 0.00156 | 0.0000192 | 0.0000706 | 0.0000355 | 0.0251 | 0.0000028 | 0.0000658 | 0.000164 | 0.000841 | 0.0000853 |
| 2056 Mar | 0.00000169 | 0.79 | 0.000738 | 1.02 | 0.0105 | 0.000316 | 0.565 | 0.0017 | 0.00156 | 0.0000192 | 0.0000706 | 0.0000355 | 0.0251 | 0.0000028 | 0.0000658 | 0.000164 | 0.000841 | 0.0000853 |
| 2056 Apr | 0.00000169 | 0.791 | 0.000738 | 1.02 | 0.0105 | 0.000317 | 0.565 | 0.0017 | 0.00156 | 0.0000192 | 0.0000706 | 0.0000355 | 0.0251 | 0.00000281 | 0.0000658 | 0.000164 | 0.000841 | 0.0000854 |
| 2056 May | 0.00000169 | 0.784 | 0.000725 | 1.02 | 0.0102 | 0.000308 | 0.566 | 0.00167 | 0.00153 | 0.0000191 | 0.0000695 | 0.0000349 | 0.0247 | 0.00000281 | 0.0000643 | 0.000164 | 0.000843 | 0.0000825 |
| 2056 Jun | 0.00000168 | 0.836 | 0.000751 | 1.08 | 0.0107 | 0.000323 | 0.604 | 0.00176 | 0.00163 | 0.0000181 | 0.0000714 | 0.0000354 | 0.0261 | 0.00000277 | 0.0000677 | 0.000163 | 0.000829 | 0.0000849 |
| 2056 Jul | 0.00000176 | 0.89 | 0.000795 | 1.15 | 0.0114 | 0.000343 | 0.64 | 0.00187 | 0.00178 | 0.0000189 | 0.0000751 | 0.0000373 | 0.0279 | 0.00000288 | 0.0000715 | 0.00017 | 0.000863 | 0.0000907 |
| 2056 Aug | 0.00000181 | 0.912 | 0.000814 | 1.18 | 0.0117 | 0.00035 | 0.656 | 0.00191 | 0.00182 | 0.0000194 | 0.0000769 | 0.0000382 | 0.0285 | 0.00000297 | 0.000073 | 0.000175 | 0.00089 | 0.0000925 |
| 2056 Sep | 0.00000182 | 0.908 | 0.000811 | 1.18 | 0.0115 | 0.000346 | 0.656 | 0.00189 | 0.00181 | 0.0000195 | 0.0000767 | 0.0000381 | 0.0284 | 0.000003 | 0.0000723 | 0.000176 | 0.000899 | 0.0000915 |
| 2056 Oct | 0.0000017 | 0.814 | 0.000725 | 1.07 | 0.01 | 0.000298 | 0.594 | 0.00164 | 0.0016 | 0.0000426 | 0.0000697 | 0.0000344 | 0.0253 | 0.00000286 | 0.0000629 | 0.000165 | 0.000889 | 0.0000785 |
| 2056 Nov | 0.00000169 | 0.805 | 0.000718 | 1.05 | 0.00988 | 0.000294 | 0.586 | 0.00162 | 0.00157 | 0.0000544 | 0.0000695 | 0.000034 | 0.0251 | 0.00000284 | 0.0000621 | 0.000164 | 0.000901 | 0.0000771 |
| 2056 Dec | 0.00000169 | 0.805 | 0.000718 | 1.05 | 0.0099 | 0.000294 | 0.586 | 0.00162 | 0.00157 | 0.000055 | 0.0000696 | 0.0000341 | 0.0251 | 0.00000284 | 0.0000622 | 0.000164 | 0.000902 | 0.0000772 |
| 2057 Jan | 0.00000169 | 0.805 | 0.000718 | 1.05 | 0.0099 | 0.000294 | 0.586 | 0.00162 | 0.00157 | 0.0000552 | 0.0000696 | 0.0000341 | 0.0251 | 0.00000284 | 0.0000622 | 0.000164 | 0.000903 | 0.0000772 |
| 2057 Feb | 0.00000169 | 0.805 | 0.000718 | 1.05 | 0.0099 | 0.000294 | 0.586 | 0.00162 | 0.00157 | 0.0000552 | 0.0000696 | 0.0000341 | 0.0251 | 0.00000284 | 0.0000622 | 0.000164 | 0.000903 | 0.0000772 |
| 2057 Mar | 0.00000169 | 0.806 | 0.000719 | 1.05 | 0.0099 | 0.000295 | 0.587 | 0.00162 | 0.00157 | 0.0000552 | 0.0000696 | 0.0000341 | 0.0251 | 0.00000284 | 0.0000622 | 0.000164 | 0.000903 | 0.0000772 |
| 2057 Apr | 0.00000169 | 0.806 | 0.000719 | 1.05 | 0.00991 | 0.000295 | 0.587 | 0.00162 | 0.00157 | 0.0000553 | 0.0000697 | 0.0000341 | 0.0251 | 0.00000284 | 0.0000622 | 0.000164 | 0.000904 | 0.0000773 |
| 2057 May | 0.00000167 | 0.789 | 0.0007 | 1.04 | 0.00949 | 0.000282 | 0.58 | 0.00156 | 0.00151 | 0.000053 | 0.0000678 | 0.0000332 | 0.0244 | 0.00000283 | 0.00006 | 0.000163 | 0.000898 | 0.0000735 |
| 2057 Jun | 0.00000167 | 0.821 | 0.000732 | 1.07 | 0.0101 | 0.0003 | 0.601 | 0.00164 | 0.00157 | 0.0000226 | 0.0000688 | 0.0000342 | 0.0254 | 0.00000279 | 0.0000638 | 0.000162 | 0.000843 | 0.0000763 |
| 2057 Jul | 0.00000174 | 0.866 | 0.000774 | 1.12 | 0.0109 | 0.000321 | 0.63 | 0.00174 | 0.00169 | 0.0000212 | 0.0000724 | 0.000036 | 0.027 | 0.00000289 | 0.0000677 | 0.000168 | 0.000869 | 0.0000817 |
| 2057 Aug | 0.00000179 | 0.882 | 0.00079 | 1.14 | 0.0111 | 0.000325 | 0.642 | 0.00177 | 0.00173 | 0.0000212 | 0.0000738 | 0.0000367 | 0.0275 | 0.00000298 | 0.0000688 | 0.000173 | 0.000896 | 0.0000828 |
| 2057 Sep | 0.00000171 | 0.815 | 0.000735 | 1.06 | 0.0101 | 0.000295 | 0.596 | 0.00161 | 0.00159 | 0.0000195 | 0.0000687 | 0.0000345 | 0.0254 | 0.00000289 | 0.0000629 | 0.000166 | 0.000868 | 0.0000748 |
| 2057 Oct | 0.00000166 | 0.775 | 0.000708 | 1.01 | 0.00968 | 0.000282 | 0.566 | 0.00151 | 0.0015 | 0.0000258 | 0.0000664 | 0.0000336 | 0.0243 | 0.00000282 | 0.0000601 | 0.000161 | 0.000856 | 0.0000708 |
| 2057 Nov | 0.00000167 | 0.78 | 0.000715 | 1.01 | 0.00982 | 0.000285 | 0.568 | 0.00152 | 0.00151 | 0.0000292 | 0.0000671 | 0.0000339 | 0.0246 | 0.00000282 | 0.0000609 | 0.000162 | 0.000862 | 0.0000717 |
| 2057 Dec | 0.00000167 | 0.781 | 0.000716 | 1.01 | 0.00984 | 0.000286 | 0.569 | 0.00152 | 0.00151 | 0.0000295 | 0.0000672 | 0.0000339 | 0.0246 | 0.00000282 | 0.000061 | 0.000162 | 0.000863 | 0.0000718 |
| 2058 Jan | 0.00000167 | 0.781 | 0.000716 | 1.01 | 0.00984 | 0.000286 | 0.569 | 0.00152 | 0.00151 | 0.0000295 | 0.0000672 | 0.000034 | 0.0246 | 0.00000283 | 0.000061 | 0.000162 | 0.000863 | 0.0000719 |
| 2058 Feb | 0.00000167 | 0.781 | 0.000716 | 1.01 | 0.00984 | 0.000286 | 0.569 | 0.00153 | 0.00151 | 0.0000295 | 0.0000672 | 0.000034 | 0.0246 | 0.00000283 | 0.000061 | 0.000162 | 0.000863 | 0.0000719 |
| 2058 Mar | 0.00000167 | 0.781 | 0.000716 | 1.01 | 0.00984 | 0.000286 | 0.569 | 0.00153 | 0.00151 | 0.0000295 | 0.0000673 | 0.000034 | 0.0246 | 0.00000283 | 0.000061 | 0.000162 | 0.000863 | 0.0000719 |
| 2058 Apr | 0.00000167 | 0.782 | 0.000717 | 1.01 | 0.00985 | 0.000286 | 0.569 | 0.00153 | 0.00151 | 0.0000296 | 0.0000673 | 0.000034 | 0.0246 | 0.00000283 | 0.0000611 | 0.000162 | 0.000863 | 0.0000719 |
| 2058 May | 0.00000166 | 0.775 | 0.000706 | 1.01 | 0.00959 | 0.000279 | 0.569 | 0.0015 | 0.00148 | 0.0000296 | 0.0000663 | 0.0000334 | 0.0242 | 0.00000283 | 0.0000597 | 0.000161 | 0.000863 | 0.0000698 |
| 2058 Jun | 0.00000168 | 0.846 | 0.000751 | 1.09 | 0.0105 | 0.000309 | 0.612 | 0.00165 | 0.00166 | 0.0000191 | 0.00007 | 0.0000347 | 0.0263 | 0.00000278 | 0.0000664 | 0.000162 | 0.000834 | 0.0000757 |
| 2058 Jul | 0.0000018 | 0.922 | 0.000821 | 1.18 | 0.0117 | 0.000345 | 0.659 | 0.00182 | 0.00184 | 0.0000197 | 0.0000767 | 0.0000379 | 0.0289 | 0.00000294 | 0.0000743 | 0.000173 | 0.000881 | 0.0000844 |
| 2058 Aug | 0.00000186 | 0.947 | 0.000844 | 1.21 | 0.012 | 0.000354 | 0.677 | 0.00187 | 0.00189 | 0.0000203 | 0.000079 | 0.0000389 | 0.0297 | 0.00000304 | 0.0000764 | 0.000178 | 0.000912 | 0.0000864 |
| 2058 Sep | 0.00000176 | 0.845 | 0.000757 | 1.08 | 0.0105 | 0.00031 | 0.609 | 0.00162 | 0.00167 | 0.0000188 | 0.0000717 | 0.0000355 | 0.0263 | 0.00000291 | 0.0000681 | 0.000169 | 0.000872 | 0.0000746 |
| 2058 Oct | 0.00000172 | 0.789 | 0.000718 | 1.01 | 0.00981 | 0.000292 | 0.567 | 0.00148 | 0.00153 | 0.0000258 | 0.0000693 | 0.0000344 | 0.0246 | 0.00000284 | 0.0000654 | 0.000164 | 0.000863 | 0.0000686 |
| 2058 Nov | 0.00000174 | 0.797 | 0.000728 | 1.02 | 0.01 | 0.000298 | 0.57 | 0.00151 | 0.00154 | 0.0000332 | 0.0000706 | 0.0000348 | 0.0249 | 0.00000285 | 0.0000669 | 0.000165 | 0.000874 | 0.0000698 |
| 2058 Dec | 0.00000174 | 0.799 | 0.000729 | 1.02 | 0.01 | 0.000299 | 0.57 | 0.00151 | 0.00154 | 0.0000337 | 0.0000708 | 0.0000349 | 0.025 | 0.00000285 | 0.0000671 | 0.000165 | 0.000876 | 0.00007 |
| 2059 Jan | 0.00000174 | 0.799 | 0.00073 | 1.02 | 0.01 | 0.000299 | 0.571 | 0.00151 | 0.00154 | 0.0000338 | 0.0000709 | 0.0000349 | 0.025 | 0.00000285 | 0.0000671 | 0.000165 | 0.000876 | 0.0000701 |
| 2059 Feb | 0.00000174 | 0.799 | 0.00073 | 1.02 | 0.01 | 0.000299 | 0.571 | 0.00151 | 0.00154 | 0.0000338 | 0.0000709 | 0.0000349 | 0.025 | 0.00000285 | 0.0000671 | 0.000165 | 0.000876 | 0.0000701 |
| 2059 Mar | 0.00000174 | 0.799 | 0.00073 | 1.02 | 0.01 | 0.000299 | 0.571 | 0.00151 | 0.00154 | 0.0000339 | 0.0000709 | 0.0000349 | 0.025 | 0.00000285 | 0.0000671 | 0.000165 | 0.000876 | 0.0000701 |
| 2059 Apr | 0.00000174 | 0.8 | 0.000731 | 1.02 | 0.0101 | 0.0003 | 0.571 | 0.00151 | 0.00154 | 0.0000339 | 0.000071 | 0.0000349 | 0.025 | 0.00000285 | 0.0000672 | 0.000165 | 0.000877 | 0.0000702 |
| 2059 May | 0.00000174 | 0.793 | 0.000719 | 1.01 | 0.00979 | 0.000292 | 0.57 | 0.00149 | 0.00151 | 0.0000343 | 0.00007 | 0.0000343 | 0.0246 | 0.00000285 | 0.0000658 | 0.000165 | 0.000878 | 0.0000681 |
| 2059 Jun | 0.00000173 | 0.819 | 0.000728 | 1.05 | 0.00993 | 0.000296 | 0.595 | 0.00154 | 0.00154 | 0.0000229 | 0.0000698 | 0.0000339 | 0.0251 | 0.00000283 | 0.0000667 | 0.000164 | 0.000857 | 0.000068 |
| 2059 Jul | 0.00000182 | 0.875 | 0.000777 | 1.12 | 0.0107 | 0.000318 | 0.632 | 0.00165 | 0.00167 | 0.0000224 | 0.0000741 | 0.000036 | 0.0269 | 0.00000296 | 0.0000713 | 0.000172 | 0.000894 | 0.0000733 |
| 2059 Aug | 0.00000186 | 0.893 | 0.000792 | 1.14 | 0.0109 | 0.000323 | 0.645 | 0.00168 | 0.00171 | 0.0000226 | 0.0000755 | 0.0000367 | 0.0274 | 0.00000304 | 0.0000725 | 0.000176 | 0.000916 | 0.0000744 |
| 2059 Sep | 0.00000178 | 0.838 | 0.000744 | 1.07 | 0.0101 | 0.000297 | 0.609 | 0.00155 | 0.00161 | 0.0000207 | 0.0000708 | 0.0000347 | 0.0257 | 0.00000295 | 0.0000669 | 0.00017 | 0.000889 | 0.0000683 |
| 2059 Oct | 0.0000017 | 0.779 | 0.000702 | 0.997 | 0.00942 | 0.000275 | 0.563 | 0.00141 | 0.00147 | 0.0000528 | 0.000068 | 0.0000331 | 0.0242 | 0.00000283 | 0.0000621 | 0.000162 | 0.000898 | 0.0000625 |
| 2059 Nov | 0.00000171 | 0.791 | 0.000715 | 1.01 | 0.00968 | 0.000282 | 0.569 | 0.00144 | 0.0015 | 0.000063 | 0.0000696 | 0.0000337 | 0.0247 | 0.00000284 | 0.0000636 | 0.000163 | 0.000915 | 0.0000642 |
| 2059 Dec | 0.00000171 | 0.793 | 0.000717 | 1.01 | 0.00972 | 0.000283 | 0.57 | 0.00145 | 0.0015 | 0.0000635 | 0.0000698 | 0.0000337 | 0.0248 | 0.00000284 | 0.0000638 | 0.000163 | 0.000916 | 0.0000645 |
| 2060 Jan | 0.00000171 | 0.794 | 0.000718 | 1.01 | 0.00973 | 0.000284 | 0.57 | 0.00145 | 0.0015 | 0.0000636 | 0.0000698 | 0.0000338 | 0.0248 | 0.00000284 | 0.0000639 | 0.000163 | 0.000916 | 0.0000645 |
| 2060 Feb | 0.00000171 | 0.794 | 0.000718 | 1.01 | 0.00973 | 0.000284 | 0.571 | 0.00145 | 0.0015 | 0.0000636 | 0.0000698 | 0.0000338 | 0.0248 | 0.00000284 | 0.0000639 | 0.000163 | 0.000916 | 0.0000645 |
| 2060 Mar | 0.00000171 | 0.794 | 0.000718 | 1.01 | 0.00973 | 0.000284 | 0.571 | 0.00145 | 0.0015 | 0.0000636 | 0.0000699 | 0.0000338 | 0.0248 | 0.00000284 | 0.0000639 | 0.000163 | 0.000916 | 0.0000646 |
| 2060 Apr | 0.00000171 | 0.795 | 0.000719 | 1.01 | 0.00974 | 0.000284 | 0.571 | 0.00145 | 0.0015 | 0.0000637 | 0.0000699 | 0.0000338 | 0.0248 | 0.00000284 | 0.000064 | 0.000163 | 0.000917 | 0.0000646 |
| 2060 May | 0.00000169 | 0.789 | 0.00071 | 1.01 | 0.00954 | 0.000277 | 0.576 | 0.00145 | 0.00146 | 0.0000442 | 0.0000676 | 0.0000329 | 0.0244 | 0.00000282 | 0.0000623 | 0.000161 | 0.000881 | 0.000063 |
| 2060 Jun | 0.00000171 | 0.839 | 0.000765 | 1.07 | 0.0106 | 0.000306 | 0.606 | 0.0016 | 0.00158 | 0.0000211 | 0.0000702 | 0.0000346 | 0.0262 | 0.00000281 | 0.0000674 | 0.000163 | 0.000848 | 0.0000703 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 0.00000177 | 0.874 | 0.000796 | 1.11 | 0.0111 | 0.000318 | 0.632 | 0.00166 | 0.00167 | 0.0000213 | 0.0000729 | 0.000036 | 0.0273 | 0.00000293 | 0.0000699 | 0.000169 | 0.000881 | 0.0000731 |
| 2060 Aug | 0.00000171 | 0.81 | 0.000737 | 1.04 | 0.0101 | 0.000286 | 0.59 | 0.00151 | 0.00156 | 0.0000194 | 0.0000675 | 0.0000334 | 0.0252 | 0.00000286 | 0.0000634 | 0.000164 | 0.000859 | 0.0000654 |
| 2060 Sep | 0.00000165 | 0.759 | 0.000708 | 0.959 | 0.00965 | 0.000273 | 0.546 | 0.00139 | 0.00147 | 0.000018 | 0.0000649 | 0.0000323 | 0.024 | 0.00000277 | 0.000061 | 0.000158 | 0.000832 | 0.0000613 |
| 2060 Oct | 0.00000167 | 0.782 | 0.000737 | 0.984 | 0.0102 | 0.000289 | 0.557 | 0.00145 | 0.00151 | 0.0000273 | 0.0000677 | 0.0000339 | 0.025 | 0.00000278 | 0.0000644 | 0.00016 | 0.000846 | 0.0000651 |
| 2060 Nov | 0.00000168 | 0.793 | 0.000747 | 0.996 | 0.0104 | 0.000295 | 0.563 | 0.00147 | 0.00153 | 0.0000332 | 0.0000689 | 0.0000343 | 0.0254 | 0.00000279 | 0.0000655 | 0.000161 | 0.000858 | 0.0000663 |
| 2060 Dec | 0.00000168 | 0.794 | 0.000748 | 0.998 | 0.0104 | 0.000295 | 0.564 | 0.00148 | 0.00154 | 0.0000336 | 0.000069 | 0.0000344 | 0.0254 | 0.00000279 | 0.0000657 | 0.000161 | 0.000859 | 0.0000665 |
| 2061 Jan | 0.00000169 | 0.794 | 0.000748 | 0.998 | 0.0104 | 0.000296 | 0.564 | 0.00148 | 0.00154 | 0.0000337 | 0.000069 | 0.0000344 | 0.0254 | 0.00000279 | 0.0000657 | 0.000161 | 0.000859 | 0.0000666 |
| 2061 Feb | 0.00000169 | 0.794 | 0.000749 | 0.998 | 0.0104 | 0.000296 | 0.564 | 0.00148 | 0.00154 | 0.0000337 | 0.0000691 | 0.0000344 | 0.0254 | 0.00000279 | 0.0000657 | 0.000161 | 0.000859 | 0.0000666 |
| 2061 Mar | 0.00000169 | 0.794 | 0.000749 | 0.998 | 0.0104 | 0.000296 | 0.564 | 0.00148 | 0.00154 | 0.0000337 | 0.0000691 | 0.0000344 | 0.0254 | 0.00000279 | 0.0000657 | 0.000161 | 0.000859 | 0.0000666 |
| 2061 Apr | 0.00000169 | 0.796 | 0.00075 | 0.999 | 0.0104 | 0.000296 | 0.565 | 0.00148 | 0.00154 | 0.0000338 | 0.0000692 | 0.0000344 | 0.0255 | 0.00000279 | 0.0000658 | 0.000161 | 0.00086 | 0.0000667 |
| 2061 May | 0.00000168 | 0.786 | 0.000731 | 0.994 | 0.01 | 0.000284 | 0.565 | 0.00145 | 0.0015 | 0.000034 | 0.0000675 | 0.0000335 | 0.0248 | 0.0000028 | 0.0000635 | 0.000161 | 0.000862 | 0.0000639 |
| 2061 Jun | 0.00000166 | 0.827 | 0.000737 | 1.05 | 0.0101 | 0.000288 | 0.599 | 0.00151 | 0.00164 | 0.0000188 | 0.0000667 | 0.0000327 | 0.0258 | 0.00000274 | 0.0000644 | 0.000158 | 0.000823 | 0.0000642 |
| 2061 Jul | 0.0000017 | 0.859 | 0.000767 | 1.09 | 0.0107 | 0.0003 | 0.619 | 0.00158 | 0.00174 | 0.0000187 | 0.0000687 | 0.0000338 | 0.0269 | 0.00000282 | 0.0000665 | 0.000163 | 0.000847 | 0.0000675 |
| 2061 Aug | 0.00000173 | 0.858 | 0.000771 | 1.09 | 0.0107 | 0.000298 | 0.621 | 0.00158 | 0.00174 | 0.000019 | 0.0000691 | 0.000034 | 0.0269 | 0.00000288 | 0.0000663 | 0.000166 | 0.000866 | 0.0000671 |
| 2061 Sep | 0.0000017 | 0.818 | 0.000741 | 1.04 | 0.0101 | 0.000282 | 0.594 | 0.00149 | 0.00165 | 0.0000185 | 0.0000665 | 0.0000328 | 0.0257 | 0.00000285 | 0.0000631 | 0.000163 | 0.000855 | 0.0000633 |
| 2061 Oct | 0.00000164 | 0.764 | 0.000698 | 0.975 | 0.0094 | 0.000261 | 0.555 | 0.00137 | 0.0015 | 0.0000418 | 0.000064 | 0.0000313 | 0.024 | 0.00000277 | 0.0000589 | 0.000157 | 0.000864 | 0.0000579 |
| 2061 Nov | 0.00000164 | 0.767 | 0.000702 | 0.977 | 0.00947 | 0.000264 | 0.555 | 0.00137 | 0.00149 | 0.0000552 | 0.0000649 | 0.0000314 | 0.0241 | 0.00000277 | 0.0000594 | 0.000157 | 0.000883 | 0.0000581 |
| 2061 Dec | 0.00000164 | 0.768 | 0.000704 | 0.978 | 0.0095 | 0.000264 | 0.555 | 0.00138 | 0.0015 | 0.000056 | 0.0000651 | 0.0000315 | 0.0242 | 0.00000277 | 0.0000596 | 0.000157 | 0.000885 | 0.0000583 |
| 2062 Jan | 0.00000164 | 0.769 | 0.000704 | 0.978 | 0.0095 | 0.000265 | 0.556 | 0.00138 | 0.0015 | 0.0000561 | 0.0000651 | 0.0000315 | 0.0242 | 0.00000277 | 0.0000596 | 0.000157 | 0.000885 | 0.0000583 |
| 2062 Feb | 0.00000164 | 0.769 | 0.000704 | 0.979 | 0.0095 | 0.000265 | 0.556 | 0.00138 | 0.0015 | 0.0000562 | 0.0000651 | 0.0000315 | 0.0242 | 0.00000277 | 0.0000596 | 0.000157 | 0.000885 | 0.0000583 |
| 2062 Mar | 0.00000164 | 0.769 | 0.000704 | 0.979 | 0.00951 | 0.000265 | 0.556 | 0.00138 | 0.0015 | 0.0000562 | 0.0000652 | 0.0000315 | 0.0242 | 0.00000277 | 0.0000597 | 0.000158 | 0.000885 | 0.0000583 |
| 2062 Apr | 0.00000165 | 0.77 | 0.000705 | 0.98 | 0.00951 | 0.000265 | 0.556 | 0.00138 | 0.0015 | 0.0000562 | 0.0000652 | 0.0000316 | 0.0242 | 0.00000277 | 0.0000597 | 0.000158 | 0.000886 | 0.0000584 |
| 2062 May | 0.00000165 | 0.773 | 0.000707 | 0.983 | 0.00955 | 0.000266 | 0.558 | 0.00138 | 0.0015 | 0.0000564 | 0.0000655 | 0.0000317 | 0.0243 | 0.00000278 | 0.0000599 | 0.000158 | 0.00089 | 0.0000586 |
| 2062 Jun | 0.00000163 | 0.805 | 0.000704 | 1.03 | 0.00943 | 0.000264 | 0.587 | 0.00138 | 0.00161 | 0.0000333 | 0.0000637 | 0.0000311 | 0.025 | 0.00000273 | 0.0000595 | 0.000155 | 0.000842 | 0.0000569 |
| 2062 Jul | 0.00000172 | 0.879 | 0.000784 | 1.11 | 0.0109 | 0.000306 | 0.628 | 0.00157 | 0.00179 | 0.0000192 | 0.0000701 | 0.0000342 | 0.0276 | 0.00000282 | 0.0000692 | 0.000163 | 0.000848 | 0.0000654 |
| 2062 Aug | 0.00000175 | 0.866 | 0.00078 | 1.09 | 0.0108 | 0.000303 | 0.619 | 0.00155 | 0.00176 | 0.0000192 | 0.0000702 | 0.0000341 | 0.0272 | 0.00000287 | 0.0000691 | 0.000166 | 0.000863 | 0.0000642 |
| 2062 Sep | 0.00000169 | 0.778 | 0.000714 | 0.974 | 0.00968 | 0.000273 | 0.557 | 0.00136 | 0.00154 | 0.0000181 | 0.0000654 | 0.0000319 | 0.0244 | 0.00000279 | 0.0000636 | 0.00016 | 0.000837 | 0.0000564 |
| 2062 Oct | 0.00000166 | 0.757 | 0.0007 | 0.945 | 0.00945 | 0.000268 | 0.537 | 0.00131 | 0.00145 | 0.0000683 | 0.0000668 | 0.0000316 | 0.0238 | 0.00000273 | 0.0000631 | 0.000156 | 0.00089 | 0.0000544 |
| 2062 Nov | 0.00000168 | 0.781 | 0.000722 | 0.971 | 0.00986 | 0.000279 | 0.55 | 0.00137 | 0.00149 | 0.0000842 | 0.0000693 | 0.0000323 | 0.0247 | 0.00000275 | 0.0000655 | 0.000158 | 0.000918 | 0.0000568 |
| 2062 Dec | 0.00000169 | 0.783 | 0.000724 | 0.973 | 0.00991 | 0.00028 | 0.551 | 0.00137 | 0.0015 | 0.0000845 | 0.0000696 | 0.0000324 | 0.0248 | 0.00000275 | 0.0000658 | 0.000159 | 0.000919 | 0.0000571 |
| 2063 Jan | 0.00000169 | 0.784 | 0.000725 | 0.974 | 0.00992 | 0.00028 | 0.551 | 0.00138 | 0.0015 | 0.0000845 | 0.0000696 | 0.0000325 | 0.0248 | 0.00000275 | 0.0000658 | 0.000159 | 0.000919 | 0.0000572 |
| 2063 Feb | 0.00000169 | 0.784 | 0.000725 | 0.974 | 0.00992 | 0.00028 | 0.551 | 0.00138 | 0.0015 | 0.0000845 | 0.0000696 | 0.0000325 | 0.0248 | 0.00000275 | 0.0000659 | 0.000159 | 0.000919 | 0.0000572 |
| 2063 Mar | 0.00000169 | 0.784 | 0.000725 | 0.974 | 0.00993 | 0.00028 | 0.551 | 0.00138 | 0.0015 | 0.0000845 | 0.0000696 | 0.0000325 | 0.0248 | 0.00000275 | 0.0000659 | 0.000159 | 0.000919 | 0.0000572 |
| 2063 Apr | 0.00000169 | 0.784 | 0.000725 | 0.974 | 0.00993 | 0.00028 | 0.552 | 0.00138 | 0.0015 | 0.0000846 | 0.0000696 | 0.0000325 | 0.0248 | 0.00000275 | 0.0000659 | 0.000159 | 0.00092 | 0.0000572 |
| 2063 May | 0.00000169 | 0.787 | 0.000727 | 0.98 | 0.00992 | 0.00028 | 0.556 | 0.00138 | 0.0015 | 0.0000827 | 0.0000696 | 0.0000325 | 0.0248 | 0.00000277 | 0.0000658 | 0.000159 | 0.000922 | 0.0000572 |
| 2063 Jun | 0.00000163 | 0.808 | 0.000705 | 1.02 | 0.00943 | 0.000264 | 0.587 | 0.00135 | 0.00162 | 0.0000212 | 0.0000635 | 0.0000307 | 0.0249 | 0.0000027 | 0.0000618 | 0.000154 | 0.000816 | 0.000053 |
| 2063 Jul | 0.00000171 | 0.871 | 0.000774 | 1.09 | 0.0107 | 0.000294 | 0.624 | 0.0015 | 0.00179 | 0.0000192 | 0.0000683 | 0.0000332 | 0.0273 | 0.0000028 | 0.0000678 | 0.000161 | 0.000843 | 0.00006 |
| 2063 Aug | 0.00000177 | 0.897 | 0.000799 | 1.12 | 0.011 | 0.000302 | 0.644 | 0.00154 | 0.00184 | 0.0000198 | 0.0000705 | 0.0000343 | 0.0281 | 0.00000291 | 0.0000697 | 0.000167 | 0.000876 | 0.0000616 |
| 2063 Sep | 0.00000179 | 0.901 | 0.000803 | 1.13 | 0.011 | 0.000303 | 0.648 | 0.00155 | 0.00184 | 0.00002 | 0.0000709 | 0.0000345 | 0.0282 | 0.00000296 | 0.0000698 | 0.00017 | 0.000889 | 0.0000616 |
| 2063 Oct | 0.00000176 | 0.875 | 0.00078 | 1.1 | 0.0106 | 0.000291 | 0.631 | 0.00149 | 0.00178 | 0.000026 | 0.0000692 | 0.0000336 | 0.0274 | 0.00000292 | 0.0000673 | 0.000167 | 0.000888 | 0.0000593 |
| 2063 Nov | 0.00000176 | 0.871 | 0.000777 | 1.1 | 0.0105 | 0.000289 | 0.629 | 0.00149 | 0.00177 | 0.0000276 | 0.000069 | 0.0000334 | 0.0273 | 0.00000292 | 0.0000669 | 0.000167 | 0.00089 | 0.0000589 |
| 2063 Dec | 0.00000176 | 0.871 | 0.000777 | 1.1 | 0.0105 | 0.000289 | 0.629 | 0.00149 | 0.00177 | 0.0000277 | 0.0000689 | 0.0000334 | 0.0272 | 0.00000292 | 0.0000669 | 0.000167 | 0.00089 | 0.0000588 |
| 2064 Jan | 0.00000176 | 0.871 | 0.000777 | 1.1 | 0.0105 | 0.000289 | 0.628 | 0.00149 | 0.00177 | 0.0000277 | 0.0000689 | 0.0000334 | 0.0272 | 0.00000292 | 0.0000668 | 0.000167 | 0.00089 | 0.0000588 |
| 2064 Feb | 0.00000176 | 0.87 | 0.000777 | 1.1 | 0.0105 | 0.000289 | 0.628 | 0.00148 | 0.00177 | 0.0000277 | 0.0000689 | 0.0000334 | 0.0272 | 0.00000292 | 0.0000668 | 0.000167 | 0.00089 | 0.0000588 |
| 2064 Mar | 0.00000176 | 0.871 | 0.000777 | 1.1 | 0.0105 | 0.000289 | 0.629 | 0.00149 | 0.00177 | 0.0000277 | 0.0000689 | 0.0000334 | 0.0272 | 0.00000292 | 0.0000669 | 0.000167 | 0.000891 | 0.0000588 |
| 2064 Apr | 0.00000176 | 0.871 | 0.000777 | 1.1 | 0.0105 | 0.000289 | 0.629 | 0.00149 | 0.00177 | 0.0000278 | 0.000069 | 0.0000334 | 0.0273 | 0.00000292 | 0.0000669 | 0.000167 | 0.000891 | 0.0000588 |
| 2064 May | 0.00000171 | 0.826 | 0.000735 | 1.05 | 0.00977 | 0.000268 | 0.603 | 0.00139 | 0.00164 | 0.0000269 | 0.0000654 | 0.0000317 | 0.0256 | 0.00000286 | 0.0000624 | 0.000162 | 0.000871 | 0.0000539 |
| 2064 Jun | 0.0000017 | 0.829 | 0.000753 | 1.04 | 0.0102 | 0.000279 | 0.6 | 0.0014 | 0.00159 | 0.00002 | 0.0000666 | 0.0000324 | 0.0258 | 0.0000028 | 0.0000654 | 0.00016 | 0.000846 | 0.000054 |
| 2064 Jul | 0.00000177 | 0.862 | 0.000779 | 1.08 | 0.0105 | 0.000289 | 0.624 | 0.00145 | 0.00167 | 0.0000203 | 0.0000691 | 0.0000335 | 0.0268 | 0.00000291 | 0.0000679 | 0.000167 | 0.000878 | 0.0000557 |
| 2064 Aug | 0.00000177 | 0.848 | 0.000764 | 1.06 | 0.0102 | 0.00028 | 0.615 | 0.00142 | 0.00165 | 0.0000199 | 0.0000682 | 0.000033 | 0.0263 | 0.00000294 | 0.0000664 | 0.000167 | 0.000885 | 0.0000536 |
| 2064 Sep | 0.0000017 | 0.778 | 0.000703 | 0.979 | 0.00923 | 0.000253 | 0.567 | 0.00126 | 0.00151 | 0.0000186 | 0.0000636 | 0.0000309 | 0.024 | 0.00000285 | 0.000061 | 0.000161 | 0.000857 | 0.0000474 |
| 2064 Oct | 0.0000017 | 0.764 | 0.000695 | 0.959 | 0.00909 | 0.00025 | 0.555 | 0.00123 | 0.00148 | 0.0000184 | 0.0000633 | 0.0000309 | 0.0236 | 0.00000283 | 0.0000607 | 0.00016 | 0.000853 | 0.0000463 |
| 2064 Nov | 0.0000017 | 0.767 | 0.000698 | 0.962 | 0.00914 | 0.000251 | 0.557 | 0.00123 | 0.00148 | 0.0000186 | 0.0000635 | 0.000031 | 0.0237 | 0.00000284 | 0.000061 | 0.000161 | 0.000856 | 0.0000465 |
| 2064 Dec | 0.00000171 | 0.767 | 0.000698 | 0.962 | 0.00914 | 0.000251 | 0.557 | 0.00123 | 0.00148 | 0.0000186 | 0.0000636 | 0.000031 | 0.0237 | 0.00000284 | 0.000061 | 0.000161 | 0.000856 | 0.0000465 |
| 2065 Jan | 0.00000171 | 0.767 | 0.000698 | 0.962 | 0.00914 | 0.000251 | 0.557 | 0.00123 | 0.00148 | 0.0000186 | 0.0000636 | 0.000031 | 0.0237 | 0.00000284 | 0.0000611 | 0.000161 | 0.000856 | 0.0000465 |
| 2065 Feb | 0.00000171 | 0.767 | 0.000699 | 0.962 | 0.00914 | 0.000252 | 0.557 | 0.00123 | 0.00148 | 0.0000186 | 0.0000636 | 0.000031 | 0.0237 | 0.00000284 | 0.0000611 | 0.000161 | 0.000856 | 0.0000465 |
| 2065 Mar | 0.00000171 | 0.768 | 0.000699 | 0.963 | 0.00915 | 0.000252 | 0.557 | 0.00123 | 0.00148 | 0.0000186 | 0.0000636 | 0.0000311 | 0.0238 | 0.00000284 | 0.0000611 | 0.000161 | 0.000856 | 0.0000465 |
| 2065 Apr | 0.00000171 | 0.769 | 0.0007 | 0.964 | 0.00916 | 0.000252 | 0.558 | 0.00123 | 0.00148 | 0.0000186 | 0.0000637 | 0.0000311 | 0.0238 | 0.00000285 | 0.0000612 | 0.000161 | 0.000857 | 0.0000466 |
| 2065 May | 0.00000171 | 0.765 | 0.000695 | 0.961 | 0.00902 | 0.000249 | 0.558 | 0.00122 | 0.00146 | 0.0000187 | 0.0000635 | 0.000031 | 0.0236 | 0.00000285 | 0.0000608 | 0.000161 | 0.000859 | 0.0000456 |
| 2065 Jun | 0.00000169 | 0.826 | 0.000718 | 1.03 | 0.0095 | 0.000264 | 0.599 | 0.00129 | 0.00163 | 0.0000181 | 0.000065 | 0.0000312 | 0.0253 | 0.00000277 | 0.000064 | 0.000158 | 0.000833 | 0.0000471 |
| 2065 Jul | 0.00000179 | 0.901 | 0.000792 | 1.12 | 0.0107 | 0.000295 | 0.645 | 0.00144 | 0.00181 | 0.0000193 | 0.0000707 | 0.000034 | 0.028 | 0.00000291 | 0.0000709 | 0.000167 | 0.000876 | 0.0000534 |
| 2065 Aug | 0.00000183 | 0.915 | 0.000805 | 1.14 | 0.0109 | 0.000298 | 0.656 | 0.00146 | 0.00183 | 0.0000198 | 0.0000719 | 0.0000346 | 0.0284 | 0.00000299 | 0.0000716 | 0.000171 | 0.0009 | 0.000054 |
| 2065 Sep | 0.00000178 | 0.863 | 0.000764 | 1.08 | 0.0102 | 0.000278 | 0.623 | 0.00136 | 0.00172 | 0.0000191 | 0.0000682 | 0.000033 | 0.0268 | 0.00000293 | 0.0000669 | 0.000167 | 0.000883 | 0.0000502 |
| 2065 Oct | 0.00000166 | 0.77 | 0.000692 | 0.966 | 0.00903 | 0.000244 | 0.558 | 0.00119 | 0.00148 | 0.0000565 | 0.0000635 | 0.0000304 | 0.024 | 0.00000278 | 0.0000592 | 0.000156 | 0.00089 | 0.0000437 |
| 2065 Nov | 0.00000167 | 0.781 | 0.000705 | 0.974 | 0.00928 | 0.000251 | 0.561 | 0.00122 | 0.00149 | 0.000077 | 0.0000655 | 0.0000308 | 0.0244 | 0.00000278 | 0.0000606 | 0.000157 | 0.000919 | 0.0000448 |

**Appendix D18. Lake A76**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 0.00000167 | 0.784 | 0.000709 | 0.977 | 0.00935 | 0.000253 | 0.562 | 0.00122 | 0.00149 | 0.0000779 | 0.0000658 | 0.000031 | 0.0245 | 0.00000278 | 0.000061 | 0.000157 | 0.000921 | 0.0000451 |
| 2066 Jan | 0.00000167 | 0.785 | 0.00071 | 0.978 | 0.00937 | 0.000253 | 0.563 | 0.00123 | 0.0015 | 0.0000781 | 0.0000659 | 0.000031 | 0.0246 | 0.00000278 | 0.0000612 | 0.000157 | 0.000921 | 0.0000452 |
| 2066 Feb | 0.00000167 | 0.785 | 0.00071 | 0.979 | 0.00938 | 0.000253 | 0.563 | 0.00123 | 0.0015 | 0.0000783 | 0.000066 | 0.000031 | 0.0246 | 0.00000278 | 0.0000612 | 0.000157 | 0.000922 | 0.0000453 |
| 2066 Mar | 0.00000167 | 0.786 | 0.000711 | 0.979 | 0.00939 | 0.000254 | 0.564 | 0.00123 | 0.0015 | 0.0000784 | 0.000066 | 0.0000311 | 0.0246 | 0.00000279 | 0.0000613 | 0.000157 | 0.000922 | 0.0000453 |
| 2066 Apr | 0.00000167 | 0.787 | 0.000712 | 0.98 | 0.0094 | 0.000254 | 0.564 | 0.00123 | 0.0015 | 0.0000784 | 0.0000661 | 0.0000311 | 0.0246 | 0.00000279 | 0.0000614 | 0.000158 | 0.000923 | 0.0000453 |
| 2066 May | 0.00000167 | 0.783 | 0.000707 | 0.979 | 0.00927 | 0.000251 | 0.564 | 0.00122 | 0.00148 | 0.0000757 | 0.0000656 | 0.0000309 | 0.0244 | 0.00000279 | 0.0000607 | 0.000158 | 0.000921 | 0.0000447 |
| 2066 Jun | 0.0000017 | 0.827 | 0.000738 | 1.03 | 0.00984 | 0.000269 | 0.597 | 0.00131 | 0.00159 | 0.0000227 | 0.0000661 | 0.0000316 | 0.0255 | 0.00000279 | 0.0000656 | 0.000159 | 0.000846 | 0.0000467 |
| 2066 Jul | 0.00000184 | 0.903 | 0.000804 | 1.12 | 0.0108 | 0.000295 | 0.648 | 0.00143 | 0.00177 | 0.0000222 | 0.0000717 | 0.0000343 | 0.028 | 0.00000299 | 0.0000718 | 0.000171 | 0.000904 | 0.0000514 |
| 2066 Aug | 0.00000184 | 0.892 | 0.000793 | 1.11 | 0.0106 | 0.000288 | 0.643 | 0.0014 | 0.00175 | 0.0000217 | 0.0000708 | 0.0000339 | 0.0276 | 0.00000302 | 0.0000702 | 0.000172 | 0.000912 | 0.00005 |
| 2066 Sep | 0.00000178 | 0.837 | 0.000744 | 1.04 | 0.00972 | 0.000264 | 0.608 | 0.00129 | 0.00164 | 0.0000204 | 0.0000666 | 0.0000321 | 0.0258 | 0.00000296 | 0.0000648 | 0.000167 | 0.000892 | 0.0000456 |
| 2066 Oct | 0.00000168 | 0.759 | 0.000682 | 0.951 | 0.0087 | 0.000235 | 0.554 | 0.00113 | 0.00146 | 0.0000345 | 0.0000619 | 0.00003 | 0.0234 | 0.00000283 | 0.0000582 | 0.000158 | 0.000874 | 0.00004 |
| 2066 Nov | 0.00000168 | 0.764 | 0.000688 | 0.954 | 0.00887 | 0.000239 | 0.553 | 0.00115 | 0.00145 | 0.000057 | 0.0000635 | 0.0000303 | 0.0237 | 0.00000281 | 0.0000592 | 0.000158 | 0.000901 | 0.0000405 |
| 2066 Dec | 0.00000168 | 0.767 | 0.000692 | 0.957 | 0.00893 | 0.000241 | 0.555 | 0.00115 | 0.00146 | 0.0000583 | 0.0000639 | 0.0000304 | 0.0238 | 0.00000281 | 0.0000597 | 0.000158 | 0.000903 | 0.0000408 |
| 2067 Jan | 0.00000168 | 0.768 | 0.000693 | 0.957 | 0.00895 | 0.000242 | 0.555 | 0.00115 | 0.00146 | 0.0000586 | 0.000064 | 0.0000304 | 0.0238 | 0.00000281 | 0.0000598 | 0.000158 | 0.000904 | 0.0000408 |
| 2067 Feb | 0.00000168 | 0.769 | 0.000693 | 0.958 | 0.00896 | 0.000242 | 0.555 | 0.00115 | 0.00146 | 0.0000587 | 0.000064 | 0.0000304 | 0.0239 | 0.00000281 | 0.0000598 | 0.000158 | 0.000904 | 0.0000409 |
| 2067 Mar | 0.00000169 | 0.769 | 0.000694 | 0.959 | 0.00897 | 0.000242 | 0.556 | 0.00116 | 0.00146 | 0.0000588 | 0.0000641 | 0.0000305 | 0.0239 | 0.00000282 | 0.0000599 | 0.000158 | 0.000905 | 0.0000409 |
| 2067 Apr | 0.00000169 | 0.77 | 0.000695 | 0.96 | 0.00898 | 0.000242 | 0.556 | 0.00116 | 0.00146 | 0.000059 | 0.0000642 | 0.0000305 | 0.0239 | 0.00000282 | 0.00006 | 0.000158 | 0.000906 | 0.000041 |
| 2067 May | 0.00000169 | 0.773 | 0.000694 | 0.965 | 0.0089 | 0.000241 | 0.562 | 0.00116 | 0.00145 | 0.0000576 | 0.0000641 | 0.0000304 | 0.0238 | 0.00000283 | 0.0000598 | 0.000159 | 0.000908 | 0.0000404 |
| 2067 Jun | 0.0000017 | 0.811 | 0.00072 | 1.01 | 0.00944 | 0.000257 | 0.589 | 0.00124 | 0.00153 | 0.0000226 | 0.0000647 | 0.0000309 | 0.0249 | 0.00000279 | 0.0000639 | 0.000158 | 0.000846 | 0.0000421 |
| 2067 Jul | 0.00000179 | 0.87 | 0.000775 | 1.07 | 0.0103 | 0.000279 | 0.627 | 0.00134 | 0.00168 | 0.0000219 | 0.0000691 | 0.0000331 | 0.0269 | 0.00000293 | 0.0000689 | 0.000167 | 0.000887 | 0.000046 |
| 2067 Aug | 0.00000171 | 0.788 | 0.000712 | 0.985 | 0.00934 | 0.000246 | 0.574 | 0.00121 | 0.00153 | 0.0000194 | 0.0000633 | 0.0000304 | 0.0243 | 0.00000287 | 0.0000612 | 0.000161 | 0.000864 | 0.0000405 |
| 2067 Sep | 0.00000172 | 0.787 | 0.000718 | 0.98 | 0.00944 | 0.000248 | 0.571 | 0.00121 | 0.00153 | 0.0000193 | 0.0000636 | 0.0000307 | 0.0244 | 0.00000288 | 0.0000616 | 0.000162 | 0.000868 | 0.0000407 |
| 2067 Oct | 0.0000017 | 0.776 | 0.000712 | 0.962 | 0.00937 | 0.000246 | 0.56 | 0.00119 | 0.0015 | 0.0000295 | 0.0000635 | 0.0000305 | 0.0242 | 0.00000284 | 0.0000611 | 0.000159 | 0.00087 | 0.0000403 |
| 2067 Nov | 0.0000017 | 0.779 | 0.000716 | 0.965 | 0.00945 | 0.000248 | 0.561 | 0.00119 | 0.0015 | 0.0000348 | 0.000064 | 0.0000307 | 0.0243 | 0.00000284 | 0.0000616 | 0.00016 | 0.000878 | 0.0000406 |
| 2067 Dec | 0.0000017 | 0.78 | 0.000717 | 0.966 | 0.00947 | 0.000249 | 0.562 | 0.00119 | 0.0015 | 0.0000352 | 0.0000641 | 0.0000307 | 0.0244 | 0.00000284 | 0.0000617 | 0.00016 | 0.000879 | 0.0000407 |
| 2068 Jan | 0.0000017 | 0.781 | 0.000717 | 0.966 | 0.00947 | 0.000249 | 0.562 | 0.0012 | 0.0015 | 0.0000354 | 0.0000642 | 0.0000307 | 0.0244 | 0.00000284 | 0.0000617 | 0.00016 | 0.000879 | 0.0000407 |
| 2068 Feb | 0.0000017 | 0.781 | 0.000718 | 0.966 | 0.00948 | 0.000249 | 0.562 | 0.0012 | 0.0015 | 0.0000355 | 0.0000642 | 0.0000307 | 0.0244 | 0.00000284 | 0.0000618 | 0.00016 | 0.000879 | 0.0000408 |
| 2068 Mar | 0.0000017 | 0.781 | 0.000718 | 0.967 | 0.00949 | 0.00025 | 0.562 | 0.0012 | 0.0015 | 0.0000355 | 0.0000643 | 0.0000308 | 0.0244 | 0.00000284 | 0.0000618 | 0.00016 | 0.00088 | 0.0000408 |
| 2068 Apr | 0.00000171 | 0.783 | 0.00072 | 0.969 | 0.00951 | 0.00025 | 0.564 | 0.0012 | 0.00151 | 0.0000356 | 0.0000644 | 0.0000308 | 0.0245 | 0.00000285 | 0.000062 | 0.00016 | 0.000882 | 0.0000409 |
| 2068 May | 0.00000169 | 0.772 | 0.000701 | 0.96 | 0.0091 | 0.000241 | 0.561 | 0.00117 | 0.00146 | 0.0000343 | 0.000063 | 0.0000301 | 0.0238 | 0.00000283 | 0.0000601 | 0.000159 | 0.000876 | 0.000039 |
| 2068 Jun | 0.00000169 | 0.83 | 0.000747 | 1.02 | 0.01 | 0.000267 | 0.597 | 0.00127 | 0.00161 | 0.0000192 | 0.0000652 | 0.0000313 | 0.0258 | 0.00000276 | 0.0000657 | 0.000157 | 0.000832 | 0.000043 |
| 2068 Jul | 0.00000177 | 0.884 | 0.000792 | 1.09 | 0.0106 | 0.000282 | 0.634 | 0.00135 | 0.00176 | 0.0000199 | 0.0000686 | 0.000033 | 0.0276 | 0.00000289 | 0.0000693 | 0.000165 | 0.000872 | 0.0000459 |
| 2068 Aug | 0.00000184 | 0.912 | 0.000816 | 1.12 | 0.0109 | 0.000289 | 0.656 | 0.00139 | 0.00181 | 0.0000206 | 0.0000707 | 0.000034 | 0.0285 | 0.00000301 | 0.0000711 | 0.000171 | 0.000909 | 0.000047 |
| 2068 Sep | 0.00000179 | 0.873 | 0.00078 | 1.08 | 0.0103 | 0.000272 | 0.632 | 0.00131 | 0.00173 | 0.00002 | 0.0000677 | 0.0000327 | 0.0272 | 0.00000297 | 0.000067 | 0.000168 | 0.000896 | 0.0000441 |
| 2068 Oct | 0.00000178 | 0.858 | 0.000766 | 1.06 | 0.01 | 0.000265 | 0.622 | 0.00128 | 0.0017 | 0.0000199 | 0.0000665 | 0.0000322 | 0.0266 | 0.00000296 | 0.0000654 | 0.000167 | 0.000893 | 0.000043 |
| 2068 Nov | 0.00000178 | 0.859 | 0.000768 | 1.07 | 0.0101 | 0.000265 | 0.623 | 0.00128 | 0.0017 | 0.00002 | 0.0000666 | 0.0000323 | 0.0267 | 0.00000297 | 0.0000655 | 0.000167 | 0.000895 | 0.000043 |
| 2068 Dec | 0.00000178 | 0.859 | 0.000768 | 1.07 | 0.0101 | 0.000265 | 0.623 | 0.00128 | 0.0017 | 0.00002 | 0.0000666 | 0.0000323 | 0.0267 | 0.00000297 | 0.0000655 | 0.000167 | 0.000895 | 0.000043 |
| 2069 Jan | 0.00000178 | 0.859 | 0.000767 | 1.06 | 0.0101 | 0.000265 | 0.623 | 0.00128 | 0.0017 | 0.00002 | 0.0000666 | 0.0000323 | 0.0267 | 0.00000297 | 0.0000655 | 0.000167 | 0.000895 | 0.000043 |
| 2069 Feb | 0.00000178 | 0.859 | 0.000767 | 1.06 | 0.01 | 0.000265 | 0.623 | 0.00128 | 0.0017 | 0.00002 | 0.0000666 | 0.0000322 | 0.0267 | 0.00000297 | 0.0000654 | 0.000167 | 0.000895 | 0.000043 |
| 2069 Mar | 0.00000178 | 0.858 | 0.000767 | 1.06 | 0.01 | 0.000265 | 0.623 | 0.00128 | 0.0017 | 0.0000199 | 0.0000666 | 0.0000322 | 0.0267 | 0.00000297 | 0.0000654 | 0.000167 | 0.000895 | 0.000043 |
| 2069 Apr | 0.00000178 | 0.859 | 0.000767 | 1.06 | 0.01 | 0.000265 | 0.623 | 0.00128 | 0.0017 | 0.00002 | 0.0000666 | 0.0000322 | 0.0267 | 0.00000297 | 0.0000654 | 0.000167 | 0.000895 | 0.000043 |
| 2069 May | 0.00000179 | 0.859 | 0.000767 | 1.07 | 0.01 | 0.000264 | 0.624 | 0.00128 | 0.0017 | 0.00002 | 0.0000666 | 0.0000323 | 0.0267 | 0.00000299 | 0.0000653 | 0.000168 | 0.000901 | 0.0000428 |
| 2069 Jun | 0.00000165 | 0.788 | 0.000667 | 0.998 | 0.00824 | 0.000219 | 0.588 | 0.00109 | 0.00154 | 0.0000182 | 0.0000588 | 0.0000285 | 0.0237 | 0.00000281 | 0.0000552 | 0.000156 | 0.000845 | 0.0000336 |
| 2069 Jul | 0.00000177 | 0.867 | 0.00074 | 1.09 | 0.00943 | 0.00025 | 0.637 | 0.00121 | 0.00171 | 0.0000194 | 0.000065 | 0.0000314 | 0.0264 | 0.00000296 | 0.0000628 | 0.000166 | 0.000892 | 0.0000382 |
| 2069 Aug | 0.00000178 | 0.855 | 0.000736 | 1.07 | 0.00934 | 0.000247 | 0.628 | 0.0012 | 0.00168 | 0.0000194 | 0.0000647 | 0.0000313 | 0.0261 | 0.00000299 | 0.0000621 | 0.000166 | 0.0009 | 0.0000375 |
| 2069 Sep | 0.00000169 | 0.779 | 0.000692 | 0.967 | 0.00876 | 0.00023 | 0.57 | 0.00109 | 0.00151 | 0.0000183 | 0.0000608 | 0.0000296 | 0.024 | 0.00000285 | 0.0000579 | 0.000159 | 0.00086 | 0.0000345 |
| 2069 Oct | 0.00000169 | 0.779 | 0.000704 | 0.96 | 0.00902 | 0.000236 | 0.565 | 0.00109 | 0.0015 | 0.0000188 | 0.0000616 | 0.0000302 | 0.0242 | 0.00000284 | 0.0000592 | 0.000158 | 0.000857 | 0.0000352 |
| 2069 Nov | 0.00000169 | 0.783 | 0.000709 | 0.964 | 0.00911 | 0.000238 | 0.567 | 0.0011 | 0.00151 | 0.0000194 | 0.0000621 | 0.0000304 | 0.0244 | 0.00000285 | 0.0000598 | 0.000159 | 0.00086 | 0.0000356 |
| 2069 Dec | 0.00000169 | 0.783 | 0.00071 | 0.964 | 0.00912 | 0.000238 | 0.567 | 0.0011 | 0.00151 | 0.0000195 | 0.0000621 | 0.0000304 | 0.0244 | 0.00000285 | 0.0000598 | 0.000159 | 0.00086 | 0.0000356 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 20.8 | 0.00615 | 0.0025 | 0.000407 | 1.58 | 0.0268 | 3.51 | 0.00000433 | 0.0015 | 0.00022 | 0.00489 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| Operation (Jan., 2024 to Jun., 2028): Average | 28 | 0.0251 | 0.106 | 0.000494 | 5.04 | 0.0299 | 5.41 | 0.00000487 | 0.00301 | 0.000743 | 0.00534 | 0.00848 | 0.000012 | 4.73 | 0.00000293 | 0.000158 | 0.0000798 | 0.000292 | 0.0131 |
| Operation (Jan., 2024 to Jun., 2028): Max | 44.8 | 0.0692 | 0.376 | 0.000598 | 9.64 | 0.0356 | 11.2 | 0.000005 | 0.00494 | 0.00223 | 0.00696 | 0.012 | 0.0000194 | 8.35 | 0.00000486 | 0.000661 | 0.000167 | 0.000441 | 0.0308 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 18.2 | 0.0025 | 0.0025 | 0.000388 | 1.58 | 0.022 | 2.55 | 0.00000386 | 0.0015 | 0.0002 | 0.00387 | 0.00556 | 0.00000776 | 2.85 | 0.00000216 | 0.0000416 | 0.0000483 | 0.000224 | 0.005 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 22.2 | 0.00806 | 0.0152 | 0.000472 | 3.83 | 0.0277 | 3.37 | 0.00000474 | 0.0029 | 0.000269 | 0.00476 | 0.00707 | 0.00000958 | 3.47 | 0.00000268 | 0.0000505 | 0.0000591 | 0.000253 | 0.0077 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 32.3 | 0.0304 | 0.133 | 0.0005 | 6.56 | 0.0351 | 6.89 | 0.000005 | 0.0061 | 0.00116 | 0.00504 | 0.00991 | 0.0000113 | 5.67 | 0.0000068 | 0.000102 | 0.000107 | 0.000394 | 0.0176 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 18.3 | 0.00175 | 0.0025 | 0.000311 | 1.58 | 0.0228 | 2.57 | 0.00000319 | 0.0015 | 0.00022 | 0.00318 | 0.0057 | 0.00000651 | 2.96 | 0.00000204 | 0.0000423 | 0.00005 | 0.00025 | 0.005 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 23.8 | 0.00627 | 0.0205 | 0.000443 | 4.18 | 0.0272 | 3.67 | 0.00000437 | 0.00334 | 0.00104 | 0.00436 | 0.00725 | 0.00000879 | 3.67 | 0.00000253 | 0.0000485 | 0.0000619 | 0.000268 | 0.00945 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 35.7 | 0.0133 | 0.0911 | 0.0005 | 7.21 | 0.0341 | 5.05 | 0.000005 | 0.0056 | 0.00341 | 0.005 | 0.00994 | 0.00001 | 5.06 | 0.00000535 | 0.000051 | 0.0000949 | 0.000368 | 0.0146 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 23.6 | 0.0145 | 0.0533 | 0.000509 | 3.99 | 0.0272 | 3.78 | 0.00000494 | 0.00254 | 0.000318 | 0.00527 | 0.00753 | 0.0000118 | 3.81 | 0.00000256 | 0.0000994 | 0.0000679 | 0.000261 | 0.00733 |
| 2024 Feb | 23.4 | 0.0142 | 0.0499 | 0.000509 | 3.94 | 0.0272 | 3.74 | 0.00000495 | 0.00253 | 0.000311 | 0.00526 | 0.00749 | 0.0000116 | 3.77 | 0.00000256 | 0.000096 | 0.0000667 | 0.00026 | 0.00717 |
| 2024 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2024 Apr | 20.9 | 0.00629 | 0.00411 | 0.0005 | 1.62 | 0.0335 | 3.75 | 0.000005 | 0.00151 | 0.000238 | 0.00501 | 0.0067 | 0.0000101 | 3 | 0.0000025 | 0.0000516 | 0.0000506 | 0.00025 | 0.00508 |
| 2024 May | 24.8 | 0.0104 | 0.0279 | 0.000501 | 4.03 | 0.0298 | 3.92 | 0.00000494 | 0.00235 | 0.000271 | 0.00512 | 0.00816 | 0.0000108 | 3.78 | 0.00000252 | 0.0000842 | 0.0000585 | 0.000254 | 0.00625 |
| 2024 Jun | 34.1 | 0.022 | 0.152 | 0.000596 | 7.47 | 0.0334 | 5.75 | 0.00000471 | 0.00207 | 0.000572 | 0.00573 | 0.0105 | 0.000014 | 5.69 | 0.00000261 | 0.0003 | 0.000115 | 0.00027 | 0.0131 |
| 2024 Jul | 27.2 | 0.0173 | 0.142 | 0.000598 | 5.91 | 0.0271 | 4.72 | 0.00000489 | 0.00438 | 0.000538 | 0.00583 | 0.00832 | 0.0000139 | 4.72 | 0.00000269 | 0.000296 | 0.000122 | 0.000278 | 0.0193 |
| 2024 Aug | 27.7 | 0.0178 | 0.141 | 0.000577 | 6.09 | 0.0273 | 4.81 | 0.00000495 | 0.00432 | 0.000564 | 0.00587 | 0.00803 | 0.0000139 | 4.8 | 0.00000273 | 0.000293 | 0.0000936 | 0.000282 | 0.0189 |
| 2024 Sep | 34 | 0.0356 | 0.246 | 0.000517 | 7.41 | 0.0283 | 6.75 | 0.00000475 | 0.00364 | 0.000929 | 0.0063 | 0.00929 | 0.0000163 | 6.03 | 0.0000029 | 0.00046 | 0.000121 | 0.000304 | 0.023 |
| 2024 Oct | 42.8 | 0.05 | 0.376 | 0.000484 | 9.64 | 0.0318 | 9.06 | 0.00000465 | 0.00417 | 0.00141 | 0.00696 | 0.0114 | 0.0000194 | 7.73 | 0.00000399 | 0.000661 | 0.000167 | 0.000364 | 0.0286 |
| 2024 Nov | 28.8 | 0.0282 | 0.171 | 0.000488 | 5.6 | 0.0268 | 5.59 | 0.00000487 | 0.00349 | 0.000773 | 0.00589 | 0.00804 | 0.0000142 | 4.98 | 0.00000286 | 0.000319 | 0.0000974 | 0.000293 | 0.0154 |
| 2024 Dec | 25.7 | 0.0206 | 0.0891 | 0.000495 | 4.53 | 0.0277 | 4.52 | 0.00000494 | 0.00266 | 0.000511 | 0.00546 | 0.00793 | 0.0000121 | 4.27 | 0.0000027 | 0.000184 | 0.0000739 | 0.000273 | 0.0102 |
| 2025 Jan | 25.8 | 0.0209 | 0.0914 | 0.000495 | 4.57 | 0.0278 | 4.57 | 0.00000495 | 0.00267 | 0.000522 | 0.00547 | 0.00796 | 0.0000122 | 4.3 | 0.00000271 | 0.000187 | 0.0000744 | 0.000274 | 0.0104 |
| 2025 Feb | 25.3 | 0.0199 | 0.0822 | 0.000497 | 4.42 | 0.0277 | 4.42 | 0.00000496 | 0.00265 | 0.000492 | 0.00542 | 0.00785 | 0.000012 | 4.19 | 0.00000269 | 0.000172 | 0.0000718 | 0.000272 | 0.00981 |
| 2025 Mar | 27.2 | 0.0218 | 0.0806 | 0.000497 | 4.73 | 0.03 | 4.71 | 0.00000496 | 0.00187 | 0.000496 | 0.00541 | 0.00896 | 0.0000119 | 4.51 | 0.00000268 | 0.000167 | 0.0000709 | 0.000271 | 0.00962 |
| 2025 Apr | 24.8 | 0.0149 | 0.071 | 0.000498 | 2.9 | 0.0335 | 4.8 | 0.00000497 | 0.00184 | 0.000479 | 0.00537 | 0.00755 | 0.0000117 | 3.84 | 0.00000267 | 0.000156 | 0.000069 | 0.000269 | 0.00921 |
| 2025 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2025 Jun | 32.3 | 0.0209 | 0.0853 | 0.000493 | 6.89 | 0.0352 | 5.41 | 0.00000481 | 0.00185 | 0.000613 | 0.00524 | 0.0104 | 0.0000116 | 5.33 | 0.00000267 | 0.000158 | 0.0000941 | 0.000269 | 0.00989 |
| 2025 Jul | 28 | 0.0243 | 0.142 | 0.00048 | 5.89 | 0.0282 | 5.48 | 0.00000487 | 0.00447 | 0.000844 | 0.00557 | 0.0086 | 0.0000131 | 4.98 | 0.00000291 | 0.000224 | 0.000113 | 0.000298 | 0.0201 |
| 2025 Aug | 27.1 | 0.021 | 0.119 | 0.000488 | 5.73 | 0.0279 | 5.1 | 0.00000497 | 0.00448 | 0.000761 | 0.00555 | 0.00797 | 0.0000127 | 4.76 | 0.00000289 | 0.000193 | 0.0000808 | 0.000295 | 0.0188 |
| 2025 Sep | 31.3 | 0.0377 | 0.19 | 0.000447 | 6.38 | 0.0284 | 6.81 | 0.00000473 | 0.00386 | 0.00115 | 0.0056 | 0.00871 | 0.0000137 | 5.63 | 0.00000307 | 0.000258 | 0.000094 | 0.000317 | 0.0214 |
| 2025 Oct | 39.8 | 0.0548 | 0.3 | 0.000407 | 8.29 | 0.033 | 9.5 | 0.00000457 | 0.0048 | 0.00183 | 0.00587 | 0.0107 | 0.0000155 | 7.33 | 0.00000483 | 0.000353 | 0.000132 | 0.000404 | 0.0261 |
| 2025 Nov | 31.4 | 0.0409 | 0.2 | 0.000459 | 5.91 | 0.0282 | 7.14 | 0.00000477 | 0.00382 | 0.0013 | 0.00561 | 0.00865 | 0.0000137 | 5.65 | 0.00000331 | 0.000245 | 0.0000943 | 0.000331 | 0.0182 |
| 2025 Dec | 25.5 | 0.0233 | 0.0812 | 0.000492 | 4.33 | 0.028 | 4.8 | 0.00000492 | 0.00277 | 0.000648 | 0.00525 | 0.00789 | 0.0000115 | 4.29 | 0.00000283 | 0.000125 | 0.0000674 | 0.000283 | 0.0102 |
| 2026 Jan | 25.6 | 0.0237 | 0.0833 | 0.000495 | 4.36 | 0.0281 | 4.85 | 0.00000492 | 0.00278 | 0.000662 | 0.00526 | 0.00792 | 0.0000115 | 4.32 | 0.00000284 | 0.000127 | 0.0000678 | 0.000284 | 0.0103 |
| 2026 Feb | 25.9 | 0.0244 | 0.0873 | 0.000497 | 4.42 | 0.0282 | 4.95 | 0.00000492 | 0.0028 | 0.000686 | 0.00527 | 0.00798 | 0.0000116 | 4.38 | 0.00000286 | 0.000131 | 0.0000687 | 0.000286 | 0.0106 |
| 2026 Mar | 26.1 | 0.0216 | 0.0578 | 0.0005 | 4.33 | 0.0301 | 4.61 | 0.00000496 | 0.00185 | 0.000524 | 0.00517 | 0.00877 | 0.000011 | 4.32 | 0.00000273 | 0.0001 | 0.0000617 | 0.000273 | 0.0085 |
| 2026 Apr | 22.4 | 0.0107 | 0.0285 | 0.000501 | 2.07 | 0.0336 | 4.27 | 0.00000498 | 0.00168 | 0.000381 | 0.00509 | 0.00703 | 0.0000105 | 3.35 | 0.00000262 | 0.000075 | 0.0000558 | 0.000261 | 0.00674 |
| 2026 May | 24 | 0.0095 | 0.00829 | 0.000501 | 3.74 | 0.0301 | 3.75 | 0.000005 | 0.00233 | 0.000253 | 0.00502 | 0.00802 | 0.0000101 | 3.62 | 0.00000253 | 0.0000555 | 0.0000513 | 0.000253 | 0.00539 |
| 2026 Jun | 33.9 | 0.0308 | 0.123 | 0.00053 | 7.01 | 0.0346 | 6.49 | 0.00000466 | 0.00221 | 0.000956 | 0.00513 | 0.0106 | 0.0000117 | 5.77 | 0.0000029 | 0.000151 | 0.0000947 | 0.000293 | 0.0131 |
| 2026 Jul | 28.1 | 0.0282 | 0.133 | 0.000502 | 5.68 | 0.0283 | 5.81 | 0.00000481 | 0.00461 | 0.000979 | 0.00533 | 0.00855 | 0.0000123 | 5.03 | 0.00000302 | 0.000159 | 0.000107 | 0.000309 | 0.0205 |
| 2026 Aug | 29 | 0.0296 | 0.139 | 0.000487 | 5.95 | 0.0286 | 6.03 | 0.00000486 | 0.00455 | 0.00103 | 0.00539 | 0.00837 | 0.0000125 | 5.2 | 0.00000308 | 0.000162 | 0.000082 | 0.000315 | 0.0206 |
| 2026 Sep | 34.9 | 0.0481 | 0.213 | 0.000464 | 6.92 | 0.0306 | 8.09 | 0.00000479 | 0.00411 | 0.00147 | 0.0056 | 0.00961 | 0.0000139 | 6.36 | 0.0000034 | 0.00022 | 0.000099 | 0.000351 | 0.0242 |
| 2026 Oct | 44.8 | 0.0692 | 0.334 | 0.000433 | 9.1 | 0.0356 | 11.2 | 0.00000469 | 0.00494 | 0.00223 | 0.00596 | 0.012 | 0.0000161 | 8.35 | 0.00000486 | 0.000315 | 0.000139 | 0.000441 | 0.0308 |
| 2026 Nov | 26.2 | 0.0282 | 0.109 | 0.000477 | 4.58 | 0.027 | 5.39 | 0.0000049 | 0.00364 | 0.000849 | 0.00531 | 0.00751 | 0.000012 | 4.54 | 0.00000297 | 0.000134 | 0.0000745 | 0.000302 | 0.013 |
| 2026 Dec | 25.1 | 0.0222 | 0.0662 | 0.000486 | 4.18 | 0.0281 | 4.62 | 0.00000495 | 0.00273 | 0.000594 | 0.00518 | 0.00784 | 0.0000111 | 4.19 | 0.00000278 | 0.0000991 | 0.0000643 | 0.000281 | 0.00971 |
| 2027 Jan | 24.2 | 0.0198 | 0.0536 | 0.000489 | 3.97 | 0.0278 | 4.32 | 0.00000496 | 0.00267 | 0.000518 | 0.00515 | 0.00765 | 0.0000109 | 4 | 0.00000272 | 0.0000891 | 0.0000614 | 0.000274 | 0.00875 |
| 2027 Feb | 24.3 | 0.0201 | 0.055 | 0.000488 | 3.99 | 0.0279 | 4.35 | 0.00000496 | 0.00267 | 0.000526 | 0.00515 | 0.00767 | 0.0000109 | 4.02 | 0.00000273 | 0.0000902 | 0.0000617 | 0.000275 | 0.00886 |
| 2027 Mar | 24.1 | 0.0159 | 0.0206 | 0.000497 | 3.81 | 0.0297 | 3.85 | 0.00000499 | 0.00161 | 0.00032 | 0.00504 | 0.00841 | 0.0000103 | 3.87 | 0.00000257 | 0.0000617 | 0.0000534 | 0.000257 | 0.00612 |
| 2027 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2027 May | 24.7 | 0.0117 | 0.0191 | 0.000495 | 3.9 | 0.0302 | 4.02 | 0.00000498 | 0.00239 | 0.000324 | 0.00504 | 0.00816 | 0.0000103 | 3.77 | 0.00000257 | 0.0000625 | 0.0000537 | 0.000258 | 0.00624 |
| 2027 Jun | 33.9 | 0.0301 | 0.109 | 0.000458 | 6.96 | 0.0353 | 6.53 | 0.00000472 | 0.00221 | 0.000938 | 0.00507 | 0.0106 | 0.0000114 | 5.76 | 0.00000292 | 0.000113 | 0.0000917 | 0.000295 | 0.0124 |
| 2027 Jul | 31.8 | 0.0392 | 0.171 | 0.000509 | 6.29 | 0.0302 | 7.31 | 0.0000049 | 0.00489 | 0.00133 | 0.00542 | 0.00931 | 0.0000127 | 5.82 | 0.00000336 | 0.000144 | 0.000111 | 0.000343 | 0.0231 |
| 2027 Aug | 29.4 | 0.0322 | 0.136 | 0.000511 | 5.91 | 0.0291 | 6.39 | 0.00000494 | 0.00478 | 0.00112 | 0.00535 | 0.00838 | 0.0000122 | 5.3 | 0.0000032 | 0.000123 | 0.0000788 | 0.000326 | 0.0207 |
| 2027 Sep | 27.2 | 0.032 | 0.11 | 0.000484 | 5.2 | 0.0276 | 5.86 | 0.00000482 | 0.00396 | 0.000948 | 0.00513 | 0.0076 | 0.0000114 | 4.82 | 0.00000301 | 0.000104 | 0.0000709 | 0.000305 | 0.0178 |
| 2027 Oct | 39 | 0.0647 | 0.271 | 0.000408 | 7.52 | 0.0323 | 10.3 | 0.00000433 | 0.00492 | 0.00212 | 0.00507 | 0.0101 | 0.0000129 | 7.28 | 0.00000484 | 0.000172 | 0.000111 | 0.000413 | 0.0251 |
| 2027 Nov | 29.7 | 0.0429 | 0.162 | 0.000467 | 5.19 | 0.0276 | 7.15 | 0.00000466 | 0.00388 | 0.00134 | 0.00509 | 0.00803 | 0.0000118 | 5.35 | 0.0000033 | 0.000121 | 0.0000783 | 0.00033 | 0.0164 |
| 2027 Dec | 25.2 | 0.0253 | 0.073 | 0.000493 | 4.14 | 0.0279 | 4.97 | 0.00000487 | 0.00282 | 0.000709 | 0.00505 | 0.00774 | 0.0000108 | 4.27 | 0.00000286 | 0.0000803 | 0.0000623 | 0.000285 | 0.00989 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 24.6 | 0.0232 | 0.0629 | 0.000496 | 4 | 0.0277 | 4.7 | 0.00000489 | 0.00276 | 0.000636 | 0.00505 | 0.00762 | 0.0000107 | 4.12 | 0.00000281 | 0.0000758 | 0.0000605 | 0.00028 | 0.00916 |
| 2028 Feb | 24.4 | 0.0227 | 0.0605 | 0.000498 | 3.96 | 0.0277 | 4.64 | 0.0000049 | 0.00274 | 0.00062 | 0.00505 | 0.00759 | 0.0000107 | 4.09 | 0.00000279 | 0.0000747 | 0.0000601 | 0.000279 | 0.00899 |
| 2028 Mar | 25.2 | 0.0204 | 0.0401 | 0.0005 | 4.04 | 0.0298 | 4.4 | 0.00000494 | 0.00179 | 0.000476 | 0.00503 | 0.00855 | 0.0000104 | 4.13 | 0.00000268 | 0.0000651 | 0.0000562 | 0.000268 | 0.00743 |
| 2028 Apr | 21.3 | 0.00793 | 0.0105 | 0.0005 | 1.73 | 0.0335 | 3.93 | 0.00000499 | 0.00157 | 0.000292 | 0.00501 | 0.00678 | 0.0000101 | 3.1 | 0.00000254 | 0.0000535 | 0.0000514 | 0.000254 | 0.00556 |
| 2028 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2028 Jun | 32.4 | 0.0265 | 0.0825 | 0.000499 | 6.64 | 0.0349 | 5.99 | 0.00000468 | 0.00208 | 0.000823 | 0.00489 | 0.0103 | 0.0000106 | 5.43 | 0.00000281 | 0.0000804 | 0.0000862 | 0.000283 | 0.0105 |
| 2028 Jul | 22.3 | 0.0137 | 0.0524 | 0.000479 | 4.47 | 0.0264 | 4.01 | 0.00000488 | 0.00478 | 0.000564 | 0.00502 | 0.00725 | 0.0000106 | 3.87 | 0.00000273 | 0.0000702 | 0.0000944 | 0.000277 | 0.0165 |
| 2028 Aug | 20.8 | 0.00776 | 0.0261 | 0.000491 | 4.29 | 0.0257 | 3.33 | 0.00000496 | 0.00461 | 0.000388 | 0.00503 | 0.0064 | 0.0000103 | 3.52 | 0.00000262 | 0.0000598 | 0.0000551 | 0.000264 | 0.0143 |
| 2028 Sep | 23 | 0.0181 | 0.0453 | 0.00048 | 4.4 | 0.0265 | 4.21 | 0.00000492 | 0.00379 | 0.000516 | 0.00504 | 0.00669 | 0.0000106 | 3.9 | 0.00000271 | 0.0000676 | 0.0000592 | 0.000274 | 0.0143 |
| 2028 Oct | 32.3 | 0.0304 | 0.133 | 0.000417 | 6.56 | 0.0332 | 6.89 | 0.00000458 | 0.00536 | 0.00116 | 0.00495 | 0.00888 | 0.0000113 | 5.67 | 0.00000544 | 0.000102 | 0.000107 | 0.000394 | 0.0176 |
| 2028 Nov | 25.6 | 0.0266 | 0.097 | 0.000436 | 4.44 | 0.0264 | 5.4 | 0.00000467 | 0.00368 | 0.000877 | 0.00494 | 0.00726 | 0.0000109 | 4.44 | 0.00000291 | 0.0000876 | 0.0000692 | 0.000298 | 0.0128 |
| 2028 Dec | 24.1 | 0.0198 | 0.0528 | 0.000467 | 3.97 | 0.0275 | 4.43 | 0.00000483 | 0.00275 | 0.000562 | 0.00497 | 0.00754 | 0.0000105 | 4.01 | 0.00000271 | 0.0000694 | 0.0000599 | 0.000275 | 0.00904 |
| 2029 Jan | 23.7 | 0.0188 | 0.0477 | 0.00047 | 3.88 | 0.0274 | 4.29 | 0.00000485 | 0.00272 | 0.000526 | 0.00497 | 0.00747 | 0.0000104 | 3.93 | 0.00000269 | 0.0000674 | 0.0000589 | 0.000272 | 0.00861 |
| 2029 Feb | 23.7 | 0.0188 | 0.0472 | 0.000471 | 3.87 | 0.0274 | 4.28 | 0.00000485 | 0.00271 | 0.000523 | 0.00497 | 0.00747 | 0.0000104 | 3.92 | 0.00000269 | 0.0000672 | 0.0000588 | 0.000272 | 0.00858 |
| 2029 Mar | 25 | 0.019 | 0.0377 | 0.000478 | 4.07 | 0.0297 | 4.33 | 0.00000489 | 0.00184 | 0.000457 | 0.00498 | 0.0085 | 0.0000103 | 4.11 | 0.00000264 | 0.0000628 | 0.0000565 | 0.000266 | 0.00766 |
| 2029 Apr | 21.8 | 0.00895 | 0.0164 | 0.000491 | 1.89 | 0.0334 | 4.07 | 0.00000495 | 0.00165 | 0.000333 | 0.00499 | 0.00687 | 0.0000101 | 3.21 | 0.00000256 | 0.0000555 | 0.0000528 | 0.000257 | 0.00615 |
| 2029 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2029 Jun | 29.4 | 0.0127 | 0.0215 | 0.000475 | 6.18 | 0.0351 | 4.45 | 0.0000048 | 0.00164 | 0.000392 | 0.00485 | 0.00991 | 0.00000988 | 4.69 | 0.00000251 | 0.0000552 | 0.0000794 | 0.000252 | 0.00627 |
| 2029 Jul | 19 | 0.00425 | 0.0148 | 0.000479 | 3.86 | 0.0249 | 2.86 | 0.00000483 | 0.00462 | 0.000289 | 0.00486 | 0.00653 | 0.00000985 | 3.2 | 0.00000248 | 0.0000531 | 0.0000882 | 0.00025 | 0.014 |
| 2029 Aug | 19.4 | 0.0037 | 0.0119 | 0.000485 | 4.04 | 0.025 | 2.86 | 0.00000488 | 0.00447 | 0.000279 | 0.0049 | 0.00608 | 0.0000099 | 3.24 | 0.00000249 | 0.0000524 | 0.0000516 | 0.00025 | 0.0131 |
| 2029 Sep | 21.9 | 0.0122 | 0.0446 | 0.000428 | 4.25 | 0.0247 | 3.88 | 0.00000444 | 0.00338 | 0.000472 | 0.00454 | 0.00641 | 0.00000951 | 3.66 | 0.00000245 | 0.0000606 | 0.0000566 | 0.00025 | 0.0128 |
| 2029 Oct | 25.5 | 0.00465 | 0.0231 | 0.000467 | 5.39 | 0.0329 | 3.94 | 0.00000474 | 0.00563 | 0.000376 | 0.00479 | 0.00733 | 0.00000977 | 4.08 | 0.00000616 | 0.0000548 | 0.0001 | 0.00037 | 0.00945 |
| 2029 Nov | 19 | 0.00904 | 0.0146 | 0.000479 | 2.97 | 0.0239 | 3 | 0.00000484 | 0.00326 | 0.000276 | 0.00487 | 0.00574 | 0.00000986 | 3.02 | 0.00000249 | 0.000053 | 0.0000519 | 0.00025 | 0.00592 |
| 2029 Dec | 21.5 | 0.0116 | 0.021 | 0.000471 | 3.44 | 0.0263 | 3.45 | 0.00000478 | 0.00246 | 0.00032 | 0.00482 | 0.00697 | 0.0000098 | 3.44 | 0.00000248 | 0.0000542 | 0.0000526 | 0.00025 | 0.00629 |
| 2030 Jan | 21.6 | 0.0117 | 0.0239 | 0.000466 | 3.48 | 0.0262 | 3.51 | 0.00000474 | 0.00247 | 0.000337 | 0.00478 | 0.00699 | 0.00000977 | 3.47 | 0.00000248 | 0.000055 | 0.000053 | 0.00025 | 0.00651 |
| 2030 Feb | 21.3 | 0.0114 | 0.0165 | 0.000479 | 3.36 | 0.0264 | 3.36 | 0.00000484 | 0.00244 | 0.000291 | 0.00487 | 0.00695 | 0.00000986 | 3.39 | 0.00000249 | 0.0000531 | 0.0000519 | 0.00025 | 0.00594 |
| 2030 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2030 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2030 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2030 Jun | 28.7 | 0.0104 | 0.0208 | 0.00046 | 6.02 | 0.0341 | 4.27 | 0.00000467 | 0.00162 | 0.000365 | 0.00471 | 0.00963 | 0.00000958 | 4.55 | 0.00000242 | 0.0000526 | 0.0000769 | 0.000244 | 0.00606 |
| 2030 Jul | 19.1 | 0.00311 | 0.0167 | 0.000467 | 3.86 | 0.0246 | 2.84 | 0.00000473 | 0.00449 | 0.000285 | 0.00476 | 0.00649 | 0.00000964 | 3.18 | 0.00000243 | 0.0000521 | 0.0000862 | 0.000245 | 0.0136 |
| 2030 Aug | 19.6 | 0.00288 | 0.0158 | 0.000471 | 4.06 | 0.0247 | 2.89 | 0.00000477 | 0.00434 | 0.000288 | 0.0048 | 0.00609 | 0.00000971 | 3.25 | 0.00000245 | 0.0000521 | 0.0000516 | 0.000247 | 0.0129 |
| 2030 Sep | 20.6 | 0.00879 | 0.0225 | 0.000458 | 3.96 | 0.0247 | 3.33 | 0.00000467 | 0.00345 | 0.000313 | 0.00471 | 0.0061 | 0.00000958 | 3.37 | 0.00000242 | 0.0000532 | 0.0000525 | 0.000246 | 0.0119 |
| 2030 Oct | 25.1 | 0.00294 | 0.0327 | 0.000436 | 5.29 | 0.0312 | 3.92 | 0.00000449 | 0.00522 | 0.000397 | 0.00454 | 0.00718 | 0.00000933 | 4.02 | 0.00000561 | 0.0000543 | 0.0000943 | 0.000348 | 0.00955 |
| 2030 Nov | 21 | 0.00627 | 0.0531 | 0.000389 | 3.72 | 0.0228 | 3.61 | 0.0000041 | 0.00304 | 0.000457 | 0.0042 | 0.00611 | 0.00000881 | 3.41 | 0.00000237 | 0.0000573 | 0.0000559 | 0.000239 | 0.0084 |
| 2030 Dec | 21.5 | 0.00936 | 0.0267 | 0.00045 | 3.52 | 0.0257 | 3.44 | 0.00000459 | 0.00247 | 0.000328 | 0.00464 | 0.00687 | 0.00000946 | 3.43 | 0.00000244 | 0.0000533 | 0.0000527 | 0.000245 | 0.00654 |
| 2031 Jan | 21.3 | 0.00966 | 0.0218 | 0.000461 | 3.44 | 0.0259 | 3.37 | 0.00000468 | 0.00245 | 0.000303 | 0.00472 | 0.00688 | 0.00000958 | 3.39 | 0.00000246 | 0.0000526 | 0.0000521 | 0.000246 | 0.0062 |
| 2031 Feb | 21.3 | 0.00969 | 0.0215 | 0.000462 | 3.43 | 0.0259 | 3.36 | 0.00000469 | 0.00245 | 0.000302 | 0.00472 | 0.00688 | 0.00000959 | 3.39 | 0.00000246 | 0.0000525 | 0.0000521 | 0.000246 | 0.00618 |
| 2031 Mar | 23.2 | 0.0124 | 0.0169 | 0.000475 | 3.72 | 0.0287 | 3.63 | 0.0000048 | 0.00162 | 0.000284 | 0.00482 | 0.00809 | 0.00000974 | 3.7 | 0.00000247 | 0.0000516 | 0.0000513 | 0.000248 | 0.00576 |
| 2031 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2031 May | 23.7 | 0.00829 | 0.00717 | 0.00049 | 3.71 | 0.0296 | 3.67 | 0.00000491 | 0.00232 | 0.000242 | 0.00492 | 0.0079 | 0.00000988 | 3.56 | 0.00000249 | 0.0000506 | 0.0000505 | 0.000249 | 0.00531 |
| 2031 Jun | 28.7 | 0.00949 | 0.0166 | 0.00047 | 6 | 0.0343 | 4.18 | 0.00000472 | 0.00161 | 0.00033 | 0.00474 | 0.00966 | 0.00000958 | 4.51 | 0.00000244 | 0.0000509 | 0.0000764 | 0.000244 | 0.00567 |
| 2031 Jul | 18.2 | 0.0025 | 0.00255 | 0.0005 | 3.69 | 0.025 | 2.55 | 0.000005 | 0.00485 | 0.00021 | 0.005 | 0.0064 | 0.00001 | 3.04 | 0.0000025 | 0.00005 | 0.00009 | 0.00025 | 0.014 |
| 2031 Aug | 19.4 | 0.00262 | 0.0125 | 0.00048 | 4.02 | 0.0247 | 2.82 | 0.00000481 | 0.00439 | 0.000265 | 0.00483 | 0.00605 | 0.00000974 | 3.21 | 0.00000246 | 0.0000512 | 0.0000508 | 0.000247 | 0.0128 |
| 2031 Sep | 20.9 | 0.00769 | 0.0317 | 0.000437 | 4.01 | 0.0239 | 3.38 | 0.0000044 | 0.0033 | 0.00034 | 0.00445 | 0.00609 | 0.00000912 | 3.39 | 0.00000235 | 0.0000527 | 0.0000513 | 0.000239 | 0.0116 |
| 2031 Oct | 24.5 | 0.00273 | 0.0455 | 0.000403 | 5.07 | 0.0283 | 3.87 | 0.00000409 | 0.00458 | 0.000425 | 0.00417 | 0.0069 | 0.00000865 | 3.9 | 0.00000475 | 0.0000534 | 0.0000829 | 0.000313 | 0.00966 |
| 2031 Nov | 19.9 | 0.00655 | 0.0334 | 0.000429 | 3.34 | 0.0228 | 3.19 | 0.00000434 | 0.00308 | 0.000338 | 0.00439 | 0.00582 | 0.00000901 | 3.15 | 0.00000237 | 0.0000525 | 0.0000513 | 0.000238 | 0.00697 |
| 2031 Dec | 21.2 | 0.00942 | 0.0207 | 0.000461 | 3.41 | 0.0256 | 3.3 | 0.00000464 | 0.00244 | 0.000287 | 0.00467 | 0.00681 | 0.00000947 | 3.35 | 0.00000243 | 0.0000514 | 0.0000507 | 0.000244 | 0.00607 |
| 2032 Jan | 21.1 | 0.00954 | 0.0192 | 0.000465 | 3.39 | 0.0257 | 3.29 | 0.00000467 | 0.00243 | 0.000281 | 0.0047 | 0.00682 | 0.00000951 | 3.34 | 0.00000243 | 0.0000512 | 0.0000507 | 0.000244 | 0.00597 |
| 2032 Feb | 21.1 | 0.00955 | 0.0191 | 0.000465 | 3.39 | 0.0257 | 3.28 | 0.00000468 | 0.00243 | 0.00028 | 0.0047 | 0.00682 | 0.00000952 | 3.34 | 0.00000244 | 0.0000512 | 0.0000506 | 0.000244 | 0.00597 |
| 2032 Mar | 23.1 | 0.0123 | 0.0154 | 0.000478 | 3.69 | 0.0286 | 3.58 | 0.00000479 | 0.00161 | 0.00027 | 0.00481 | 0.00805 | 0.00000969 | 3.67 | 0.00000246 | 0.0000508 | 0.0000504 | 0.000246 | 0.00562 |
| 2032 Apr | 20.8 | 0.00613 | 0.00296 | 0.000499 | 1.6 | 0.0334 | 3.73 | 0.00000499 | 0.00151 | 0.000237 | 0.00499 | 0.00667 | 0.00000999 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.00503 |
| 2032 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2032 Jun | 28.6 | 0.00937 | 0.0169 | 0.000462 | 6.02 | 0.0341 | 4.14 | 0.00000466 | 0.00158 | 0.000324 | 0.00468 | 0.00961 | 0.00000944 | 4.5 | 0.0000024 | 0.0000501 | 0.0000759 | 0.000241 | 0.00562 |
| 2032 Jul | 19.2 | 0.00268 | 0.0158 | 0.000464 | 3.91 | 0.0245 | 2.79 | 0.00000469 | 0.00445 | 0.000263 | 0.00471 | 0.0065 | 0.00000951 | 3.18 | 0.00000241 | 0.0000505 | 0.0000853 | 0.000243 | 0.0134 |
| 2032 Aug | 19.9 | 0.00264 | 0.0161 | 0.000467 | 4.13 | 0.0246 | 2.87 | 0.00000472 | 0.00428 | 0.000274 | 0.00474 | 0.00613 | 0.00000958 | 3.26 | 0.00000242 | 0.0000509 | 0.0000513 | 0.000245 | 0.0127 |
| 2032 Sep | 20.5 | 0.00879 | 0.0153 | 0.00047 | 3.94 | 0.0249 | 3.18 | 0.00000475 | 0.00349 | 0.000261 | 0.00477 | 0.00606 | 0.00000962 | 3.31 | 0.00000243 | 0.0000509 | 0.0000512 | 0.000246 | 0.0117 |
| 2032 Oct | 25.8 | 0.0027 | 0.034 | 0.000429 | 5.43 | 0.031 | 3.87 | 0.00000441 | 0.00505 | 0.000371 | 0.00446 | 0.00731 | 0.00000911 | 4.06 | 0.00000543 | 0.0000523 | 0.0000923 | 0.000341 | 0.0093 |
| 2032 Nov | 19 | 0.00777 | 0.0118 | 0.000478 | 2.97 | 0.0238 | 2.88 | 0.00000482 | 0.00322 | 0.000238 | 0.00483 | 0.00571 | 0.00000973 | 2.97 | 0.00000245 | 0.0000507 | 0.0000509 | 0.000247 | 0.00555 |
| 2032 Dec | 21.5 | 0.00978 | 0.0179 | 0.000468 | 3.46 | 0.0261 | 3.29 | 0.00000473 | 0.0024 | 0.00027 | 0.00475 | 0.00695 | 0.0000096 | 3.38 | 0.00000243 | 0.0000511 | 0.0000513 | 0.000246 | 0.00582 |
| 2033 Jan | 21.6 | 0.00968 | 0.0192 | 0.000464 | 3.49 | 0.0261 | 3.31 | 0.00000471 | 0.0024 | 0.000275 | 0.00473 | 0.00696 | 0.00000956 | 3.4 | 0.00000242 | 0.0000512 | 0.0000514 | 0.000245 | 0.0059 |
| 2033 Feb | 21.7 | 0.00962 | 0.0201 | 0.000462 | 3.51 | 0.026 | 3.32 | 0.00000469 | 0.0024 | 0.000279 | 0.00471 | 0.00696 | 0.00000953 | 3.41 | 0.00000242 | 0.0000512 | 0.0000515 | 0.000245 | 0.00596 |
| 2033 Mar | 23.4 | 0.0126 | 0.0136 | 0.000481 | 3.72 | 0.0289 | 3.58 | 0.00000485 | 0.00157 | 0.00026 | 0.00486 | 0.00817 | 0.00000977 | 3.7 | 0.00000246 | 0.0000506 | 0.0000507 | 0.000247 | 0.00547 |
| 2033 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2033 May | 23.8 | 0.00805 | 0.0102 | 0.000479 | 3.76 | 0.0292 | 3.66 | 0.00000482 | 0.0023 | 0.000248 | 0.00483 | 0.00785 | 0.00000971 | 3.56 | 0.00000244 | 0.0000502 | 0.0000502 | 0.000246 | 0.00543 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 28.5 | 0.00935 | 0.0165 | 0.000464 | 5.95 | 0.0338 | 4.1 | 0.00000464 | 0.00157 | 0.000313 | 0.00466 | 0.00956 | 0.0000094 | 4.46 | 0.00000237 | 0.0000495 | 0.0000746 | 0.00024 | 0.00554 |
| 2033 Jul | 18.5 | 0.00256 | 0.0065 | 0.00049 | 3.74 | 0.0248 | 2.61 | 0.0000049 | 0.00472 | 0.000224 | 0.00491 | 0.00642 | 0.00000984 | 3.07 | 0.00000247 | 0.00005 | 0.0000881 | 0.000248 | 0.0138 |
| 2033 Aug | 19.1 | 0.00255 | 0.00574 | 0.000493 | 3.97 | 0.0249 | 2.68 | 0.00000493 | 0.00452 | 0.000231 | 0.00493 | 0.00599 | 0.00000989 | 3.15 | 0.00000248 | 0.0000501 | 0.0000501 | 0.000249 | 0.0129 |
| 2033 Sep | 21.4 | 0.00766 | 0.0312 | 0.000434 | 4.11 | 0.0237 | 3.31 | 0.00000433 | 0.00324 | 0.000308 | 0.00437 | 0.00616 | 0.00000891 | 3.4 | 0.00000227 | 0.0000504 | 0.0000503 | 0.000235 | 0.0113 |
| 2033 Oct | 25 | 0.00273 | 0.0416 | 0.000407 | 5.18 | 0.0282 | 3.72 | 0.00000405 | 0.00457 | 0.000367 | 0.0041 | 0.00694 | 0.00000842 | 3.88 | 0.00000472 | 0.0000499 | 0.0000823 | 0.00031 | 0.00928 |
| 2033 Nov | 21.1 | 0.00573 | 0.0436 | 0.000399 | 3.74 | 0.022 | 3.23 | 0.00000397 | 0.00298 | 0.000339 | 0.00402 | 0.00596 | 0.00000828 | 3.26 | 0.00000229 | 0.0000497 | 0.0000512 | 0.00023 | 0.00747 |
| 2033 Dec | 21.5 | 0.00916 | 0.0217 | 0.000456 | 3.51 | 0.0253 | 3.26 | 0.00000455 | 0.00244 | 0.000273 | 0.00458 | 0.0068 | 0.00000925 | 3.35 | 0.00000241 | 0.0000499 | 0.0000506 | 0.000241 | 0.00607 |
| 2034 Jan | 21.3 | 0.0095 | 0.018 | 0.000466 | 3.43 | 0.0256 | 3.23 | 0.00000465 | 0.00243 | 0.00026 | 0.00467 | 0.00682 | 0.00000941 | 3.33 | 0.00000243 | 0.0000499 | 0.0000504 | 0.000243 | 0.00585 |
| 2034 Feb | 21.3 | 0.00953 | 0.0177 | 0.000466 | 3.43 | 0.0257 | 3.23 | 0.00000466 | 0.00243 | 0.000259 | 0.00467 | 0.00682 | 0.00000943 | 3.33 | 0.00000243 | 0.0000499 | 0.0000504 | 0.000243 | 0.00583 |
| 2034 Mar | 23.2 | 0.0125 | 0.0123 | 0.000484 | 3.68 | 0.0288 | 3.53 | 0.00000483 | 0.00158 | 0.00025 | 0.00484 | 0.0081 | 0.00000972 | 3.67 | 0.00000247 | 0.00005 | 0.0000502 | 0.000247 | 0.0054 |
| 2034 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2034 May | 23.7 | 0.00835 | 0.00464 | 0.000495 | 3.69 | 0.0297 | 3.63 | 0.00000494 | 0.00231 | 0.000226 | 0.00494 | 0.00791 | 0.0000099 | 3.54 | 0.00000249 | 0.0000499 | 0.00005 | 0.000249 | 0.00512 |
| 2034 Jun | 28.5 | 0.0093 | 0.0154 | 0.000467 | 5.95 | 0.0337 | 4.06 | 0.00000462 | 0.00158 | 0.000303 | 0.00464 | 0.00952 | 0.00000933 | 4.44 | 0.00000238 | 0.0000488 | 0.0000744 | 0.000239 | 0.00546 |
| 2034 Jul | 18.3 | 0.00252 | 0.00381 | 0.000497 | 3.71 | 0.0249 | 2.57 | 0.00000496 | 0.0048 | 0.000214 | 0.00496 | 0.0064 | 0.00000993 | 3.04 | 0.00000249 | 0.0000499 | 0.0000893 | 0.000249 | 0.0139 |
| 2034 Aug | 19 | 0.00254 | 0.00457 | 0.000496 | 3.95 | 0.0249 | 2.66 | 0.00000495 | 0.00454 | 0.000226 | 0.00495 | 0.00598 | 0.00000991 | 3.14 | 0.00000248 | 0.00005 | 0.00005 | 0.000249 | 0.0129 |
| 2034 Sep | 20.6 | 0.00862 | 0.016 | 0.000471 | 3.95 | 0.0246 | 3.15 | 0.00000466 | 0.00341 | 0.000251 | 0.00468 | 0.00606 | 0.00000942 | 3.3 | 0.0000024 | 0.0000497 | 0.0000502 | 0.000242 | 0.0113 |
| 2034 Oct | 25.3 | 0.003 | 0.0373 | 0.000422 | 5.24 | 0.0287 | 3.68 | 0.0000041 | 0.00451 | 0.000341 | 0.00414 | 0.00706 | 0.00000845 | 3.9 | 0.00000475 | 0.0000486 | 0.0000824 | 0.000311 | 0.00886 |
| 2034 Nov | 20 | 0.00707 | 0.0232 | 0.000453 | 3.31 | 0.0231 | 2.99 | 0.00000445 | 0.00304 | 0.000263 | 0.00448 | 0.00585 | 0.00000905 | 3.09 | 0.00000233 | 0.0000492 | 0.0000501 | 0.000237 | 0.00611 |
| 2034 Dec | 21.4 | 0.00963 | 0.0171 | 0.00047 | 3.45 | 0.0257 | 3.22 | 0.00000465 | 0.00238 | 0.000252 | 0.00467 | 0.00687 | 0.0000094 | 3.34 | 0.00000239 | 0.0000495 | 0.0000501 | 0.000242 | 0.0057 |
| 2035 Jan | 21.4 | 0.00967 | 0.0166 | 0.000471 | 3.44 | 0.0258 | 3.22 | 0.00000467 | 0.00238 | 0.000251 | 0.00468 | 0.00687 | 0.00000943 | 3.34 | 0.0000024 | 0.0000495 | 0.0000501 | 0.000242 | 0.00567 |
| 2035 Feb | 21.2 | 0.00997 | 0.0132 | 0.000479 | 3.36 | 0.026 | 3.19 | 0.00000476 | 0.00239 | 0.000241 | 0.00477 | 0.00688 | 0.00000958 | 3.31 | 0.00000243 | 0.0000496 | 0.00005 | 0.000244 | 0.00549 |
| 2035 Mar | 23.3 | 0.0123 | 0.0145 | 0.00048 | 3.74 | 0.0285 | 3.54 | 0.00000476 | 0.00158 | 0.000254 | 0.00478 | 0.00807 | 0.00000959 | 3.67 | 0.00000243 | 0.0000496 | 0.00005 | 0.000245 | 0.00548 |
| 2035 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2035 May | 23.7 | 0.00846 | 0.00316 | 0.000499 | 3.67 | 0.0299 | 3.63 | 0.00000498 | 0.0023 | 0.000222 | 0.00498 | 0.00795 | 0.00000997 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.00504 |
| 2035 Jun | 28.6 | 0.00934 | 0.015 | 0.000462 | 6 | 0.0337 | 4.05 | 0.00000462 | 0.00155 | 0.000299 | 0.00463 | 0.00956 | 0.0000093 | 4.45 | 0.00000236 | 0.0000484 | 0.0000746 | 0.000238 | 0.00542 |
| 2035 Jul | 18.4 | 0.00255 | 0.00472 | 0.000493 | 3.73 | 0.0249 | 2.58 | 0.00000493 | 0.00476 | 0.000216 | 0.00493 | 0.00642 | 0.00000988 | 3.06 | 0.00000247 | 0.0000498 | 0.0000888 | 0.000248 | 0.0138 |
| 2035 Aug | 19.2 | 0.00259 | 0.00672 | 0.000488 | 4.01 | 0.0248 | 2.69 | 0.00000488 | 0.00446 | 0.000231 | 0.00489 | 0.00602 | 0.0000098 | 3.17 | 0.00000246 | 0.0000497 | 0.0000502 | 0.000247 | 0.0128 |
| 2035 Sep | 20.9 | 0.0083 | 0.0189 | 0.00045 | 4.05 | 0.0243 | 3.14 | 0.00000454 | 0.00333 | 0.000252 | 0.00455 | 0.00609 | 0.00000918 | 3.32 | 0.00000232 | 0.0000487 | 0.0000501 | 0.000238 | 0.0112 |
| 2035 Oct | 25.2 | 0.00283 | 0.0342 | 0.000402 | 5.29 | 0.0287 | 3.59 | 0.0000041 | 0.00458 | 0.000319 | 0.00414 | 0.00702 | 0.0000084 | 3.88 | 0.0000048 | 0.0000473 | 0.0000829 | 0.000311 | 0.00886 |
| 2035 Nov | 21.2 | 0.00598 | 0.0373 | 0.000389 | 3.78 | 0.022 | 3.07 | 0.00000398 | 0.00286 | 0.000288 | 0.00402 | 0.00598 | 0.00000818 | 3.23 | 0.00000217 | 0.0000469 | 0.0000495 | 0.000224 | 0.00699 |
| 2035 Dec | 21.5 | 0.00928 | 0.0191 | 0.000451 | 3.53 | 0.0253 | 3.19 | 0.00000455 | 0.00238 | 0.000251 | 0.00457 | 0.00682 | 0.0000092 | 3.34 | 0.00000236 | 0.0000486 | 0.0000498 | 0.000239 | 0.00588 |
| 2036 Jan | 21.4 | 0.00955 | 0.0164 | 0.00046 | 3.46 | 0.0256 | 3.18 | 0.00000464 | 0.00239 | 0.000244 | 0.00465 | 0.00684 | 0.00000935 | 3.33 | 0.00000238 | 0.0000489 | 0.0000498 | 0.000241 | 0.00571 |
| 2036 Feb | 21.4 | 0.00958 | 0.0162 | 0.000461 | 3.46 | 0.0256 | 3.18 | 0.00000464 | 0.00239 | 0.000244 | 0.00466 | 0.00684 | 0.00000936 | 3.33 | 0.00000239 | 0.0000489 | 0.0000498 | 0.000241 | 0.0057 |
| 2036 Mar | 23.4 | 0.0118 | 0.0168 | 0.000464 | 3.8 | 0.0281 | 3.51 | 0.00000467 | 0.00162 | 0.000255 | 0.00468 | 0.00799 | 0.00000941 | 3.67 | 0.00000239 | 0.000049 | 0.0000499 | 0.000242 | 0.00565 |
| 2036 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2036 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2036 Jun | 28.7 | 0.00932 | 0.0148 | 0.00046 | 6.04 | 0.0338 | 4.04 | 0.00000462 | 0.00156 | 0.000295 | 0.00463 | 0.00958 | 0.0000093 | 4.47 | 0.00000237 | 0.0000482 | 0.0000749 | 0.000239 | 0.00545 |
| 2036 Jul | 19 | 0.00266 | 0.01 | 0.000473 | 3.86 | 0.0245 | 2.65 | 0.00000475 | 0.00451 | 0.000226 | 0.00475 | 0.00646 | 0.00000954 | 3.11 | 0.0000024 | 0.0000489 | 0.0000857 | 0.000243 | 0.0133 |
| 2036 Aug | 19 | 0.00254 | 0.00481 | 0.000493 | 3.97 | 0.0249 | 2.66 | 0.00000493 | 0.00452 | 0.000225 | 0.00493 | 0.00599 | 0.00000988 | 3.15 | 0.00000247 | 0.0000497 | 0.0000501 | 0.000248 | 0.0129 |
| 2036 Sep | 20.6 | 0.00871 | 0.0132 | 0.000467 | 3.98 | 0.0247 | 3.09 | 0.00000469 | 0.00341 | 0.000234 | 0.0047 | 0.00607 | 0.00000943 | 3.29 | 0.00000238 | 0.0000489 | 0.0000504 | 0.000242 | 0.0113 |
| 2036 Oct | 25.6 | 0.00292 | 0.037 | 0.000396 | 5.37 | 0.0281 | 3.57 | 0.00000398 | 0.00433 | 0.000312 | 0.00401 | 0.0071 | 0.00000815 | 3.9 | 0.00000451 | 0.0000461 | 0.0000808 | 0.0003 | 0.00871 |
| 2036 Nov | 20.1 | 0.00705 | 0.0207 | 0.000444 | 3.36 | 0.0231 | 2.91 | 0.00000445 | 0.00302 | 0.000241 | 0.00447 | 0.00587 | 0.000009 | 3.08 | 0.0000023 | 0.0000479 | 0.0000502 | 0.000235 | 0.00597 |
| 2036 Dec | 21.5 | 0.00961 | 0.0157 | 0.000464 | 3.49 | 0.0257 | 3.18 | 0.00000465 | 0.00236 | 0.000239 | 0.00466 | 0.00689 | 0.00000936 | 3.34 | 0.00000237 | 0.0000486 | 0.0000501 | 0.000241 | 0.00563 |
| 2037 Jan | 21.5 | 0.00964 | 0.0154 | 0.000465 | 3.48 | 0.0258 | 3.18 | 0.00000466 | 0.00236 | 0.000239 | 0.00467 | 0.00689 | 0.00000937 | 3.34 | 0.00000238 | 0.0000487 | 0.0000501 | 0.000241 | 0.00561 |
| 2037 Feb | 21.4 | 0.00974 | 0.0144 | 0.000468 | 3.45 | 0.0259 | 3.17 | 0.00000469 | 0.00237 | 0.000236 | 0.0047 | 0.00689 | 0.00000943 | 3.33 | 0.00000239 | 0.0000488 | 0.0000501 | 0.000242 | 0.00555 |
| 2037 Mar | 23.2 | 0.0129 | 0.00904 | 0.00049 | 3.65 | 0.0291 | 3.51 | 0.0000049 | 0.00153 | 0.000236 | 0.00491 | 0.00817 | 0.00000982 | 3.67 | 0.00000247 | 0.0000496 | 0.00005 | 0.000247 | 0.00517 |
| 2037 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2037 May | 23.8 | 0.00788 | 0.0108 | 0.000471 | 3.81 | 0.0287 | 3.59 | 0.00000472 | 0.00228 | 0.000235 | 0.00473 | 0.00777 | 0.00000949 | 3.54 | 0.0000024 | 0.0000488 | 0.0000496 | 0.000242 | 0.00541 |
| 2037 Jun | 28.6 | 0.00924 | 0.0157 | 0.000454 | 5.96 | 0.0333 | 4 | 0.00000456 | 0.00155 | 0.000289 | 0.00457 | 0.00948 | 0.00000918 | 4.42 | 0.00000232 | 0.0000476 | 0.0000731 | 0.000236 | 0.00538 |
| 2037 Jul | 18.8 | 0.00262 | 0.0081 | 0.000481 | 3.81 | 0.0246 | 2.62 | 0.00000483 | 0.00463 | 0.00022 | 0.00483 | 0.00644 | 0.00000968 | 3.09 | 0.00000243 | 0.0000492 | 0.0000868 | 0.000245 | 0.0136 |
| 2037 Aug | 19 | 0.00253 | 0.00401 | 0.000495 | 3.96 | 0.0249 | 2.65 | 0.00000496 | 0.00455 | 0.000223 | 0.00496 | 0.00598 | 0.00000992 | 3.14 | 0.00000248 | 0.0000498 | 0.00005 | 0.000249 | 0.0129 |
| 2037 Sep | 19.8 | 0.00939 | 0.00464 | 0.000494 | 3.77 | 0.0251 | 3.03 | 0.00000494 | 0.00361 | 0.000214 | 0.00495 | 0.00592 | 0.0000099 | 3.21 | 0.00000248 | 0.0000498 | 0.00005 | 0.000249 | 0.0117 |
| 2037 Oct | 26.1 | 0.00286 | 0.0246 | 0.000437 | 5.47 | 0.0311 | 3.65 | 0.00000444 | 0.0051 | 0.000291 | 0.00445 | 0.00731 | 0.00000897 | 4 | 0.0000055 | 0.0000479 | 0.0000912 | 0.000341 | 0.00863 |
| 2037 Nov | 20.3 | 0.00729 | 0.0199 | 0.000448 | 3.35 | 0.0234 | 2.93 | 0.00000453 | 0.00306 | 0.000235 | 0.00454 | 0.00594 | 0.00000914 | 3.1 | 0.00000232 | 0.0000482 | 0.0000501 | 0.000239 | 0.00585 |
| 2037 Dec | 21.9 | 0.00969 | 0.0168 | 0.000461 | 3.55 | 0.0258 | 3.21 | 0.00000466 | 0.00236 | 0.000239 | 0.00466 | 0.00697 | 0.00000937 | 3.38 | 0.00000237 | 0.0000487 | 0.00005 | 0.000242 | 0.00563 |
| 2038 Jan | 21.9 | 0.00969 | 0.0168 | 0.000462 | 3.55 | 0.0259 | 3.21 | 0.00000466 | 0.00236 | 0.000238 | 0.00467 | 0.00697 | 0.00000937 | 3.38 | 0.00000237 | 0.0000487 | 0.00005 | 0.000242 | 0.00562 |
| 2038 Feb | 21.9 | 0.00969 | 0.0168 | 0.000462 | 3.55 | 0.0258 | 3.21 | 0.00000466 | 0.00236 | 0.000239 | 0.00466 | 0.00697 | 0.00000937 | 3.38 | 0.00000237 | 0.0000487 | 0.00005 | 0.000242 | 0.00563 |
| 2038 Mar | 23.9 | 0.0119 | 0.0175 | 0.000464 | 3.88 | 0.0283 | 3.53 | 0.00000468 | 0.00159 | 0.00025 | 0.00469 | 0.00811 | 0.00000941 | 3.72 | 0.00000238 | 0.0000488 | 0.00005 | 0.000242 | 0.00559 |
| 2038 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2038 May | 23.7 | 0.00828 | 0.00538 | 0.000489 | 3.71 | 0.0295 | 3.61 | 0.00000489 | 0.00229 | 0.000224 | 0.0049 | 0.00788 | 0.0000098 | 3.54 | 0.00000246 | 0.0000494 | 0.0000497 | 0.000247 | 0.00512 |
| 2038 Jun | 28.7 | 0.00956 | 0.0117 | 0.000471 | 6.02 | 0.0342 | 4.04 | 0.00000469 | 0.00154 | 0.000284 | 0.0047 | 0.00966 | 0.00000942 | 4.47 | 0.00000237 | 0.0000481 | 0.000075 | 0.00024 | 0.00523 |
| 2038 Jul | 18.2 | 0.0025 | 0.00255 | 0.0005 | 3.69 | 0.025 | 2.55 | 0.000005 | 0.00485 | 0.00021 | 0.005 | 0.0064 | 0.00001 | 3.04 | 0.0000025 | 0.00005 | 0.00009 | 0.00025 | 0.014 |
| 2038 Aug | 19.1 | 0.00257 | 0.00527 | 0.000492 | 3.97 | 0.0248 | 2.66 | 0.00000491 | 0.0045 | 0.000224 | 0.00492 | 0.00599 | 0.00000984 | 3.15 | 0.00000247 | 0.0000496 | 0.0000498 | 0.000248 | 0.0128 |
| 2038 Sep | 20.5 | 0.00887 | 0.0111 | 0.000476 | 3.9 | 0.0247 | 3.06 | 0.00000474 | 0.00346 | 0.000223 | 0.00474 | 0.00603 | 0.00000951 | 3.26 | 0.0000024 | 0.0000488 | 0.0000496 | 0.000243 | 0.0113 |
| 2038 Oct | 25.6 | 0.00298 | 0.0261 | 0.000435 | 5.31 | 0.0298 | 3.55 | 0.00000428 | 0.0048 | 0.000281 | 0.0043 | 0.00715 | 0.00000866 | 3.89 | 0.00000512 | 0.0000464 | 0.0000858 | 0.000324 | 0.00843 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 19.2 | 0.00768 | 0.0112 | 0.000475 | 3.03 | 0.0235 | 2.81 | 0.00000473 | 0.00315 | 0.000214 | 0.00473 | 0.00572 | 0.00000949 | 2.96 | 0.00000239 | 0.0000486 | 0.0000495 | 0.000242 | 0.00541 |
| 2038 Dec | 21.5 | 0.00974 | 0.0144 | 0.00047 | 3.45 | 0.0258 | 3.16 | 0.00000467 | 0.00236 | 0.00023 | 0.00468 | 0.00689 | 0.00000938 | 3.32 | 0.00000237 | 0.0000484 | 0.0000494 | 0.000241 | 0.0055 |
| 2039 Jan | 21.5 | 0.00972 | 0.0145 | 0.00047 | 3.46 | 0.0257 | 3.16 | 0.00000467 | 0.00236 | 0.00023 | 0.00467 | 0.00689 | 0.00000937 | 3.33 | 0.00000237 | 0.0000483 | 0.0000494 | 0.000241 | 0.00551 |
| 2039 Feb | 21.5 | 0.00972 | 0.0146 | 0.00047 | 3.46 | 0.0257 | 3.16 | 0.00000467 | 0.00236 | 0.00023 | 0.00467 | 0.00689 | 0.00000937 | 3.33 | 0.00000237 | 0.0000483 | 0.0000494 | 0.000241 | 0.00551 |
| 2039 Mar | 23.1 | 0.0132 | 0.00692 | 0.000497 | 3.6 | 0.0294 | 3.51 | 0.00000497 | 0.00151 | 0.000231 | 0.00497 | 0.00821 | 0.00000994 | 3.66 | 0.00000249 | 0.0000498 | 0.0000499 | 0.000249 | 0.00505 |
| 2039 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2039 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2039 Jun | 28.7 | 0.0095 | 0.0121 | 0.000466 | 6.05 | 0.0341 | 4.02 | 0.00000465 | 0.00152 | 0.000282 | 0.00466 | 0.00964 | 0.00000934 | 4.47 | 0.00000235 | 0.0000477 | 0.000075 | 0.000238 | 0.00524 |
| 2039 Jul | 19.3 | 0.00271 | 0.0118 | 0.000466 | 3.94 | 0.0243 | 2.65 | 0.00000466 | 0.0044 | 0.000222 | 0.00467 | 0.00649 | 0.00000935 | 3.14 | 0.00000235 | 0.000048 | 0.0000842 | 0.000239 | 0.0131 |
| 2039 Aug | 18.9 | 0.00251 | 0.003 | 0.000498 | 3.94 | 0.025 | 2.64 | 0.00000498 | 0.00458 | 0.000221 | 0.00498 | 0.00596 | 0.00000997 | 3.13 | 0.00000249 | 0.0000499 | 0.00005 | 0.00025 | 0.013 |
| 2039 Sep | 21 | 0.00844 | 0.0156 | 0.00046 | 4.08 | 0.0244 | 3.08 | 0.00000459 | 0.00336 | 0.000228 | 0.0046 | 0.00613 | 0.00000923 | 3.32 | 0.00000233 | 0.0000478 | 0.0000504 | 0.000238 | 0.0112 |
| 2039 Oct | 25.5 | 0.00258 | 0.00953 | 0.000483 | 5.42 | 0.0334 | 3.62 | 0.00000483 | 0.00579 | 0.000268 | 0.00483 | 0.00729 | 0.00000967 | 3.97 | 0.00000639 | 0.0000491 | 0.000101 | 0.000374 | 0.00852 |
| 2039 Nov | 18.5 | 0.00806 | 0.00463 | 0.000494 | 2.82 | 0.0239 | 2.75 | 0.00000493 | 0.00326 | 0.000203 | 0.00494 | 0.00561 | 0.00000987 | 2.88 | 0.00000247 | 0.0000496 | 0.0000501 | 0.000248 | 0.00511 |
| 2039 Dec | 21.5 | 0.00989 | 0.0126 | 0.000474 | 3.45 | 0.026 | 3.15 | 0.00000473 | 0.00236 | 0.000226 | 0.00474 | 0.00694 | 0.0000095 | 3.33 | 0.00000239 | 0.0000486 | 0.0000503 | 0.000242 | 0.00545 |
| 2040 Jan | 21.5 | 0.00989 | 0.0126 | 0.000474 | 3.45 | 0.026 | 3.15 | 0.00000473 | 0.00236 | 0.000226 | 0.00474 | 0.00694 | 0.0000095 | 3.33 | 0.00000239 | 0.0000486 | 0.0000503 | 0.000242 | 0.00545 |
| 2040 Feb | 21.4 | 0.01 | 0.0114 | 0.000478 | 3.41 | 0.0261 | 3.15 | 0.00000477 | 0.00237 | 0.000225 | 0.00477 | 0.00693 | 0.00000957 | 3.32 | 0.0000024 | 0.0000488 | 0.0000502 | 0.000243 | 0.00539 |
| 2040 Mar | 23.3 | 0.0128 | 0.0091 | 0.00049 | 3.68 | 0.0291 | 3.5 | 0.0000049 | 0.00153 | 0.000234 | 0.0049 | 0.00819 | 0.00000981 | 3.67 | 0.00000246 | 0.0000494 | 0.0000501 | 0.000247 | 0.00517 |
| 2040 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2040 May | 23.7 | 0.00837 | 0.00416 | 0.000494 | 3.7 | 0.0297 | 3.62 | 0.00000494 | 0.00229 | 0.000222 | 0.00494 | 0.00792 | 0.00000989 | 3.54 | 0.00000247 | 0.0000496 | 0.0000499 | 0.000248 | 0.00508 |
| 2040 Jun | 28.5 | 0.00929 | 0.0131 | 0.00046 | 5.96 | 0.0335 | 3.97 | 0.0000046 | 0.00154 | 0.000278 | 0.0046 | 0.00951 | 0.00000923 | 4.41 | 0.00000232 | 0.0000472 | 0.0000735 | 0.000236 | 0.00528 |
| 2040 Jul | 18.7 | 0.0026 | 0.00711 | 0.000483 | 3.79 | 0.0246 | 2.6 | 0.00000483 | 0.00463 | 0.000214 | 0.00483 | 0.00643 | 0.00000967 | 3.08 | 0.00000243 | 0.0000489 | 0.0000867 | 0.000245 | 0.0135 |
| 2040 Aug | 19.4 | 0.00259 | 0.00757 | 0.000483 | 4.03 | 0.0246 | 2.68 | 0.00000483 | 0.0044 | 0.000225 | 0.00483 | 0.00603 | 0.00000967 | 3.17 | 0.00000243 | 0.000049 | 0.0000498 | 0.000245 | 0.0126 |
| 2040 Sep | 21.1 | 0.0082 | 0.0174 | 0.000449 | 4.07 | 0.0241 | 3.06 | 0.00000451 | 0.00331 | 0.000226 | 0.00451 | 0.00611 | 0.00000905 | 3.31 | 0.00000228 | 0.0000471 | 0.0000493 | 0.000235 | 0.011 |
| 2040 Oct | 25.3 | 0.0025 | 0.0041 | 0.0005 | 5.4 | 0.0345 | 3.64 | 0.000005 | 0.0061 | 0.000265 | 0.005 | 0.0073 | 0.00001 | 3.98 | 0.0000068 | 0.00005 | 0.000105 | 0.00039 | 0.0085 |
| 2040 Nov | 18.2 | 0.0082 | 0.0025 | 0.0005 | 2.73 | 0.024 | 2.73 | 0.000005 | 0.0033 | 0.0002 | 0.005 | 0.00556 | 0.00001 | 2.85 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2040 Dec | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 Jan | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 Feb | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 May | 23.7 | 0.00846 | 0.00305 | 0.000498 | 3.67 | 0.0299 | 3.63 | 0.00000498 | 0.0023 | 0.000221 | 0.00498 | 0.00795 | 0.00000997 | 3.54 | 0.00000249 | 0.0000499 | 0.00005 | 0.000249 | 0.00503 |
| 2041 Jun | 28.9 | 0.00948 | 0.0121 | 0.000465 | 6.08 | 0.0341 | 4.02 | 0.00000467 | 0.00153 | 0.00028 | 0.00467 | 0.00967 | 0.00000936 | 4.48 | 0.00000235 | 0.0000477 | 0.0000752 | 0.000238 | 0.00528 |
| 2041 Jul | 19 | 0.00264 | 0.0086 | 0.000473 | 3.86 | 0.0245 | 2.61 | 0.00000475 | 0.00452 | 0.000215 | 0.00475 | 0.00645 | 0.00000952 | 3.1 | 0.00000239 | 0.0000483 | 0.0000856 | 0.000242 | 0.0133 |
| 2041 Aug | 20.1 | 0.00264 | 0.0133 | 0.000457 | 4.18 | 0.0242 | 2.72 | 0.00000461 | 0.00417 | 0.000228 | 0.00462 | 0.00613 | 0.00000925 | 3.22 | 0.00000233 | 0.0000475 | 0.00005 | 0.000238 | 0.0122 |
| 2041 Sep | 20.7 | 0.00851 | 0.0132 | 0.000459 | 4 | 0.0244 | 3.03 | 0.00000463 | 0.0034 | 0.00022 | 0.00463 | 0.00605 | 0.00000929 | 3.28 | 0.00000234 | 0.0000476 | 0.0000499 | 0.000239 | 0.0112 |
| 2041 Oct | 25.6 | 0.00267 | 0.0288 | 0.000403 | 5.39 | 0.0287 | 3.44 | 0.00000411 | 0.00462 | 0.000265 | 0.00412 | 0.00709 | 0.00000828 | 3.86 | 0.00000479 | 0.0000443 | 0.0000836 | 0.00031 | 0.0086 |
| 2041 Nov | 19.2 | 0.00755 | 0.0109 | 0.000468 | 3.06 | 0.0234 | 2.78 | 0.00000471 | 0.00316 | 0.000208 | 0.00471 | 0.00571 | 0.00000943 | 2.95 | 0.00000237 | 0.0000481 | 0.0000498 | 0.000241 | 0.00547 |
| 2041 Dec | 21.5 | 0.00962 | 0.0138 | 0.000462 | 3.48 | 0.0257 | 3.12 | 0.00000466 | 0.00237 | 0.000222 | 0.00466 | 0.00688 | 0.00000934 | 3.32 | 0.00000235 | 0.0000478 | 0.0000497 | 0.000239 | 0.00555 |
| 2042 Jan | 21.5 | 0.00962 | 0.0138 | 0.000463 | 3.48 | 0.0257 | 3.12 | 0.00000466 | 0.00237 | 0.000222 | 0.00466 | 0.00688 | 0.00000934 | 3.32 | 0.00000235 | 0.0000478 | 0.0000497 | 0.000239 | 0.00555 |
| 2042 Feb | 21.5 | 0.00957 | 0.0142 | 0.000461 | 3.49 | 0.0256 | 3.12 | 0.00000464 | 0.00237 | 0.000223 | 0.00465 | 0.00687 | 0.00000931 | 3.32 | 0.00000234 | 0.0000477 | 0.0000497 | 0.000239 | 0.00558 |
| 2042 Mar | 23.4 | 0.0122 | 0.0126 | 0.000473 | 3.77 | 0.0284 | 3.47 | 0.00000476 | 0.00157 | 0.000234 | 0.00476 | 0.00808 | 0.00000953 | 3.66 | 0.00000239 | 0.0000484 | 0.0000498 | 0.000243 | 0.00539 |
| 2042 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2042 May | 23.8 | 0.00837 | 0.0041 | 0.000494 | 3.7 | 0.0298 | 3.62 | 0.00000495 | 0.0023 | 0.000221 | 0.00495 | 0.00793 | 0.0000099 | 3.54 | 0.00000248 | 0.0000497 | 0.00005 | 0.000248 | 0.00509 |
| 2042 Jun | 28.8 | 0.00948 | 0.0117 | 0.000465 | 6.07 | 0.0341 | 4.01 | 0.00000466 | 0.00152 | 0.000278 | 0.00467 | 0.00966 | 0.00000934 | 4.47 | 0.00000235 | 0.0000475 | 0.0000752 | 0.000238 | 0.00526 |
| 2042 Jul | 19.5 | 0.0027 | 0.0126 | 0.000461 | 3.97 | 0.0242 | 2.65 | 0.00000461 | 0.00434 | 0.000217 | 0.00461 | 0.0065 | 0.00000924 | 3.14 | 0.00000232 | 0.0000473 | 0.0000832 | 0.000237 | 0.0129 |
| 2042 Aug | 20.1 | 0.00258 | 0.014 | 0.000461 | 4.19 | 0.0241 | 2.71 | 0.0000046 | 0.00417 | 0.000227 | 0.0046 | 0.00611 | 0.00000921 | 3.22 | 0.00000232 | 0.0000473 | 0.0000499 | 0.000238 | 0.0122 |
| 2042 Sep | 20.8 | 0.00825 | 0.0152 | 0.000457 | 4.04 | 0.0241 | 3.02 | 0.00000456 | 0.00338 | 0.000218 | 0.00456 | 0.00604 | 0.00000914 | 3.28 | 0.0000023 | 0.000047 | 0.0000497 | 0.000236 | 0.0112 |
| 2042 Oct | 25.1 | 0.00252 | 0.0329 | 0.000388 | 5.26 | 0.0269 | 3.3 | 0.00000389 | 0.0044 | 0.000254 | 0.0039 | 0.00681 | 0.00000783 | 3.75 | 0.00000439 | 0.0000423 | 0.0000777 | 0.000292 | 0.00873 |
| 2042 Nov | 20.2 | 0.00648 | 0.0224 | 0.000425 | 3.45 | 0.0221 | 2.78 | 0.00000425 | 0.00302 | 0.000213 | 0.00426 | 0.00576 | 0.00000855 | 3.04 | 0.0000022 | 0.0000449 | 0.0000484 | 0.000227 | 0.00623 |
| 2042 Dec | 21.4 | 0.0094 | 0.0148 | 0.000459 | 3.48 | 0.0253 | 3.08 | 0.0000046 | 0.00239 | 0.000219 | 0.0046 | 0.00679 | 0.00000921 | 3.29 | 0.00000234 | 0.0000472 | 0.0000491 | 0.000238 | 0.00567 |
| 2043 Jan | 21.3 | 0.00948 | 0.0141 | 0.000462 | 3.46 | 0.0254 | 3.09 | 0.00000462 | 0.00239 | 0.000219 | 0.00462 | 0.00679 | 0.00000926 | 3.29 | 0.00000235 | 0.0000474 | 0.0000492 | 0.000238 | 0.00562 |
| 2043 Feb | 21.3 | 0.00948 | 0.0141 | 0.000462 | 3.46 | 0.0254 | 3.09 | 0.00000462 | 0.00239 | 0.000219 | 0.00462 | 0.00679 | 0.00000926 | 3.29 | 0.00000235 | 0.0000474 | 0.0000492 | 0.000238 | 0.00563 |
| 2043 Mar | 23.3 | 0.0123 | 0.0117 | 0.000477 | 3.72 | 0.0284 | 3.45 | 0.00000477 | 0.00158 | 0.000231 | 0.00477 | 0.00805 | 0.00000955 | 3.64 | 0.00000241 | 0.0000484 | 0.0000495 | 0.000243 | 0.00538 |
| 2043 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2043 May | 23.7 | 0.00836 | 0.0041 | 0.000494 | 3.69 | 0.0297 | 3.61 | 0.00000494 | 0.0023 | 0.00022 | 0.00494 | 0.00791 | 0.00000988 | 3.54 | 0.00000248 | 0.0000496 | 0.0000498 | 0.000248 | 0.00509 |
| 2043 Jun | 28.6 | 0.0093 | 0.0129 | 0.00046 | 5.97 | 0.0335 | 3.96 | 0.0000046 | 0.00155 | 0.000273 | 0.0046 | 0.00951 | 0.00000921 | 4.41 | 0.00000233 | 0.0000469 | 0.0000734 | 0.000236 | 0.00526 |
| 2043 Jul | 18.3 | 0.00252 | 0.00333 | 0.000497 | 3.71 | 0.0249 | 2.56 | 0.00000497 | 0.00481 | 0.00021 | 0.00497 | 0.0064 | 0.00000994 | 3.04 | 0.00000249 | 0.0000498 | 0.0000894 | 0.000249 | 0.0139 |
| 2043 Aug | 20 | 0.00267 | 0.0121 | 0.000466 | 4.13 | 0.0242 | 2.7 | 0.00000466 | 0.00422 | 0.000223 | 0.00466 | 0.00609 | 0.00000933 | 3.2 | 0.00000235 | 0.0000476 | 0.0000492 | 0.00024 | 0.0122 |
| 2043 Sep | 21 | 0.0081 | 0.017 | 0.000447 | 4.06 | 0.0238 | 3.01 | 0.00000447 | 0.00331 | 0.000216 | 0.00447 | 0.00605 | 0.00000896 | 3.28 | 0.00000226 | 0.0000463 | 0.0000485 | 0.000233 | 0.011 |
| 2043 Oct | 25.4 | 0.00257 | 0.0115 | 0.000472 | 5.38 | 0.0327 | 3.57 | 0.00000472 | 0.00564 | 0.000262 | 0.00472 | 0.00722 | 0.00000946 | 3.94 | 0.00000617 | 0.000048 | 0.0000978 | 0.000365 | 0.00848 |
| 2043 Nov | 18.2 | 0.0082 | 0.0025 | 0.0005 | 2.73 | 0.024 | 2.73 | 0.000005 | 0.0033 | 0.0002 | 0.005 | 0.00556 | 0.00001 | 2.85 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2043 Dec | 21 | 0.0104 | 0.00739 | 0.000488 | 3.26 | 0.0264 | 3.12 | 0.00000488 | 0.00239 | 0.000216 | 0.00488 | 0.00688 | 0.00000977 | 3.27 | 0.00000245 | 0.0000492 | 0.0000497 | 0.000246 | 0.00517 |
| 2044 Jan | 21.3 | 0.00985 | 0.0117 | 0.000472 | 3.41 | 0.0258 | 3.11 | 0.00000472 | 0.00237 | 0.000218 | 0.00472 | 0.00687 | 0.00000945 | 3.3 | 0.00000238 | 0.000048 | 0.0000492 | 0.000241 | 0.0054 |
| 2044 Feb | 20.9 | 0.0105 | 0.00631 | 0.000492 | 3.22 | 0.0265 | 3.12 | 0.00000492 | 0.00239 | 0.000216 | 0.00492 | 0.00689 | 0.00000985 | 3.27 | 0.00000247 | 0.0000495 | 0.0000498 | 0.000248 | 0.00511 |
| 2044 Mar | 23.1 | 0.0131 | 0.0069 | 0.000496 | 3.61 | 0.0293 | 3.5 | 0.00000496 | 0.00151 | 0.00023 | 0.00496 | 0.00821 | 0.00000993 | 3.66 | 0.00000248 | 0.0000497 | 0.0000499 | 0.000249 | 0.00505 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2044 May | 23.8 | 0.0084 | 0.00375 | 0.000496 | 3.69 | 0.0298 | 3.62 | 0.00000496 | 0.0023 | 0.00022 | 0.00496 | 0.00793 | 0.00000991 | 3.54 | 0.00000248 | 0.0000497 | 0.0000499 | 0.000249 | 0.00507 |
| 2044 Jun | 28.6 | 0.00926 | 0.013 | 0.000459 | 6.01 | 0.0335 | 3.96 | 0.00000458 | 0.00153 | 0.000273 | 0.00458 | 0.00952 | 0.00000917 | 4.42 | 0.00000231 | 0.0000467 | 0.0000735 | 0.000235 | 0.00527 |
| 2044 Jul | 18.6 | 0.00256 | 0.00518 | 0.000489 | 3.76 | 0.0248 | 2.57 | 0.00000489 | 0.0047 | 0.000211 | 0.00489 | 0.00642 | 0.00000978 | 3.06 | 0.00000245 | 0.0000492 | 0.0000879 | 0.000246 | 0.0137 |
| 2044 Aug | 19.2 | 0.00257 | 0.00564 | 0.000489 | 4.01 | 0.0248 | 2.66 | 0.00000489 | 0.00446 | 0.000221 | 0.00489 | 0.00602 | 0.00000978 | 3.16 | 0.00000245 | 0.0000492 | 0.0000499 | 0.000246 | 0.0127 |
| 2044 Sep | 20.9 | 0.00842 | 0.014 | 0.00046 | 4.04 | 0.0243 | 3.02 | 0.00000457 | 0.00333 | 0.000215 | 0.00457 | 0.00608 | 0.00000915 | 3.28 | 0.0000023 | 0.0000469 | 0.0000493 | 0.000236 | 0.011 |
| 2044 Oct | 25.5 | 0.00285 | 0.0324 | 0.000393 | 5.34 | 0.0272 | 3.33 | 0.00000386 | 0.00418 | 0.000248 | 0.00387 | 0.00697 | 0.00000776 | 3.79 | 0.00000427 | 0.0000416 | 0.0000764 | 0.000287 | 0.00826 |
| 2044 Nov | 20.7 | 0.00647 | 0.0234 | 0.000423 | 3.6 | 0.0223 | 2.81 | 0.00000418 | 0.00289 | 0.00021 | 0.00418 | 0.0059 | 0.00000838 | 3.1 | 0.00000216 | 0.000044 | 0.0000483 | 0.000224 | 0.00604 |
| 2044 Dec | 21.6 | 0.00942 | 0.0147 | 0.00046 | 3.52 | 0.0254 | 3.09 | 0.00000458 | 0.00235 | 0.000217 | 0.00458 | 0.00684 | 0.00000917 | 3.31 | 0.00000233 | 0.0000469 | 0.0000491 | 0.000237 | 0.00554 |
| 2045 Jan | 21.5 | 0.00956 | 0.0135 | 0.000465 | 3.48 | 0.0255 | 3.1 | 0.00000462 | 0.00235 | 0.000217 | 0.00463 | 0.00685 | 0.00000926 | 3.3 | 0.00000235 | 0.0000472 | 0.0000492 | 0.000238 | 0.00548 |
| 2045 Feb | 21.5 | 0.00957 | 0.0134 | 0.000465 | 3.48 | 0.0256 | 3.1 | 0.00000463 | 0.00235 | 0.000217 | 0.00463 | 0.00685 | 0.00000927 | 3.3 | 0.00000235 | 0.0000473 | 0.0000492 | 0.000238 | 0.00547 |
| 2045 Mar | 23.1 | 0.0132 | 0.00624 | 0.000499 | 3.59 | 0.0294 | 3.51 | 0.00000499 | 0.0015 | 0.00023 | 0.00499 | 0.00823 | 0.00000998 | 3.66 | 0.0000025 | 0.0000499 | 0.00005 | 0.00025 | 0.00502 |
| 2045 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2045 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2045 Jun | 28.8 | 0.00947 | 0.0114 | 0.000467 | 6.08 | 0.0341 | 4 | 0.00000466 | 0.00154 | 0.000275 | 0.00466 | 0.00965 | 0.00000933 | 4.47 | 0.00000236 | 0.0000473 | 0.0000752 | 0.000238 | 0.00524 |
| 2045 Jul | 18.2 | 0.0025 | 0.00266 | 0.000499 | 3.69 | 0.025 | 2.55 | 0.00000499 | 0.00484 | 0.00021 | 0.00499 | 0.0064 | 0.00000998 | 3.04 | 0.0000025 | 0.0000499 | 0.0000899 | 0.00025 | 0.014 |
| 2045 Aug | 19 | 0.00254 | 0.00376 | 0.000495 | 3.96 | 0.0249 | 2.64 | 0.00000495 | 0.00454 | 0.00022 | 0.00495 | 0.00598 | 0.0000099 | 3.14 | 0.00000248 | 0.0000496 | 0.00005 | 0.000248 | 0.0129 |
| 2045 Sep | 20 | 0.00923 | 0.00562 | 0.000488 | 3.82 | 0.025 | 3.02 | 0.00000488 | 0.00355 | 0.000211 | 0.00488 | 0.00595 | 0.00000976 | 3.22 | 0.00000245 | 0.0000491 | 0.00005 | 0.000246 | 0.0115 |
| 2045 Oct | 25.3 | 0.0025 | 0.0041 | 0.0005 | 5.4 | 0.0345 | 3.64 | 0.000005 | 0.0061 | 0.000265 | 0.005 | 0.0073 | 0.00001 | 3.98 | 0.0000068 | 0.00005 | 0.000105 | 0.00039 | 0.0085 |
| 2045 Nov | 18.2 | 0.0082 | 0.0025 | 0.0005 | 2.73 | 0.024 | 2.73 | 0.000005 | 0.0033 | 0.0002 | 0.005 | 0.00556 | 0.00001 | 2.85 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2045 Dec | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Jan | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Feb | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Jun | 30.5 | 0.00897 | 0.0231 | 0.000442 | 6.4 | 0.0336 | 4.13 | 0.00000451 | 0.00163 | 0.000367 | 0.00451 | 0.0098 | 0.00000904 | 4.64 | 0.0000023 | 0.0000472 | 0.0000746 | 0.00024 | 0.00592 |
| 2046 Jul | 23.8 | 0.00251 | 0.0321 | 0.000439 | 4.84 | 0.0251 | 3.14 | 0.00000452 | 0.00447 | 0.000484 | 0.00452 | 0.00726 | 0.00000908 | 3.68 | 0.00000235 | 0.0000489 | 0.0000847 | 0.000252 | 0.014 |
| 2046 Aug | 24.4 | 0.00246 | 0.0322 | 0.000443 | 5.03 | 0.0252 | 3.22 | 0.00000454 | 0.00432 | 0.000526 | 0.00454 | 0.00692 | 0.00000912 | 3.76 | 0.00000236 | 0.0000492 | 0.0000536 | 0.000254 | 0.0133 |
| 2046 Sep | 26.7 | 0.00693 | 0.0447 | 0.000418 | 5.23 | 0.0247 | 3.71 | 0.00000423 | 0.00358 | 0.000766 | 0.00424 | 0.00709 | 0.00000853 | 4 | 0.00000227 | 0.0000482 | 0.0000542 | 0.000254 | 0.0126 |
| 2046 Oct | 35.7 | 0.00202 | 0.0911 | 0.000347 | 7.21 | 0.0262 | 4.74 | 0.00000332 | 0.00426 | 0.00163 | 0.00333 | 0.00864 | 0.0000068 | 5.06 | 0.00000318 | 0.0000463 | 0.000073 | 0.0003 | 0.0131 |
| 2046 Nov | 30.1 | 0.00466 | 0.0696 | 0.000387 | 5.6 | 0.0237 | 4.09 | 0.00000374 | 0.00349 | 0.0013 | 0.00374 | 0.00756 | 0.0000076 | 4.32 | 0.00000216 | 0.0000474 | 0.0000566 | 0.000261 | 0.0105 |
| 2046 Dec | 28 | 0.00732 | 0.0501 | 0.000422 | 4.98 | 0.0255 | 3.92 | 0.00000413 | 0.00288 | 0.000973 | 0.00413 | 0.00777 | 0.00000834 | 4.12 | 0.00000227 | 0.0000482 | 0.0000546 | 0.000258 | 0.0088 |
| 2047 Jan | 25.3 | 0.00859 | 0.0331 | 0.000451 | 4.31 | 0.0259 | 3.62 | 0.00000445 | 0.0027 | 0.000694 | 0.00445 | 0.00745 | 0.00000895 | 3.8 | 0.00000235 | 0.0000489 | 0.0000529 | 0.000255 | 0.0074 |
| 2047 Feb | 24.4 | 0.009 | 0.0277 | 0.00046 | 4.09 | 0.0261 | 3.53 | 0.00000455 | 0.00265 | 0.000603 | 0.00456 | 0.00735 | 0.00000915 | 3.7 | 0.00000238 | 0.0000491 | 0.0000524 | 0.000254 | 0.00695 |
| 2047 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2047 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2047 May | 24.4 | 0.00809 | 0.00877 | 0.00049 | 3.85 | 0.0295 | 3.71 | 0.00000484 | 0.00237 | 0.000365 | 0.00484 | 0.00797 | 0.0000097 | 3.63 | 0.00000246 | 0.0000495 | 0.0000504 | 0.00025 | 0.00551 |
| 2047 Jun | 31.3 | 0.00884 | 0.0254 | 0.000486 | 6.44 | 0.0341 | 4.55 | 0.00000453 | 0.00201 | 0.000992 | 0.00453 | 0.00994 | 0.00000912 | 4.81 | 0.00000243 | 0.0000498 | 0.0000772 | 0.000261 | 0.00706 |
| 2047 Jul | 19.3 | 0.00253 | 0.00791 | 0.000496 | 3.89 | 0.0251 | 2.75 | 0.00000489 | 0.00482 | 0.000409 | 0.00489 | 0.00657 | 0.0000098 | 3.18 | 0.00000249 | 0.0000501 | 0.0000891 | 0.000254 | 0.0141 |
| 2047 Aug | 20.8 | 0.00255 | 0.0123 | 0.000492 | 4.27 | 0.0252 | 2.98 | 0.00000481 | 0.00457 | 0.000584 | 0.00481 | 0.0063 | 0.00000965 | 3.37 | 0.00000248 | 0.0000503 | 0.0000522 | 0.000257 | 0.0133 |
| 2047 Sep | 26.5 | 0.00656 | 0.0414 | 0.000441 | 5.05 | 0.025 | 4.19 | 0.00000406 | 0.00381 | 0.00172 | 0.00407 | 0.00711 | 0.00000826 | 4.07 | 0.00000236 | 0.0000496 | 0.0000579 | 0.000272 | 0.0131 |
| 2047 Oct | 31.4 | 0.00258 | 0.0619 | 0.000393 | 6.18 | 0.0273 | 4.97 | 0.0000035 | 0.00464 | 0.00257 | 0.0035 | 0.00806 | 0.00000719 | 4.71 | 0.00000358 | 0.0000487 | 0.0000783 | 0.000324 | 0.0128 |
| 2047 Nov | 25.3 | 0.0057 | 0.0401 | 0.000431 | 4.41 | 0.0241 | 3.98 | 0.00000404 | 0.00362 | 0.00171 | 0.00404 | 0.00681 | 0.00000821 | 3.82 | 0.00000236 | 0.0000492 | 0.0000574 | 0.00027 | 0.00932 |
| 2047 Dec | 24.8 | 0.00824 | 0.0297 | 0.000452 | 4.18 | 0.026 | 3.87 | 0.00000434 | 0.0029 | 0.00125 | 0.00434 | 0.00735 | 0.00000876 | 3.8 | 0.0000024 | 0.0000495 | 0.0000551 | 0.000264 | 0.00798 |
| 2048 Jan | 23.8 | 0.00887 | 0.0233 | 0.000464 | 3.93 | 0.0262 | 3.68 | 0.0000045 | 0.00278 | 0.000993 | 0.0045 | 0.00724 | 0.00000907 | 3.66 | 0.00000243 | 0.0000496 | 0.0000539 | 0.00026 | 0.00724 |
| 2048 Feb | 23.5 | 0.00907 | 0.0213 | 0.000468 | 3.85 | 0.0262 | 3.62 | 0.00000456 | 0.00274 | 0.000911 | 0.00456 | 0.0072 | 0.00000917 | 3.62 | 0.00000243 | 0.0000496 | 0.0000534 | 0.000259 | 0.007 |
| 2048 Mar | 25.8 | 0.0107 | 0.0257 | 0.000462 | 4.29 | 0.0282 | 4.01 | 0.00000448 | 0.00211 | 0.00105 | 0.00448 | 0.00827 | 0.00000902 | 3.99 | 0.00000242 | 0.0000496 | 0.0000541 | 0.000261 | 0.00737 |
| 2048 Apr | 21 | 0.00611 | 0.00346 | 0.000498 | 1.64 | 0.0334 | 3.75 | 0.00000498 | 0.00153 | 0.000273 | 0.00498 | 0.00669 | 0.00000995 | 3 | 0.0000025 | 0.00005 | 0.0000502 | 0.000251 | 0.00511 |
| 2048 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2048 Jun | 30.6 | 0.00857 | 0.0226 | 0.000456 | 6.3 | 0.0339 | 4.58 | 0.00000447 | 0.00208 | 0.0012 | 0.00447 | 0.00979 | 0.00000902 | 4.75 | 0.00000243 | 0.0000498 | 0.0000778 | 0.000263 | 0.00721 |
| 2048 Jul | 21.9 | 0.00243 | 0.02 | 0.000465 | 4.33 | 0.0253 | 3.38 | 0.00000454 | 0.00478 | 0.00122 | 0.00454 | 0.00694 | 0.00000916 | 3.54 | 0.00000248 | 0.0000506 | 0.0000872 | 0.000268 | 0.0144 |
| 2048 Aug | 20.1 | 0.00247 | 0.00871 | 0.000487 | 4.14 | 0.0251 | 2.92 | 0.00000484 | 0.0046 | 0.000582 | 0.00484 | 0.00618 | 0.00000971 | 3.3 | 0.0000025 | 0.0000503 | 0.0000521 | 0.000257 | 0.0133 |
| 2048 Sep | 23.4 | 0.00783 | 0.0215 | 0.000459 | 4.42 | 0.0257 | 3.82 | 0.00000453 | 0.00389 | 0.00132 | 0.00453 | 0.00661 | 0.00000915 | 3.71 | 0.00000249 | 0.000051 | 0.0000566 | 0.000272 | 0.0129 |
| 2048 Oct | 29.2 | 0.00211 | 0.0426 | 0.000374 | 5.77 | 0.0293 | 4.88 | 0.00000381 | 0.00524 | 0.00259 | 0.00381 | 0.00777 | 0.00000781 | 4.51 | 0.00000445 | 0.0000502 | 0.000088 | 0.000353 | 0.0123 |
| 2048 Nov | 28.5 | 0.00314 | 0.0558 | 0.000311 | 5.19 | 0.0245 | 5.05 | 0.00000332 | 0.00428 | 0.00341 | 0.00332 | 0.00737 | 0.00000689 | 4.37 | 0.00000258 | 0.0000496 | 0.0000679 | 0.000305 | 0.0128 |
| 2048 Dec | 26.6 | 0.00581 | 0.0409 | 0.000367 | 4.66 | 0.0256 | 4.55 | 0.00000382 | 0.00359 | 0.00247 | 0.00382 | 0.00746 | 0.00000781 | 4.11 | 0.00000256 | 0.0000498 | 0.0000627 | 0.000289 | 0.0105 |
| 2049 Jan | 25 | 0.00719 | 0.0307 | 0.000404 | 4.24 | 0.0259 | 4.15 | 0.00000415 | 0.00326 | 0.00185 | 0.00415 | 0.0073 | 0.00000842 | 3.87 | 0.00000254 | 0.0000498 | 0.0000592 | 0.000278 | 0.00896 |
| 2049 Feb | 23.3 | 0.00855 | 0.0206 | 0.000441 | 3.82 | 0.0262 | 3.76 | 0.00000448 | 0.00293 | 0.00122 | 0.00447 | 0.00715 | 0.00000903 | 3.64 | 0.00000253 | 0.0000499 | 0.0000557 | 0.000267 | 0.00745 |
| 2049 Mar | 24 | 0.0121 | 0.013 | 0.000474 | 3.83 | 0.029 | 3.75 | 0.00000477 | 0.00183 | 0.000673 | 0.00477 | 0.0082 | 0.00000957 | 3.79 | 0.00000251 | 0.00005 | 0.0000525 | 0.000258 | 0.00608 |
| 2049 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2049 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2049 Jun | 30.1 | 0.00845 | 0.0207 | 0.000441 | 6.18 | 0.0337 | 4.59 | 0.00000444 | 0.00215 | 0.00131 | 0.00444 | 0.00968 | 0.00000895 | 4.7 | 0.00000245 | 0.0000497 | 0.0000779 | 0.000265 | 0.00728 |
| 2049 Jul | 22.4 | 0.00236 | 0.0226 | 0.00044 | 4.4 | 0.0253 | 3.57 | 0.0000044 | 0.0048 | 0.00153 | 0.0044 | 0.007 | 0.0000089 | 3.62 | 0.00000247 | 0.0000507 | 0.0000864 | 0.000274 | 0.0146 |
| 2049 Aug | 21.8 | 0.00235 | 0.0176 | 0.000459 | 4.4 | 0.0253 | 3.39 | 0.00000456 | 0.00464 | 0.00121 | 0.00456 | 0.00649 | 0.0000092 | 3.54 | 0.00000249 | 0.0000506 | 0.0000556 | 0.000269 | 0.0137 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 23.5 | 0.0067 | 0.0258 | 0.000432 | 4.42 | 0.0249 | 3.98 | 0.00000422 | 0.00401 | 0.00176 | 0.00422 | 0.00656 | 0.00000855 | 3.74 | 0.00000243 | 0.00005 | 0.0000575 | 0.000275 | 0.0132 |
| 2049 Oct | 28.2 | 0.00189 | 0.0436 | 0.000367 | 5.5 | 0.0278 | 4.9 | 0.0000036 | 0.0052 | 0.00293 | 0.00359 | 0.00748 | 0.00000739 | 4.39 | 0.00000398 | 0.0000496 | 0.0000828 | 0.000345 | 0.013 |
| 2049 Nov | 25.1 | 0.0043 | 0.0403 | 0.000373 | 4.39 | 0.0239 | 4.44 | 0.0000037 | 0.00412 | 0.00272 | 0.0037 | 0.00676 | 0.00000759 | 3.9 | 0.00000242 | 0.0000497 | 0.0000617 | 0.000291 | 0.0112 |
| 2049 Dec | 24 | 0.00752 | 0.0263 | 0.000424 | 4 | 0.0258 | 4.01 | 0.00000422 | 0.00321 | 0.00172 | 0.00422 | 0.00715 | 0.00000856 | 3.74 | 0.00000245 | 0.0000499 | 0.000057 | 0.000275 | 0.00874 |
| 2050 Jan | 23.2 | 0.00834 | 0.0207 | 0.000443 | 3.79 | 0.026 | 3.78 | 0.00000442 | 0.003 | 0.00134 | 0.00442 | 0.00709 | 0.00000892 | 3.62 | 0.00000246 | 0.0000499 | 0.0000553 | 0.000268 | 0.00779 |
| 2050 Feb | 22.5 | 0.00898 | 0.0163 | 0.000458 | 3.62 | 0.0262 | 3.61 | 0.00000458 | 0.00284 | 0.00104 | 0.00457 | 0.00704 | 0.00000921 | 3.52 | 0.00000247 | 0.0000499 | 0.0000539 | 0.000264 | 0.00704 |
| 2050 Mar | 24.6 | 0.0108 | 0.0191 | 0.000453 | 4.01 | 0.0283 | 3.97 | 0.00000452 | 0.00219 | 0.00115 | 0.00452 | 0.0081 | 0.00000912 | 3.87 | 0.00000247 | 0.0000499 | 0.0000543 | 0.000265 | 0.00729 |
| 2050 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2050 May | 23.7 | 0.00847 | 0.00275 | 0.000499 | 3.67 | 0.03 | 3.64 | 0.00000499 | 0.00231 | 0.000237 | 0.00499 | 0.00795 | 0.00000998 | 3.54 | 0.0000025 | 0.00005 | 0.0000501 | 0.00025 | 0.00504 |
| 2050 Jun | 29.7 | 0.00877 | 0.0166 | 0.000456 | 6.13 | 0.034 | 4.45 | 0.00000453 | 0.00203 | 0.00108 | 0.00453 | 0.00969 | 0.00000912 | 4.64 | 0.00000244 | 0.0000494 | 0.0000777 | 0.000261 | 0.00681 |
| 2050 Jul | 22.3 | 0.00242 | 0.0222 | 0.000455 | 4.39 | 0.0253 | 3.55 | 0.00000437 | 0.00475 | 0.00151 | 0.00437 | 0.00698 | 0.00000884 | 3.61 | 0.00000245 | 0.0000503 | 0.0000859 | 0.000273 | 0.0144 |
| 2050 Aug | 19.8 | 0.00247 | 0.00732 | 0.000489 | 4.08 | 0.0251 | 2.87 | 0.00000485 | 0.0046 | 0.000539 | 0.00485 | 0.00613 | 0.00000973 | 3.26 | 0.00000249 | 0.0000501 | 0.0000519 | 0.000256 | 0.0132 |
| 2050 Sep | 25.4 | 0.0058 | 0.0346 | 0.000408 | 4.78 | 0.0252 | 4.38 | 0.00000396 | 0.0041 | 0.00234 | 0.00395 | 0.00696 | 0.00000807 | 4 | 0.00000241 | 0.0000502 | 0.0000618 | 0.000286 | 0.0137 |
| 2050 Oct | 27.3 | 0.00228 | 0.0256 | 0.000434 | 5.56 | 0.0313 | 4.37 | 0.00000428 | 0.0056 | 0.00171 | 0.00428 | 0.00756 | 0.00000867 | 4.27 | 0.0000053 | 0.0000502 | 0.0000946 | 0.000368 | 0.0109 |
| 2050 Nov | 18.9 | 0.00786 | 0.00603 | 0.00049 | 2.9 | 0.0241 | 2.9 | 0.00000489 | 0.00337 | 0.000435 | 0.00489 | 0.0057 | 0.00000979 | 2.96 | 0.00000249 | 0.00005 | 0.0000513 | 0.000254 | 0.00558 |
| 2050 Dec | 21.9 | 0.00972 | 0.0117 | 0.000477 | 3.47 | 0.0266 | 3.43 | 0.00000475 | 0.00266 | 0.00072 | 0.00475 | 0.00703 | 0.00000954 | 3.44 | 0.00000248 | 0.0000501 | 0.0000528 | 0.000259 | 0.00625 |
| 2051 Jan | 22 | 0.0097 | 0.0118 | 0.000477 | 3.48 | 0.0266 | 3.44 | 0.00000475 | 0.00266 | 0.00073 | 0.00475 | 0.00704 | 0.00000954 | 3.44 | 0.00000248 | 0.0000501 | 0.0000528 | 0.000259 | 0.00628 |
| 2051 Feb | 21.8 | 0.00984 | 0.0108 | 0.00048 | 3.43 | 0.0266 | 3.4 | 0.00000478 | 0.00263 | 0.000662 | 0.00478 | 0.00702 | 0.0000096 | 3.42 | 0.00000248 | 0.0000501 | 0.0000525 | 0.000258 | 0.00611 |
| 2051 Mar | 23.9 | 0.0123 | 0.0116 | 0.000482 | 3.79 | 0.0291 | 3.72 | 0.00000481 | 0.00178 | 0.000625 | 0.00481 | 0.00822 | 0.00000964 | 3.77 | 0.00000248 | 0.0000501 | 0.0000522 | 0.000257 | 0.00598 |
| 2051 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2051 May | 23.8 | 0.00835 | 0.00388 | 0.000495 | 3.7 | 0.0298 | 3.67 | 0.00000495 | 0.00235 | 0.000311 | 0.00495 | 0.00794 | 0.0000099 | 3.56 | 0.00000249 | 0.0000499 | 0.0000504 | 0.000251 | 0.00522 |
| 2051 Jun | 29.8 | 0.00827 | 0.0208 | 0.00044 | 6.1 | 0.0333 | 4.55 | 0.00000439 | 0.00221 | 0.00133 | 0.00439 | 0.00958 | 0.00000886 | 4.65 | 0.00000242 | 0.0000494 | 0.0000772 | 0.000265 | 0.00745 |
| 2051 Jul | 20.1 | 0.00246 | 0.0114 | 0.000468 | 4.02 | 0.0252 | 3 | 0.00000473 | 0.00483 | 0.00079 | 0.00473 | 0.00668 | 0.00000949 | 3.3 | 0.00000248 | 0.0000502 | 0.0000884 | 0.000261 | 0.0142 |
| 2051 Aug | 22.7 | 0.00233 | 0.0223 | 0.000428 | 4.55 | 0.0253 | 3.6 | 0.00000437 | 0.00462 | 0.00151 | 0.00437 | 0.00666 | 0.00000883 | 3.66 | 0.00000245 | 0.0000503 | 0.0000575 | 0.000274 | 0.0138 |
| 2051 Sep | 23.9 | 0.00642 | 0.0276 | 0.000406 | 4.52 | 0.0251 | 4.04 | 0.00000414 | 0.00404 | 0.00185 | 0.00413 | 0.00669 | 0.00000839 | 3.79 | 0.00000241 | 0.0000498 | 0.0000587 | 0.000278 | 0.0132 |
| 2051 Oct | 27.8 | 0.00192 | 0.0425 | 0.000358 | 5.43 | 0.0274 | 4.75 | 0.00000353 | 0.0051 | 0.00278 | 0.00352 | 0.00741 | 0.00000724 | 4.31 | 0.00000382 | 0.0000485 | 0.0000811 | 0.000338 | 0.0128 |
| 2051 Nov | 26.1 | 0.00335 | 0.046 | 0.000353 | 4.7 | 0.0238 | 4.6 | 0.00000337 | 0.00428 | 0.00301 | 0.00337 | 0.00692 | 0.00000695 | 4.03 | 0.0000024 | 0.0000483 | 0.000064 | 0.000296 | 0.0123 |
| 2051 Dec | 24.5 | 0.00661 | 0.0304 | 0.00041 | 4.18 | 0.0254 | 4.11 | 0.000004 | 0.00342 | 0.00195 | 0.00399 | 0.00714 | 0.00000812 | 3.8 | 0.00000244 | 0.000049 | 0.0000587 | 0.000279 | 0.00952 |
| 2052 Jan | 23.2 | 0.008 | 0.0216 | 0.00044 | 3.84 | 0.0259 | 3.78 | 0.00000433 | 0.00308 | 0.00137 | 0.00433 | 0.00706 | 0.00000875 | 3.62 | 0.00000246 | 0.0000493 | 0.0000558 | 0.000269 | 0.00801 |
| 2052 Feb | 22.3 | 0.00898 | 0.0154 | 0.000462 | 3.59 | 0.0262 | 3.54 | 0.00000457 | 0.00283 | 0.000956 | 0.00457 | 0.007 | 0.0000092 | 3.49 | 0.00000248 | 0.0000496 | 0.0000537 | 0.000262 | 0.00693 |
| 2052 Mar | 23.3 | 0.0129 | 0.008 | 0.000493 | 3.65 | 0.0293 | 3.58 | 0.00000492 | 0.00162 | 0.00037 | 0.00492 | 0.00821 | 0.00000985 | 3.69 | 0.0000025 | 0.0000499 | 0.0000507 | 0.000252 | 0.00537 |
| 2052 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2052 May | 24.9 | 0.00709 | 0.0149 | 0.000461 | 4.03 | 0.0288 | 3.99 | 0.00000455 | 0.00279 | 0.00102 | 0.00455 | 0.00787 | 0.00000916 | 3.74 | 0.00000248 | 0.0000496 | 0.0000541 | 0.000264 | 0.00708 |
| 2052 Jun | 29.6 | 0.00846 | 0.0183 | 0.000448 | 6.08 | 0.0335 | 4.45 | 0.00000445 | 0.00212 | 0.00115 | 0.00445 | 0.00958 | 0.00000896 | 4.61 | 0.00000242 | 0.0000491 | 0.0000771 | 0.000262 | 0.00709 |
| 2052 Jul | 19.3 | 0.0025 | 0.00758 | 0.000484 | 3.87 | 0.0251 | 2.8 | 0.00000483 | 0.00481 | 0.000527 | 0.00483 | 0.00656 | 0.00000969 | 3.18 | 0.00000248 | 0.00005 | 0.0000888 | 0.000256 | 0.0141 |
| 2052 Aug | 21.4 | 0.00247 | 0.0154 | 0.000462 | 4.35 | 0.0252 | 3.25 | 0.00000459 | 0.00457 | 0.00102 | 0.00459 | 0.00644 | 0.00000923 | 3.48 | 0.00000246 | 0.00005 | 0.0000549 | 0.000265 | 0.0134 |
| 2052 Sep | 23.1 | 0.00735 | 0.0214 | 0.000444 | 4.38 | 0.0253 | 3.78 | 0.00000438 | 0.00388 | 0.00139 | 0.00437 | 0.00657 | 0.00000883 | 3.67 | 0.00000243 | 0.0000498 | 0.0000569 | 0.00027 | 0.0128 |
| 2052 Oct | 28.4 | 0.00229 | 0.0381 | 0.000394 | 5.64 | 0.0293 | 4.69 | 0.00000382 | 0.00516 | 0.00241 | 0.00381 | 0.00772 | 0.00000778 | 4.4 | 0.00000426 | 0.0000494 | 0.0000867 | 0.000348 | 0.0122 |
| 2052 Nov | 22.1 | 0.00635 | 0.0216 | 0.000442 | 3.68 | 0.0243 | 3.58 | 0.00000435 | 0.00364 | 0.00139 | 0.00435 | 0.00632 | 0.00000879 | 3.43 | 0.00000243 | 0.0000497 | 0.0000568 | 0.00027 | 0.00808 |
| 2052 Dec | 23.2 | 0.00862 | 0.0193 | 0.000453 | 3.82 | 0.0263 | 3.71 | 0.00000448 | 0.0029 | 0.00118 | 0.00447 | 0.00718 | 0.00000902 | 3.62 | 0.00000244 | 0.0000497 | 0.0000555 | 0.000266 | 0.0075 |
| 2053 Jan | 23.1 | 0.00869 | 0.0187 | 0.000455 | 3.79 | 0.0264 | 3.69 | 0.0000045 | 0.00288 | 0.00114 | 0.00449 | 0.00717 | 0.00000906 | 3.61 | 0.00000244 | 0.0000497 | 0.0000553 | 0.000266 | 0.00741 |
| 2053 Feb | 22.4 | 0.00928 | 0.0146 | 0.000468 | 3.61 | 0.0265 | 3.53 | 0.00000464 | 0.00275 | 0.000877 | 0.00464 | 0.00709 | 0.00000933 | 3.51 | 0.00000246 | 0.0000498 | 0.0000538 | 0.000261 | 0.00672 |
| 2053 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2053 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2053 May | 24.9 | 0.00708 | 0.0152 | 0.000453 | 4.04 | 0.0286 | 3.97 | 0.00000451 | 0.00272 | 0.00101 | 0.00451 | 0.00786 | 0.00000908 | 3.74 | 0.00000243 | 0.0000492 | 0.0000538 | 0.000261 | 0.00702 |
| 2053 Jun | 29.8 | 0.0084 | 0.0199 | 0.000451 | 6.11 | 0.0335 | 4.48 | 0.00000442 | 0.00219 | 0.0012 | 0.00442 | 0.00961 | 0.0000089 | 4.64 | 0.00000241 | 0.0000492 | 0.0000772 | 0.000264 | 0.00729 |
| 2053 Jul | 18.9 | 0.0025 | 0.00586 | 0.000493 | 3.81 | 0.0251 | 2.71 | 0.0000049 | 0.00484 | 0.000411 | 0.0049 | 0.00651 | 0.00000981 | 3.13 | 0.00000249 | 0.00005 | 0.0000893 | 0.000254 | 0.0141 |
| 2053 Aug | 20.7 | 0.00248 | 0.0116 | 0.000482 | 4.24 | 0.0253 | 3.06 | 0.00000474 | 0.00462 | 0.000763 | 0.00474 | 0.00632 | 0.00000951 | 3.38 | 0.00000248 | 0.0000502 | 0.0000536 | 0.000262 | 0.0134 |
| 2053 Sep | 23.4 | 0.00755 | 0.0214 | 0.00046 | 4.43 | 0.0257 | 3.8 | 0.00000444 | 0.00395 | 0.00135 | 0.00444 | 0.00665 | 0.00000896 | 3.71 | 0.00000246 | 0.0000504 | 0.0000575 | 0.000274 | 0.0129 |
| 2053 Oct | 29.3 | 0.00237 | 0.0402 | 0.000414 | 5.82 | 0.03 | 4.8 | 0.00000387 | 0.00531 | 0.00246 | 0.00386 | 0.00795 | 0.00000789 | 4.53 | 0.00000432 | 0.0000504 | 0.0000889 | 0.000358 | 0.0125 |
| 2053 Nov | 26.4 | 0.00467 | 0.0415 | 0.000404 | 4.71 | 0.0252 | 4.47 | 0.00000378 | 0.0041 | 0.00255 | 0.00377 | 0.00722 | 0.00000772 | 4.07 | 0.00000239 | 0.0000502 | 0.0000649 | 0.000297 | 0.0113 |
| 2053 Dec | 25.8 | 0.0069 | 0.0331 | 0.000426 | 4.47 | 0.0264 | 4.26 | 0.00000407 | 0.00341 | 0.002 | 0.00406 | 0.00756 | 0.00000826 | 4 | 0.00000242 | 0.0000501 | 0.0000613 | 0.000285 | 0.00979 |
| 2054 Jan | 24.3 | 0.00801 | 0.0247 | 0.000447 | 4.09 | 0.0265 | 3.93 | 0.00000434 | 0.00312 | 0.00148 | 0.00433 | 0.00736 | 0.00000876 | 3.78 | 0.00000244 | 0.0000501 | 0.000058 | 0.000275 | 0.0084 |
| 2054 Feb | 25.5 | 0.00716 | 0.0312 | 0.000431 | 4.38 | 0.0264 | 4.19 | 0.00000413 | 0.00334 | 0.00188 | 0.00413 | 0.00751 | 0.00000838 | 3.94 | 0.00000242 | 0.0000501 | 0.0000605 | 0.000283 | 0.00947 |
| 2054 Mar | 26.7 | 0.00887 | 0.0308 | 0.000434 | 4.57 | 0.0281 | 4.37 | 0.00000417 | 0.00276 | 0.0018 | 0.00417 | 0.00828 | 0.00000846 | 4.15 | 0.00000243 | 0.0000501 | 0.00006 | 0.000281 | 0.00924 |
| 2054 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2054 May | 23.8 | 0.00837 | 0.0037 | 0.000496 | 3.7 | 0.0299 | 3.66 | 0.00000495 | 0.00234 | 0.000292 | 0.00495 | 0.00795 | 0.00000991 | 3.56 | 0.00000249 | 0.0000499 | 0.0000504 | 0.000251 | 0.00519 |
| 2054 Jun | 29.6 | 0.00825 | 0.0206 | 0.000444 | 6.06 | 0.0331 | 4.45 | 0.00000437 | 0.0022 | 0.00121 | 0.00436 | 0.0095 | 0.0000088 | 4.6 | 0.00000238 | 0.0000487 | 0.0000765 | 0.000263 | 0.00739 |
| 2054 Jul | 22.4 | 0.00234 | 0.0238 | 0.000415 | 4.42 | 0.0249 | 3.49 | 0.00000427 | 0.0047 | 0.00144 | 0.00427 | 0.00696 | 0.00000863 | 3.59 | 0.00000239 | 0.0000492 | 0.0000847 | 0.00027 | 0.0144 |
| 2054 Aug | 21.7 | 0.00214 | 0.02 | 0.000427 | 4.38 | 0.0245 | 3.32 | 0.00000435 | 0.00457 | 0.00124 | 0.00434 | 0.00638 | 0.00000877 | 3.49 | 0.00000239 | 0.0000489 | 0.0000556 | 0.000264 | 0.0137 |
| 2054 Sep | 23.6 | 0.00575 | 0.0296 | 0.000407 | 4.47 | 0.0241 | 3.89 | 0.00000399 | 0.00407 | 0.0018 | 0.00399 | 0.00651 | 0.00000809 | 3.72 | 0.00000232 | 0.0000483 | 0.0000577 | 0.000273 | 0.0135 |
| 2054 Oct | 27.2 | 0.00175 | 0.0377 | 0.000406 | 5.4 | 0.0278 | 4.42 | 0.00000367 | 0.00526 | 0.00227 | 0.00367 | 0.00725 | 0.00000749 | 4.2 | 0.00000423 | 0.0000475 | 0.0000841 | 0.000342 | 0.0124 |
| 2054 Nov | 26.6 | 0.00266 | 0.0501 | 0.000387 | 4.9 | 0.0235 | 4.57 | 0.00000319 | 0.00443 | 0.00302 | 0.00318 | 0.00692 | 0.00000657 | 4.08 | 0.0000025 | 0.0000467 | 0.0000665 | 0.000299 | 0.0131 |
| 2054 Dec | 25.1 | 0.00573 | 0.0352 | 0.000426 | 4.39 | 0.025 | 4.15 | 0.0000038 | 0.00363 | 0.0021 | 0.00379 | 0.00712 | 0.00000772 | 3.87 | 0.0000025 | 0.0000479 | 0.0000611 | 0.000283 | 0.0104 |
| 2055 Jan | 23.4 | 0.00761 | 0.0236 | 0.000454 | 3.93 | 0.0257 | 3.77 | 0.00000425 | 0.00317 | 0.00139 | 0.00425 | 0.00704 | 0.00000858 | 3.64 | 0.0000025 | 0.0000487 | 0.000057 | 0.000271 | 0.00837 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 22.9 | 0.0082 | 0.02 | 0.000463 | 3.78 | 0.0259 | 3.64 | 0.00000439 | 0.00303 | 0.00117 | 0.00439 | 0.00701 | 0.00000884 | 3.57 | 0.0000025 | 0.0000489 | 0.0000557 | 0.000267 | 0.00774 |
| 2055 Mar | 24.2 | 0.011 | 0.0168 | 0.000474 | 3.94 | 0.0284 | 3.81 | 0.00000457 | 0.00211 | 0.000904 | 0.00457 | 0.00806 | 0.00000918 | 3.81 | 0.0000025 | 0.0000492 | 0.000054 | 0.000262 | 0.00694 |
| 2055 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2055 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2055 Jun | 29.5 | 0.00855 | 0.0175 | 0.000459 | 6.1 | 0.0336 | 4.37 | 0.00000446 | 0.00207 | 0.00104 | 0.00446 | 0.00959 | 0.00000897 | 4.6 | 0.00000241 | 0.0000487 | 0.0000776 | 0.000259 | 0.007 |
| 2055 Jul | 20.9 | 0.00244 | 0.0156 | 0.000471 | 4.17 | 0.0251 | 3.14 | 0.00000455 | 0.00475 | 0.000972 | 0.00455 | 0.00678 | 0.00000915 | 3.39 | 0.00000243 | 0.0000495 | 0.000087 | 0.000263 | 0.0142 |
| 2055 Aug | 22.1 | 0.00232 | 0.0203 | 0.000454 | 4.46 | 0.0249 | 3.38 | 0.00000436 | 0.00454 | 0.00125 | 0.00436 | 0.00652 | 0.0000088 | 3.55 | 0.0000024 | 0.0000491 | 0.000057 | 0.000267 | 0.0136 |
| 2055 Sep | 22.8 | 0.00641 | 0.0244 | 0.000413 | 4.33 | 0.0243 | 3.69 | 0.00000412 | 0.00392 | 0.00147 | 0.00412 | 0.00641 | 0.00000833 | 3.6 | 0.00000232 | 0.000048 | 0.0000569 | 0.000266 | 0.013 |
| 2055 Oct | 27.2 | 0.00179 | 0.0439 | 0.000328 | 5.33 | 0.026 | 4.47 | 0.00000338 | 0.0049 | 0.00257 | 0.00337 | 0.00723 | 0.00000691 | 4.18 | 0.00000342 | 0.0000463 | 0.0000781 | 0.000321 | 0.0132 |
| 2055 Nov | 24.6 | 0.00386 | 0.0402 | 0.000343 | 4.41 | 0.0231 | 4.09 | 0.00000352 | 0.00404 | 0.00236 | 0.00352 | 0.00663 | 0.00000719 | 3.78 | 0.00000221 | 0.0000468 | 0.0000613 | 0.000279 | 0.0116 |
| 2055 Dec | 24.6 | 0.00589 | 0.0341 | 0.000372 | 4.3 | 0.0246 | 4.03 | 0.0000038 | 0.00348 | 0.00197 | 0.0038 | 0.00707 | 0.00000772 | 3.8 | 0.00000227 | 0.0000475 | 0.0000592 | 0.000274 | 0.0104 |
| 2056 Jan | 23.1 | 0.00784 | 0.0221 | 0.000423 | 3.84 | 0.0255 | 3.67 | 0.00000428 | 0.00305 | 0.00127 | 0.00428 | 0.007 | 0.00000864 | 3.58 | 0.00000236 | 0.0000485 | 0.0000555 | 0.000265 | 0.00822 |
| 2056 Feb | 23.9 | 0.0068 | 0.0286 | 0.000396 | 4.09 | 0.025 | 3.86 | 0.00000403 | 0.00328 | 0.00165 | 0.00402 | 0.00704 | 0.00000815 | 3.7 | 0.00000231 | 0.0000479 | 0.0000575 | 0.00027 | 0.00938 |
| 2056 Mar | 23.7 | 0.0119 | 0.0124 | 0.000471 | 3.79 | 0.0287 | 3.67 | 0.00000473 | 0.00185 | 0.000621 | 0.00473 | 0.00812 | 0.00000949 | 3.74 | 0.00000245 | 0.0000494 | 0.0000521 | 0.000255 | 0.0062 |
| 2056 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2056 May | 23.9 | 0.0081 | 0.00587 | 0.000486 | 3.74 | 0.0295 | 3.69 | 0.00000485 | 0.00241 | 0.00041 | 0.00485 | 0.00789 | 0.0000097 | 3.57 | 0.00000246 | 0.0000495 | 0.0000507 | 0.000252 | 0.00552 |
| 2056 Jun | 29.6 | 0.00834 | 0.0209 | 0.000449 | 6.04 | 0.0329 | 4.42 | 0.00000434 | 0.00226 | 0.00122 | 0.00434 | 0.00947 | 0.00000875 | 4.59 | 0.00000237 | 0.0000486 | 0.0000765 | 0.000264 | 0.00761 |
| 2056 Jul | 19.5 | 0.00255 | 0.00879 | 0.000479 | 3.91 | 0.025 | 2.82 | 0.00000478 | 0.0048 | 0.000566 | 0.00478 | 0.00657 | 0.00000958 | 3.2 | 0.00000246 | 0.0000497 | 0.0000883 | 0.000256 | 0.0141 |
| 2056 Aug | 19 | 0.00251 | 0.0034 | 0.000497 | 3.95 | 0.025 | 2.67 | 0.00000497 | 0.0046 | 0.000271 | 0.00497 | 0.00598 | 0.00000994 | 3.14 | 0.0000025 | 0.00005 | 0.0000503 | 0.000251 | 0.013 |
| 2056 Sep | 22.3 | 0.00802 | 0.0168 | 0.000452 | 4.23 | 0.0253 | 3.54 | 0.00000452 | 0.00383 | 0.00102 | 0.00452 | 0.00642 | 0.00000909 | 3.55 | 0.00000243 | 0.0000495 | 0.0000556 | 0.000265 | 0.0126 |
| 2056 Oct | 27.1 | 0.00245 | 0.0346 | 0.000371 | 5.41 | 0.0283 | 4.29 | 0.00000373 | 0.00503 | 0.00199 | 0.00372 | 0.00737 | 0.00000757 | 4.17 | 0.00000417 | 0.0000468 | 0.0000847 | 0.000335 | 0.0117 |
| 2056 Nov | 25 | 0.00421 | 0.0396 | 0.000349 | 4.53 | 0.0237 | 4.1 | 0.00000349 | 0.00395 | 0.00227 | 0.00349 | 0.00679 | 0.00000712 | 3.83 | 0.00000232 | 0.0000461 | 0.0000632 | 0.00028 | 0.0112 |
| 2056 Dec | 23.8 | 0.00731 | 0.0259 | 0.000409 | 4.07 | 0.0254 | 3.79 | 0.00000409 | 0.00316 | 0.00146 | 0.00409 | 0.0071 | 0.00000827 | 3.68 | 0.00000239 | 0.0000477 | 0.000058 | 0.000268 | 0.00873 |
| 2057 Jan | 22.8 | 0.00843 | 0.0188 | 0.000439 | 3.77 | 0.0259 | 3.57 | 0.00000439 | 0.00291 | 0.00105 | 0.00438 | 0.00703 | 0.00000883 | 3.54 | 0.00000243 | 0.0000484 | 0.0000554 | 0.000262 | 0.00752 |
| 2057 Feb | 22.2 | 0.00906 | 0.0149 | 0.000456 | 3.6 | 0.0261 | 3.45 | 0.00000455 | 0.00277 | 0.000826 | 0.00455 | 0.007 | 0.00000915 | 3.46 | 0.00000245 | 0.0000489 | 0.0000539 | 0.000259 | 0.00683 |
| 2057 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2057 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2057 May | 24 | 0.00784 | 0.00796 | 0.000479 | 3.8 | 0.0292 | 3.72 | 0.00000475 | 0.00248 | 0.000517 | 0.00475 | 0.00785 | 0.00000952 | 3.59 | 0.00000246 | 0.0000491 | 0.0000515 | 0.000253 | 0.00585 |
| 2057 Jun | 29.4 | 0.0085 | 0.0188 | 0.000464 | 6.02 | 0.0331 | 4.34 | 0.00000441 | 0.00215 | 0.00104 | 0.0044 | 0.00948 | 0.00000886 | 4.55 | 0.00000237 | 0.0000484 | 0.0000762 | 0.00026 | 0.0072 |
| 2057 Jul | 20.3 | 0.00258 | 0.0131 | 0.000471 | 4.04 | 0.0249 | 2.98 | 0.00000462 | 0.00475 | 0.000773 | 0.00462 | 0.00667 | 0.00000928 | 3.3 | 0.00000243 | 0.0000493 | 0.0000867 | 0.000259 | 0.0141 |
| 2057 Aug | 20.1 | 0.00254 | 0.00887 | 0.000483 | 4.13 | 0.025 | 2.89 | 0.00000479 | 0.00458 | 0.000558 | 0.00479 | 0.00618 | 0.00000959 | 3.28 | 0.00000247 | 0.0000497 | 0.0000524 | 0.000256 | 0.0132 |
| 2057 Sep | 22.3 | 0.00743 | 0.0193 | 0.000441 | 4.23 | 0.0247 | 3.52 | 0.00000435 | 0.00382 | 0.0011 | 0.00434 | 0.00636 | 0.00000875 | 3.52 | 0.00000236 | 0.0000483 | 0.0000555 | 0.000262 | 0.0126 |
| 2057 Oct | 26.7 | 0.00231 | 0.0405 | 0.00036 | 5.28 | 0.0262 | 4.25 | 0.00000345 | 0.00478 | 0.00218 | 0.00344 | 0.00717 | 0.00000703 | 4.09 | 0.00000351 | 0.0000453 | 0.0000781 | 0.000316 | 0.0125 |
| 2057 Nov | 23.7 | 0.00471 | 0.0346 | 0.000384 | 4.2 | 0.0232 | 3.79 | 0.0000037 | 0.00384 | 0.00187 | 0.00369 | 0.00648 | 0.0000075 | 3.62 | 0.00000224 | 0.0000462 | 0.0000595 | 0.00027 | 0.0105 |
| 2057 Dec | 23.2 | 0.00767 | 0.0235 | 0.000428 | 3.92 | 0.0252 | 3.64 | 0.00000419 | 0.00306 | 0.00125 | 0.00419 | 0.00699 | 0.00000845 | 3.59 | 0.00000234 | 0.0000477 | 0.0000559 | 0.000263 | 0.0084 |
| 2058 Jan | 22.6 | 0.00837 | 0.0191 | 0.000445 | 3.74 | 0.0256 | 3.52 | 0.00000438 | 0.00291 | 0.00101 | 0.00437 | 0.00697 | 0.00000881 | 3.51 | 0.00000237 | 0.0000482 | 0.0000546 | 0.00026 | 0.00762 |
| 2058 Feb | 22 | 0.00913 | 0.0144 | 0.000462 | 3.55 | 0.026 | 3.39 | 0.00000458 | 0.00275 | 0.000757 | 0.00457 | 0.00695 | 0.00000919 | 3.43 | 0.00000241 | 0.0000488 | 0.0000531 | 0.000257 | 0.00678 |
| 2058 Mar | 23.4 | 0.0125 | 0.00964 | 0.000486 | 3.7 | 0.029 | 3.58 | 0.00000484 | 0.00169 | 0.000433 | 0.00484 | 0.00816 | 0.00000969 | 3.7 | 0.00000247 | 0.0000495 | 0.0000512 | 0.000253 | 0.00567 |
| 2058 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2058 May | 23.9 | 0.00809 | 0.00587 | 0.000489 | 3.74 | 0.0294 | 3.67 | 0.00000484 | 0.0024 | 0.000391 | 0.00484 | 0.00788 | 0.0000097 | 3.57 | 0.00000246 | 0.0000494 | 0.0000507 | 0.000251 | 0.00552 |
| 2058 Jun | 29.6 | 0.00836 | 0.0205 | 0.000455 | 6.08 | 0.033 | 4.37 | 0.00000436 | 0.00222 | 0.00111 | 0.00436 | 0.00951 | 0.00000878 | 4.59 | 0.00000236 | 0.0000484 | 0.0000768 | 0.000262 | 0.00749 |
| 2058 Jul | 18.7 | 0.00251 | 0.00504 | 0.000493 | 3.78 | 0.025 | 2.66 | 0.00000492 | 0.00484 | 0.000341 | 0.00492 | 0.00648 | 0.00000984 | 3.1 | 0.00000249 | 0.0000499 | 0.0000894 | 0.000253 | 0.0141 |
| 2058 Aug | 19 | 0.00251 | 0.0034 | 0.000498 | 3.96 | 0.025 | 2.67 | 0.00000497 | 0.0046 | 0.000266 | 0.00497 | 0.00599 | 0.00000995 | 3.14 | 0.0000025 | 0.00005 | 0.0000504 | 0.000251 | 0.013 |
| 2058 Sep | 22.2 | 0.00759 | 0.0186 | 0.000447 | 4.23 | 0.0249 | 3.5 | 0.00000439 | 0.00386 | 0.00103 | 0.00438 | 0.00637 | 0.00000883 | 3.52 | 0.00000237 | 0.0000486 | 0.0000552 | 0.000264 | 0.0125 |
| 2058 Oct | 26.9 | 0.00237 | 0.0402 | 0.000369 | 5.31 | 0.0268 | 4.25 | 0.00000348 | 0.00499 | 0.00211 | 0.00346 | 0.00725 | 0.00000707 | 4.11 | 0.00000357 | 0.0000459 | 0.0000784 | 0.000327 | 0.0125 |
| 2058 Nov | 24.8 | 0.00409 | 0.0409 | 0.000363 | 4.5 | 0.0235 | 4 | 0.00000346 | 0.00415 | 0.00215 | 0.00345 | 0.00674 | 0.00000704 | 3.78 | 0.00000221 | 0.0000461 | 0.0000612 | 0.000285 | 0.0115 |
| 2058 Dec | 23.7 | 0.00717 | 0.027 | 0.000416 | 4.06 | 0.0253 | 3.74 | 0.00000406 | 0.0033 | 0.0014 | 0.00405 | 0.00706 | 0.0000082 | 3.66 | 0.00000232 | 0.0000477 | 0.0000569 | 0.000272 | 0.009 |
| 2059 Jan | 22.7 | 0.00838 | 0.0193 | 0.000444 | 3.76 | 0.0258 | 3.53 | 0.00000438 | 0.003 | 0.000999 | 0.00437 | 0.00701 | 0.00000881 | 3.52 | 0.00000238 | 0.0000485 | 0.0000546 | 0.000264 | 0.00765 |
| 2059 Feb | 22.5 | 0.00864 | 0.0177 | 0.00045 | 3.69 | 0.0259 | 3.49 | 0.00000445 | 0.00293 | 0.000914 | 0.00444 | 0.007 | 0.00000894 | 3.49 | 0.0000024 | 0.0000486 | 0.0000541 | 0.000263 | 0.00736 |
| 2059 Mar | 24.8 | 0.00937 | 0.0247 | 0.000429 | 4.2 | 0.0273 | 3.9 | 0.00000421 | 0.00258 | 0.00123 | 0.0042 | 0.0079 | 0.00000848 | 3.86 | 0.00000235 | 0.000048 | 0.0000558 | 0.000268 | 0.00839 |
| 2059 Apr | 21.8 | 0.0056 | 0.0103 | 0.000472 | 2.1 | 0.0321 | 3.85 | 0.00000469 | 0.00192 | 0.000625 | 0.00469 | 0.00676 | 0.0000094 | 3.15 | 0.00000244 | 0.0000492 | 0.0000523 | 0.000257 | 0.00633 |
| 2059 May | 23.9 | 0.00808 | 0.00596 | 0.000483 | 3.74 | 0.0295 | 3.68 | 0.00000484 | 0.00243 | 0.000392 | 0.00484 | 0.00789 | 0.00000969 | 3.57 | 0.00000246 | 0.0000495 | 0.0000508 | 0.000252 | 0.00554 |
| 2059 Jun | 29.3 | 0.00858 | 0.0177 | 0.000444 | 6.02 | 0.0334 | 4.29 | 0.00000445 | 0.00216 | 0.000932 | 0.00445 | 0.00953 | 0.00000894 | 4.54 | 0.00000238 | 0.0000485 | 0.0000763 | 0.000261 | 0.00704 |
| 2059 Jul | 18.8 | 0.00252 | 0.00526 | 0.000491 | 3.78 | 0.025 | 2.66 | 0.0000049 | 0.00483 | 0.000347 | 0.0049 | 0.00648 | 0.00000981 | 3.1 | 0.00000248 | 0.0000498 | 0.0000891 | 0.000253 | 0.014 |
| 2059 Aug | 19.8 | 0.00254 | 0.0077 | 0.000484 | 4.09 | 0.0251 | 2.83 | 0.00000483 | 0.0046 | 0.000477 | 0.00482 | 0.00614 | 0.00000967 | 3.25 | 0.00000247 | 0.0000498 | 0.0000519 | 0.000256 | 0.0132 |
| 2059 Sep | 22.6 | 0.00721 | 0.0215 | 0.000432 | 4.3 | 0.0248 | 3.56 | 0.00000426 | 0.00389 | 0.00115 | 0.00425 | 0.00646 | 0.00000857 | 3.56 | 0.00000233 | 0.0000481 | 0.0000558 | 0.000266 | 0.0125 |
| 2059 Oct | 26.5 | 0.00228 | 0.0381 | 0.00034 | 5.28 | 0.027 | 4.12 | 0.00000353 | 0.005 | 0.00191 | 0.00351 | 0.00717 | 0.00000716 | 4.05 | 0.00000376 | 0.0000453 | 0.0000794 | 0.000326 | 0.012 |
| 2059 Nov | 24.5 | 0.0041 | 0.0392 | 0.000334 | 4.44 | 0.0235 | 3.87 | 0.0000035 | 0.0041 | 0.00196 | 0.00349 | 0.00665 | 0.00000712 | 3.71 | 0.0000023 | 0.0000455 | 0.0000614 | 0.000281 | 0.0111 |
| 2059 Dec | 23.6 | 0.00714 | 0.0264 | 0.000397 | 4.05 | 0.0253 | 3.68 | 0.00000407 | 0.00328 | 0.00131 | 0.00406 | 0.00703 | 0.00000821 | 3.63 | 0.00000238 | 0.0000473 | 0.0000571 | 0.00027 | 0.00881 |
| 2060 Jan | 22.6 | 0.00838 | 0.0188 | 0.000432 | 3.74 | 0.0258 | 3.48 | 0.00000439 | 0.00298 | 0.000932 | 0.00438 | 0.00698 | 0.00000882 | 3.5 | 0.00000242 | 0.0000482 | 0.0000547 | 0.000263 | 0.0075 |
| 2060 Feb | 22.1 | 0.00901 | 0.015 | 0.00045 | 3.59 | 0.0261 | 3.39 | 0.00000455 | 0.00282 | 0.000743 | 0.00455 | 0.00696 | 0.00000914 | 3.44 | 0.00000244 | 0.0000487 | 0.0000535 | 0.00026 | 0.00684 |
| 2060 Mar | 23.5 | 0.0124 | 0.0102 | 0.000479 | 3.72 | 0.029 | 3.59 | 0.00000482 | 0.00175 | 0.000446 | 0.00481 | 0.00815 | 0.00000964 | 3.7 | 0.00000248 | 0.0000495 | 0.0000514 | 0.000254 | 0.00576 |
| 2060 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2060 May | 24.4 | 0.00742 | 0.0128 | 0.000463 | 3.93 | 0.0286 | 3.78 | 0.00000456 | 0.00264 | 0.000708 | 0.00456 | 0.00782 | 0.00000915 | 3.64 | 0.0000024 | 0.0000485 | 0.0000524 | 0.000256 | 0.00655 |
| 2060 Jun | 29.6 | 0.00873 | 0.0184 | 0.00047 | 6.07 | 0.0335 | 4.32 | 0.00000446 | 0.00216 | 0.000955 | 0.00445 | 0.00958 | 0.00000896 | 4.58 | 0.00000238 | 0.0000486 | 0.0000768 | 0.000261 | 0.00719 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 19.4 | 0.00259 | 0.00832 | 0.000489 | 3.88 | 0.025 | 2.77 | 0.0000048 | 0.00481 | 0.000493 | 0.0048 | 0.00655 | 0.00000961 | 3.18 | 0.00000246 | 0.0000496 | 0.0000882 | 0.000256 | 0.0141 |
| 2060 Aug | 21.5 | 0.00261 | 0.0183 | 0.000453 | 4.34 | 0.0245 | 3.16 | 0.00000438 | 0.00451 | 0.000981 | 0.00437 | 0.00638 | 0.0000088 | 3.44 | 0.00000235 | 0.0000482 | 0.0000551 | 0.000261 | 0.0134 |
| 2060 Sep | 21.8 | 0.00714 | 0.019 | 0.000434 | 4.15 | 0.0242 | 3.38 | 0.0000043 | 0.00386 | 0.000987 | 0.00429 | 0.0062 | 0.00000864 | 3.44 | 0.00000232 | 0.0000476 | 0.0000541 | 0.000259 | 0.0126 |
| 2060 Oct | 27 | 0.00194 | 0.0435 | 0.000364 | 5.35 | 0.026 | 4.18 | 0.00000339 | 0.00498 | 0.00212 | 0.00338 | 0.00717 | 0.00000689 | 4.1 | 0.00000344 | 0.0000451 | 0.0000775 | 0.000321 | 0.0131 |
| 2060 Nov | 24.7 | 0.00386 | 0.0417 | 0.000375 | 4.49 | 0.0231 | 3.89 | 0.00000347 | 0.00413 | 0.00204 | 0.00346 | 0.00664 | 0.00000706 | 3.75 | 0.00000219 | 0.0000456 | 0.000061 | 0.00028 | 0.0118 |
| 2060 Dec | 23.7 | 0.00712 | 0.0271 | 0.000426 | 4.05 | 0.0251 | 3.66 | 0.00000408 | 0.00326 | 0.00132 | 0.00408 | 0.00702 | 0.00000823 | 3.64 | 0.00000231 | 0.0000474 | 0.0000567 | 0.000268 | 0.00908 |
| 2061 Jan | 22.9 | 0.00804 | 0.0214 | 0.000444 | 3.83 | 0.0255 | 3.53 | 0.00000431 | 0.00304 | 0.00104 | 0.00431 | 0.00699 | 0.00000868 | 3.54 | 0.00000236 | 0.000048 | 0.000055 | 0.000264 | 0.00806 |
| 2061 Feb | 22.5 | 0.00858 | 0.018 | 0.000455 | 3.69 | 0.0258 | 3.45 | 0.00000445 | 0.00292 | 0.000877 | 0.00445 | 0.00697 | 0.00000894 | 3.48 | 0.00000239 | 0.0000484 | 0.000054 | 0.000261 | 0.00744 |
| 2061 Mar | 24 | 0.0113 | 0.0155 | 0.000468 | 3.89 | 0.0283 | 3.68 | 0.00000461 | 0.00203 | 0.000703 | 0.0046 | 0.00806 | 0.00000924 | 3.76 | 0.00000242 | 0.0000489 | 0.0000529 | 0.000258 | 0.00676 |
| 2061 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2061 May | 24 | 0.00776 | 0.0086 | 0.000481 | 3.82 | 0.0291 | 3.7 | 0.00000473 | 0.00251 | 0.000506 | 0.00473 | 0.00784 | 0.00000948 | 3.59 | 0.00000244 | 0.000049 | 0.0000514 | 0.000253 | 0.00598 |
| 2061 Jun | 29.4 | 0.00849 | 0.0185 | 0.000461 | 6.06 | 0.0332 | 4.27 | 0.0000044 | 0.00215 | 0.00095 | 0.00439 | 0.00951 | 0.00000884 | 4.55 | 0.00000235 | 0.000048 | 0.0000767 | 0.000259 | 0.00722 |
| 2061 Jul | 21.4 | 0.00247 | 0.0185 | 0.000452 | 4.26 | 0.0248 | 3.13 | 0.00000439 | 0.00468 | 0.000979 | 0.00438 | 0.00681 | 0.00000883 | 3.42 | 0.00000236 | 0.0000484 | 0.0000854 | 0.000263 | 0.0142 |
| 2061 Aug | 20.8 | 0.00244 | 0.013 | 0.00047 | 4.26 | 0.0249 | 3 | 0.00000461 | 0.00455 | 0.000724 | 0.0046 | 0.0063 | 0.00000924 | 3.36 | 0.00000241 | 0.000049 | 0.0000542 | 0.000259 | 0.0134 |
| 2061 Sep | 22.2 | 0.00728 | 0.0191 | 0.000449 | 4.26 | 0.0248 | 3.45 | 0.00000434 | 0.00383 | 0.00101 | 0.00433 | 0.00638 | 0.00000872 | 3.51 | 0.00000234 | 0.000048 | 0.0000563 | 0.000262 | 0.0126 |
| 2061 Oct | 26.1 | 0.00202 | 0.033 | 0.000375 | 5.26 | 0.0275 | 3.95 | 0.00000367 | 0.00504 | 0.00163 | 0.00366 | 0.00711 | 0.00000743 | 3.99 | 0.00000406 | 0.000045 | 0.0000832 | 0.000327 | 0.0117 |
| 2061 Nov | 24.4 | 0.00344 | 0.0403 | 0.000336 | 4.5 | 0.0228 | 3.79 | 0.00000333 | 0.00403 | 0.00198 | 0.00332 | 0.00659 | 0.00000677 | 3.69 | 0.0000022 | 0.0000438 | 0.0000627 | 0.000273 | 0.0116 |
| 2061 Dec | 23.4 | 0.00667 | 0.0269 | 0.000398 | 4.07 | 0.0248 | 3.6 | 0.00000397 | 0.00326 | 0.00131 | 0.00396 | 0.00694 | 0.00000801 | 3.6 | 0.00000232 | 0.0000462 | 0.0000579 | 0.000265 | 0.00909 |
| 2062 Jan | 22.5 | 0.00812 | 0.0189 | 0.000434 | 3.74 | 0.0255 | 3.43 | 0.00000434 | 0.00295 | 0.000923 | 0.00433 | 0.00693 | 0.00000872 | 3.48 | 0.00000238 | 0.0000475 | 0.0000551 | 0.00026 | 0.00764 |
| 2062 Feb | 22.1 | 0.00863 | 0.016 | 0.000447 | 3.63 | 0.0257 | 3.37 | 0.00000447 | 0.00284 | 0.000784 | 0.00446 | 0.00692 | 0.00000897 | 3.43 | 0.00000241 | 0.000048 | 0.0000541 | 0.000258 | 0.00712 |
| 2062 Mar | 23.2 | 0.0131 | 0.00695 | 0.000495 | 3.61 | 0.0294 | 3.52 | 0.00000495 | 0.00156 | 0.00028 | 0.00495 | 0.00821 | 0.00000991 | 3.67 | 0.00000249 | 0.0000498 | 0.0000504 | 0.000251 | 0.00519 |
| 2062 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2062 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2062 Jun | 29.3 | 0.00871 | 0.0159 | 0.000448 | 6.09 | 0.0337 | 4.22 | 0.00000449 | 0.002 | 0.000794 | 0.00448 | 0.00959 | 0.000009 | 4.55 | 0.00000236 | 0.000048 | 0.0000774 | 0.000255 | 0.00677 |
| 2062 Jul | 20.2 | 0.00245 | 0.0125 | 0.000456 | 4.05 | 0.025 | 2.9 | 0.00000462 | 0.00476 | 0.000667 | 0.00462 | 0.00667 | 0.00000928 | 3.28 | 0.00000241 | 0.000049 | 0.0000873 | 0.000258 | 0.0141 |
| 2062 Aug | 21.8 | 0.00235 | 0.0185 | 0.000431 | 4.43 | 0.0249 | 3.17 | 0.00000441 | 0.00457 | 0.000951 | 0.0044 | 0.00648 | 0.00000886 | 3.48 | 0.00000236 | 0.0000485 | 0.0000563 | 0.000265 | 0.0136 |
| 2062 Sep | 21.7 | 0.00725 | 0.0178 | 0.000432 | 4.16 | 0.0245 | 3.35 | 0.00000434 | 0.00387 | 0.000909 | 0.00433 | 0.00625 | 0.00000871 | 3.43 | 0.00000232 | 0.0000477 | 0.0000547 | 0.00026 | 0.0125 |
| 2062 Oct | 25.9 | 0.00198 | 0.0333 | 0.000414 | 5.24 | 0.0276 | 3.92 | 0.00000364 | 0.00524 | 0.00159 | 0.00362 | 0.00706 | 0.00000735 | 3.96 | 0.00000413 | 0.000045 | 0.0000828 | 0.000335 | 0.0118 |
| 2062 Nov | 24.5 | 0.00346 | 0.0412 | 0.000406 | 4.53 | 0.0232 | 3.8 | 0.00000332 | 0.00432 | 0.00196 | 0.0033 | 0.00661 | 0.00000674 | 3.71 | 0.00000231 | 0.0000443 | 0.0000632 | 0.000287 | 0.0118 |
| 2062 Dec | 23.7 | 0.00652 | 0.0285 | 0.00044 | 4.13 | 0.025 | 3.64 | 0.00000392 | 0.00348 | 0.00135 | 0.00391 | 0.00697 | 0.0000079 | 3.63 | 0.00000238 | 0.0000463 | 0.0000586 | 0.000274 | 0.00939 |
| 2063 Jan | 22.7 | 0.00793 | 0.0205 | 0.00046 | 3.81 | 0.0256 | 3.47 | 0.00000428 | 0.00312 | 0.000972 | 0.00427 | 0.00695 | 0.0000086 | 3.51 | 0.00000242 | 0.0000476 | 0.0000558 | 0.000266 | 0.00794 |
| 2063 Feb | 21.9 | 0.00909 | 0.0138 | 0.000477 | 3.54 | 0.0261 | 3.32 | 0.00000458 | 0.00282 | 0.00066 | 0.00457 | 0.00693 | 0.00000918 | 3.4 | 0.00000245 | 0.0000486 | 0.0000534 | 0.00026 | 0.00673 |
| 2063 Mar | 23.8 | 0.0113 | 0.0146 | 0.000478 | 3.87 | 0.0284 | 3.64 | 0.0000046 | 0.00205 | 0.000643 | 0.0046 | 0.00804 | 0.00000923 | 3.73 | 0.00000246 | 0.0000487 | 0.0000532 | 0.000259 | 0.00661 |
| 2063 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2063 May | 23.9 | 0.00817 | 0.00518 | 0.000494 | 3.74 | 0.0297 | 3.66 | 0.00000488 | 0.00242 | 0.000341 | 0.00488 | 0.00791 | 0.00000978 | 3.57 | 0.00000249 | 0.0000496 | 0.0000509 | 0.000252 | 0.00546 |
| 2063 Jun | 29.1 | 0.00836 | 0.0186 | 0.000453 | 6.02 | 0.0329 | 4.2 | 0.00000434 | 0.00217 | 0.000907 | 0.00433 | 0.00942 | 0.00000871 | 4.5 | 0.00000231 | 0.0000474 | 0.0000764 | 0.000258 | 0.00725 |
| 2063 Jul | 19.5 | 0.0025 | 0.00892 | 0.000478 | 3.92 | 0.0249 | 2.77 | 0.00000475 | 0.00478 | 0.000494 | 0.00474 | 0.00657 | 0.00000951 | 3.19 | 0.00000243 | 0.0000492 | 0.0000881 | 0.000255 | 0.0141 |
| 2063 Aug | 18.9 | 0.0025 | 0.00293 | 0.000499 | 3.94 | 0.025 | 2.64 | 0.00000498 | 0.0046 | 0.000239 | 0.00498 | 0.00597 | 0.00000997 | 3.13 | 0.0000025 | 0.00005 | 0.0000502 | 0.00025 | 0.013 |
| 2063 Sep | 21 | 0.0087 | 0.00975 | 0.000477 | 4 | 0.0253 | 3.21 | 0.00000475 | 0.00375 | 0.000532 | 0.00474 | 0.00617 | 0.00000951 | 3.36 | 0.00000244 | 0.0000494 | 0.0000531 | 0.000257 | 0.0122 |
| 2063 Oct | 28.2 | 0.00242 | 0.0381 | 0.000372 | 5.7 | 0.0289 | 4.21 | 0.00000371 | 0.00509 | 0.00178 | 0.0037 | 0.00774 | 0.0000075 | 4.29 | 0.00000396 | 0.0000465 | 0.0000869 | 0.000339 | 0.0124 |
| 2063 Nov | 22.3 | 0.00617 | 0.0228 | 0.000425 | 3.82 | 0.0244 | 3.37 | 0.00000425 | 0.00368 | 0.0011 | 0.00424 | 0.00641 | 0.00000855 | 3.42 | 0.00000233 | 0.000048 | 0.0000585 | 0.000268 | 0.00846 |
| 2063 Dec | 23 | 0.00869 | 0.0182 | 0.000447 | 3.82 | 0.0263 | 3.48 | 0.00000447 | 0.00289 | 0.00085 | 0.00446 | 0.00717 | 0.00000897 | 3.56 | 0.00000238 | 0.0000486 | 0.000056 | 0.000263 | 0.00745 |
| 2064 Jan | 23 | 0.00868 | 0.0182 | 0.000446 | 3.83 | 0.0263 | 3.48 | 0.00000446 | 0.00289 | 0.000854 | 0.00446 | 0.00717 | 0.00000897 | 3.56 | 0.00000238 | 0.0000485 | 0.000056 | 0.000263 | 0.00746 |
| 2064 Feb | 22.9 | 0.00882 | 0.0173 | 0.00045 | 3.78 | 0.0264 | 3.46 | 0.0000045 | 0.00286 | 0.000812 | 0.0045 | 0.00715 | 0.00000903 | 3.54 | 0.00000239 | 0.0000486 | 0.0000556 | 0.000262 | 0.0073 |
| 2064 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2064 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2064 May | 23.9 | 0.00792 | 0.00717 | 0.000478 | 3.77 | 0.0292 | 3.65 | 0.00000476 | 0.00244 | 0.000416 | 0.00476 | 0.00784 | 0.00000954 | 3.56 | 0.00000243 | 0.0000489 | 0.000051 | 0.000251 | 0.00571 |
| 2064 Jun | 29.4 | 0.00895 | 0.0156 | 0.000468 | 6.09 | 0.0339 | 4.22 | 0.00000454 | 0.00204 | 0.000746 | 0.00453 | 0.00965 | 0.0000091 | 4.56 | 0.00000238 | 0.0000484 | 0.0000773 | 0.000258 | 0.0068 |
| 2064 Jul | 19.5 | 0.00257 | 0.00895 | 0.00048 | 3.91 | 0.0249 | 2.76 | 0.00000475 | 0.0048 | 0.000482 | 0.00475 | 0.00656 | 0.00000952 | 3.18 | 0.00000244 | 0.0000493 | 0.0000878 | 0.000256 | 0.0141 |
| 2064 Aug | 20.9 | 0.0026 | 0.0137 | 0.000462 | 4.26 | 0.0249 | 2.98 | 0.00000457 | 0.00456 | 0.000691 | 0.00456 | 0.00632 | 0.00000916 | 3.36 | 0.00000239 | 0.0000487 | 0.0000541 | 0.00026 | 0.0133 |
| 2064 Sep | 22.5 | 0.00654 | 0.024 | 0.000399 | 4.32 | 0.0242 | 3.43 | 0.00000404 | 0.00391 | 0.0011 | 0.00403 | 0.00641 | 0.00000812 | 3.51 | 0.00000222 | 0.0000462 | 0.0000565 | 0.000263 | 0.0126 |
| 2064 Oct | 25.9 | 0.00244 | 0.0354 | 0.000342 | 5.19 | 0.0267 | 3.84 | 0.00000354 | 0.00494 | 0.00155 | 0.00352 | 0.00712 | 0.00000715 | 3.93 | 0.00000359 | 0.0000442 | 0.0000788 | 0.000318 | 0.0119 |
| 2064 Nov | 20.5 | 0.00656 | 0.0168 | 0.000431 | 3.4 | 0.0236 | 3.08 | 0.00000436 | 0.00359 | 0.000787 | 0.00435 | 0.00598 | 0.00000875 | 3.15 | 0.00000231 | 0.0000475 | 0.0000542 | 0.000259 | 0.00752 |
| 2064 Dec | 22.6 | 0.00798 | 0.0204 | 0.000419 | 3.8 | 0.0254 | 3.4 | 0.00000425 | 0.00304 | 0.000897 | 0.00425 | 0.00695 | 0.00000854 | 3.48 | 0.00000228 | 0.0000471 | 0.0000549 | 0.00026 | 0.00795 |
| 2065 Jan | 23.1 | 0.00721 | 0.0249 | 0.000397 | 3.98 | 0.025 | 3.48 | 0.00000404 | 0.00322 | 0.00109 | 0.00403 | 0.00696 | 0.00000814 | 3.54 | 0.00000222 | 0.0000463 | 0.0000562 | 0.000263 | 0.00877 |
| 2065 Feb | 23.6 | 0.00639 | 0.0297 | 0.000373 | 4.17 | 0.0246 | 3.56 | 0.00000382 | 0.00341 | 0.00129 | 0.00381 | 0.00698 | 0.0000077 | 3.6 | 0.00000215 | 0.0000454 | 0.0000577 | 0.000266 | 0.00965 |
| 2065 Mar | 23.9 | 0.0105 | 0.018 | 0.000437 | 3.97 | 0.0277 | 3.63 | 0.00000442 | 0.00223 | 0.000754 | 0.00442 | 0.00793 | 0.00000887 | 3.73 | 0.00000233 | 0.0000478 | 0.0000538 | 0.000258 | 0.00729 |
| 2065 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2065 May | 24.3 | 0.00686 | 0.0158 | 0.000435 | 4.02 | 0.028 | 3.71 | 0.0000044 | 0.00283 | 0.000752 | 0.00439 | 0.0077 | 0.00000883 | 3.63 | 0.00000232 | 0.0000476 | 0.0000535 | 0.000258 | 0.00728 |
| 2065 Jun | 29.2 | 0.00846 | 0.0178 | 0.000438 | 6.05 | 0.0333 | 4.18 | 0.00000441 | 0.00215 | 0.000794 | 0.0044 | 0.00951 | 0.00000885 | 4.51 | 0.00000232 | 0.0000477 | 0.0000765 | 0.000258 | 0.00704 |
| 2065 Jul | 19.1 | 0.0025 | 0.00697 | 0.000482 | 3.86 | 0.025 | 2.7 | 0.00000484 | 0.00482 | 0.000386 | 0.00484 | 0.00653 | 0.00000968 | 3.14 | 0.00000246 | 0.0000496 | 0.0000888 | 0.000254 | 0.014 |
| 2065 Aug | 20.3 | 0.0025 | 0.00994 | 0.000473 | 4.19 | 0.0251 | 2.87 | 0.00000475 | 0.0046 | 0.000512 | 0.00474 | 0.00624 | 0.00000951 | 3.3 | 0.00000244 | 0.0000494 | 0.000053 | 0.000258 | 0.0133 |
| 2065 Sep | 21.9 | 0.00782 | 0.0162 | 0.000447 | 4.21 | 0.0251 | 3.33 | 0.00000448 | 0.00383 | 0.000747 | 0.00448 | 0.00636 | 0.00000899 | 3.46 | 0.00000236 | 0.0000484 | 0.0000551 | 0.000261 | 0.0124 |
| 2065 Oct | 25.9 | 0.00215 | 0.0317 | 0.000399 | 5.29 | 0.0279 | 3.8 | 0.00000371 | 0.00511 | 0.00133 | 0.0037 | 0.00713 | 0.00000748 | 3.95 | 0.00000416 | 0.0000445 | 0.0000835 | 0.00033 | 0.0113 |
| 2065 Nov | 24.9 | 0.0032 | 0.0432 | 0.000372 | 4.7 | 0.0231 | 3.69 | 0.00000321 | 0.00419 | 0.00177 | 0.00319 | 0.00672 | 0.00000651 | 3.73 | 0.00000222 | 0.0000426 | 0.0000636 | 0.000279 | 0.0118 |

**Appendix D19. Downstream Node 1**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 24.6 | 0.00508 | 0.0364 | 0.000398 | 4.5 | 0.0243 | 3.67 | 0.00000355 | 0.0037 | 0.00149 | 0.00354 | 0.00702 | 0.00000717 | 3.72 | 0.00000228 | 0.0000441 | 0.0000613 | 0.000274 | 0.0106 |
| 2066 Jan | 24.3 | 0.00563 | 0.0333 | 0.000409 | 4.37 | 0.0246 | 3.62 | 0.00000369 | 0.00358 | 0.00137 | 0.00368 | 0.00701 | 0.00000744 | 3.68 | 0.0000023 | 0.0000447 | 0.0000602 | 0.000272 | 0.0101 |
| 2066 Feb | 24.2 | 0.00572 | 0.0329 | 0.00041 | 4.35 | 0.0246 | 3.61 | 0.00000371 | 0.00356 | 0.00135 | 0.0037 | 0.00701 | 0.00000749 | 3.67 | 0.0000023 | 0.0000448 | 0.00006 | 0.000272 | 0.00998 |
| 2066 Mar | 23.7 | 0.0116 | 0.0135 | 0.000476 | 3.84 | 0.0285 | 3.58 | 0.00000465 | 0.00195 | 0.000536 | 0.00465 | 0.00806 | 0.00000932 | 3.71 | 0.00000245 | 0.0000486 | 0.0000527 | 0.000256 | 0.00635 |
| 2066 Apr | 22.1 | 0.00521 | 0.0138 | 0.000466 | 2.38 | 0.0313 | 3.79 | 0.00000451 | 0.00214 | 0.000666 | 0.0045 | 0.00677 | 0.00000904 | 3.2 | 0.00000243 | 0.000048 | 0.0000539 | 0.000259 | 0.00691 |
| 2066 May | 23.8 | 0.00827 | 0.00428 | 0.000495 | 3.71 | 0.0297 | 3.64 | 0.00000491 | 0.00236 | 0.000288 | 0.00491 | 0.00791 | 0.00000983 | 3.55 | 0.00000248 | 0.0000496 | 0.0000504 | 0.000251 | 0.00528 |
| 2066 Jun | 29.2 | 0.00895 | 0.0151 | 0.000479 | 6.06 | 0.0338 | 4.17 | 0.00000452 | 0.00204 | 0.000689 | 0.00452 | 0.00962 | 0.00000907 | 4.53 | 0.00000236 | 0.0000481 | 0.0000769 | 0.000257 | 0.00667 |
| 2066 Jul | 18.3 | 0.00251 | 0.00313 | 0.000499 | 3.71 | 0.025 | 2.57 | 0.00000498 | 0.00485 | 0.000235 | 0.00498 | 0.00642 | 0.00000996 | 3.05 | 0.00000249 | 0.0000499 | 0.0000898 | 0.000251 | 0.014 |
| 2066 Aug | 20.7 | 0.00261 | 0.0122 | 0.000478 | 4.25 | 0.0251 | 2.93 | 0.00000465 | 0.0046 | 0.000598 | 0.00465 | 0.00632 | 0.00000933 | 3.34 | 0.00000241 | 0.0000491 | 0.0000538 | 0.00026 | 0.0133 |
| 2066 Sep | 22 | 0.00762 | 0.0175 | 0.000454 | 4.21 | 0.0249 | 3.32 | 0.00000438 | 0.00384 | 0.000792 | 0.00437 | 0.00635 | 0.00000879 | 3.46 | 0.00000232 | 0.0000478 | 0.0000551 | 0.000261 | 0.0124 |
| 2066 Oct | 25.7 | 0.00244 | 0.035 | 0.000373 | 5.18 | 0.0265 | 3.75 | 0.00000351 | 0.00486 | 0.00144 | 0.00349 | 0.00706 | 0.00000708 | 3.89 | 0.00000356 | 0.0000435 | 0.0000778 | 0.000314 | 0.0117 |
| 2066 Nov | 24.4 | 0.00343 | 0.0414 | 0.000333 | 4.59 | 0.0229 | 3.59 | 0.00000322 | 0.00413 | 0.00166 | 0.0032 | 0.00663 | 0.00000651 | 3.65 | 0.00000211 | 0.0000423 | 0.0000617 | 0.000274 | 0.0117 |
| 2066 Dec | 23.8 | 0.00592 | 0.0312 | 0.000379 | 4.26 | 0.0244 | 3.53 | 0.00000373 | 0.0035 | 0.00125 | 0.00372 | 0.00693 | 0.00000752 | 3.61 | 0.00000223 | 0.0000446 | 0.0000585 | 0.000268 | 0.00979 |
| 2067 Jan | 23.5 | 0.00633 | 0.0289 | 0.000389 | 4.17 | 0.0247 | 3.49 | 0.00000384 | 0.00341 | 0.00116 | 0.00383 | 0.00693 | 0.00000773 | 3.58 | 0.00000226 | 0.0000451 | 0.0000578 | 0.000267 | 0.00939 |
| 2067 Feb | 23.3 | 0.00663 | 0.0273 | 0.000397 | 4.1 | 0.0248 | 3.47 | 0.00000392 | 0.00334 | 0.0011 | 0.00391 | 0.00693 | 0.00000789 | 3.56 | 0.00000227 | 0.0000454 | 0.0000573 | 0.000266 | 0.0091 |
| 2067 Mar | 25.1 | 0.00626 | 0.0354 | 0.000363 | 4.57 | 0.0252 | 3.73 | 0.00000357 | 0.00331 | 0.00139 | 0.00356 | 0.00745 | 0.00000721 | 3.81 | 0.0000022 | 0.000044 | 0.0000597 | 0.000271 | 0.0104 |
| 2067 Apr | 22.9 | 0.00458 | 0.0219 | 0.000416 | 2.96 | 0.0293 | 3.78 | 0.00000413 | 0.00261 | 0.000947 | 0.00412 | 0.00679 | 0.00000829 | 3.33 | 0.00000232 | 0.0000463 | 0.0000559 | 0.000263 | 0.00832 |
| 2067 May | 24.7 | 0.00616 | 0.021 | 0.000411 | 4.2 | 0.0274 | 3.73 | 0.00000417 | 0.00305 | 0.000899 | 0.00417 | 0.00763 | 0.00000838 | 3.68 | 0.00000233 | 0.0000465 | 0.0000554 | 0.000262 | 0.00807 |
| 2067 Jun | 29 | 0.00861 | 0.017 | 0.00045 | 6 | 0.0333 | 4.14 | 0.00000443 | 0.00214 | 0.000734 | 0.00442 | 0.00949 | 0.00000889 | 4.49 | 0.00000233 | 0.0000477 | 0.0000759 | 0.000258 | 0.00693 |
| 2067 Jul | 18.8 | 0.00251 | 0.00586 | 0.00049 | 3.8 | 0.0249 | 2.65 | 0.00000486 | 0.00482 | 0.000333 | 0.00486 | 0.00648 | 0.00000973 | 3.1 | 0.00000246 | 0.0000495 | 0.0000887 | 0.000253 | 0.014 |
| 2067 Aug | 20.9 | 0.00239 | 0.0159 | 0.000455 | 4.27 | 0.0245 | 2.96 | 0.00000442 | 0.00454 | 0.000706 | 0.00442 | 0.00629 | 0.00000887 | 3.34 | 0.00000232 | 0.0000477 | 0.0000549 | 0.000258 | 0.0133 |
| 2067 Sep | 21.7 | 0.00728 | 0.0178 | 0.000444 | 4.18 | 0.0246 | 3.26 | 0.00000435 | 0.00388 | 0.000765 | 0.00435 | 0.00628 | 0.00000874 | 3.42 | 0.0000023 | 0.0000474 | 0.0000555 | 0.000259 | 0.0125 |
| 2067 Oct | 26.1 | 0.00194 | 0.0354 | 0.000365 | 5.29 | 0.0272 | 3.76 | 0.00000362 | 0.0051 | 0.00139 | 0.0036 | 0.00718 | 0.00000729 | 3.95 | 0.00000379 | 0.0000443 | 0.0000822 | 0.000324 | 0.012 |
| 2067 Nov | 23.3 | 0.00422 | 0.0343 | 0.000366 | 4.24 | 0.0232 | 3.41 | 0.00000365 | 0.00402 | 0.00134 | 0.00363 | 0.0065 | 0.00000736 | 3.51 | 0.00000214 | 0.0000445 | 0.0000608 | 0.00027 | 0.0106 |
| 2067 Dec | 23.6 | 0.00642 | 0.0285 | 0.000395 | 4.15 | 0.0248 | 3.47 | 0.00000394 | 0.0034 | 0.00111 | 0.00393 | 0.00701 | 0.00000792 | 3.59 | 0.00000222 | 0.0000457 | 0.0000585 | 0.000266 | 0.00941 |
| 2068 Jan | 23.8 | 0.00613 | 0.0301 | 0.000388 | 4.21 | 0.0247 | 3.5 | 0.00000387 | 0.00346 | 0.00117 | 0.00386 | 0.00702 | 0.00000779 | 3.61 | 0.0000022 | 0.0000454 | 0.0000591 | 0.000267 | 0.0097 |
| 2068 Feb | 23.2 | 0.00703 | 0.0251 | 0.000409 | 4.01 | 0.0251 | 3.42 | 0.00000409 | 0.00326 | 0.000984 | 0.00408 | 0.007 | 0.00000821 | 3.54 | 0.00000226 | 0.0000463 | 0.0000573 | 0.000264 | 0.00879 |
| 2068 Mar | 23.8 | 0.011 | 0.0159 | 0.000455 | 3.92 | 0.0281 | 3.58 | 0.00000455 | 0.0021 | 0.000606 | 0.00455 | 0.00802 | 0.00000912 | 3.72 | 0.00000238 | 0.0000482 | 0.0000536 | 0.000257 | 0.00687 |
| 2068 Apr | 21 | 0.00603 | 0.00388 | 0.000494 | 1.68 | 0.0332 | 3.73 | 0.00000494 | 0.00158 | 0.000284 | 0.00494 | 0.00669 | 0.00000989 | 3.01 | 0.00000248 | 0.0000498 | 0.0000505 | 0.000251 | 0.00524 |
| 2068 May | 23.9 | 0.00783 | 0.00767 | 0.000477 | 3.79 | 0.0292 | 3.64 | 0.00000475 | 0.00249 | 0.000401 | 0.00475 | 0.00784 | 0.00000952 | 3.56 | 0.00000243 | 0.0000488 | 0.0000512 | 0.000252 | 0.00581 |
| 2068 Jun | 29.3 | 0.00847 | 0.019 | 0.000451 | 6.05 | 0.0331 | 4.16 | 0.00000438 | 0.00222 | 0.000803 | 0.00437 | 0.00949 | 0.00000878 | 4.52 | 0.00000231 | 0.0000476 | 0.0000765 | 0.00026 | 0.00732 |
| 2068 Jul | 18.5 | 0.00251 | 0.00412 | 0.000494 | 3.75 | 0.025 | 2.6 | 0.00000494 | 0.00484 | 0.000269 | 0.00494 | 0.00644 | 0.00000988 | 3.07 | 0.00000248 | 0.0000498 | 0.0000895 | 0.000251 | 0.014 |
| 2068 Aug | 19.6 | 0.00253 | 0.00622 | 0.000488 | 4.06 | 0.0251 | 2.74 | 0.00000487 | 0.0046 | 0.000356 | 0.00487 | 0.0061 | 0.00000976 | 3.21 | 0.00000247 | 0.0000497 | 0.0000515 | 0.000254 | 0.0131 |
| 2068 Sep | 24.1 | 0.00651 | 0.0283 | 0.000401 | 4.65 | 0.025 | 3.57 | 0.00000403 | 0.004 | 0.00115 | 0.00402 | 0.0068 | 0.00000811 | 3.71 | 0.00000223 | 0.0000468 | 0.0000596 | 0.000272 | 0.0131 |
| 2068 Oct | 26.5 | 0.00259 | 0.0203 | 0.000435 | 5.5 | 0.0316 | 3.81 | 0.00000437 | 0.0056 | 0.000859 | 0.00436 | 0.00747 | 0.00000876 | 4.08 | 0.00000535 | 0.0000479 | 0.0000949 | 0.000362 | 0.0103 |
| 2068 Nov | 19.5 | 0.00755 | 0.00932 | 0.000474 | 3.1 | 0.0241 | 2.91 | 0.00000474 | 0.00343 | 0.000451 | 0.00474 | 0.00584 | 0.0000095 | 3.03 | 0.00000243 | 0.0000491 | 0.0000525 | 0.000256 | 0.00616 |
| 2068 Dec | 23.3 | 0.00839 | 0.0206 | 0.000435 | 3.93 | 0.0261 | 3.45 | 0.00000436 | 0.003 | 0.000829 | 0.00436 | 0.00719 | 0.00000876 | 3.57 | 0.00000232 | 0.0000479 | 0.0000563 | 0.000264 | 0.00787 |
| 2069 Jan | 24 | 0.00769 | 0.0254 | 0.000415 | 4.16 | 0.026 | 3.55 | 0.00000418 | 0.00318 | 0.00101 | 0.00417 | 0.00728 | 0.00000839 | 3.67 | 0.00000227 | 0.0000473 | 0.0000581 | 0.000268 | 0.00872 |
| 2069 Feb | 26.3 | 0.00565 | 0.0395 | 0.000359 | 4.83 | 0.0254 | 3.83 | 0.00000363 | 0.00369 | 0.00154 | 0.00361 | 0.00753 | 0.00000732 | 3.94 | 0.00000211 | 0.0000454 | 0.0000635 | 0.00028 | 0.0112 |
| 2069 Mar | 27.9 | 0.00521 | 0.0469 | 0.000331 | 5.26 | 0.0258 | 4.06 | 0.00000335 | 0.00375 | 0.00181 | 0.00333 | 0.00796 | 0.00000678 | 4.17 | 0.00000204 | 0.0000445 | 0.0000662 | 0.000286 | 0.0124 |
| 2069 Apr | 23.9 | 0.00494 | 0.023 | 0.000421 | 3.1 | 0.0303 | 3.91 | 0.00000423 | 0.00256 | 0.000975 | 0.00422 | 0.00711 | 0.00000849 | 3.47 | 0.00000228 | 0.0000474 | 0.0000576 | 0.000267 | 0.00849 |
| 2069 May | 23.9 | 0.00833 | 0.00413 | 0.000493 | 3.72 | 0.0298 | 3.65 | 0.00000494 | 0.00236 | 0.000279 | 0.00494 | 0.00795 | 0.00000988 | 3.56 | 0.00000248 | 0.0000498 | 0.0000506 | 0.000251 | 0.00528 |
| 2069 Jun | 28.8 | 0.00858 | 0.0154 | 0.000438 | 5.99 | 0.0333 | 4.08 | 0.00000445 | 0.00201 | 0.000645 | 0.00445 | 0.00946 | 0.00000892 | 4.46 | 0.00000231 | 0.0000473 | 0.0000759 | 0.000252 | 0.00665 |
| 2069 Jul | 18.4 | 0.0025 | 0.00373 | 0.000494 | 3.74 | 0.025 | 2.58 | 0.00000495 | 0.00483 | 0.000251 | 0.00495 | 0.00643 | 0.0000099 | 3.06 | 0.00000248 | 0.0000498 | 0.0000895 | 0.000251 | 0.014 |
| 2069 Aug | 20.3 | 0.00247 | 0.0109 | 0.000457 | 4.19 | 0.0249 | 2.84 | 0.00000466 | 0.00453 | 0.000498 | 0.00465 | 0.00622 | 0.00000933 | 3.28 | 0.00000239 | 0.0000486 | 0.0000528 | 0.000255 | 0.0131 |
| 2069 Sep | 22.5 | 0.00628 | 0.0239 | 0.000393 | 4.36 | 0.0241 | 3.31 | 0.00000405 | 0.00387 | 0.000913 | 0.00404 | 0.0064 | 0.00000814 | 3.49 | 0.00000219 | 0.0000457 | 0.0000556 | 0.000259 | 0.0125 |
| 2069 Oct | 26.2 | 0.00199 | 0.0397 | 0.000332 | 5.3 | 0.0261 | 3.72 | 0.00000342 | 0.00481 | 0.00142 | 0.0034 | 0.00715 | 0.00000689 | 3.94 | 0.00000327 | 0.000043 | 0.0000757 | 0.000308 | 0.0123 |
| 2069 Nov | 21.9 | 0.00543 | 0.0253 | 0.000399 | 3.83 | 0.0234 | 3.18 | 0.00000403 | 0.00373 | 0.000945 | 0.00402 | 0.00623 | 0.0000081 | 3.32 | 0.00000219 | 0.0000458 | 0.0000559 | 0.000261 | 0.00886 |
| 2069 Dec | 22.7 | 0.00777 | 0.0212 | 0.000422 | 3.86 | 0.0254 | 3.34 | 0.00000426 | 0.00303 | 0.000783 | 0.00425 | 0.00697 | 0.00000854 | 3.48 | 0.00000226 | 0.0000468 | 0.0000546 | 0.000258 | 0.00797 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.0000023 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.00000407 | 0.0000155 | 0.00025 | 0.00133 | 1.36E-16 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000247 | 0.95 | 0.000717 | 1.35 | 0.0108 | 0.000251 | 0.864 | 0.00143 | 0.00153 | 0.0000425 | 0.000147 | 0.0000413 | 0.0258 | 0.00000504 | 0.0000573 | 0.00032 | 0.00147 | 0.000325 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000254 | 1.49 | 0.00137 | 1.87 | 0.0355 | 0.000816 | 1.31 | 0.00386 | 0.00221 | 0.000262 | 0.000524 | 0.0000882 | 0.0565 | 0.00000617 | 0.000162 | 0.000565 | 0.00165 | 0.00126 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000193 | 0.62 | 0.000498 | 0.931 | 0.000575 | 0.000025 | 0.591 | 0.00025 | 0.001 | 0.0000229 | 0.0000487 | 0.0000249 | 0.0126 | 0.00000386 | 0.000012 | 0.000194 | 0.00121 | 0.00000164 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000237 | 0.755 | 0.000512 | 1.14 | 0.00209 | 0.0000491 | 0.706 | 0.000609 | 0.00129 | 0.0000704 | 0.0000546 | 0.0000268 | 0.0171 | 0.00000473 | 0.0000189 | 0.000241 | 0.00148 | 0.0000439 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.0000025 | 1.03 | 0.000756 | 1.54 | 0.0169 | 0.000347 | 0.929 | 0.00209 | 0.00204 | 0.000778 | 0.000137 | 0.000054 | 0.0305 | 0.000005 | 0.000078 | 0.000306 | 0.00255 | 0.000621 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000175 | 0.623 | 0.0005 | 0.931 | 0.000575 | 0.000025 | 0.564 | 0.000351 | 0.001 | 0.0000211 | 0.00005 | 0.000025 | 0.0126 | 0.00000325 | 0.0000153 | 0.000178 | 0.00103 | 0.00000224 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000228 | 0.774 | 0.00057 | 1.13 | 0.00362 | 0.000104 | 0.684 | 0.000842 | 0.00137 | 0.0000535 | 0.0000571 | 0.0000283 | 0.019 | 0.00000439 | 0.0000294 | 0.000226 | 0.00136 | 0.0000255 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.0000025 | 1.03 | 0.000798 | 1.52 | 0.00998 | 0.000287 | 0.909 | 0.00164 | 0.00202 | 0.000554 | 0.0000833 | 0.0000406 | 0.0309 | 0.000005 | 0.0000561 | 0.00025 | 0.00206 | 0.0000887 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000247 | 0.845 | 0.000621 | 1.22 | 0.00518 | 0.000106 | 0.801 | 0.000748 | 0.00137 | 0.0000273 | 0.00013 | 0.0000295 | 0.0204 | 0.00000535 | 0.0000323 | 0.000294 | 0.0015 | |
| 2024 Feb | 0.00000248 | 0.837 | 0.000613 | 1.21 | 0.00487 | 0.0001 | 0.795 | 0.000729 | 0.00137 | 0.0000271 | 0.000124 | 0.0000292 | 0.02 | 0.00000533 | 0.000031 | 0.000291 | 0.0015 | |
| 2024 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2024 Apr | 0.0000025 | 0.769 | 0.000504 | 1.08 | 0.000722 | 0.0000277 | 0.743 | 0.000693 | 0.0013 | 0.0000251 | 0.0000526 | 0.0000251 | 0.0127 | 0.00000501 | 0.0000161 | 0.000251 | 0.0015 | 1.36E-16 |
| 2024 May | 0.00000247 | 0.848 | 0.00056 | 1.28 | 0.00279 | 0.0000689 | 0.831 | 0.000804 | 0.00104 | 0.0000261 | 0.000089 | 0.000027 | 0.0197 | 0.00000512 | 0.0000248 | 0.000272 | 0.00149 | 0.00000025 |
| 2024 Jun | 0.00000236 | 1.22 | 0.000851 | 1.63 | 0.0124 | 0.000298 | 1.11 | 0.00135 | 0.0019 | 0.00003 | 0.000262 | 0.0000361 | 0.037 | 0.00000555 | 0.0000701 | 0.000378 | 0.00146 | 0.0000318 |
| 2024 Jul | 0.00000245 | 0.958 | 0.000846 | 1.29 | 0.0131 | 0.00029 | 0.888 | 0.00131 | 0.00125 | 0.0000297 | 0.000245 | 0.0000366 | 0.0309 | 0.0000056 | 0.0000695 | 0.000377 | 0.0015 | 0.0000521 |
| 2024 Aug | 0.00000249 | 0.978 | 0.000846 | 1.24 | 0.0122 | 0.000297 | 0.877 | 0.00114 | 0.00126 | 0.0000296 | 0.000239 | 0.0000371 | 0.0314 | 0.00000562 | 0.00007 | 0.000377 | 0.00152 | 0.0000655 |
| 2024 Sep | 0.00000241 | 1.18 | 0.00108 | 1.47 | 0.0203 | 0.000505 | 1.06 | 0.00174 | 0.00144 | 0.0000315 | 0.000363 | 0.000051 | 0.0423 | 0.0000058 | 0.000109 | 0.000458 | 0.00147 | 0.000185 |
| 2024 Oct | 0.00000238 | 1.49 | 0.00137 | 1.78 | 0.0307 | 0.000769 | 1.31 | 0.00271 | 0.00168 | 0.000175 | 0.000524 | 0.0000621 | 0.0565 | 0.00000617 | 0.000159 | 0.000565 | 0.00165 | 0.000338 |
| 2024 Nov | 0.00000246 | 0.993 | 0.000889 | 1.32 | 0.0143 | 0.000363 | 0.908 | 0.00136 | 0.00183 | 0.0000313 | 0.000257 | 0.0000426 | 0.0317 | 0.00000552 | 0.0000779 | 0.000391 | 0.00149 | 0.000173 |
| 2024 Dec | 0.00000249 | 0.9 | 0.000697 | 1.28 | 0.00756 | 0.000197 | 0.841 | 0.00101 | 0.00141 | 0.0000285 | 0.000154 | 0.0000341 | 0.024 | 0.00000527 | 0.0000469 | 0.000322 | 0.0015 | 0.0000924 |
| 2025 Jan | 0.00000249 | 0.905 | 0.000702 | 1.29 | 0.00775 | 0.000202 | 0.845 | 0.00103 | 0.00141 | 0.0000287 | 0.000156 | 0.0000344 | 0.0242 | 0.00000527 | 0.0000478 | 0.000323 | 0.0015 | 0.0000969 |
| 2025 Feb | 0.00000249 | 0.886 | 0.00068 | 1.27 | 0.00701 | 0.000183 | 0.83 | 0.000977 | 0.0014 | 0.0000283 | 0.000145 | 0.0000335 | 0.0232 | 0.00000525 | 0.0000442 | 0.000316 | 0.0015 | 0.000112 |
| 2025 Mar | 0.00000249 | 0.974 | 0.000673 | 1.4 | 0.00675 | 0.000177 | 0.911 | 0.00116 | 0.00157 | 0.0000283 | 0.000141 | 0.0000332 | 0.0245 | 0.00000524 | 0.0000445 | 0.000313 | 0.0015 | 0.0000863 |
| 2025 Apr | 0.00000249 | 0.898 | 0.000658 | 1.2 | 0.00613 | 0.000164 | 0.845 | 0.0011 | 0.00139 | 0.000028 | 0.000133 | 0.0000326 | 0.0201 | 0.00000522 | 0.0000419 | 0.000308 | 0.0015 | 0.000126 |
| 2025 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2025 Jun | 0.00000242 | 1.12 | 0.000664 | 1.62 | 0.00739 | 0.000195 | 1.02 | 0.00126 | 0.00206 | 0.0000274 | 0.000138 | 0.0000349 | 0.0301 | 0.00000503 | 0.0000464 | 0.000307 | 0.00144 | 0.00018 |
| 2025 Jul | 0.00000247 | 0.95 | 0.000803 | 1.33 | 0.0146 | 0.000327 | 0.857 | 0.0017 | 0.00141 | 0.0000291 | 0.000197 | 0.000045 | 0.0294 | 0.00000518 | 0.0000738 | 0.000355 | 0.00145 | 0.000326 |
| 2025 Aug | 0.00000252 | 0.923 | 0.000762 | 1.23 | 0.012 | 0.000287 | 0.81 | 0.00135 | 0.00136 | 0.0000286 | 0.000172 | 0.0000425 | 0.0278 | 0.00000521 | 0.0000658 | 0.000341 | 0.00148 | 0.000283 |
| 2025 Sep | 0.00000242 | 1.03 | 0.000887 | 1.39 | 0.0185 | 0.00044 | 0.907 | 0.00192 | 0.0015 | 0.0000293 | 0.000231 | 0.0000573 | 0.0339 | 0.00000505 | 0.0000927 | 0.000379 | 0.00139 | 0.000495 |
| 2025 Oct | 0.00000238 | 1.3 | 0.00109 | 1.7 | 0.0286 | 0.000691 | 1.09 | 0.00317 | 0.00177 | 0.000262 | 0.000331 | 0.0000725 | 0.0445 | 0.00000499 | 0.000137 | 0.000445 | 0.00164 | 0.000834 |
| 2025 Nov | 0.00000245 | 1.03 | 0.000892 | 1.41 | 0.0191 | 0.000468 | 0.901 | 0.00215 | 0.00196 | 0.0000459 | 0.000226 | 0.0000572 | 0.0322 | 0.00000502 | 0.0000937 | 0.000379 | 0.00141 | 0.000565 |
| 2025 Dec | 0.00000249 | 0.871 | 0.000654 | 1.28 | 0.00792 | 0.000199 | 0.805 | 0.00119 | 0.00146 | 0.0000335 | 0.000118 | 0.0000378 | 0.0221 | 0.00000502 | 0.0000455 | 0.000301 | 0.00147 | 0.000224 |
| 2026 Jan | 0.00000249 | 0.875 | 0.000659 | 1.28 | 0.00811 | 0.000204 | 0.808 | 0.00122 | 0.00146 | 0.0000338 | 0.00012 | 0.0000382 | 0.0223 | 0.00000502 | 0.0000463 | 0.000302 | 0.00147 | 0.000231 |
| 2026 Feb | 0.00000249 | 0.883 | 0.000667 | 1.29 | 0.00848 | 0.000213 | 0.814 | 0.00125 | 0.00147 | 0.0000342 | 0.000123 | 0.0000389 | 0.0226 | 0.00000502 | 0.000048 | 0.000305 | 0.00147 | 0.000243 |
| 2026 Mar | 0.0000025 | 0.924 | 0.000605 | 1.37 | 0.00555 | 0.000143 | 0.863 | 0.00117 | 0.00159 | 0.0000308 | 0.0000959 | 0.0000337 | 0.0214 | 0.00000502 | 0.0000367 | 0.000285 | 0.00148 | 0.000215 |
| 2026 Apr | 0.0000025 | 0.811 | 0.000552 | 1.13 | 0.00301 | 0.0000837 | 0.772 | 0.000916 | 0.00135 | 0.0000279 | 0.0000728 | 0.0000293 | 0.0151 | 0.00000501 | 0.000026 | 0.000267 | 0.00149 | 0.000163 |
| 2026 May | 0.0000025 | 0.81 | 0.000512 | 1.26 | 0.00116 | 0.0000381 | 0.8 | 0.000743 | 0.00102 | 0.0000256 | 0.000055 | 0.000026 | 0.0176 | 0.000005 | 0.0000179 | 0.000254 | 0.0015 | 0.000178 |
| 2026 Jun | 0.00000238 | 1.13 | 0.000723 | 1.63 | 0.0122 | 0.000302 | 1.01 | 0.0018 | 0.00209 | 0.00003 | 0.000144 | 0.0000453 | 0.0317 | 0.00000474 | 0.0000644 | 0.000314 | 0.00137 | 0.000407 |
| 2026 Jul | 0.00000246 | 0.918 | 0.000773 | 1.32 | 0.0153 | 0.000334 | 0.816 | 0.0019 | 0.00147 | 0.0000292 | 0.000153 | 0.000049 | 0.0276 | 0.00000488 | 0.0000731 | 0.000331 | 0.00141 | 0.000479 |
| 2026 Aug | 0.00000249 | 0.953 | 0.000792 | 1.29 | 0.0153 | 0.000355 | 0.819 | 0.00178 | 0.0015 | 0.0000292 | 0.000157 | 0.0000507 | 0.0289 | 0.00000492 | 0.0000769 | 0.000337 | 0.00142 | 0.000511 |
| 2026 Sep | 0.00000249 | 1.11 | 0.00095 | 1.52 | 0.0229 | 0.000527 | 0.951 | 0.00248 | 0.00177 | 0.0000312 | 0.000213 | 0.0000683 | 0.0363 | 0.00000487 | 0.000108 | 0.000383 | 0.00137 | 0.000795 |
| 2026 Oct | 0.00000249 | 1.42 | 0.00121 | 1.87 | 0.0355 | 0.000816 | 1.16 | 0.00386 | 0.00221 | 0.000196 | 0.000312 | 0.0000882 | 0.0487 | 0.0000048 | 0.000162 | 0.000459 | 0.00153 | 0.00126 |
| 2026 Nov | 0.0000025 | 0.859 | 0.000727 | 1.24 | 0.0118 | 0.000279 | 0.773 | 0.00138 | 0.00199 | 0.0000281 | 0.000131 | 0.0000453 | 0.0238 | 0.00000494 | 0.0000596 | 0.000317 | 0.00144 | 0.000404 |
| 2026 Dec | 0.0000025 | 0.854 | 0.000633 | 1.27 | 0.00721 | 0.000174 | 0.789 | 0.00111 | 0.00148 | 0.0000268 | 0.0000974 | 0.0000369 | 0.0209 | 0.00000496 | 0.0000414 | 0.000289 | 0.00146 | 0.000237 |
| 2027 Jan | 0.0000025 | 0.829 | 0.000606 | 1.24 | 0.00589 | 0.000144 | 0.772 | 0.000985 | 0.00144 | 0.0000265 | 0.0000877 | 0.0000345 | 0.0197 | 0.00000497 | 0.0000358 | 0.000281 | 0.00147 | 0.000189 |
| 2027 Feb | 0.0000025 | 0.831 | 0.000609 | 1.24 | 0.00603 | 0.000147 | 0.774 | 0.000999 | 0.00145 | 0.0000265 | 0.0000888 | 0.0000348 | 0.0198 | 0.00000497 | 0.0000364 | 0.000282 | 0.00147 | 0.000194 |
| 2027 Mar | 0.0000025 | 0.866 | 0.000532 | 1.32 | 0.00222 | 0.0000604 | 0.822 | 0.000853 | 0.00154 | 0.0000254 | 0.0000613 | 0.0000278 | 0.0181 | 0.00000499 | 0.000022 | 0.000259 | 0.00149 | 0.000194 |
| 2027 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2027 May | 0.0000025 | 0.829 | 0.000534 | 1.28 | 0.00235 | 0.0000648 | 0.811 | 0.000854 | 0.00106 | 0.0000255 | 0.0000622 | 0.0000282 | 0.0185 | 0.00000498 | 0.0000227 | 0.00026 | 0.00149 | 0.000283 |
| 2027 Jun | 0.00000241 | 1.13 | 0.000694 | 1.65 | 0.0125 | 0.000274 | 0.995 | 0.00178 | 0.00215 | 0.0000269 | 0.000118 | 0.000046 | 0.0307 | 0.00000467 | 0.0000609 | 0.000302 | 0.00137 | 0.000434 |
| 2027 Jul | 0.00000253 | 1.01 | 0.00085 | 1.45 | 0.0223 | 0.000424 | 0.865 | 0.00246 | 0.00169 | 0.0000294 | 0.000155 | 0.0000611 | 0.0308 | 0.00000476 | 0.0000924 | 0.000346 | 0.00139 | 0.000712 |
| 2027 Aug | 0.00000254 | 0.951 | 0.00078 | 1.3 | 0.0173 | 0.000348 | 0.801 | 0.00191 | 0.00154 | 0.0000286 | 0.000132 | 0.0000537 | 0.0281 | 0.00000483 | 0.000077 | 0.000326 | 0.00142 | 0.000559 |
| 2027 Sep | 0.00000246 | 0.857 | 0.000706 | 1.26 | 0.0138 | 0.000278 | 0.758 | 0.00152 | 0.00139 | 0.0000271 | 0.000112 | 0.0000521 | 0.0253 | 0.00000472 | 0.000062 | 0.000302 | 0.00139 | 0.000438 |
| 2027 Oct | 0.0000023 | 1.18 | 0.000969 | 1.64 | 0.0321 | 0.000652 | 0.947 | 0.00359 | 0.00188 | 0.000224 | 0.000204 | 0.0000798 | 0.0382 | 0.00000407 | 0.000128 | 0.000364 | 0.00145 | 0.00107 |
| 2027 Nov | 0.00000241 | 0.922 | 0.000782 | 1.34 | 0.0192 | 0.000399 | 0.791 | 0.00219 | 0.00199 | 0.0000339 | 0.000135 | 0.000058 | 0.0268 | 0.0000045 | 0.0000802 | 0.00032 | 0.00133 | 0.000639 |
| 2027 Dec | 0.00000247 | 0.842 | 0.000622 | 1.26 | 0.00867 | 0.000186 | 0.769 | 0.00128 | 0.00148 | 0.000029 | 0.0000868 | 0.0000393 | 0.0205 | 0.00000479 | 0.0000429 | 0.000281 | 0.00143 | 0.000276 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000247 | 0.826 | 0.000605 | 1.25 | 0.00749 | 0.000163 | 0.76 | 0.00116 | 0.00145 | 0.0000285 | 0.0000813 | 0.0000372 | 0.0197 | 0.00000483 | 0.0000386 | 0.000276 | 0.00144 | 0.000235 |
| 2028 Feb | 0.00000248 | 0.822 | 0.000601 | 1.24 | 0.00721 | 0.000157 | 0.758 | 0.00114 | 0.00145 | 0.0000283 | 0.0000801 | 0.0000367 | 0.0195 | 0.00000484 | 0.0000376 | 0.000275 | 0.00145 | 0.000243 |
| 2028 Mar | 0.00000249 | 0.887 | 0.000561 | 1.34 | 0.00465 | 0.000106 | 0.83 | 0.00109 | 0.00157 | 0.000027 | 0.0000683 | 0.0000322 | 0.0194 | 0.0000049 | 0.0000299 | 0.000265 | 0.00147 | 0.000194 |
| 2028 Apr | 0.0000025 | 0.777 | 0.000514 | 1.09 | 0.00149 | 0.0000436 | 0.746 | 0.000774 | 0.00132 | 0.0000255 | 0.0000542 | 0.0000267 | 0.0132 | 0.00000498 | 0.0000188 | 0.000254 | 0.00149 | 0.000191 |
| 2028 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2028 Jun | 0.00000238 | 1.08 | 0.000631 | 1.6 | 0.00966 | 0.000212 | 0.956 | 0.00158 | 0.00211 | 0.0000268 | 0.0000891 | 0.0000411 | 0.0281 | 0.00000457 | 0.0000488 | 0.000278 | 0.00136 | 0.000353 |
| 2028 Jul | 0.00000247 | 0.734 | 0.000599 | 1.13 | 0.00828 | 0.000147 | 0.676 | 0.00123 | 0.00122 | 0.0000261 | 0.0000763 | 0.0000361 | 0.0195 | 0.0000048 | 0.0000398 | 0.000273 | 0.00144 | 0.000361 |
| 2028 Aug | 0.0000025 | 0.704 | 0.000549 | 0.998 | 0.00418 | 0.0000915 | 0.629 | 0.000685 | 0.00111 | 0.0000256 | 0.0000627 | 0.0000304 | 0.0179 | 0.00000492 | 0.0000287 | 0.000262 | 0.00148 | 0.000173 |
| 2028 Sep | 0.00000249 | 0.738 | 0.000589 | 1.12 | 0.00625 | 0.000131 | 0.683 | 0.000786 | 0.00119 | 0.000026 | 0.000073 | 0.0000407 | 0.0203 | 0.00000485 | 0.000036 | 0.000271 | 0.00145 | 0.000266 |
| 2028 Oct | 0.00000238 | 1.03 | 0.000756 | 1.46 | 0.0169 | 0.000347 | 0.848 | 0.00209 | 0.00155 | 0.000446 | 0.000137 | 0.000054 | 0.0305 | 0.00000437 | 0.000078 | 0.000306 | 0.00188 | 0.000621 |
| 2028 Nov | 0.0000024 | 0.822 | 0.000686 | 1.2 | 0.0124 | 0.000261 | 0.722 | 0.00143 | 0.00193 | 0.0000304 | 0.0000997 | 0.0000462 | 0.0225 | 0.00000452 | 0.0000589 | 0.00029 | 0.00135 | 0.000455 |
| 2028 Dec | 0.00000245 | 0.815 | 0.000596 | 1.22 | 0.00675 | 0.000147 | 0.748 | 0.00105 | 0.00145 | 0.0000278 | 0.0000757 | 0.0000359 | 0.0194 | 0.00000475 | 0.0000377 | 0.000271 | 0.00142 | 0.000235 |
| 2029 Jan | 0.00000245 | 0.806 | 0.000586 | 1.21 | 0.00611 | 0.000134 | 0.744 | 0.00099 | 0.00144 | 0.0000275 | 0.000073 | 0.0000348 | 0.019 | 0.00000478 | 0.0000352 | 0.000269 | 0.00143 | 0.00021 |
| 2029 Feb | 0.00000246 | 0.805 | 0.000585 | 1.21 | 0.00606 | 0.000133 | 0.743 | 0.000984 | 0.00143 | 0.0000275 | 0.0000728 | 0.0000347 | 0.0189 | 0.00000478 | 0.000035 | 0.000268 | 0.00143 | 0.000208 |
| 2029 Mar | 0.00000247 | 0.883 | 0.000563 | 1.33 | 0.00466 | 0.000105 | 0.822 | 0.00106 | 0.00158 | 0.0000269 | 0.0000669 | 0.0000322 | 0.0195 | 0.00000484 | 0.000031 | 0.000264 | 0.00145 | 0.000184 |
| 2029 Apr | 0.00000249 | 0.787 | 0.000527 | 1.1 | 0.0023 | 0.0000596 | 0.75 | 0.000837 | 0.00134 | 0.0000258 | 0.0000573 | 0.0000281 | 0.014 | 0.00000493 | 0.0000222 | 0.000256 | 0.00148 | 0.0002 |
| 2029 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2029 Jun | 0.00000241 | 1.01 | 0.00052 | 1.54 | 0.00254 | 0.0000662 | 0.929 | 0.000884 | 0.00204 | 0.0000263 | 0.0000574 | 0.0000281 | 0.0243 | 0.00000477 | 0.0000223 | 0.00025 | 0.00143 | 0.00012 |
| 2029 Jul | 0.00000242 | 0.642 | 0.000512 | 1.02 | 0.00378 | 0.0000538 | 0.614 | 0.000781 | 0.00105 | 0.0000253 | 0.0000548 | 0.000027 | 0.0157 | 0.00000481 | 0.0000217 | 0.000248 | 0.00144 | 0.0000706 |
| 2029 Aug | 0.00000245 | 0.665 | 0.000511 | 0.948 | 0.0024 | 0.0000551 | 0.601 | 0.000503 | 0.00104 | 0.0000251 | 0.0000537 | 0.0000266 | 0.0164 | 0.00000486 | 0.0000214 | 0.000249 | 0.00146 | 0.000067 |
| 2029 Sep | 0.00000225 | 0.702 | 0.000546 | 1.06 | 0.00581 | 0.000122 | 0.643 | 0.000746 | 0.00116 | 0.0000248 | 0.0000661 | 0.0000366 | 0.0193 | 0.00000438 | 0.0000332 | 0.000244 | 0.00131 | 0.000181 |
| 2029 Oct | 0.00000239 | 0.856 | 0.000521 | 1.28 | 0.00314 | 0.0000691 | 0.737 | 0.000825 | 0.00107 | 0.00067 | 0.0000873 | 0.0000281 | 0.0218 | 0.00000472 | 0.0000236 | 0.000247 | 0.00231 | 0.000115 |
| 2029 Nov | 0.00000243 | 0.639 | 0.000513 | 0.995 | 0.00211 | 0.0000528 | 0.611 | 0.000392 | 0.00177 | 0.000025 | 0.0000546 | 0.000027 | 0.0141 | 0.00000482 | 0.0000174 | 0.000248 | 0.00145 | 0.0000575 |
| 2029 Dec | 0.0000024 | 0.743 | 0.000519 | 1.14 | 0.00266 | 0.000064 | 0.702 | 0.000649 | 0.00132 | 0.000025 | 0.0000565 | 0.0000278 | 0.0162 | 0.00000475 | 0.0000212 | 0.000248 | 0.00142 | 0.0000725 |
| 2030 Jan | 0.00000238 | 0.745 | 0.000522 | 1.14 | 0.00299 | 0.0000707 | 0.701 | 0.000678 | 0.00133 | 0.000025 | 0.0000576 | 0.0000283 | 0.0165 | 0.00000471 | 0.0000225 | 0.000247 | 0.00141 | 0.0000849 |
| 2030 Feb | 0.00000243 | 0.739 | 0.000514 | 1.14 | 0.00212 | 0.0000534 | 0.703 | 0.000603 | 0.00132 | 0.000025 | 0.0000547 | 0.000027 | 0.0159 | 0.00000482 | 0.0000192 | 0.000248 | 0.00144 | 0.0000822 |
| 2030 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2030 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2030 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2030 Jun | 0.00000235 | 0.986 | 0.000507 | 1.49 | 0.00229 | 0.0000606 | 0.902 | 0.000833 | 0.00198 | 0.0000243 | 0.0000548 | 0.0000271 | 0.0236 | 0.00000465 | 0.0000209 | 0.000242 | 0.00139 | 0.0000656 |
| 2030 Jul | 0.00000237 | 0.64 | 0.000507 | 1.01 | 0.00376 | 0.0000544 | 0.61 | 0.000766 | 0.00105 | 0.0000242 | 0.0000539 | 0.0000267 | 0.0158 | 0.00000471 | 0.0000215 | 0.000243 | 0.00141 | 0.0000563 |
| 2030 Aug | 0.00000239 | 0.666 | 0.000509 | 0.948 | 0.00265 | 0.0000601 | 0.6 | 0.000522 | 0.00105 | 0.0000243 | 0.0000538 | 0.0000267 | 0.0166 | 0.00000475 | 0.0000221 | 0.000244 | 0.00143 | 0.0000497 |
| 2030 Sep | 0.00000234 | 0.666 | 0.000515 | 1.02 | 0.00306 | 0.000066 | 0.628 | 0.000457 | 0.00107 | 0.000024 | 0.0000558 | 0.0000332 | 0.0176 | 0.00000464 | 0.0000226 | 0.000242 | 0.00139 | 0.0000718 |
| 2030 Oct | 0.00000226 | 0.833 | 0.00052 | 1.24 | 0.00391 | 0.0000842 | 0.715 | 0.00085 | 0.00108 | 0.00059 | 0.0000844 | 0.0000286 | 0.0216 | 0.00000445 | 0.000026 | 0.000237 | 0.00212 | 0.000114 |
| 2030 Nov | 0.00000208 | 0.679 | 0.000535 | 1 | 0.00595 | 0.000128 | 0.61 | 0.00076 | 0.00157 | 0.000039 | 0.0000647 | 0.0000312 | 0.0174 | 0.00000404 | 0.0000318 | 0.000227 | 0.00123 | 0.000178 |
| 2030 Dec | 0.00000231 | 0.734 | 0.000516 | 1.11 | 0.00306 | 0.0000715 | 0.687 | 0.000664 | 0.0013 | 0.0000314 | 0.0000567 | 0.0000278 | 0.0165 | 0.00000456 | 0.0000224 | 0.00024 | 0.00138 | 0.0000805 |
| 2031 Jan | 0.00000235 | 0.733 | 0.000512 | 1.12 | 0.00254 | 0.0000613 | 0.691 | 0.000623 | 0.0013 | 0.00003 | 0.0000552 | 0.0000272 | 0.0161 | 0.00000466 | 0.0000205 | 0.000242 | 0.00141 | 0.0000628 |
| 2031 Feb | 0.00000235 | 0.733 | 0.000512 | 1.12 | 0.00251 | 0.0000606 | 0.691 | 0.000621 | 0.0013 | 0.00003 | 0.0000551 | 0.0000271 | 0.0161 | 0.00000467 | 0.0000203 | 0.000242 | 0.00141 | 0.0000616 |
| 2031 Mar | 0.00000241 | 0.831 | 0.000508 | 1.26 | 0.00184 | 0.0000479 | 0.787 | 0.000778 | 0.00148 | 0.0000282 | 0.0000533 | 0.0000264 | 0.0173 | 0.00000479 | 0.0000195 | 0.000245 | 0.00144 | 0.0000615 |
| 2031 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2031 May | 0.00000246 | 0.797 | 0.000503 | 1.24 | 0.0011 | 0.0000344 | 0.785 | 0.000718 | 0.00101 | 0.0000268 | 0.0000513 | 0.0000256 | 0.0173 | 0.00000491 | 0.0000172 | 0.000248 | 0.00148 | 0.0000503 |
| 2031 Jun | 0.00000237 | 0.987 | 0.000503 | 1.5 | 0.00171 | 0.000049 | 0.906 | 0.000783 | 0.00197 | 0.0000286 | 0.0000528 | 0.0000261 | 0.0234 | 0.0000047 | 0.0000187 | 0.000241 | 0.00142 | 0.0000436 |
| 2031 Jul | 0.0000025 | 0.62 | 0.0005 | 1.01 | 0.00252 | 0.0000251 | 0.605 | 0.00067 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0147 | 0.000005 | 0.0000165 | 0.00025 | 0.0015 | 0.00000516 |
| 2031 Aug | 0.00000241 | 0.661 | 0.000507 | 0.943 | 0.00229 | 0.0000528 | 0.598 | 0.000485 | 0.00102 | 0.000027 | 0.0000527 | 0.0000262 | 0.0163 | 0.0000048 | 0.0000208 | 0.000245 | 0.00144 | 0.0000507 |
| 2031 Sep | 0.00000221 | 0.666 | 0.000517 | 1.01 | 0.00386 | 0.0000827 | 0.618 | 0.000527 | 0.00105 | 0.0000277 | 0.000057 | 0.000033 | 0.0179 | 0.00000437 | 0.0000253 | 0.000231 | 0.00131 | 0.0000937 |
| 2031 Oct | 0.00000207 | 0.795 | 0.000522 | 1.16 | 0.00505 | 0.000108 | 0.677 | 0.00087 | 0.00106 | 0.000464 | 0.0000799 | 0.0000295 | 0.0212 | 0.00000405 | 0.0000296 | 0.000221 | 0.00183 | 0.000133 |
| 2031 Nov | 0.00000219 | 0.649 | 0.000516 | 0.977 | 0.0038 | 0.0000857 | 0.598 | 0.000533 | 0.00159 | 0.000035 | 0.0000574 | 0.0000283 | 0.0156 | 0.0000043 | 0.0000235 | 0.000229 | 0.00131 | 0.0000975 |
| 2031 Dec | 0.00000233 | 0.727 | 0.000509 | 1.11 | 0.00236 | 0.0000579 | 0.684 | 0.000594 | 0.00127 | 0.0000305 | 0.000054 | 0.0000268 | 0.016 | 0.00000462 | 0.0000197 | 0.000239 | 0.0014 | 0.0000528 |
| 2032 Jan | 0.00000234 | 0.727 | 0.000508 | 1.11 | 0.00222 | 0.000055 | 0.686 | 0.000584 | 0.00128 | 0.00003 | 0.0000537 | 0.0000266 | 0.0159 | 0.00000466 | 0.0000192 | 0.00024 | 0.0014 | 0.0000481 |
| 2032 Feb | 0.00000235 | 0.727 | 0.000508 | 1.11 | 0.0022 | 0.0000547 | 0.686 | 0.000583 | 0.00128 | 0.0000299 | 0.0000536 | 0.0000266 | 0.0159 | 0.00000466 | 0.0000191 | 0.00024 | 0.00141 | 0.0000477 |
| 2032 Mar | 0.0000024 | 0.827 | 0.000505 | 1.26 | 0.00165 | 0.0000442 | 0.784 | 0.000753 | 0.00146 | 0.0000282 | 0.0000523 | 0.000026 | 0.0172 | 0.00000478 | 0.0000188 | 0.000243 | 0.00144 | 0.0000397 |
| 2032 Apr | 0.0000025 | 0.765 | 0.0005 | 1.07 | 0.000622 | 0.0000259 | 0.739 | 0.000687 | 0.0013 | 0.0000252 | 0.0000501 | 0.000025 | 0.0126 | 0.00000499 | 0.0000157 | 0.00025 | 0.0015 | 0.0000439 |
| 2032 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2032 Jun | 0.00000233 | 0.983 | 0.0005 | 1.49 | 0.0017 | 0.0000487 | 0.9 | 0.000767 | 0.00197 | 0.0000278 | 0.0000521 | 0.0000259 | 0.0234 | 0.00000464 | 0.0000185 | 0.000237 | 0.0014 | 0.000041 |
| 2032 Jul | 0.00000235 | 0.642 | 0.000507 | 1.01 | 0.00355 | 0.0000504 | 0.61 | 0.00073 | 0.00105 | 0.0000256 | 0.0000526 | 0.0000263 | 0.0159 | 0.00000468 | 0.0000206 | 0.000239 | 0.00141 | 0.0000376 |
| 2032 Aug | 0.00000237 | 0.671 | 0.000512 | 0.953 | 0.00259 | 0.0000588 | 0.602 | 0.000501 | 0.00105 | 0.0000253 | 0.000053 | 0.0000265 | 0.0168 | 0.00000471 | 0.0000217 | 0.000241 | 0.00141 | 0.000038 |
| 2032 Sep | 0.00000238 | 0.662 | 0.000512 | 1.02 | 0.00224 | 0.0000495 | 0.629 | 0.000362 | 0.00105 | 0.0000251 | 0.0000529 | 0.0000324 | 0.0173 | 0.00000474 | 0.0000195 | 0.000242 | 0.00142 | 0.0000378 |
| 2032 Oct | 0.00000222 | 0.846 | 0.00053 | 1.25 | 0.00385 | 0.0000833 | 0.722 | 0.000808 | 0.00111 | 0.000567 | 0.0000821 | 0.0000285 | 0.0221 | 0.00000438 | 0.0000254 | 0.000231 | 0.00207 | 0.000104 |
| 2032 Nov | 0.00000241 | 0.637 | 0.000509 | 0.99 | 0.00162 | 0.0000429 | 0.609 | 0.000331 | 0.00176 | 0.0000255 | 0.0000522 | 0.0000261 | 0.014 | 0.00000481 | 0.0000154 | 0.000244 | 0.00144 | 0.0000257 |
| 2032 Dec | 0.00000237 | 0.74 | 0.000514 | 1.13 | 0.00205 | 0.0000516 | 0.699 | 0.000571 | 0.00131 | 0.0000257 | 0.0000532 | 0.0000266 | 0.0161 | 0.00000472 | 0.0000186 | 0.000241 | 0.00142 | 0.0000383 |
| 2033 Jan | 0.00000236 | 0.741 | 0.000515 | 1.13 | 0.00218 | 0.0000543 | 0.699 | 0.00058 | 0.00131 | 0.0000258 | 0.0000535 | 0.0000268 | 0.0162 | 0.00000469 | 0.000019 | 0.000241 | 0.00141 | 0.000042 |
| 2033 Feb | 0.00000235 | 0.742 | 0.000516 | 1.13 | 0.00227 | 0.000056 | 0.698 | 0.000586 | 0.00131 | 0.0000258 | 0.0000537 | 0.0000269 | 0.0163 | 0.00000467 | 0.0000193 | 0.00024 | 0.0014 | 0.0000445 |
| 2033 Mar | 0.00000243 | 0.838 | 0.000508 | 1.28 | 0.00145 | 0.0000402 | 0.795 | 0.000745 | 0.00149 | 0.0000254 | 0.0000518 | 0.0000259 | 0.0173 | 0.00000484 | 0.0000181 | 0.000245 | 0.00145 | 0.0000452 |
| 2033 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2033 May | 0.00000241 | 0.794 | 0.000505 | 1.23 | 0.00137 | 0.0000396 | 0.777 | 0.00072 | 0.00101 | 0.0000255 | 0.0000515 | 0.0000257 | 0.0174 | 0.00000481 | 0.0000179 | 0.000244 | 0.00144 | 0.000038 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 0.00000233 | 0.977 | 0.000502 | 1.48 | 0.00165 | 0.0000476 | 0.896 | 0.000755 | 0.00193 | 0.0000245 | 0.0000515 | 0.0000258 | 0.0232 | 0.00000463 | 0.0000182 | 0.000236 | 0.00139 | 0.0000346 |
| 2033 Jul | 0.00000245 | 0.625 | 0.000503 | 1.01 | 0.00282 | 0.0000325 | 0.605 | 0.000685 | 0.00101 | 0.0000248 | 0.0000507 | 0.0000254 | 0.015 | 0.0000049 | 0.0000177 | 0.000246 | 0.00147 | 0.0000196 |
| 2033 Aug | 0.00000247 | 0.654 | 0.000503 | 0.935 | 0.00164 | 0.0000397 | 0.595 | 0.000423 | 0.00101 | 0.0000249 | 0.0000506 | 0.0000253 | 0.0159 | 0.00000493 | 0.0000185 | 0.000248 | 0.00148 | 0.0000359 |
| 2033 Sep | 0.00000218 | 0.674 | 0.000524 | 1.01 | 0.00371 | 0.0000791 | 0.621 | 0.000483 | 0.00105 | 0.0000232 | 0.0000551 | 0.0000326 | 0.0182 | 0.00000431 | 0.0000243 | 0.000225 | 0.00129 | 0.0000707 |
| 2033 Oct | 0.00000204 | 0.801 | 0.000527 | 1.16 | 0.00454 | 0.0000966 | 0.679 | 0.000783 | 0.00105 | 0.00047 | 0.000077 | 0.0000286 | 0.0215 | 0.00000402 | 0.0000271 | 0.000214 | 0.00183 | 0.0000923 |
| 2033 Nov | 0.000002 | 0.667 | 0.000529 | 0.977 | 0.00468 | 0.000102 | 0.596 | 0.00057 | 0.00147 | 0.0000494 | 0.0000578 | 0.0000289 | 0.0171 | 0.00000393 | 0.0000261 | 0.000211 | 0.00122 | 0.0000989 |
| 2033 Dec | 0.00000228 | 0.728 | 0.000512 | 1.1 | 0.00242 | 0.0000584 | 0.681 | 0.000573 | 0.00126 | 0.0000358 | 0.0000534 | 0.0000267 | 0.0163 | 0.00000454 | 0.0000196 | 0.000233 | 0.00138 | 0.0000429 |
| 2034 Jan | 0.00000233 | 0.729 | 0.00051 | 1.11 | 0.00205 | 0.0000513 | 0.686 | 0.000553 | 0.00127 | 0.0000335 | 0.0000527 | 0.0000263 | 0.016 | 0.00000464 | 0.0000183 | 0.000237 | 0.0014 | 0.0000338 |
| 2034 Feb | 0.00000233 | 0.729 | 0.00051 | 1.11 | 0.00202 | 0.0000507 | 0.687 | 0.000551 | 0.00127 | 0.0000333 | 0.0000526 | 0.0000263 | 0.016 | 0.00000464 | 0.0000182 | 0.000237 | 0.00141 | 0.000033 |
| 2034 Mar | 0.00000242 | 0.831 | 0.000505 | 1.27 | 0.00131 | 0.0000374 | 0.789 | 0.000727 | 0.00147 | 0.000029 | 0.0000513 | 0.0000256 | 0.0171 | 0.00000483 | 0.0000175 | 0.000244 | 0.00145 | 0.000033 |
| 2034 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2034 May | 0.00000247 | 0.797 | 0.000501 | 1.24 | 0.000823 | 0.000029 | 0.787 | 0.000695 | 0.001 | 0.0000266 | 0.0000504 | 0.0000252 | 0.0172 | 0.00000494 | 0.0000161 | 0.000248 | 0.00148 | 0.0000261 |
| 2034 Jun | 0.00000232 | 0.974 | 0.000499 | 1.47 | 0.00153 | 0.0000451 | 0.892 | 0.000737 | 0.00192 | 0.0000292 | 0.000051 | 0.0000255 | 0.0232 | 0.00000461 | 0.0000177 | 0.000234 | 0.00139 | 0.0000276 |
| 2034 Jul | 0.00000248 | 0.622 | 0.0005 | 1 | 0.00261 | 0.0000274 | 0.605 | 0.000673 | 0.001 | 0.0000253 | 0.0000502 | 0.0000251 | 0.0148 | 0.00000496 | 0.0000169 | 0.000248 | 0.00149 | 0.0000178 |
| 2034 Aug | 0.00000247 | 0.653 | 0.000502 | 0.933 | 0.00152 | 0.0000374 | 0.594 | 0.000413 | 0.001 | 0.0000255 | 0.0000503 | 0.0000252 | 0.0158 | 0.00000495 | 0.0000181 | 0.000248 | 0.00148 | 0.0000279 |
| 2034 Sep | 0.00000233 | 0.662 | 0.000512 | 1.02 | 0.00226 | 0.00005 | 0.626 | 0.000357 | 0.00103 | 0.0000276 | 0.0000522 | 0.0000319 | 0.0173 | 0.00000465 | 0.0000193 | 0.000237 | 0.0014 | 0.0000292 |
| 2034 Oct | 0.00000206 | 0.813 | 0.000526 | 1.18 | 0.00406 | 0.0000874 | 0.692 | 0.000746 | 0.00107 | 0.000475 | 0.0000756 | 0.000028 | 0.0216 | 0.00000407 | 0.0000253 | 0.000214 | 0.00185 | 0.0000721 |
| 2034 Nov | 0.00000223 | 0.652 | 0.000516 | 0.988 | 0.00267 | 0.0000631 | 0.607 | 0.000405 | 0.00164 | 0.0000301 | 0.0000531 | 0.0000269 | 0.0153 | 0.00000444 | 0.0000189 | 0.000228 | 0.00134 | 0.000044 |
| 2034 Dec | 0.00000233 | 0.732 | 0.00051 | 1.12 | 0.00193 | 0.0000491 | 0.69 | 0.000542 | 0.00128 | 0.0000283 | 0.000052 | 0.0000262 | 0.016 | 0.00000464 | 0.0000179 | 0.000236 | 0.0014 | 0.0000278 |
| 2035 Jan | 0.00000234 | 0.732 | 0.00051 | 1.12 | 0.00188 | 0.0000482 | 0.691 | 0.000539 | 0.00128 | 0.0000281 | 0.0000519 | 0.0000261 | 0.016 | 0.00000466 | 0.0000177 | 0.000237 | 0.0014 | 0.0000267 |
| 2035 Feb | 0.00000238 | 0.732 | 0.000507 | 1.12 | 0.00156 | 0.0000418 | 0.695 | 0.000523 | 0.00128 | 0.0000273 | 0.0000514 | 0.0000258 | 0.0157 | 0.00000475 | 0.0000166 | 0.00024 | 0.00143 | 0.0000259 |
| 2035 Mar | 0.00000239 | 0.83 | 0.000507 | 1.26 | 0.00151 | 0.0000413 | 0.785 | 0.000727 | 0.00146 | 0.0000272 | 0.0000513 | 0.0000258 | 0.0173 | 0.00000476 | 0.0000181 | 0.000241 | 0.00143 | 0.0000234 |
| 2035 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2035 May | 0.00000249 | 0.8 | 0.000501 | 1.25 | 0.000678 | 0.0000262 | 0.792 | 0.000691 | 0.001 | 0.0000252 | 0.0000501 | 0.0000251 | 0.0171 | 0.00000498 | 0.0000157 | 0.000249 | 0.0015 | 0.0000217 |
| 2035 Jun | 0.00000231 | 0.978 | 0.000499 | 1.48 | 0.00147 | 0.0000438 | 0.895 | 0.000728 | 0.00194 | 0.0000262 | 0.0000504 | 0.0000254 | 0.0233 | 0.00000461 | 0.0000173 | 0.000233 | 0.00139 | 0.0000209 |
| 2035 Jul | 0.00000247 | 0.624 | 0.000501 | 1.01 | 0.00267 | 0.000029 | 0.606 | 0.000674 | 0.00101 | 0.0000251 | 0.0000502 | 0.0000251 | 0.0149 | 0.00000493 | 0.0000171 | 0.000247 | 0.00148 | 0.0000119 |
| 2035 Aug | 0.00000244 | 0.658 | 0.000503 | 0.938 | 0.0017 | 0.0000409 | 0.596 | 0.000424 | 0.00102 | 0.0000251 | 0.0000505 | 0.0000253 | 0.0161 | 0.00000488 | 0.0000186 | 0.000245 | 0.00147 | 0.0000176 |
| 2035 Sep | 0.00000227 | 0.666 | 0.000513 | 1.02 | 0.00249 | 0.0000546 | 0.624 | 0.000364 | 0.00105 | 0.0000244 | 0.0000518 | 0.0000317 | 0.0176 | 0.00000453 | 0.0000199 | 0.000231 | 0.00136 | 0.0000302 |
| 2035 Oct | 0.00000206 | 0.81 | 0.000522 | 1.18 | 0.00372 | 0.0000802 | 0.688 | 0.0007 | 0.00107 | 0.000486 | 0.0000745 | 0.0000275 | 0.0216 | 0.00000409 | 0.0000239 | 0.000212 | 0.00187 | 0.0000556 |
| 2035 Nov | 0.000002 | 0.668 | 0.000525 | 0.979 | 0.00394 | 0.0000874 | 0.599 | 0.000474 | 0.00151 | 0.0000345 | 0.0000538 | 0.0000278 | 0.017 | 0.00000396 | 0.000023 | 0.000207 | 0.00121 | 0.0000625 |
| 2035 Dec | 0.00000228 | 0.73 | 0.000511 | 1.1 | 0.00211 | 0.0000524 | 0.683 | 0.000533 | 0.00127 | 0.0000293 | 0.0000517 | 0.0000263 | 0.0163 | 0.00000455 | 0.0000183 | 0.000231 | 0.00137 | 0.0000274 |
| 2036 Jan | 0.00000232 | 0.73 | 0.000509 | 1.11 | 0.00185 | 0.0000473 | 0.687 | 0.000524 | 0.00128 | 0.0000285 | 0.0000514 | 0.000026 | 0.016 | 0.00000463 | 0.0000175 | 0.000235 | 0.0014 | 0.0000223 |
| 2036 Feb | 0.00000233 | 0.73 | 0.000509 | 1.11 | 0.00183 | 0.0000469 | 0.687 | 0.000523 | 0.00128 | 0.0000285 | 0.0000514 | 0.000026 | 0.016 | 0.00000464 | 0.0000174 | 0.000235 | 0.0014 | 0.0000219 |
| 2036 Mar | 0.00000234 | 0.824 | 0.000508 | 1.24 | 0.00174 | 0.0000455 | 0.775 | 0.000717 | 0.00145 | 0.0000282 | 0.0000513 | 0.0000259 | 0.0175 | 0.00000466 | 0.0000186 | 0.000236 | 0.0014 | 0.0000219 |
| 2036 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2036 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2036 Jun | 0.00000231 | 0.981 | 0.000501 | 1.48 | 0.00144 | 0.0000432 | 0.897 | 0.00072 | 0.00195 | 0.0000279 | 0.0000504 | 0.0000254 | 0.0234 | 0.00000461 | 0.0000172 | 0.000233 | 0.00139 | 0.0000178 |
| 2036 Jul | 0.00000238 | 0.635 | 0.000503 | 1.01 | 0.003 | 0.0000381 | 0.607 | 0.000676 | 0.00103 | 0.0000258 | 0.0000504 | 0.0000254 | 0.0155 | 0.00000474 | 0.0000183 | 0.000239 | 0.00143 | 0.0000139 |
| 2036 Aug | 0.00000247 | 0.654 | 0.000502 | 0.935 | 0.00153 | 0.0000376 | 0.595 | 0.000411 | 0.00101 | 0.0000252 | 0.0000502 | 0.0000252 | 0.0159 | 0.00000493 | 0.000018 | 0.000247 | 0.00148 | 0.0000114 |
| 2036 Sep | 0.00000235 | 0.663 | 0.000509 | 1.02 | 0.00196 | 0.0000439 | 0.627 | 0.000323 | 0.00105 | 0.0000256 | 0.000051 | 0.0000316 | 0.0173 | 0.00000468 | 0.0000181 | 0.000236 | 0.00141 | 0.0000203 |
| 2036 Oct | 0.000002 | 0.814 | 0.000526 | 1.18 | 0.00392 | 0.0000841 | 0.689 | 0.000691 | 0.00111 | 0.000446 | 0.0000722 | 0.0000275 | 0.0218 | 0.00000397 | 0.0000242 | 0.000206 | 0.00178 | 0.0000521 |
| 2036 Nov | 0.00000223 | 0.653 | 0.000515 | 0.99 | 0.00238 | 0.000057 | 0.607 | 0.000365 | 0.00166 | 0.0000278 | 0.0000516 | 0.0000264 | 0.0153 | 0.00000444 | 0.0000176 | 0.000226 | 0.00134 | 0.0000281 |
| 2036 Dec | 0.00000233 | 0.734 | 0.000509 | 1.12 | 0.00177 | 0.0000456 | 0.691 | 0.000519 | 0.00129 | 0.0000268 | 0.000051 | 0.0000259 | 0.0161 | 0.00000464 | 0.0000171 | 0.000235 | 0.0014 | 0.0000181 |
| 2037 Jan | 0.00000233 | 0.734 | 0.000509 | 1.12 | 0.00174 | 0.0000452 | 0.691 | 0.000518 | 0.00129 | 0.0000268 | 0.000051 | 0.0000259 | 0.0161 | 0.00000465 | 0.000017 | 0.000235 | 0.0014 | 0.0000177 |
| 2037 Feb | 0.00000235 | 0.734 | 0.000508 | 1.12 | 0.00164 | 0.0000433 | 0.693 | 0.000514 | 0.00129 | 0.0000266 | 0.0000509 | 0.0000258 | 0.0159 | 0.00000468 | 0.0000167 | 0.000236 | 0.00141 | 0.0000173 |
| 2037 Mar | 0.00000245 | 0.836 | 0.000503 | 1.28 | 0.000968 | 0.0000307 | 0.797 | 0.000711 | 0.00149 | 0.0000255 | 0.0000503 | 0.0000252 | 0.017 | 0.0000049 | 0.0000163 | 0.000246 | 0.00147 | 0.0000173 |
| 2037 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2037 May | 0.00000236 | 0.79 | 0.000504 | 1.22 | 0.00139 | 0.0000396 | 0.768 | 0.00069 | 0.00101 | 0.0000269 | 0.0000505 | 0.0000255 | 0.0175 | 0.00000472 | 0.0000176 | 0.000238 | 0.00142 | 0.0000217 |
| 2037 Jun | 0.00000228 | 0.971 | 0.000502 | 1.47 | 0.00152 | 0.0000445 | 0.888 | 0.000713 | 0.00191 | 0.0000242 | 0.0000499 | 0.0000254 | 0.0232 | 0.00000456 | 0.0000173 | 0.00023 | 0.00137 | 0.0000154 |
| 2037 Jul | 0.00000241 | 0.631 | 0.000505 | 1.01 | 0.00289 | 0.0000348 | 0.607 | 0.000674 | 0.00101 | 0.0000246 | 0.0000503 | 0.0000254 | 0.0153 | 0.00000482 | 0.0000178 | 0.000242 | 0.00145 | 0.000012 |
| 2037 Aug | 0.00000248 | 0.653 | 0.000502 | 0.933 | 0.00147 | 0.0000363 | 0.594 | 0.000407 | 0.001 | 0.0000249 | 0.0000501 | 0.0000251 | 0.0158 | 0.00000496 | 0.0000179 | 0.000248 | 0.00149 | 0.0000102 |
| 2037 Sep | 0.00000247 | 0.646 | 0.000503 | 1.01 | 0.00122 | 0.0000288 | 0.625 | 0.000263 | 0.00101 | 0.0000249 | 0.0000502 | 0.0000318 | 0.0165 | 0.00000494 | 0.0000159 | 0.000248 | 0.00148 | 0.0000138 |
| 2037 Oct | 0.00000222 | 0.848 | 0.000528 | 1.25 | 0.0028 | 0.0000618 | 0.724 | 0.000685 | 0.00106 | 0.000589 | 0.0000784 | 0.0000269 | 0.022 | 0.00000443 | 0.0000211 | 0.000225 | 0.00212 | 0.0000333 |
| 2037 Nov | 0.00000227 | 0.661 | 0.000524 | 1 | 0.0023 | 0.0000558 | 0.616 | 0.000357 | 0.00168 | 0.0000257 | 0.0000518 | 0.0000266 | 0.0154 | 0.00000452 | 0.0000174 | 0.000229 | 0.00136 | 0.0000224 |
| 2037 Dec | 0.00000233 | 0.743 | 0.000517 | 1.13 | 0.00186 | 0.0000477 | 0.698 | 0.000523 | 0.00129 | 0.0000255 | 0.0000514 | 0.0000262 | 0.0164 | 0.00000465 | 0.0000175 | 0.000235 | 0.0014 | 0.0000165 |
| 2038 Jan | 0.00000233 | 0.743 | 0.000517 | 1.13 | 0.00186 | 0.0000476 | 0.698 | 0.000523 | 0.00129 | 0.0000255 | 0.0000513 | 0.0000262 | 0.0164 | 0.00000465 | 0.0000175 | 0.000235 | 0.0014 | 0.0000165 |
| 2038 Feb | 0.00000233 | 0.743 | 0.000517 | 1.13 | 0.00186 | 0.0000476 | 0.698 | 0.000523 | 0.00129 | 0.0000255 | 0.0000514 | 0.0000262 | 0.0164 | 0.00000465 | 0.0000175 | 0.000235 | 0.0014 | 0.0000165 |
| 2038 Mar | 0.00000234 | 0.836 | 0.000516 | 1.26 | 0.00177 | 0.0000462 | 0.784 | 0.000717 | 0.00146 | 0.0000255 | 0.0000513 | 0.0000261 | 0.0179 | 0.00000467 | 0.0000187 | 0.000236 | 0.0014 | 0.0000165 |
| 2038 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2038 May | 0.00000245 | 0.795 | 0.000501 | 1.24 | 0.000879 | 0.0000299 | 0.783 | 0.000688 | 0.001 | 0.0000254 | 0.00005 | 0.0000251 | 0.0172 | 0.00000489 | 0.0000162 | 0.000245 | 0.00147 | 0.0000125 |
| 2038 Jun | 0.00000235 | 0.986 | 0.000499 | 1.5 | 0.00113 | 0.0000372 | 0.906 | 0.00071 | 0.00196 | 0.0000251 | 0.0000496 | 0.0000251 | 0.0233 | 0.00000469 | 0.0000162 | 0.000236 | 0.00141 | 0.00000953 |
| 2038 Jul | 0.0000025 | 0.62 | 0.0005 | 1.01 | 0.00252 | 0.0000251 | 0.605 | 0.00067 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0147 | 0.000005 | 0.0000165 | 0.00025 | 0.0015 | 0.00000174 |
| 2038 Aug | 0.00000246 | 0.655 | 0.000503 | 0.935 | 0.00157 | 0.0000383 | 0.595 | 0.000412 | 0.00101 | 0.000025 | 0.0000502 | 0.0000252 | 0.0159 | 0.00000491 | 0.0000181 | 0.000246 | 0.00147 | 0.00000826 |
| 2038 Sep | 0.00000237 | 0.657 | 0.00051 | 1.02 | 0.00177 | 0.0000399 | 0.626 | 0.000304 | 0.00102 | 0.0000249 | 0.0000506 | 0.0000316 | 0.0171 | 0.00000474 | 0.0000175 | 0.000238 | 0.00142 | 0.0000113 |
| 2038 Oct | 0.00000215 | 0.826 | 0.000522 | 1.21 | 0.00291 | 0.0000641 | 0.706 | 0.000662 | 0.00104 | 0.000534 | 0.0000748 | 0.0000266 | 0.0215 | 0.00000428 | 0.0000211 | 0.000217 | 0.002 | 0.0000254 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 0.00000236 | 0.637 | 0.000509 | 0.985 | 0.00149 | 0.00004 | 0.606 | 0.000302 | 0.00172 | 0.0000252 | 0.0000505 | 0.0000256 | 0.0142 | 0.00000472 | 0.0000146 | 0.000238 | 0.00142 | 0.00000977 |
| 2038 Dec | 0.00000234 | 0.734 | 0.00051 | 1.12 | 0.00163 | 0.000043 | 0.693 | 0.000508 | 0.00127 | 0.0000252 | 0.0000506 | 0.0000258 | 0.016 | 0.00000467 | 0.0000166 | 0.000235 | 0.0014 | 0.0000117 |
| 2039 Jan | 0.00000233 | 0.734 | 0.000511 | 1.12 | 0.00165 | 0.0000433 | 0.692 | 0.000508 | 0.00127 | 0.0000252 | 0.0000506 | 0.0000258 | 0.016 | 0.00000466 | 0.0000167 | 0.000235 | 0.0014 | 0.0000119 |
| 2039 Feb | 0.00000233 | 0.734 | 0.000511 | 1.12 | 0.00165 | 0.0000434 | 0.692 | 0.000508 | 0.00127 | 0.0000252 | 0.0000506 | 0.0000258 | 0.016 | 0.00000466 | 0.0000167 | 0.000235 | 0.0014 | 0.0000119 |
| 2039 Mar | 0.00000248 | 0.839 | 0.000501 | 1.29 | 0.000763 | 0.0000268 | 0.803 | 0.000709 | 0.00149 | 0.000025 | 0.0000501 | 0.0000251 | 0.0168 | 0.00000497 | 0.0000158 | 0.000249 | 0.00149 | 0.000012 |
| 2039 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2039 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2039 Jun | 0.00000233 | 0.985 | 0.000498 | 1.49 | 0.00115 | 0.0000376 | 0.903 | 0.000703 | 0.00197 | 0.0000246 | 0.0000493 | 0.000025 | 0.0234 | 0.00000465 | 0.0000162 | 0.000234 | 0.0014 | 0.00000882 |
| 2039 Jul | 0.00000233 | 0.641 | 0.000505 | 1.01 | 0.00307 | 0.0000405 | 0.609 | 0.000664 | 0.00104 | 0.0000241 | 0.0000499 | 0.0000254 | 0.0158 | 0.00000466 | 0.0000184 | 0.000234 | 0.0014 | 0.00000891 |
| 2039 Aug | 0.00000249 | 0.651 | 0.000501 | 0.931 | 0.00138 | 0.0000346 | 0.593 | 0.000402 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0157 | 0.00000498 | 0.0000176 | 0.000249 | 0.0015 | 0.00000293 |
| 2039 Sep | 0.0000023 | 0.669 | 0.000515 | 1.02 | 0.00215 | 0.0000472 | 0.628 | 0.000325 | 0.00106 | 0.0000237 | 0.0000505 | 0.0000315 | 0.0177 | 0.00000459 | 0.0000185 | 0.000231 | 0.00138 | 0.0000137 |
| 2039 Oct | 0.00000241 | 0.855 | 0.000506 | 1.29 | 0.00144 | 0.0000344 | 0.738 | 0.00066 | 0.00102 | 0.000719 | 0.0000825 | 0.0000254 | 0.0214 | 0.00000482 | 0.0000168 | 0.000242 | 0.00242 | 0.0000147 |
| 2039 Nov | 0.00000247 | 0.625 | 0.000502 | 0.983 | 0.000901 | 0.0000286 | 0.605 | 0.000262 | 0.00179 | 0.0000248 | 0.0000501 | 0.0000252 | 0.0133 | 0.00000493 | 0.0000126 | 0.000247 | 0.00148 | 0.00000498 |
| 2039 Dec | 0.00000237 | 0.737 | 0.00051 | 1.13 | 0.00146 | 0.0000395 | 0.698 | 0.000501 | 0.0013 | 0.0000242 | 0.0000504 | 0.0000256 | 0.0159 | 0.00000473 | 0.0000161 | 0.000238 | 0.00142 | 0.00000802 |
| 2040 Jan | 0.00000237 | 0.737 | 0.00051 | 1.13 | 0.00146 | 0.0000395 | 0.698 | 0.000501 | 0.0013 | 0.0000242 | 0.0000504 | 0.0000256 | 0.0159 | 0.00000473 | 0.0000161 | 0.000238 | 0.00142 | 0.00000802 |
| 2040 Feb | 0.00000239 | 0.736 | 0.000509 | 1.13 | 0.00136 | 0.0000375 | 0.699 | 0.000498 | 0.0013 | 0.0000243 | 0.0000503 | 0.0000255 | 0.0158 | 0.00000477 | 0.0000158 | 0.000239 | 0.00143 | 0.00000802 |
| 2040 Mar | 0.00000245 | 0.838 | 0.000504 | 1.28 | 0.00097 | 0.0000306 | 0.798 | 0.000708 | 0.00149 | 0.0000247 | 0.0000501 | 0.0000252 | 0.0171 | 0.0000049 | 0.0000163 | 0.000245 | 0.00147 | 0.00000802 |
| 2040 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2040 May | 0.00000247 | 0.798 | 0.000501 | 1.24 | 0.000767 | 0.0000278 | 0.788 | 0.000688 | 0.001 | 0.0000248 | 0.00005 | 0.0000251 | 0.0172 | 0.00000494 | 0.0000159 | 0.000247 | 0.00148 | 0.00000792 |
| 2040 Jun | 0.0000023 | 0.972 | 0.000498 | 1.47 | 0.00126 | 0.0000394 | 0.891 | 0.000697 | 0.00192 | 0.0000233 | 0.0000491 | 0.000025 | 0.0231 | 0.0000046 | 0.0000164 | 0.000231 | 0.00138 | 0.00000754 |
| 2040 Jul | 0.00000242 | 0.629 | 0.000503 | 1.01 | 0.00279 | 0.0000327 | 0.606 | 0.000665 | 0.00101 | 0.0000243 | 0.0000499 | 0.0000252 | 0.0152 | 0.00000483 | 0.0000175 | 0.000242 | 0.00145 | 0.00000619 |
| 2040 Aug | 0.00000242 | 0.659 | 0.000505 | 0.938 | 0.00175 | 0.0000417 | 0.596 | 0.000417 | 0.00101 | 0.0000243 | 0.0000501 | 0.0000253 | 0.0162 | 0.00000483 | 0.0000185 | 0.000242 | 0.00145 | 0.00000671 |
| 2040 Sep | 0.00000226 | 0.667 | 0.000516 | 1.01 | 0.00229 | 0.0000501 | 0.624 | 0.000329 | 0.00104 | 0.0000229 | 0.0000502 | 0.0000313 | 0.0177 | 0.0000045 | 0.0000188 | 0.000227 | 0.00135 | 0.0000143 |
| 2040 Oct | 0.0000025 | 0.86 | 0.0005 | 1.31 | 0.00096 | 0.000025 | 0.746 | 0.00066 | 0.001 | 0.000778 | 0.000085 | 0.000025 | 0.0212 | 0.000005 | 0.0000155 | 0.00025 | 0.00255 | |
| 2040 Nov | 0.0000025 | 0.62 | 0.0005 | 0.98 | 0.00071 | 0.000025 | 0.604 | 0.00025 | 0.0018 | 0.000025 | 0.00005 | 0.000025 | 0.013 | 0.000005 | 0.000012 | 0.00025 | 0.0015 | |
| 2040 Dec | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2041 Jan | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2041 Feb | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2041 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2041 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2041 May | 0.00000249 | 0.8 | 0.000501 | 1.25 | 0.000665 | 0.0000259 | 0.792 | 0.00069 | 0.001 | 0.0000249 | 0.00005 | 0.000025 | 0.0171 | 0.00000498 | 0.0000156 | 0.000249 | 0.00149 | 0.0000068 |
| 2041 Jun | 0.00000234 | 0.988 | 0.0005 | 1.5 | 0.00115 | 0.0000375 | 0.905 | 0.000701 | 0.00197 | 0.0000235 | 0.0000493 | 0.0000251 | 0.0235 | 0.00000467 | 0.0000161 | 0.000234 | 0.0014 | 0.00000666 |
| 2041 Jul | 0.00000238 | 0.634 | 0.000502 | 1.01 | 0.00286 | 0.000035 | 0.606 | 0.00066 | 0.00103 | 0.0000239 | 0.0000496 | 0.0000251 | 0.0154 | 0.00000475 | 0.0000176 | 0.000238 | 0.00143 | 0.00000556 |
| 2041 Aug | 0.00000231 | 0.669 | 0.00051 | 0.947 | 0.0022 | 0.0000503 | 0.598 | 0.000432 | 0.00104 | 0.0000233 | 0.0000499 | 0.0000255 | 0.0168 | 0.00000461 | 0.0000196 | 0.000232 | 0.00138 | 0.00000741 |
| 2041 Sep | 0.00000232 | 0.661 | 0.000511 | 1.01 | 0.00193 | 0.0000428 | 0.623 | 0.000304 | 0.00104 | 0.0000234 | 0.00005 | 0.0000313 | 0.0174 | 0.00000463 | 0.0000177 | 0.000232 | 0.00139 | 0.00000721 |
| 2041 Oct | 0.00000206 | 0.816 | 0.000524 | 1.19 | 0.00314 | 0.0000672 | 0.692 | 0.000626 | 0.00107 | 0.000492 | 0.0000717 | 0.0000264 | 0.0217 | 0.00000411 | 0.0000212 | 0.000208 | 0.00189 | 0.0000169 |
| 2041 Nov | 0.00000235 | 0.636 | 0.000508 | 0.982 | 0.00147 | 0.0000391 | 0.604 | 0.00029 | 0.00172 | 0.0000238 | 0.00005 | 0.0000255 | 0.0142 | 0.0000047 | 0.0000143 | 0.000236 | 0.00141 | 0.00000563 |
| 2041 Dec | 0.00000233 | 0.732 | 0.00051 | 1.11 | 0.00158 | 0.0000415 | 0.69 | 0.000493 | 0.00128 | 0.0000236 | 0.00005 | 0.0000256 | 0.016 | 0.00000465 | 0.0000163 | 0.000234 | 0.0014 | 0.00000658 |
| 2042 Jan | 0.00000233 | 0.732 | 0.00051 | 1.11 | 0.00158 | 0.0000414 | 0.69 | 0.000493 | 0.00128 | 0.0000236 | 0.00005 | 0.0000256 | 0.016 | 0.00000466 | 0.0000163 | 0.000234 | 0.0014 | 0.00000656 |
| 2042 Feb | 0.00000232 | 0.732 | 0.00051 | 1.11 | 0.00161 | 0.0000421 | 0.689 | 0.000494 | 0.00128 | 0.0000235 | 0.00005 | 0.0000256 | 0.016 | 0.00000464 | 0.0000164 | 0.000233 | 0.00139 | 0.00000685 |
| 2042 Mar | 0.00000238 | 0.83 | 0.000507 | 1.26 | 0.0013 | 0.0000367 | 0.785 | 0.000696 | 0.00147 | 0.000024 | 0.00005 | 0.0000254 | 0.0173 | 0.00000476 | 0.0000171 | 0.000238 | 0.00143 | 0.00000688 |
| 2042 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2042 May | 0.00000247 | 0.799 | 0.000502 | 1.24 | 0.000761 | 0.0000277 | 0.789 | 0.000687 | 0.001 | 0.0000248 | 0.00005 | 0.0000251 | 0.0172 | 0.00000495 | 0.0000159 | 0.000247 | 0.00148 | 0.00000471 |
| 2042 Jun | 0.00000233 | 0.987 | 0.000499 | 1.49 | 0.00111 | 0.0000366 | 0.904 | 0.000697 | 0.00197 | 0.0000236 | 0.0000491 | 0.000025 | 0.0234 | 0.00000466 | 0.000016 | 0.000234 | 0.0014 | 0.00000539 |
| 2042 Jul | 0.00000231 | 0.643 | 0.000507 | 1.01 | 0.00309 | 0.0000414 | 0.608 | 0.000653 | 0.00104 | 0.0000233 | 0.0000495 | 0.0000254 | 0.016 | 0.00000461 | 0.0000184 | 0.000231 | 0.00138 | 0.00000578 |
| 2042 Aug | 0.0000023 | 0.669 | 0.000512 | 0.944 | 0.00226 | 0.0000513 | 0.597 | 0.00043 | 0.00104 | 0.0000232 | 0.0000499 | 0.0000256 | 0.0169 | 0.00000459 | 0.0000197 | 0.000231 | 0.00138 | 0.00000638 |
| 2042 Sep | 0.00000228 | 0.661 | 0.000514 | 1.01 | 0.00212 | 0.0000461 | 0.62 | 0.000308 | 0.00103 | 0.000023 | 0.0000499 | 0.0000313 | 0.0175 | 0.00000455 | 0.0000182 | 0.000229 | 0.00137 | 0.00000697 |
| 2042 Oct | 0.00000195 | 0.786 | 0.000524 | 1.13 | 0.00349 | 0.0000736 | 0.661 | 0.000587 | 0.00102 | 0.00044 | 0.0000684 | 0.0000265 | 0.0213 | 0.00000388 | 0.0000218 | 0.000196 | 0.00175 | 0.0000157 |
| 2042 Nov | 0.00000213 | 0.644 | 0.000517 | 0.962 | 0.00249 | 0.0000578 | 0.591 | 0.000326 | 0.00157 | 0.0000276 | 0.0000496 | 0.0000261 | 0.0156 | 0.00000425 | 0.0000174 | 0.000214 | 0.00128 | 0.0000106 |
| 2042 Dec | 0.0000023 | 0.725 | 0.000509 | 1.1 | 0.00166 | 0.0000428 | 0.681 | 0.000483 | 0.00126 | 0.0000264 | 0.0000498 | 0.0000256 | 0.016 | 0.00000459 | 0.0000164 | 0.00023 | 0.00138 | 0.00000573 |
| 2043 Jan | 0.00000231 | 0.725 | 0.000509 | 1.1 | 0.0016 | 0.0000417 | 0.682 | 0.000483 | 0.00126 | 0.0000264 | 0.0000498 | 0.0000255 | 0.0159 | 0.00000462 | 0.0000162 | 0.000232 | 0.00139 | 0.00000537 |
| 2043 Feb | 0.00000231 | 0.725 | 0.000509 | 1.1 | 0.0016 | 0.0000417 | 0.682 | 0.000483 | 0.00126 | 0.0000264 | 0.0000498 | 0.0000255 | 0.0159 | 0.00000462 | 0.0000162 | 0.000232 | 0.00139 | 0.00000538 |
| 2043 Mar | 0.00000239 | 0.827 | 0.000505 | 1.26 | 0.00122 | 0.0000351 | 0.783 | 0.00069 | 0.00146 | 0.0000258 | 0.0000499 | 0.0000253 | 0.0172 | 0.00000477 | 0.0000168 | 0.000239 | 0.00143 | 0.00000529 |
| 2043 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2043 May | 0.00000247 | 0.797 | 0.000501 | 1.24 | 0.000759 | 0.0000276 | 0.787 | 0.000685 | 0.001 | 0.0000254 | 0.00005 | 0.0000251 | 0.0172 | 0.00000494 | 0.0000158 | 0.000247 | 0.00148 | 0.00000427 |
| 2043 Jun | 0.0000023 | 0.973 | 0.000499 | 1.47 | 0.00122 | 0.0000386 | 0.891 | 0.000688 | 0.00192 | 0.0000253 | 0.0000489 | 0.000025 | 0.0232 | 0.0000046 | 0.0000162 | 0.00023 | 0.00138 | 0.00000403 |
| 2043 Jul | 0.00000248 | 0.622 | 0.000501 | 1 | 0.00257 | 0.0000264 | 0.605 | 0.000668 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0148 | 0.00000497 | 0.0000167 | 0.000248 | 0.00149 | 0.00000235 |
| 2043 Aug | 0.00000233 | 0.666 | 0.00051 | 0.942 | 0.00208 | 0.0000483 | 0.597 | 0.000422 | 0.00102 | 0.0000245 | 0.0000498 | 0.0000255 | 0.0167 | 0.00000466 | 0.0000193 | 0.000233 | 0.0014 | 0.00000455 |
| 2043 Sep | 0.00000223 | 0.663 | 0.000514 | 1 | 0.00223 | 0.000049 | 0.618 | 0.000312 | 0.00102 | 0.0000236 | 0.0000496 | 0.000031 | 0.0176 | 0.00000447 | 0.0000185 | 0.000224 | 0.00134 | 0.00000632 |
| 2043 Oct | 0.00000236 | 0.845 | 0.000508 | 1.27 | 0.0016 | 0.0000375 | 0.728 | 0.000644 | 0.00101 | 0.000689 | 0.0000807 | 0.0000254 | 0.0213 | 0.00000472 | 0.0000171 | 0.000237 | 0.00234 | 0.00000849 |
| 2043 Nov | 0.0000025 | 0.62 | 0.0005 | 0.98 | 0.00071 | 0.000025 | 0.604 | 0.00025 | 0.0018 | 0.000025 | 0.00005 | 0.000025 | 0.013 | 0.000005 | 0.000012 | 0.00025 | 0.0015 | |
| 2043 Dec | 0.00000244 | 0.73 | 0.000503 | 1.13 | 0.000976 | 0.0000304 | 0.699 | 0.000482 | 0.00129 | 0.0000247 | 0.0000499 | 0.0000252 | 0.0152 | 0.00000488 | 0.0000146 | 0.000244 | 0.00146 | 0.00000336 |
| 2044 Jan | 0.00000236 | 0.731 | 0.000508 | 1.12 | 0.00137 | 0.0000378 | 0.692 | 0.000485 | 0.00128 | 0.0000242 | 0.0000498 | 0.0000254 | 0.0157 | 0.00000472 | 0.0000157 | 0.000236 | 0.00142 | 0.00000335 |
| 2044 Feb | 0.00000246 | 0.73 | 0.000502 | 1.13 | 0.000879 | 0.0000285 | 0.701 | 0.000481 | 0.00129 | 0.0000248 | 0.0000499 | 0.0000251 | 0.0151 | 0.00000492 | 0.0000143 | 0.000246 | 0.00148 | 0.00000337 |
| 2044 Mar | 0.00000248 | 0.838 | 0.000501 | 1.29 | 0.000759 | 0.0000267 | 0.802 | 0.000707 | 0.00149 | 0.0000249 | 0.00005 | 0.0000251 | 0.0168 | 0.00000496 | 0.0000157 | 0.000248 | 0.00149 | 0.00000337 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2044 May | 0.00000248 | 0.799 | 0.000501 | 1.24 | 0.000727 | 0.0000271 | 0.789 | 0.000687 | 0.001 | 0.0000249 | 0.00005 | 0.0000251 | 0.0172 | 0.00000496 | 0.0000158 | 0.000248 | 0.00149 | 0.00000336 |
| 2044 Jun | 0.00000229 | 0.974 | 0.000499 | 1.47 | 0.00123 | 0.0000387 | 0.891 | 0.000684 | 0.00193 | 0.0000232 | 0.0000487 | 0.0000249 | 0.0232 | 0.00000458 | 0.0000162 | 0.000229 | 0.00137 | 0.00000342 |
| 2044 Jul | 0.00000245 | 0.626 | 0.000501 | 1.01 | 0.00266 | 0.0000293 | 0.606 | 0.000663 | 0.00101 | 0.0000245 | 0.0000498 | 0.0000251 | 0.015 | 0.00000489 | 0.000017 | 0.000245 | 0.00147 | 0.00000207 |
| 2044 Aug | 0.00000244 | 0.657 | 0.000503 | 0.937 | 0.00158 | 0.0000385 | 0.596 | 0.000408 | 0.00101 | 0.0000245 | 0.0000499 | 0.0000252 | 0.016 | 0.00000489 | 0.0000181 | 0.000244 | 0.00147 | 0.00000256 |
| 2044 Sep | 0.00000229 | 0.664 | 0.000511 | 1.01 | 0.00196 | 0.0000437 | 0.624 | 0.000301 | 0.00104 | 0.0000231 | 0.0000495 | 0.0000311 | 0.0175 | 0.00000457 | 0.0000177 | 0.000229 | 0.00137 | 0.00000415 |
| 2044 Oct | 0.00000193 | 0.8 | 0.000523 | 1.15 | 0.00335 | 0.0000721 | 0.674 | 0.000582 | 0.00107 | 0.000421 | 0.0000669 | 0.0000262 | 0.0216 | 0.00000386 | 0.0000214 | 0.000194 | 0.00172 | 0.0000103 |
| 2044 Nov | 0.00000209 | 0.658 | 0.000516 | 0.977 | 0.00252 | 0.0000589 | 0.6 | 0.000333 | 0.00157 | 0.0000282 | 0.000049 | 0.0000259 | 0.0161 | 0.00000418 | 0.0000174 | 0.00021 | 0.00126 | 0.00000739 |
| 2044 Dec | 0.00000229 | 0.73 | 0.000508 | 1.11 | 0.00162 | 0.0000424 | 0.685 | 0.000482 | 0.00127 | 0.0000267 | 0.0000495 | 0.0000254 | 0.0161 | 0.00000458 | 0.0000163 | 0.000229 | 0.00138 | 0.00000379 |
| 2045 Jan | 0.00000231 | 0.73 | 0.000507 | 1.11 | 0.00152 | 0.0000405 | 0.687 | 0.000482 | 0.00127 | 0.0000265 | 0.0000496 | 0.0000254 | 0.016 | 0.00000462 | 0.000016 | 0.000232 | 0.00139 | 0.00000338 |
| 2045 Feb | 0.00000231 | 0.73 | 0.000507 | 1.11 | 0.00151 | 0.0000403 | 0.687 | 0.000482 | 0.00127 | 0.0000265 | 0.0000496 | 0.0000254 | 0.016 | 0.00000463 | 0.000016 | 0.000232 | 0.00139 | 0.00000335 |
| 2045 Mar | 0.00000249 | 0.839 | 0.0005 | 1.29 | 0.000697 | 0.0000255 | 0.804 | 0.000709 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.00000499 | 0.0000156 | 0.000249 | 0.0015 | 0.00000334 |
| 2045 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2045 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2045 Jun | 0.00000233 | 0.987 | 0.000499 | 1.49 | 0.00107 | 0.0000359 | 0.904 | 0.000691 | 0.00197 | 0.000027 | 0.0000491 | 0.000025 | 0.0234 | 0.00000466 | 0.0000158 | 0.000233 | 0.0014 | 0.00000267 |
| 2045 Jul | 0.0000025 | 0.62 | 0.0005 | 1 | 0.00253 | 0.0000253 | 0.605 | 0.000669 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0147 | 0.00000499 | 0.0000165 | 0.00025 | 0.0015 | 0.00000164 |
| 2045 Aug | 0.00000248 | 0.653 | 0.000501 | 0.933 | 0.00144 | 0.0000356 | 0.594 | 0.000403 | 0.00101 | 0.0000253 | 0.0000499 | 0.000025 | 0.0158 | 0.00000495 | 0.0000177 | 0.000248 | 0.00149 | 0.00000178 |
| 2045 Sep | 0.00000244 | 0.649 | 0.000503 | 1.02 | 0.00128 | 0.00003 | 0.625 | 0.000266 | 0.00102 | 0.0000256 | 0.0000499 | 0.0000315 | 0.0167 | 0.00000488 | 0.0000159 | 0.000244 | 0.00147 | 0.00000197 |
| 2045 Oct | 0.0000025 | 0.86 | 0.0005 | 1.31 | 0.00096 | 0.000025 | 0.746 | 0.00066 | 0.001 | 0.000778 | 0.000085 | 0.000025 | 0.0212 | 0.000005 | 0.0000155 | 0.00025 | 0.00255 | |
| 2045 Nov | 0.0000025 | 0.62 | 0.0005 | 0.98 | 0.00071 | 0.000025 | 0.604 | 0.00025 | 0.0018 | 0.000025 | 0.00005 | 0.000025 | 0.013 | 0.000005 | 0.000012 | 0.00025 | 0.0015 | |
| 2045 Dec | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2046 Jan | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2046 Feb | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2046 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2046 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2046 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2046 Jun | 0.00000226 | 1.01 | 0.000543 | 1.5 | 0.00221 | 0.0000606 | 0.909 | 0.000733 | 0.00198 | 0.0000235 | 0.0000518 | 0.0000271 | 0.025 | 0.00000451 | 0.0000199 | 0.000227 | 0.00135 | 0.00000804 |
| 2046 Jul | 0.00000228 | 0.74 | 0.0006 | 1.11 | 0.00497 | 0.0000883 | 0.663 | 0.000779 | 0.00118 | 0.0000233 | 0.0000563 | 0.00003 | 0.0198 | 0.00000452 | 0.0000263 | 0.000228 | 0.00136 | 0.0000135 |
| 2046 Aug | 0.00000229 | 0.765 | 0.000604 | 1.05 | 0.00411 | 0.0000974 | 0.654 | 0.00058 | 0.00118 | 0.0000234 | 0.0000568 | 0.0000302 | 0.0207 | 0.00000454 | 0.0000274 | 0.00023 | 0.00136 | 0.0000164 |
| 2046 Sep | 0.00000215 | 0.787 | 0.000641 | 1.13 | 0.00519 | 0.000124 | 0.68 | 0.000586 | 0.00123 | 0.0000222 | 0.0000593 | 0.0000367 | 0.0228 | 0.00000423 | 0.0000309 | 0.000216 | 0.00127 | 0.0000233 |
| 2046 Oct | 0.00000175 | 0.99 | 0.000798 | 1.3 | 0.00998 | 0.000246 | 0.755 | 0.00114 | 0.00146 | 0.000219 | 0.0000798 | 0.0000406 | 0.0309 | 0.00000333 | 0.0000501 | 0.000178 | 0.00128 | 0.0000547 |
| 2046 Nov | 0.00000194 | 0.855 | 0.000729 | 1.16 | 0.00774 | 0.000194 | 0.692 | 0.000849 | 0.00171 | 0.0000214 | 0.0000659 | 0.000037 | 0.025 | 0.00000374 | 0.0000405 | 0.000196 | 0.00112 | 0.0000421 |
| 2046 Dec | 0.00000211 | 0.851 | 0.000659 | 1.2 | 0.00557 | 0.000143 | 0.727 | 0.000808 | 0.00143 | 0.0000226 | 0.0000611 | 0.0000333 | 0.0225 | 0.00000413 | 0.0000329 | 0.000213 | 0.00124 | 0.0000293 |
| 2047 Jan | 0.00000226 | 0.806 | 0.0006 | 1.18 | 0.00377 | 0.0000992 | 0.719 | 0.000687 | 0.00138 | 0.0000235 | 0.000057 | 0.0000302 | 0.0197 | 0.00000445 | 0.0000258 | 0.000226 | 0.00134 | 0.0000185 |
| 2047 Feb | 0.0000023 | 0.792 | 0.000581 | 1.17 | 0.00319 | 0.0000852 | 0.716 | 0.000648 | 0.00137 | 0.0000238 | 0.0000557 | 0.0000293 | 0.0188 | 0.00000456 | 0.0000236 | 0.000231 | 0.00137 | 0.0000175 |
| 2047 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2047 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2047 May | 0.00000243 | 0.808 | 0.000519 | 1.25 | 0.00132 | 0.0000432 | 0.786 | 0.000736 | 0.00103 | 0.0000246 | 0.0000514 | 0.000026 | 0.0179 | 0.00000484 | 0.0000183 | 0.000243 | 0.00145 | 0.0000194 |
| 2047 Jun | 0.00000232 | 1.03 | 0.00058 | 1.52 | 0.00313 | 0.0000991 | 0.909 | 0.000967 | 0.00202 | 0.0000236 | 0.0000569 | 0.0000293 | 0.0257 | 0.00000454 | 0.0000264 | 0.000232 | 0.00136 | 0.0000224 |
| 2047 Jul | 0.00000246 | 0.643 | 0.000522 | 1.02 | 0.00311 | 0.0000447 | 0.614 | 0.000741 | 0.00104 | 0.0000247 | 0.000052 | 0.0000262 | 0.0157 | 0.00000489 | 0.0000196 | 0.000246 | 0.00147 | 0.0000144 |
| 2047 Aug | 0.00000243 | 0.689 | 0.00054 | 0.973 | 0.00253 | 0.0000689 | 0.61 | 0.000557 | 0.00108 | 0.0000245 | 0.0000536 | 0.0000272 | 0.0174 | 0.00000481 | 0.000023 | 0.000243 | 0.00144 | 0.0000245 |
| 2047 Sep | 0.00000214 | 0.78 | 0.000647 | 1.12 | 0.00595 | 0.000171 | 0.658 | 0.00095 | 0.0013 | 0.000022 | 0.0000631 | 0.0000369 | 0.0225 | 0.00000408 | 0.0000382 | 0.000214 | 0.00122 | 0.0000455 |
| 2047 Oct | 0.00000192 | 0.905 | 0.000716 | 1.24 | 0.0085 | 0.000249 | 0.699 | 0.00145 | 0.00144 | 0.000251 | 0.0000801 | 0.0000371 | 0.0269 | 0.00000353 | 0.0000504 | 0.000192 | 0.00138 | 0.0000702 |
| 2047 Nov | 0.00000213 | 0.755 | 0.000638 | 1.09 | 0.00564 | 0.000168 | 0.637 | 0.000938 | 0.00172 | 0.0000237 | 0.0000625 | 0.0000327 | 0.0203 | 0.00000406 | 0.0000359 | 0.000213 | 0.00122 | 0.000045 |
| 2047 Dec | 0.00000224 | 0.79 | 0.000595 | 1.16 | 0.0041 | 0.000124 | 0.696 | 0.000884 | 0.0014 | 0.0000241 | 0.0000587 | 0.0000303 | 0.0193 | 0.00000435 | 0.0000297 | 0.000225 | 0.00131 | 0.0000311 |
| 2048 Jan | 0.00000231 | 0.775 | 0.000572 | 1.15 | 0.00325 | 0.0000993 | 0.698 | 0.000784 | 0.00138 | 0.0000243 | 0.0000565 | 0.000029 | 0.0182 | 0.00000451 | 0.0000258 | 0.000231 | 0.00135 | 0.0000233 |
| 2048 Feb | 0.00000233 | 0.77 | 0.000564 | 1.15 | 0.00298 | 0.0000914 | 0.699 | 0.000751 | 0.00137 | 0.0000244 | 0.0000558 | 0.0000286 | 0.0179 | 0.00000456 | 0.0000245 | 0.000233 | 0.00137 | 0.0000209 |
| 2048 Mar | 0.0000023 | 0.86 | 0.000576 | 1.27 | 0.00338 | 0.000103 | 0.774 | 0.000975 | 0.00153 | 0.0000243 | 0.0000569 | 0.0000292 | 0.0198 | 0.00000449 | 0.0000277 | 0.00023 | 0.00135 | 0.0000246 |
| 2048 Apr | 0.00000249 | 0.767 | 0.000504 | 1.08 | 0.000702 | 0.0000286 | 0.739 | 0.000698 | 0.0013 | 0.000025 | 0.0000503 | 0.0000252 | 0.0127 | 0.00000498 | 0.0000161 | 0.000249 | 0.00149 | 0.0000171 |
| 2048 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2048 Jun | 0.00000231 | 1.01 | 0.00057 | 1.5 | 0.00312 | 0.000106 | 0.89 | 0.00103 | 0.00202 | 0.0000237 | 0.0000569 | 0.0000289 | 0.0252 | 0.00000449 | 0.0000275 | 0.000231 | 0.00135 | 0.0000284 |
| 2048 Jul | 0.00000235 | 0.695 | 0.000575 | 1.07 | 0.00477 | 0.000109 | 0.624 | 0.00102 | 0.00119 | 0.0000237 | 0.0000578 | 0.0000292 | 0.0181 | 0.00000456 | 0.0000297 | 0.000235 | 0.00137 | 0.000029 |
| 2048 Aug | 0.00000245 | 0.675 | 0.000527 | 0.958 | 0.00224 | 0.0000631 | 0.601 | 0.000547 | 0.00107 | 0.0000246 | 0.0000528 | 0.0000265 | 0.0168 | 0.00000485 | 0.0000222 | 0.000245 | 0.00145 | 0.0000208 |
| 2048 Sep | 0.00000235 | 0.72 | 0.000585 | 1.08 | 0.00385 | 0.000117 | 0.642 | 0.000737 | 0.00121 | 0.0000238 | 0.0000588 | 0.000035 | 0.0197 | 0.00000455 | 0.0000301 | 0.000235 | 0.00136 | 0.0000343 |
| 2048 Oct | 0.00000208 | 0.876 | 0.000658 | 1.24 | 0.00689 | 0.000218 | 0.688 | 0.00146 | 0.00137 | 0.000382 | 0.0000833 | 0.000034 | 0.0249 | 0.00000385 | 0.000046 | 0.000208 | 0.00165 | 0.0000651 |
| 2048 Nov | 0.0000019 | 0.81 | 0.000708 | 1.12 | 0.00896 | 0.000287 | 0.619 | 0.00164 | 0.00166 | 0.0000649 | 0.000074 | 0.0000369 | 0.024 | 0.00000337 | 0.0000561 | 0.00019 | 0.00107 | 0.0000887 |
| 2048 Dec | 0.00000208 | 0.805 | 0.000648 | 1.15 | 0.00653 | 0.00021 | 0.661 | 0.00134 | 0.00147 | 0.0000538 | 0.000067 | 0.0000334 | 0.0216 | 0.00000385 | 0.000044 | 0.000208 | 0.0012 | 0.0000626 |
| 2049 Jan | 0.0000022 | 0.784 | 0.000607 | 1.15 | 0.0049 | 0.000158 | 0.673 | 0.0011 | 0.00142 | 0.0000459 | 0.0000623 | 0.0000311 | 0.0198 | 0.00000417 | 0.0000356 | 0.00022 | 0.00128 | 0.0000452 |
| 2049 Feb | 0.00000231 | 0.764 | 0.000566 | 1.14 | 0.00329 | 0.000107 | 0.685 | 0.000863 | 0.00138 | 0.0000379 | 0.0000576 | 0.0000288 | 0.0179 | 0.00000449 | 0.0000272 | 0.000231 | 0.00137 | 0.00003 |
| 2049 Mar | 0.00000242 | 0.843 | 0.000529 | 1.28 | 0.00182 | 0.0000614 | 0.786 | 0.000855 | 0.00151 | 0.0000307 | 0.0000533 | 0.0000267 | 0.0179 | 0.00000477 | 0.0000213 | 0.000242 | 0.00144 | 0.0000239 |
| 2049 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2049 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2049 Jun | 0.0000023 | 0.995 | 0.000564 | 1.48 | 0.00311 | 0.000109 | 0.877 | 0.00106 | 0.00201 | 0.0000254 | 0.000057 | 0.0000286 | 0.0248 | 0.00000446 | 0.0000282 | 0.00023 | 0.00134 | 0.0000314 |
| 2049 Jul | 0.00000231 | 0.704 | 0.000589 | 1.07 | 0.00528 | 0.000131 | 0.619 | 0.00112 | 0.00123 | 0.0000235 | 0.0000596 | 0.0000299 | 0.0187 | 0.00000443 | 0.0000336 | 0.00023 | 0.00133 | 0.0000356 |
| 2049 Aug | 0.00000236 | 0.707 | 0.000568 | 0.992 | 0.00368 | 0.000112 | 0.606 | 0.000799 | 0.00117 | 0.0000239 | 0.0000574 | 0.0000288 | 0.0184 | 0.00000458 | 0.0000303 | 0.000236 | 0.00137 | 0.0000269 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 0.00000224 | 0.714 | 0.000596 | 1.05 | 0.00477 | 0.00015 | 0.616 | 0.000912 | 0.00123 | 0.0000228 | 0.0000606 | 0.0000348 | 0.02 | 0.00000425 | 0.0000358 | 0.000223 | 0.00127 | 0.000042 |
| 2049 Oct | 0.00000202 | 0.838 | 0.000663 | 1.17 | 0.00751 | 0.000242 | 0.645 | 0.00155 | 0.00137 | 0.000306 | 0.0000813 | 0.0000343 | 0.0243 | 0.00000364 | 0.000051 | 0.000201 | 0.00149 | 0.000073 |
| 2049 Nov | 0.00000206 | 0.742 | 0.000654 | 1.05 | 0.00697 | 0.000228 | 0.594 | 0.00132 | 0.00168 | 0.0000297 | 0.0000673 | 0.0000338 | 0.0207 | 0.00000375 | 0.0000472 | 0.000204 | 0.00113 | 0.0000681 |
| 2049 Dec | 0.00000224 | 0.765 | 0.000592 | 1.12 | 0.00445 | 0.000147 | 0.664 | 0.00104 | 0.0014 | 0.000028 | 0.0000604 | 0.0000303 | 0.0188 | 0.00000425 | 0.0000343 | 0.000223 | 0.00128 | 0.0000408 |
| 2050 Jan | 0.0000023 | 0.756 | 0.000569 | 1.13 | 0.00349 | 0.000116 | 0.674 | 0.000897 | 0.00138 | 0.0000272 | 0.0000578 | 0.0000289 | 0.0178 | 0.00000444 | 0.0000291 | 0.00023 | 0.00134 | 0.0000304 |
| 2050 Feb | 0.00000236 | 0.749 | 0.00055 | 1.13 | 0.00274 | 0.0000915 | 0.682 | 0.000786 | 0.00136 | 0.0000266 | 0.0000557 | 0.0000279 | 0.017 | 0.00000459 | 0.000025 | 0.000235 | 0.00138 | 0.000024 |
| 2050 Mar | 0.00000234 | 0.838 | 0.000556 | 1.25 | 0.00298 | 0.0000994 | 0.759 | 0.001 | 0.00152 | 0.0000268 | 0.0000564 | 0.0000282 | 0.0188 | 0.00000454 | 0.0000277 | 0.000233 | 0.00137 | 0.0000298 |
| 2050 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2050 May | 0.0000025 | 0.8 | 0.000501 | 1.25 | 0.000657 | 0.0000263 | 0.792 | 0.000695 | 0.001 | 0.000025 | 0.0000501 | 0.0000251 | 0.0171 | 0.00000499 | 0.0000157 | 0.00025 | 0.0015 | 0.0000139 |
| 2050 Jun | 0.00000233 | 0.993 | 0.000546 | 1.49 | 0.00251 | 0.0000903 | 0.885 | 0.000978 | 0.00201 | 0.000025 | 0.0000551 | 0.0000275 | 0.0243 | 0.00000455 | 0.0000253 | 0.000233 | 0.00136 | 0.0000251 |
| 2050 Jul | 0.00000229 | 0.703 | 0.000586 | 1.06 | 0.00523 | 0.00013 | 0.618 | 0.00111 | 0.00123 | 0.0000236 | 0.0000591 | 0.0000296 | 0.0186 | 0.0000044 | 0.0000334 | 0.000229 | 0.00132 | 0.0000347 |
| 2050 Aug | 0.00000245 | 0.668 | 0.000522 | 0.95 | 0.0021 | 0.0000589 | 0.597 | 0.000528 | 0.00106 | 0.0000247 | 0.0000523 | 0.0000262 | 0.0166 | 0.00000486 | 0.0000216 | 0.000245 | 0.00146 | 0.0000165 |
| 2050 Sep | 0.00000215 | 0.755 | 0.000639 | 1.09 | 0.00621 | 0.000196 | 0.625 | 0.00117 | 0.00136 | 0.0000223 | 0.0000646 | 0.0000359 | 0.0217 | 0.00000399 | 0.0000434 | 0.000214 | 0.0012 | 0.0000568 |
| 2050 Oct | 0.00000226 | 0.864 | 0.000595 | 1.26 | 0.00454 | 0.000142 | 0.705 | 0.00115 | 0.00124 | 0.000524 | 0.0000833 | 0.0000301 | 0.0232 | 0.00000431 | 0.0000347 | 0.000225 | 0.00199 | 0.0000432 |
| 2050 Nov | 0.00000246 | 0.634 | 0.000515 | 0.99 | 0.0013 | 0.0000438 | 0.605 | 0.000351 | 0.0018 | 0.0000247 | 0.0000516 | 0.0000258 | 0.0138 | 0.00000489 | 0.0000153 | 0.000246 | 0.00147 | 0.0000125 |
| 2050 Dec | 0.00000242 | 0.747 | 0.000533 | 1.14 | 0.00196 | 0.0000656 | 0.696 | 0.000671 | 0.00135 | 0.0000244 | 0.0000535 | 0.0000268 | 0.0163 | 0.00000476 | 0.0000207 | 0.000242 | 0.00143 | 0.0000135 |
| 2051 Jan | 0.00000242 | 0.747 | 0.000534 | 1.14 | 0.00199 | 0.0000664 | 0.695 | 0.000675 | 0.00135 | 0.0000244 | 0.0000535 | 0.0000268 | 0.0163 | 0.00000476 | 0.0000208 | 0.000241 | 0.00143 | 0.0000138 |
| 2051 Feb | 0.00000243 | 0.745 | 0.000529 | 1.14 | 0.00182 | 0.000061 | 0.697 | 0.00065 | 0.00134 | 0.0000244 | 0.0000531 | 0.0000266 | 0.0162 | 0.00000479 | 0.0000199 | 0.000243 | 0.00144 | 0.0000152 |
| 2051 Mar | 0.00000244 | 0.843 | 0.000526 | 1.28 | 0.00167 | 0.0000569 | 0.789 | 0.000839 | 0.00152 | 0.0000245 | 0.0000527 | 0.0000264 | 0.0177 | 0.00000481 | 0.0000207 | 0.000243 | 0.00144 | 0.0000164 |
| 2051 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2051 May | 0.00000248 | 0.8 | 0.000505 | 1.25 | 0.000847 | 0.0000323 | 0.788 | 0.000719 | 0.00101 | 0.0000249 | 0.0000506 | 0.0000253 | 0.0172 | 0.00000495 | 0.0000167 | 0.000248 | 0.00148 | 0.000019 |
| 2051 Jun | 0.00000229 | 0.985 | 0.000566 | 1.46 | 0.00324 | 0.000113 | 0.865 | 0.00106 | 0.00199 | 0.0000231 | 0.0000569 | 0.0000285 | 0.0246 | 0.00000441 | 0.0000292 | 0.000228 | 0.00132 | 0.0000284 |
| 2051 Jul | 0.00000241 | 0.66 | 0.000541 | 1.03 | 0.00377 | 0.0000726 | 0.612 | 0.000869 | 0.00111 | 0.0000243 | 0.0000543 | 0.0000271 | 0.0165 | 0.00000474 | 0.0000244 | 0.000241 | 0.00142 | 0.0000216 |
| 2051 Aug | 0.0000023 | 0.724 | 0.000589 | 1.01 | 0.00446 | 0.000137 | 0.607 | 0.000917 | 0.00123 | 0.0000232 | 0.0000593 | 0.0000296 | 0.0193 | 0.00000439 | 0.0000348 | 0.000229 | 0.00132 | 0.0000341 |
| 2051 Sep | 0.00000222 | 0.726 | 0.000607 | 1.06 | 0.00511 | 0.00016 | 0.618 | 0.000957 | 0.00127 | 0.0000225 | 0.0000613 | 0.0000347 | 0.0204 | 0.00000417 | 0.0000381 | 0.00022 | 0.00125 | 0.0000433 |
| 2051 Oct | 0.000002 | 0.829 | 0.000657 | 1.15 | 0.00741 | 0.000236 | 0.636 | 0.00148 | 0.00138 | 0.000288 | 0.000079 | 0.0000334 | 0.024 | 0.00000358 | 0.0000509 | 0.000197 | 0.00144 | 0.0000677 |
| 2051 Nov | 0.00000194 | 0.759 | 0.000672 | 1.04 | 0.00799 | 0.000257 | 0.585 | 0.00145 | 0.00162 | 0.0000443 | 0.0000693 | 0.0000342 | 0.022 | 0.00000343 | 0.0000535 | 0.000191 | 0.00106 | 0.0000743 |
| 2051 Dec | 0.00000216 | 0.767 | 0.000607 | 1.11 | 0.0052 | 0.000168 | 0.648 | 0.00112 | 0.00142 | 0.0000373 | 0.000062 | 0.0000307 | 0.0196 | 0.00000403 | 0.0000387 | 0.000214 | 0.00123 | 0.0000459 |
| 2052 Jan | 0.00000227 | 0.755 | 0.000571 | 1.12 | 0.00369 | 0.00012 | 0.667 | 0.000906 | 0.00138 | 0.0000332 | 0.000058 | 0.0000288 | 0.018 | 0.00000436 | 0.0000304 | 0.000226 | 0.00132 | 0.0000306 |
| 2052 Feb | 0.00000235 | 0.746 | 0.000546 | 1.12 | 0.00262 | 0.0000863 | 0.681 | 0.000754 | 0.00135 | 0.0000303 | 0.0000551 | 0.0000274 | 0.0169 | 0.00000459 | 0.0000244 | 0.000235 | 0.00138 | 0.0000196 |
| 2052 Mar | 0.00000247 | 0.839 | 0.000509 | 1.28 | 0.00104 | 0.0000366 | 0.797 | 0.000754 | 0.0015 | 0.000026 | 0.000051 | 0.0000255 | 0.0171 | 0.00000492 | 0.0000175 | 0.000247 | 0.00148 | 0.0000231 |
| 2052 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2052 May | 0.00000235 | 0.804 | 0.00055 | 1.22 | 0.0027 | 0.0000909 | 0.75 | 0.000942 | 0.00112 | 0.0000312 | 0.0000556 | 0.0000277 | 0.0188 | 0.00000457 | 0.0000266 | 0.000234 | 0.00138 | 0.0000503 |
| 2052 Jun | 0.0000023 | 0.984 | 0.000553 | 1.47 | 0.00282 | 0.0000982 | 0.871 | 0.000998 | 0.00199 | 0.0000259 | 0.0000555 | 0.0000277 | 0.0243 | 0.00000447 | 0.0000269 | 0.00023 | 0.00134 | 0.0000232 |
| 2052 Jul | 0.00000245 | 0.642 | 0.000522 | 1.02 | 0.00321 | 0.0000513 | 0.609 | 0.000777 | 0.00106 | 0.0000248 | 0.0000522 | 0.0000261 | 0.0157 | 0.00000484 | 0.0000209 | 0.000244 | 0.00145 | 0.0000143 |
| 2052 Aug | 0.00000237 | 0.701 | 0.000558 | 0.984 | 0.00334 | 0.0000989 | 0.606 | 0.000725 | 0.00116 | 0.0000244 | 0.0000558 | 0.0000279 | 0.0181 | 0.00000461 | 0.0000284 | 0.000236 | 0.00138 | 0.0000297 |
| 2052 Sep | 0.00000229 | 0.713 | 0.000582 | 1.06 | 0.00404 | 0.000123 | 0.629 | 0.000767 | 0.00122 | 0.0000238 | 0.0000582 | 0.0000339 | 0.0196 | 0.0000044 | 0.0000318 | 0.000228 | 0.00132 | 0.0000309 |
| 2052 Oct | 0.0000021 | 0.866 | 0.00065 | 1.22 | 0.00658 | 0.000206 | 0.681 | 0.00138 | 0.0014 | 0.000355 | 0.0000803 | 0.0000325 | 0.0244 | 0.00000386 | 0.0000458 | 0.000208 | 0.00162 | 0.0000571 |
| 2052 Nov | 0.00000228 | 0.696 | 0.000582 | 1.03 | 0.00386 | 0.000124 | 0.612 | 0.00077 | 0.00177 | 0.0000241 | 0.0000581 | 0.0000291 | 0.0173 | 0.00000438 | 0.0000296 | 0.000227 | 0.00131 | 0.0000312 |
| 2052 Dec | 0.00000232 | 0.765 | 0.000566 | 1.14 | 0.00324 | 0.000105 | 0.686 | 0.000845 | 0.0014 | 0.0000243 | 0.0000566 | 0.0000283 | 0.0179 | 0.0000045 | 0.0000276 | 0.000231 | 0.00135 | 0.0000253 |
| 2053 Jan | 0.00000233 | 0.763 | 0.000564 | 1.14 | 0.00316 | 0.000102 | 0.687 | 0.000832 | 0.0014 | 0.0000243 | 0.0000564 | 0.0000282 | 0.0178 | 0.00000451 | 0.0000272 | 0.000232 | 0.00135 | 0.0000244 |
| 2053 Feb | 0.00000238 | 0.754 | 0.000546 | 1.14 | 0.00245 | 0.00008 | 0.692 | 0.000731 | 0.00137 | 0.0000245 | 0.0000545 | 0.0000273 | 0.0169 | 0.00000465 | 0.0000233 | 0.000237 | 0.0014 | 0.0000304 |
| 2053 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2053 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2053 May | 0.00000233 | 0.803 | 0.000549 | 1.21 | 0.00273 | 0.0000905 | 0.749 | 0.000937 | 0.00113 | 0.0000245 | 0.0000549 | 0.0000275 | 0.0188 | 0.00000453 | 0.0000264 | 0.000232 | 0.00136 | 0.0000356 |
| 2053 Jun | 0.0000023 | 0.988 | 0.000562 | 1.46 | 0.00306 | 0.000105 | 0.87 | 0.00102 | 0.00199 | 0.0000234 | 0.0000563 | 0.0000281 | 0.0245 | 0.00000444 | 0.0000285 | 0.000229 | 0.00133 | 0.0000244 |
| 2053 Jul | 0.00000247 | 0.635 | 0.000515 | 1.02 | 0.00298 | 0.0000422 | 0.608 | 0.000739 | 0.00104 | 0.0000247 | 0.0000515 | 0.0000258 | 0.0154 | 0.0000049 | 0.0000194 | 0.000246 | 0.00147 | 0.0000147 |
| 2053 Aug | 0.00000242 | 0.689 | 0.000543 | 0.97 | 0.00275 | 0.0000791 | 0.604 | 0.000622 | 0.00111 | 0.0000243 | 0.0000543 | 0.0000271 | 0.0174 | 0.00000475 | 0.0000253 | 0.000241 | 0.00142 | 0.000023 |
| 2053 Sep | 0.00000233 | 0.723 | 0.00059 | 1.07 | 0.00405 | 0.000122 | 0.637 | 0.000754 | 0.00124 | 0.0000236 | 0.0000589 | 0.0000343 | 0.0199 | 0.00000447 | 0.0000322 | 0.000231 | 0.00134 | 0.0000295 |
| 2053 Oct | 0.00000214 | 0.892 | 0.000671 | 1.25 | 0.0069 | 0.000215 | 0.697 | 0.00142 | 0.00145 | 0.00036 | 0.0000826 | 0.0000334 | 0.0252 | 0.00000392 | 0.0000484 | 0.000212 | 0.00164 | 0.0000578 |
| 2053 Nov | 0.00000211 | 0.789 | 0.000678 | 1.1 | 0.00712 | 0.000225 | 0.632 | 0.00129 | 0.0018 | 0.0000246 | 0.0000677 | 0.0000337 | 0.022 | 0.00000383 | 0.0000486 | 0.000208 | 0.00115 | 0.0000609 |
| 2053 Dec | 0.0000022 | 0.809 | 0.000635 | 1.16 | 0.00557 | 0.000177 | 0.68 | 0.00116 | 0.00152 | 0.0000248 | 0.0000634 | 0.0000316 | 0.0208 | 0.00000411 | 0.0000408 | 0.000218 | 0.00123 | 0.0000463 |
| 2054 Jan | 0.00000229 | 0.786 | 0.000596 | 1.15 | 0.00416 | 0.000133 | 0.687 | 0.000966 | 0.00146 | 0.0000249 | 0.0000595 | 0.0000297 | 0.0191 | 0.00000437 | 0.000033 | 0.000227 | 0.00131 | 0.0000329 |
| 2054 Feb | 0.00000222 | 0.803 | 0.000626 | 1.16 | 0.00524 | 0.000167 | 0.681 | 0.00112 | 0.0015 | 0.0000249 | 0.0000625 | 0.0000311 | 0.0204 | 0.00000417 | 0.000039 | 0.00022 | 0.00125 | 0.0000432 |
| 2054 Mar | 0.00000224 | 0.865 | 0.000619 | 1.25 | 0.005 | 0.00016 | 0.743 | 0.00122 | 0.00161 | 0.0000249 | 0.0000619 | 0.0000308 | 0.0213 | 0.00000421 | 0.0000388 | 0.000222 | 0.00126 | 0.0000454 |
| 2054 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2054 May | 0.00000248 | 0.8 | 0.000505 | 1.25 | 0.000814 | 0.0000311 | 0.789 | 0.000713 | 0.00101 | 0.0000251 | 0.0000505 | 0.0000252 | 0.0172 | 0.00000496 | 0.0000165 | 0.000248 | 0.00149 | 0.0000146 |
| 2054 Jun | 0.00000227 | 0.978 | 0.000564 | 1.45 | 0.00319 | 0.000107 | 0.86 | 0.00102 | 0.00197 | 0.0000236 | 0.000056 | 0.000028 | 0.0244 | 0.00000439 | 0.0000287 | 0.000226 | 0.00132 | 0.0000246 |
| 2054 Jul | 0.00000225 | 0.703 | 0.000591 | 1.05 | 0.00541 | 0.000131 | 0.613 | 0.00108 | 0.00124 | 0.0000229 | 0.0000584 | 0.0000292 | 0.0189 | 0.0000043 | 0.0000342 | 0.000224 | 0.00129 | 0.0000318 |
| 2054 Aug | 0.00000227 | 0.696 | 0.000571 | 0.965 | 0.00407 | 0.000119 | 0.589 | 0.000804 | 0.00117 | 0.000023 | 0.0000564 | 0.0000282 | 0.0185 | 0.00000437 | 0.0000317 | 0.000226 | 0.00131 | 0.0000264 |
| 2054 Sep | 0.00000214 | 0.71 | 0.000611 | 1.02 | 0.0054 | 0.000161 | 0.598 | 0.000932 | 0.00125 | 0.0000219 | 0.00006 | 0.0000338 | 0.0204 | 0.00000403 | 0.0000385 | 0.000212 | 0.00121 | 0.0000409 |
| 2054 Oct | 0.00000203 | 0.823 | 0.000639 | 1.15 | 0.00657 | 0.000199 | 0.641 | 0.0013 | 0.0013 | 0.000366 | 0.0000785 | 0.0000314 | 0.0236 | 0.00000372 | 0.000045 | 0.0002 | 0.00159 | 0.0000524 |
| 2054 Nov | 0.00000186 | 0.767 | 0.000694 | 1.03 | 0.00864 | 0.000265 | 0.577 | 0.00146 | 0.00159 | 0.0000755 | 0.0000699 | 0.0000339 | 0.023 | 0.00000325 | 0.0000555 | 0.000182 | 0.00105 | 0.0000723 |
| 2054 Dec | 0.00000207 | 0.772 | 0.000631 | 1.09 | 0.00601 | 0.000185 | 0.635 | 0.00117 | 0.00143 | 0.0000591 | 0.0000634 | 0.000031 | 0.0206 | 0.00000384 | 0.000042 | 0.000205 | 0.0012 | 0.0000484 |
| 2055 Jan | 0.00000223 | 0.756 | 0.000582 | 1.11 | 0.00402 | 0.000125 | 0.661 | 0.000913 | 0.00138 | 0.0000463 | 0.0000584 | 0.0000287 | 0.0185 | 0.00000427 | 0.0000314 | 0.000222 | 0.00131 | 0.0000303 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 0.00000228 | 0.751 | 0.000566 | 1.11 | 0.0034 | 0.000107 | 0.669 | 0.000832 | 0.00137 | 0.0000424 | 0.0000568 | 0.000028 | 0.0178 | 0.00000441 | 0.0000281 | 0.000227 | 0.00135 | 0.0000246 |
| 2055 Mar | 0.00000235 | 0.834 | 0.000547 | 1.24 | 0.00259 | 0.0000827 | 0.762 | 0.000916 | 0.00151 | 0.0000373 | 0.0000548 | 0.0000272 | 0.0185 | 0.00000458 | 0.0000253 | 0.000234 | 0.00139 | 0.0000235 |
| 2055 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2055 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2055 Jun | 0.0000023 | 0.985 | 0.00055 | 1.47 | 0.00268 | 0.0000906 | 0.874 | 0.000956 | 0.002 | 0.0000268 | 0.0000545 | 0.0000272 | 0.0243 | 0.00000448 | 0.0000258 | 0.000229 | 0.00135 | 0.000021 |
| 2055 Jul | 0.00000235 | 0.675 | 0.000559 | 1.04 | 0.00432 | 0.0000904 | 0.612 | 0.000923 | 0.00117 | 0.000024 | 0.0000552 | 0.0000276 | 0.0174 | 0.00000457 | 0.0000276 | 0.000234 | 0.00137 | 0.0000193 |
| 2055 Aug | 0.00000228 | 0.71 | 0.000577 | 0.985 | 0.00414 | 0.00012 | 0.6 | 0.000818 | 0.00121 | 0.0000234 | 0.0000568 | 0.0000283 | 0.0189 | 0.00000439 | 0.0000323 | 0.000227 | 0.00132 | 0.0000263 |
| 2055 Sep | 0.00000218 | 0.697 | 0.000586 | 1.02 | 0.00459 | 0.000134 | 0.602 | 0.000802 | 0.00121 | 0.0000224 | 0.0000574 | 0.0000329 | 0.0196 | 0.00000415 | 0.0000341 | 0.000217 | 0.00125 | 0.0000321 |
| 2055 Oct | 0.00000192 | 0.806 | 0.000663 | 1.1 | 0.00765 | 0.000229 | 0.615 | 0.00139 | 0.00139 | 0.000237 | 0.0000741 | 0.0000322 | 0.0238 | 0.00000343 | 0.0000506 | 0.000188 | 0.00133 | 0.0000598 |
| 2055 Nov | 0.00000197 | 0.728 | 0.000652 | 1.01 | 0.00703 | 0.000212 | 0.578 | 0.00118 | 0.00164 | 0.0000211 | 0.0000631 | 0.0000317 | 0.0208 | 0.00000357 | 0.0000466 | 0.000194 | 0.00107 | 0.0000549 |
| 2055 Dec | 0.00000207 | 0.761 | 0.000624 | 1.07 | 0.00585 | 0.000178 | 0.631 | 0.00112 | 0.00144 | 0.0000219 | 0.0000608 | 0.0000305 | 0.0202 | 0.00000384 | 0.0000411 | 0.000205 | 0.00115 | 0.0000448 |
| 2056 Jan | 0.00000224 | 0.749 | 0.000575 | 1.1 | 0.00379 | 0.000117 | 0.661 | 0.000864 | 0.00138 | 0.0000232 | 0.0000565 | 0.0000283 | 0.0181 | 0.00000431 | 0.0000301 | 0.000223 | 0.00129 | 0.0000268 |
| 2056 Feb | 0.00000215 | 0.756 | 0.000602 | 1.09 | 0.0049 | 0.00015 | 0.645 | 0.001 | 0.00141 | 0.0000225 | 0.0000588 | 0.0000295 | 0.0192 | 0.00000406 | 0.000036 | 0.000213 | 0.00122 | 0.0000365 |
| 2056 Mar | 0.0000024 | 0.834 | 0.000528 | 1.26 | 0.00183 | 0.0000591 | 0.777 | 0.000826 | 0.00151 | 0.0000243 | 0.0000524 | 0.0000262 | 0.0177 | 0.00000474 | 0.0000214 | 0.00024 | 0.00142 | 0.0000282 |
| 2056 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2056 May | 0.00000244 | 0.797 | 0.000512 | 1.23 | 0.00118 | 0.0000418 | 0.777 | 0.000746 | 0.00103 | 0.0000246 | 0.000051 | 0.0000255 | 0.0174 | 0.00000485 | 0.0000184 | 0.000244 | 0.00146 | 0.0000167 |
| 2056 Jun | 0.00000227 | 0.976 | 0.000571 | 1.44 | 0.00335 | 0.000109 | 0.855 | 0.00102 | 0.00196 | 0.000023 | 0.000056 | 0.0000279 | 0.0245 | 0.00000437 | 0.0000295 | 0.000225 | 0.00131 | 0.000024 |
| 2056 Jul | 0.00000242 | 0.646 | 0.000529 | 1.02 | 0.00339 | 0.0000563 | 0.608 | 0.000787 | 0.00108 | 0.0000244 | 0.0000524 | 0.0000262 | 0.016 | 0.00000479 | 0.0000219 | 0.000242 | 0.00144 | 0.0000154 |
| 2056 Aug | 0.00000249 | 0.654 | 0.000504 | 0.933 | 0.00149 | 0.0000382 | 0.594 | 0.000421 | 0.00101 | 0.0000249 | 0.0000504 | 0.0000252 | 0.0158 | 0.00000497 | 0.0000183 | 0.000249 | 0.00149 | 0.00000993 |
| 2056 Sep | 0.00000234 | 0.698 | 0.000567 | 1.05 | 0.00336 | 0.0000961 | 0.629 | 0.000613 | 0.00118 | 0.0000237 | 0.0000557 | 0.0000331 | 0.0189 | 0.00000454 | 0.0000279 | 0.000233 | 0.00136 | 0.0000243 |
| 2056 Oct | 0.00000204 | 0.83 | 0.000625 | 1.16 | 0.00607 | 0.000179 | 0.657 | 0.00121 | 0.00133 | 0.000361 | 0.0000761 | 0.0000302 | 0.0235 | 0.00000377 | 0.0000422 | 0.000201 | 0.0016 | 0.0000443 |
| 2056 Nov | 0.00000195 | 0.745 | 0.000647 | 1.03 | 0.0069 | 0.000207 | 0.592 | 0.00117 | 0.00164 | 0.0000448 | 0.0000631 | 0.0000311 | 0.0211 | 0.00000354 | 0.0000458 | 0.000192 | 0.0011 | 0.000052 |
| 2056 Dec | 0.00000217 | 0.761 | 0.000589 | 1.1 | 0.00443 | 0.000134 | 0.657 | 0.000942 | 0.00141 | 0.0000372 | 0.0000579 | 0.0000287 | 0.019 | 0.00000412 | 0.0000334 | 0.000215 | 0.00126 | 0.0000313 |
| 2057 Jan | 0.00000228 | 0.751 | 0.00056 | 1.11 | 0.00321 | 0.0000988 | 0.672 | 0.000792 | 0.00137 | 0.0000333 | 0.0000554 | 0.0000275 | 0.0177 | 0.00000441 | 0.0000271 | 0.000226 | 0.00134 | 0.0000212 |
| 2057 Feb | 0.00000234 | 0.745 | 0.000544 | 1.12 | 0.00253 | 0.0000788 | 0.681 | 0.000707 | 0.00135 | 0.000031 | 0.0000539 | 0.0000268 | 0.0169 | 0.00000457 | 0.0000235 | 0.000233 | 0.00138 | 0.0000166 |
| 2057 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2057 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2057 May | 0.00000241 | 0.796 | 0.000519 | 1.22 | 0.00153 | 0.0000514 | 0.768 | 0.000777 | 0.00105 | 0.0000276 | 0.0000516 | 0.0000257 | 0.0177 | 0.00000476 | 0.00002 | 0.00024 | 0.00143 | 0.0000146 |
| 2057 Jun | 0.00000228 | 0.976 | 0.000558 | 1.44 | 0.00292 | 0.0000953 | 0.863 | 0.000957 | 0.00196 | 0.0000245 | 0.0000547 | 0.0000273 | 0.0242 | 0.00000443 | 0.0000271 | 0.000227 | 0.00133 | 0.0000195 |
| 2057 Jul | 0.00000237 | 0.662 | 0.000547 | 1.02 | 0.00395 | 0.0000757 | 0.609 | 0.000854 | 0.00112 | 0.0000243 | 0.0000538 | 0.0000269 | 0.0168 | 0.00000463 | 0.0000253 | 0.000236 | 0.00139 | 0.0000167 |
| 2057 Aug | 0.00000243 | 0.674 | 0.00053 | 0.952 | 0.00234 | 0.0000635 | 0.598 | 0.00054 | 0.00107 | 0.0000246 | 0.0000524 | 0.0000262 | 0.0169 | 0.00000479 | 0.0000227 | 0.000242 | 0.00144 | 0.0000114 |
| 2057 Sep | 0.00000226 | 0.691 | 0.000569 | 1.02 | 0.00372 | 0.000105 | 0.615 | 0.00065 | 0.00117 | 0.0000233 | 0.0000554 | 0.0000325 | 0.019 | 0.00000437 | 0.0000294 | 0.000225 | 0.00131 | 0.0000221 |
| 2057 Oct | 0.00000192 | 0.802 | 0.000644 | 1.1 | 0.00697 | 0.000202 | 0.622 | 0.00124 | 0.00135 | 0.000261 | 0.0000723 | 0.0000309 | 0.0234 | 0.0000035 | 0.0000462 | 0.000189 | 0.00139 | 0.0000487 |
| 2057 Nov | 0.00000202 | 0.713 | 0.000625 | 0.999 | 0.00599 | 0.000176 | 0.583 | 0.000988 | 0.00163 | 0.0000274 | 0.0000599 | 0.0000302 | 0.0197 | 0.00000374 | 0.0000403 | 0.000199 | 0.00113 | 0.0000416 |
| 2057 Dec | 0.0000022 | 0.748 | 0.000578 | 1.09 | 0.00398 | 0.000119 | 0.656 | 0.000855 | 0.00138 | 0.0000266 | 0.0000562 | 0.0000282 | 0.0184 | 0.00000422 | 0.0000308 | 0.000218 | 0.00127 | 0.0000258 |
| 2058 Jan | 0.00000227 | 0.744 | 0.00056 | 1.1 | 0.00322 | 0.0000973 | 0.667 | 0.000769 | 0.00136 | 0.0000263 | 0.0000548 | 0.0000275 | 0.0176 | 0.0000044 | 0.0000269 | 0.000226 | 0.00132 | 0.0000199 |
| 2058 Feb | 0.00000234 | 0.74 | 0.000541 | 1.11 | 0.00242 | 0.0000743 | 0.679 | 0.000677 | 0.00134 | 0.0000259 | 0.0000533 | 0.0000267 | 0.0167 | 0.00000459 | 0.0000227 | 0.000233 | 0.00138 | 0.0000181 |
| 2058 Mar | 0.00000244 | 0.836 | 0.000515 | 1.27 | 0.00132 | 0.0000435 | 0.789 | 0.000768 | 0.0015 | 0.0000253 | 0.0000512 | 0.0000256 | 0.0173 | 0.00000485 | 0.0000187 | 0.000244 | 0.00145 | 0.00000929 |
| 2058 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2058 May | 0.00000244 | 0.796 | 0.000511 | 1.23 | 0.00117 | 0.0000407 | 0.777 | 0.000739 | 0.00103 | 0.0000252 | 0.0000508 | 0.0000254 | 0.0174 | 0.00000485 | 0.0000182 | 0.000244 | 0.00146 | 0.0000133 |
| 2058 Jun | 0.00000227 | 0.98 | 0.000568 | 1.44 | 0.00321 | 0.000103 | 0.86 | 0.000978 | 0.00197 | 0.0000234 | 0.0000554 | 0.0000276 | 0.0245 | 0.00000438 | 0.0000287 | 0.000225 | 0.00132 | 0.0000208 |
| 2058 Jul | 0.00000247 | 0.631 | 0.000512 | 1.01 | 0.00287 | 0.0000372 | 0.607 | 0.000714 | 0.00103 | 0.0000248 | 0.000051 | 0.0000255 | 0.0152 | 0.00000492 | 0.0000187 | 0.000247 | 0.00148 | 0.0000111 |
| 2058 Aug | 0.00000249 | 0.654 | 0.000505 | 0.934 | 0.00149 | 0.000038 | 0.594 | 0.000419 | 0.00101 | 0.0000249 | 0.0000504 | 0.0000252 | 0.0158 | 0.00000497 | 0.0000183 | 0.000249 | 0.00149 | 0.00000882 |
| 2058 Sep | 0.00000229 | 0.694 | 0.000568 | 1.03 | 0.0036 | 0.000103 | 0.617 | 0.000621 | 0.00118 | 0.0000232 | 0.0000558 | 0.0000327 | 0.019 | 0.00000441 | 0.0000297 | 0.000227 | 0.00132 | 0.0000203 |
| 2058 Oct | 0.00000198 | 0.813 | 0.000648 | 1.11 | 0.00695 | 0.000206 | 0.625 | 0.00122 | 0.00136 | 0.000271 | 0.0000745 | 0.0000314 | 0.0235 | 0.00000354 | 0.0000493 | 0.000192 | 0.00141 | 0.0000464 |
| 2058 Nov | 0.00000198 | 0.741 | 0.000656 | 1 | 0.00707 | 0.000212 | 0.581 | 0.00111 | 0.00162 | 0.0000305 | 0.0000641 | 0.0000317 | 0.0212 | 0.00000353 | 0.0000495 | 0.000192 | 0.00107 | 0.0000477 |
| 2058 Dec | 0.00000218 | 0.759 | 0.000596 | 1.09 | 0.00459 | 0.000139 | 0.649 | 0.000909 | 0.0014 | 0.0000286 | 0.0000587 | 0.0000291 | 0.0191 | 0.0000041 | 0.000036 | 0.000215 | 0.00124 | 0.0000292 |
| 2059 Jan | 0.00000229 | 0.749 | 0.000563 | 1.1 | 0.00327 | 0.000101 | 0.668 | 0.000765 | 0.00137 | 0.0000274 | 0.0000558 | 0.0000277 | 0.0177 | 0.00000441 | 0.0000285 | 0.000227 | 0.00133 | 0.0000193 |
| 2059 Feb | 0.00000231 | 0.747 | 0.000557 | 1.11 | 0.00299 | 0.0000925 | 0.672 | 0.000734 | 0.00136 | 0.0000272 | 0.0000551 | 0.0000274 | 0.0174 | 0.00000447 | 0.0000269 | 0.000229 | 0.00135 | 0.0000172 |
| 2059 Mar | 0.00000223 | 0.826 | 0.000581 | 1.19 | 0.00398 | 0.000122 | 0.723 | 0.000993 | 0.00151 | 0.0000281 | 0.0000574 | 0.0000285 | 0.0197 | 0.00000424 | 0.0000337 | 0.00022 | 0.00128 | 0.0000247 |
| 2059 Apr | 0.00000239 | 0.77 | 0.000532 | 1.07 | 0.00188 | 0.0000629 | 0.716 | 0.000799 | 0.00133 | 0.0000262 | 0.0000529 | 0.0000264 | 0.0143 | 0.0000047 | 0.0000226 | 0.000238 | 0.00141 | 0.0000291 |
| 2059 May | 0.00000244 | 0.797 | 0.000512 | 1.23 | 0.00119 | 0.0000418 | 0.776 | 0.000738 | 0.00103 | 0.0000256 | 0.0000511 | 0.0000255 | 0.0175 | 0.00000485 | 0.0000186 | 0.000244 | 0.00146 | 0.0000132 |
| 2059 Jun | 0.00000231 | 0.979 | 0.000554 | 1.45 | 0.00272 | 0.0000899 | 0.867 | 0.000919 | 0.00196 | 0.0000245 | 0.0000547 | 0.0000271 | 0.0241 | 0.00000447 | 0.000027 | 0.000229 | 0.00134 | 0.0000163 |
| 2059 Jul | 0.00000247 | 0.631 | 0.000513 | 1.01 | 0.00289 | 0.0000383 | 0.606 | 0.000714 | 0.00103 | 0.0000249 | 0.0000511 | 0.0000255 | 0.0153 | 0.00000491 | 0.000019 | 0.000246 | 0.00147 | 0.00000688 |
| 2059 Aug | 0.00000245 | 0.67 | 0.000525 | 0.948 | 0.00215 | 0.0000581 | 0.597 | 0.000508 | 0.00106 | 0.0000248 | 0.0000522 | 0.000026 | 0.0166 | 0.00000484 | 0.0000221 | 0.000244 | 0.00145 | 0.0000139 |
| 2059 Sep | 0.00000225 | 0.703 | 0.000579 | 1.03 | 0.00405 | 0.000116 | 0.615 | 0.000681 | 0.0012 | 0.0000233 | 0.0000567 | 0.0000326 | 0.0194 | 0.00000429 | 0.0000325 | 0.000222 | 0.00129 | 0.0000228 |
| 2059 Oct | 0.00000198 | 0.808 | 0.000633 | 1.1 | 0.0065 | 0.000189 | 0.627 | 0.00115 | 0.00131 | 0.000307 | 0.000074 | 0.0000303 | 0.0232 | 0.00000358 | 0.000046 | 0.000193 | 0.00147 | 0.0000409 |
| 2059 Nov | 0.00000197 | 0.734 | 0.000643 | 1 | 0.00668 | 0.000196 | 0.581 | 0.00104 | 0.0016 | 0.0000503 | 0.000063 | 0.0000308 | 0.0208 | 0.00000356 | 0.0000463 | 0.000192 | 0.00111 | 0.0000427 |
| 2059 Dec | 0.00000217 | 0.756 | 0.00059 | 1.08 | 0.00442 | 0.000132 | 0.649 | 0.000879 | 0.00138 | 0.0000409 | 0.0000582 | 0.0000286 | 0.019 | 0.00000411 | 0.0000345 | 0.000214 | 0.00126 | 0.0000267 |
| 2060 Jan | 0.00000229 | 0.747 | 0.000559 | 1.1 | 0.00314 | 0.0000952 | 0.668 | 0.000742 | 0.00135 | 0.0000355 | 0.0000554 | 0.0000274 | 0.0176 | 0.00000441 | 0.0000274 | 0.000226 | 0.00134 | 0.0000175 |
| 2060 Feb | 0.00000234 | 0.743 | 0.000543 | 1.11 | 0.00249 | 0.0000766 | 0.678 | 0.000673 | 0.00134 | 0.0000327 | 0.000054 | 0.0000267 | 0.0169 | 0.00000457 | 0.0000238 | 0.000233 | 0.00138 | 0.0000138 |
| 2060 Mar | 0.00000244 | 0.836 | 0.000518 | 1.27 | 0.00141 | 0.0000463 | 0.786 | 0.000771 | 0.0015 | 0.0000282 | 0.0000516 | 0.0000257 | 0.0174 | 0.00000482 | 0.0000195 | 0.000243 | 0.00145 | 0.0000137 |
| 2060 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2060 May | 0.00000234 | 0.797 | 0.000539 | 1.2 | 0.00231 | 0.0000727 | 0.752 | 0.000834 | 0.00108 | 0.0000263 | 0.0000531 | 0.0000264 | 0.0184 | 0.00000458 | 0.0000243 | 0.000233 | 0.00138 | 0.0000176 |
| 2060 Jun | 0.00000231 | 0.985 | 0.000562 | 1.46 | 0.00286 | 0.0000913 | 0.872 | 0.00093 | 0.00197 | 0.0000241 | 0.0000547 | 0.0000272 | 0.0244 | 0.00000448 | 0.000027 | 0.000229 | 0.00134 | 0.0000166 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 0.00000243 | 0.644 | 0.000527 | 1.01 | 0.00331 | 0.0000522 | 0.607 | 0.000762 | 0.00106 | 0.0000246 | 0.0000521 | 0.000026 | 0.0159 | 0.00000481 | 0.0000215 | 0.000242 | 0.00144 | 0.000014 |
| 2060 Aug | 0.00000228 | 0.695 | 0.000567 | 0.961 | 0.0038 | 0.000105 | 0.593 | 0.000713 | 0.00116 | 0.0000234 | 0.0000549 | 0.0000274 | 0.0184 | 0.0000044 | 0.0000304 | 0.000226 | 0.00132 | 0.0000184 |
| 2060 Sep | 0.00000224 | 0.677 | 0.000563 | 0.996 | 0.00366 | 0.000101 | 0.6 | 0.000599 | 0.00114 | 0.0000229 | 0.0000545 | 0.000032 | 0.0187 | 0.00000432 | 0.0000292 | 0.000222 | 0.0013 | 0.0000187 |
| 2060 Oct | 0.00000192 | 0.807 | 0.000666 | 1.08 | 0.00743 | 0.00021 | 0.615 | 0.00121 | 0.00136 | 0.000255 | 0.0000731 | 0.0000312 | 0.0239 | 0.00000345 | 0.0000497 | 0.000187 | 0.00136 | 0.0000455 |
| 2060 Nov | 0.00000196 | 0.734 | 0.000664 | 0.99 | 0.00713 | 0.000204 | 0.577 | 0.00106 | 0.00162 | 0.0000304 | 0.0000625 | 0.0000312 | 0.0212 | 0.00000353 | 0.0000475 | 0.000191 | 0.00107 | 0.000044 |
| 2060 Dec | 0.00000218 | 0.756 | 0.000599 | 1.08 | 0.00457 | 0.000133 | 0.649 | 0.000878 | 0.00139 | 0.0000284 | 0.0000576 | 0.0000287 | 0.0191 | 0.00000412 | 0.0000345 | 0.000214 | 0.00124 | 0.0000265 |
| 2061 Jan | 0.00000226 | 0.749 | 0.000574 | 1.09 | 0.00359 | 0.000106 | 0.663 | 0.000778 | 0.00137 | 0.0000276 | 0.0000557 | 0.0000278 | 0.018 | 0.00000434 | 0.0000293 | 0.000223 | 0.00131 | 0.0000199 |
| 2061 Feb | 0.00000231 | 0.745 | 0.000559 | 1.1 | 0.00301 | 0.0000896 | 0.671 | 0.000719 | 0.00136 | 0.0000271 | 0.0000545 | 0.0000272 | 0.0174 | 0.00000447 | 0.0000262 | 0.000229 | 0.00135 | 0.0000159 |
| 2061 Mar | 0.00000236 | 0.832 | 0.000543 | 1.24 | 0.00234 | 0.0000715 | 0.764 | 0.000842 | 0.00151 | 0.0000265 | 0.0000533 | 0.0000266 | 0.0182 | 0.00000462 | 0.0000241 | 0.000235 | 0.00139 | 0.0000161 |
| 2061 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2061 May | 0.0000024 | 0.795 | 0.000523 | 1.22 | 0.00162 | 0.0000529 | 0.766 | 0.00077 | 0.00105 | 0.0000261 | 0.0000517 | 0.0000258 | 0.0178 | 0.00000474 | 0.0000206 | 0.000239 | 0.00142 | 0.0000153 |
| 2061 Jun | 0.00000228 | 0.978 | 0.000559 | 1.44 | 0.0029 | 0.0000915 | 0.864 | 0.000921 | 0.00198 | 0.0000234 | 0.0000542 | 0.0000269 | 0.0243 | 0.00000442 | 0.0000271 | 0.000226 | 0.00133 | 0.0000162 |
| 2061 Jul | 0.00000229 | 0.684 | 0.000572 | 1.03 | 0.0047 | 0.0000987 | 0.609 | 0.000914 | 0.0012 | 0.0000233 | 0.000055 | 0.0000274 | 0.018 | 0.00000441 | 0.0000299 | 0.000227 | 0.00132 | 0.0000181 |
| 2061 Aug | 0.00000236 | 0.686 | 0.000548 | 0.958 | 0.003 | 0.0000807 | 0.598 | 0.000609 | 0.00113 | 0.0000239 | 0.0000534 | 0.0000266 | 0.0176 | 0.00000462 | 0.0000261 | 0.000235 | 0.00139 | 0.0000127 |
| 2061 Sep | 0.00000226 | 0.694 | 0.000572 | 1.02 | 0.00373 | 0.000101 | 0.615 | 0.000619 | 0.00119 | 0.0000231 | 0.0000549 | 0.0000321 | 0.0191 | 0.00000436 | 0.0000295 | 0.000224 | 0.00131 | 0.0000188 |
| 2061 Oct | 0.00000201 | 0.805 | 0.000613 | 1.12 | 0.0058 | 0.000161 | 0.636 | 0.00106 | 0.00128 | 0.000358 | 0.000073 | 0.0000286 | 0.0228 | 0.00000372 | 0.0000404 | 0.000197 | 0.00159 | 0.0000331 |
| 2061 Nov | 0.00000188 | 0.726 | 0.000646 | 0.978 | 0.00702 | 0.000197 | 0.569 | 0.00106 | 0.00158 | 0.0000467 | 0.0000608 | 0.0000296 | 0.021 | 0.00000339 | 0.0000462 | 0.000183 | 0.00106 | 0.0000419 |
| 2061 Dec | 0.00000212 | 0.747 | 0.000591 | 1.07 | 0.00461 | 0.000132 | 0.638 | 0.000879 | 0.00139 | 0.0000388 | 0.0000567 | 0.0000279 | 0.019 | 0.00000401 | 0.0000342 | 0.000209 | 0.00123 | 0.0000259 |
| 2062 Jan | 0.00000225 | 0.741 | 0.000559 | 1.09 | 0.00322 | 0.0000938 | 0.662 | 0.000738 | 0.00136 | 0.0000339 | 0.0000543 | 0.0000269 | 0.0176 | 0.00000436 | 0.000027 | 0.000223 | 0.00132 | 0.0000168 |
| 2062 Feb | 0.0000023 | 0.739 | 0.000547 | 1.1 | 0.00272 | 0.0000803 | 0.67 | 0.000687 | 0.00135 | 0.0000322 | 0.0000535 | 0.0000265 | 0.017 | 0.00000449 | 0.0000244 | 0.000229 | 0.00136 | 0.0000135 |
| 2062 Mar | 0.00000248 | 0.839 | 0.000504 | 1.28 | 0.000849 | 0.0000299 | 0.8 | 0.000724 | 0.0015 | 0.0000256 | 0.0000503 | 0.0000251 | 0.0169 | 0.00000495 | 0.0000164 | 0.000248 | 0.00149 | 0.0000122 |
| 2062 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2062 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2062 Jun | 0.00000231 | 0.985 | 0.000544 | 1.46 | 0.0024 | 0.0000768 | 0.878 | 0.000869 | 0.002 | 0.000025 | 0.0000529 | 0.0000263 | 0.0242 | 0.0000045 | 0.0000243 | 0.000229 | 0.00135 | 0.0000153 |
| 2062 Jul | 0.00000237 | 0.661 | 0.000545 | 1.02 | 0.00388 | 0.0000704 | 0.608 | 0.000815 | 0.00113 | 0.000024 | 0.0000532 | 0.0000265 | 0.0168 | 0.00000464 | 0.000025 | 0.000236 | 0.00139 | 0.0000121 |
| 2062 Aug | 0.0000023 | 0.707 | 0.000574 | 0.971 | 0.00385 | 0.000105 | 0.6 | 0.000703 | 0.0012 | 0.0000235 | 0.0000553 | 0.0000274 | 0.0187 | 0.00000444 | 0.0000311 | 0.000228 | 0.00133 | 0.000017 |
| 2062 Sep | 0.00000227 | 0.681 | 0.000562 | 1 | 0.00352 | 0.0000963 | 0.605 | 0.000571 | 0.00116 | 0.000023 | 0.0000545 | 0.0000318 | 0.0186 | 0.00000436 | 0.0000292 | 0.000224 | 0.00131 | 0.0000162 |
| 2062 Oct | 0.00000202 | 0.803 | 0.000617 | 1.1 | 0.00588 | 0.000165 | 0.627 | 0.00104 | 0.00126 | 0.000373 | 0.0000748 | 0.0000289 | 0.0228 | 0.00000369 | 0.0000431 | 0.000196 | 0.0016 | 0.0000315 |
| 2062 Nov | 0.00000192 | 0.734 | 0.000658 | 0.973 | 0.00722 | 0.000206 | 0.565 | 0.00105 | 0.00158 | 0.0000671 | 0.0000638 | 0.0000302 | 0.0213 | 0.00000339 | 0.0000501 | 0.000185 | 0.00109 | 0.0000404 |
| 2062 Dec | 0.00000213 | 0.754 | 0.000603 | 1.06 | 0.00492 | 0.000142 | 0.634 | 0.00089 | 0.00139 | 0.0000523 | 0.000059 | 0.0000284 | 0.0194 | 0.00000397 | 0.0000377 | 0.000208 | 0.00123 | 0.0000262 |
| 2063 Jan | 0.00000225 | 0.746 | 0.000569 | 1.09 | 0.00352 | 0.000103 | 0.658 | 0.000755 | 0.00136 | 0.0000433 | 0.000056 | 0.0000273 | 0.0179 | 0.00000431 | 0.0000298 | 0.000222 | 0.00132 | 0.0000175 |
| 2063 Feb | 0.00000235 | 0.74 | 0.000541 | 1.11 | 0.00236 | 0.0000711 | 0.677 | 0.000642 | 0.00134 | 0.0000357 | 0.0000535 | 0.0000263 | 0.0167 | 0.00000459 | 0.0000232 | 0.000234 | 0.0014 | 0.000012 |
| 2063 Mar | 0.00000236 | 0.831 | 0.000538 | 1.24 | 0.00223 | 0.000068 | 0.763 | 0.000822 | 0.0015 | 0.000035 | 0.0000533 | 0.0000263 | 0.0181 | 0.00000462 | 0.000024 | 0.000235 | 0.0014 | 0.000013 |
| 2063 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2063 May | 0.00000246 | 0.799 | 0.000511 | 1.24 | 0.00107 | 0.0000375 | 0.781 | 0.000724 | 0.00102 | 0.0000276 | 0.0000509 | 0.0000254 | 0.0174 | 0.00000489 | 0.000018 | 0.000245 | 0.00147 | 0.00000968 |
| 2063 Jun | 0.00000226 | 0.97 | 0.000557 | 1.43 | 0.00294 | 0.0000912 | 0.853 | 0.000899 | 0.00197 | 0.0000239 | 0.0000537 | 0.0000266 | 0.0242 | 0.00000436 | 0.0000276 | 0.000223 | 0.00131 | 0.0000147 |
| 2063 Jul | 0.00000241 | 0.646 | 0.000529 | 1.01 | 0.00339 | 0.0000539 | 0.606 | 0.000758 | 0.00108 | 0.0000243 | 0.0000519 | 0.0000258 | 0.016 | 0.00000476 | 0.000022 | 0.00024 | 0.00143 | 0.0000117 |
| 2063 Aug | 0.0000025 | 0.652 | 0.000502 | 0.931 | 0.00141 | 0.0000357 | 0.593 | 0.000408 | 0.00101 | 0.000025 | 0.0000501 | 0.0000251 | 0.0157 | 0.00000499 | 0.0000179 | 0.000249 | 0.0015 | 0.00000224 |
| 2063 Sep | 0.00000242 | 0.672 | 0.000536 | 1.03 | 0.00221 | 0.0000577 | 0.627 | 0.000403 | 0.0011 | 0.0000244 | 0.0000525 | 0.0000321 | 0.0177 | 0.00000476 | 0.0000217 | 0.000241 | 0.00143 | 0.00000726 |
| 2063 Oct | 0.00000206 | 0.868 | 0.000665 | 1.18 | 0.00667 | 0.000182 | 0.677 | 0.00115 | 0.00146 | 0.000332 | 0.0000755 | 0.00003 | 0.0248 | 0.00000377 | 0.0000461 | 0.000201 | 0.00156 | 0.0000362 |
| 2063 Nov | 0.00000224 | 0.707 | 0.000596 | 1.02 | 0.00411 | 0.000116 | 0.613 | 0.000678 | 0.00179 | 0.0000259 | 0.0000566 | 0.0000279 | 0.0179 | 0.00000428 | 0.000031 | 0.000221 | 0.00129 | 0.0000204 |
| 2063 Dec | 0.00000232 | 0.764 | 0.000568 | 1.13 | 0.0031 | 0.0000896 | 0.686 | 0.000726 | 0.00141 | 0.0000257 | 0.0000546 | 0.0000271 | 0.0179 | 0.00000449 | 0.0000268 | 0.00023 | 0.00135 | 0.0000144 |
| 2064 Jan | 0.00000232 | 0.765 | 0.000568 | 1.13 | 0.00311 | 0.00009 | 0.686 | 0.000727 | 0.00142 | 0.0000257 | 0.0000547 | 0.0000271 | 0.0179 | 0.00000449 | 0.0000269 | 0.00023 | 0.00135 | 0.0000145 |
| 2064 Feb | 0.00000233 | 0.762 | 0.000564 | 1.13 | 0.00295 | 0.0000857 | 0.687 | 0.000711 | 0.00141 | 0.0000256 | 0.0000543 | 0.0000269 | 0.0177 | 0.00000452 | 0.000026 | 0.000231 | 0.00136 | 0.0000187 |
| 2064 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2064 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2064 May | 0.00000241 | 0.794 | 0.000516 | 1.22 | 0.00139 | 0.0000455 | 0.769 | 0.000742 | 0.00104 | 0.0000249 | 0.0000509 | 0.0000254 | 0.0176 | 0.00000477 | 0.0000194 | 0.00024 | 0.00143 | 0.0000116 |
| 2064 Jun | 0.00000234 | 0.99 | 0.00055 | 1.47 | 0.00239 | 0.0000755 | 0.884 | 0.000859 | 0.002 | 0.000024 | 0.0000533 | 0.0000264 | 0.0243 | 0.00000456 | 0.0000246 | 0.000232 | 0.00137 | 0.0000107 |
| 2064 Jul | 0.00000242 | 0.646 | 0.00053 | 1.01 | 0.0034 | 0.000054 | 0.606 | 0.000755 | 0.00107 | 0.0000244 | 0.000052 | 0.0000259 | 0.016 | 0.00000476 | 0.0000221 | 0.000241 | 0.00143 | 0.0000126 |
| 2064 Aug | 0.00000235 | 0.689 | 0.000552 | 0.956 | 0.0031 | 0.0000825 | 0.597 | 0.000601 | 0.00113 | 0.000024 | 0.0000536 | 0.0000266 | 0.0177 | 0.00000459 | 0.0000272 | 0.000233 | 0.00138 | 0.0000106 |
| 2064 Sep | 0.00000216 | 0.697 | 0.000585 | 0.995 | 0.0045 | 0.000122 | 0.598 | 0.000677 | 0.00121 | 0.0000222 | 0.0000557 | 0.0000314 | 0.0195 | 0.00000408 | 0.0000347 | 0.000212 | 0.00122 | 0.00002 |
| 2064 Oct | 0.00000198 | 0.798 | 0.000626 | 1.08 | 0.00621 | 0.00017 | 0.623 | 0.00103 | 0.00131 | 0.000287 | 0.0000709 | 0.0000288 | 0.0228 | 0.0000036 | 0.0000447 | 0.000192 | 0.00145 | 0.0000299 |
| 2064 Nov | 0.00000227 | 0.662 | 0.000556 | 0.975 | 0.0031 | 0.0000892 | 0.591 | 0.000528 | 0.00171 | 0.0000232 | 0.0000538 | 0.0000267 | 0.016 | 0.00000439 | 0.0000259 | 0.000225 | 0.00132 | 0.0000132 |
| 2064 Dec | 0.00000224 | 0.742 | 0.000566 | 1.08 | 0.00349 | 0.0001 | 0.656 | 0.000729 | 0.00136 | 0.0000229 | 0.0000545 | 0.000027 | 0.0178 | 0.00000428 | 0.0000295 | 0.00022 | 0.00129 | 0.0000154 |
| 2065 Jan | 0.00000216 | 0.746 | 0.000584 | 1.06 | 0.00427 | 0.000121 | 0.642 | 0.000799 | 0.00138 | 0.0000223 | 0.0000558 | 0.0000276 | 0.0186 | 0.00000409 | 0.0000338 | 0.000212 | 0.00123 | 0.0000197 |
| 2065 Feb | 0.00000209 | 0.749 | 0.000604 | 1.04 | 0.00511 | 0.000143 | 0.628 | 0.000873 | 0.0014 | 0.0000216 | 0.0000571 | 0.0000282 | 0.0195 | 0.00000387 | 0.0000385 | 0.000203 | 0.00116 | 0.0000243 |
| 2065 Mar | 0.0000023 | 0.821 | 0.000551 | 1.21 | 0.00285 | 0.0000832 | 0.742 | 0.000844 | 0.0015 | 0.0000234 | 0.0000535 | 0.0000266 | 0.0185 | 0.00000445 | 0.0000272 | 0.000227 | 0.00133 | 0.0000308 |
| 2065 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2065 May | 0.00000229 | 0.79 | 0.000551 | 1.17 | 0.00284 | 0.0000845 | 0.73 | 0.000829 | 0.00112 | 0.0000233 | 0.0000535 | 0.0000266 | 0.0188 | 0.00000442 | 0.0000275 | 0.000226 | 0.00133 | 0.0000178 |
| 2065 Jun | 0.00000229 | 0.979 | 0.000554 | 1.44 | 0.00271 | 0.0000845 | 0.865 | 0.000865 | 0.00198 | 0.0000232 | 0.0000537 | 0.0000265 | 0.0242 | 0.00000443 | 0.0000268 | 0.000227 | 0.00133 | 0.0000117 |
| 2065 Jul | 0.00000245 | 0.64 | 0.000521 | 1.01 | 0.00311 | 0.0000445 | 0.608 | 0.000725 | 0.00106 | 0.0000246 | 0.0000515 | 0.0000256 | 0.0157 | 0.00000485 | 0.0000204 | 0.000244 | 0.00145 | 0.00000748 |
| 2065 Aug | 0.00000242 | 0.681 | 0.000536 | 0.954 | 0.00248 | 0.0000653 | 0.6 | 0.000526 | 0.0011 | 0.0000244 | 0.0000526 | 0.0000261 | 0.0172 | 0.00000476 | 0.0000239 | 0.000241 | 0.00143 | 0.00000949 |
| 2065 Sep | 0.00000233 | 0.693 | 0.000562 | 1.03 | 0.00319 | 0.0000845 | 0.623 | 0.000512 | 0.00117 | 0.0000236 | 0.0000542 | 0.0000321 | 0.0188 | 0.00000451 | 0.0000274 | 0.00023 | 0.00135 | 0.0000118 |
| 2065 Oct | 0.00000203 | 0.81 | 0.000607 | 1.12 | 0.00546 | 0.000147 | 0.641 | 0.000956 | 0.00127 | 0.000381 | 0.0000733 | 0.000028 | 0.0228 | 0.00000376 | 0.0000399 | 0.000198 | 0.00163 | 0.0000243 |
| 2065 Nov | 0.00000186 | 0.744 | 0.000658 | 0.975 | 0.00733 | 0.000199 | 0.571 | 0.000997 | 0.00156 | 0.0000651 | 0.000062 | 0.0000295 | 0.0218 | 0.00000328 | 0.0000496 | 0.000178 | 0.00105 | 0.0000346 |

**Appendix D19. Downstream Node 1**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 0.00000198 | 0.764 | 0.000631 | 1.04 | 0.00612 | 0.000168 | 0.615 | 0.000947 | 0.00142 | 0.0000582 | 0.0000599 | 0.0000287 | 0.0209 | 0.00000361 | 0.0000434 | 0.000192 | 0.00114 | 0.0000283 |
| 2066 Jan | 0.00000203 | 0.761 | 0.000619 | 1.05 | 0.0056 | 0.000154 | 0.624 | 0.000903 | 0.00141 | 0.0000551 | 0.000059 | 0.0000284 | 0.0204 | 0.00000375 | 0.0000406 | 0.000198 | 0.00117 | 0.0000256 |
| 2066 Feb | 0.00000204 | 0.761 | 0.000617 | 1.05 | 0.00552 | 0.000152 | 0.626 | 0.000896 | 0.00141 | 0.0000546 | 0.0000589 | 0.0000284 | 0.0203 | 0.00000377 | 0.0000402 | 0.000198 | 0.00118 | 0.0000252 |
| 2066 Mar | 0.00000238 | 0.832 | 0.000532 | 1.24 | 0.00198 | 0.0000594 | 0.769 | 0.000788 | 0.0015 | 0.000033 | 0.0000524 | 0.0000259 | 0.0179 | 0.00000467 | 0.0000224 | 0.000236 | 0.00141 | 0.0000264 |
| 2066 Apr | 0.00000232 | 0.77 | 0.000545 | 1.05 | 0.00245 | 0.0000736 | 0.702 | 0.000801 | 0.00134 | 0.0000363 | 0.0000534 | 0.0000263 | 0.0151 | 0.00000453 | 0.0000252 | 0.00023 | 0.00138 | 0.0000289 |
| 2066 May | 0.00000247 | 0.798 | 0.000506 | 1.24 | 0.000908 | 0.0000326 | 0.784 | 0.000707 | 0.00101 | 0.0000263 | 0.0000504 | 0.0000251 | 0.0173 | 0.00000492 | 0.000017 | 0.000246 | 0.00148 | 0.00000782 |
| 2066 Jun | 0.00000233 | 0.987 | 0.000545 | 1.46 | 0.00229 | 0.0000728 | 0.881 | 0.000836 | 0.00199 | 0.0000247 | 0.000053 | 0.0000262 | 0.0241 | 0.00000455 | 0.0000245 | 0.000231 | 0.00137 | 0.0000106 |
| 2066 Jul | 0.00000249 | 0.623 | 0.000503 | 1.01 | 0.00261 | 0.0000278 | 0.605 | 0.000678 | 0.00101 | 0.000025 | 0.0000502 | 0.0000251 | 0.0148 | 0.00000498 | 0.0000171 | 0.000249 | 0.00149 | 0.00000547 |
| 2066 Aug | 0.00000239 | 0.689 | 0.000548 | 0.958 | 0.00285 | 0.0000754 | 0.601 | 0.000564 | 0.00112 | 0.0000244 | 0.0000534 | 0.0000264 | 0.0176 | 0.00000467 | 0.0000261 | 0.000237 | 0.0014 | 0.00000907 |
| 2066 Sep | 0.00000229 | 0.691 | 0.000565 | 1.02 | 0.00343 | 0.000091 | 0.616 | 0.000536 | 0.00117 | 0.0000236 | 0.0000543 | 0.0000317 | 0.0188 | 0.00000441 | 0.0000289 | 0.000226 | 0.00132 | 0.0000126 |
| 2066 Oct | 0.00000196 | 0.794 | 0.00062 | 1.07 | 0.00606 | 0.000163 | 0.62 | 0.000973 | 0.0013 | 0.000289 | 0.0000698 | 0.0000283 | 0.0227 | 0.00000357 | 0.0000436 | 0.00019 | 0.00145 | 0.0000264 |
| 2066 Nov | 0.00000186 | 0.732 | 0.000647 | 0.959 | 0.00707 | 0.000192 | 0.564 | 0.000948 | 0.00153 | 0.0000499 | 0.0000605 | 0.0000291 | 0.0213 | 0.00000329 | 0.0000488 | 0.000178 | 0.00103 | 0.0000315 |
| 2066 Dec | 0.00000205 | 0.751 | 0.000607 | 1.04 | 0.00527 | 0.000145 | 0.622 | 0.000853 | 0.00139 | 0.0000435 | 0.0000577 | 0.000028 | 0.0198 | 0.00000379 | 0.0000393 | 0.000199 | 0.00117 | 0.0000226 |
| 2067 Jan | 0.00000209 | 0.749 | 0.000598 | 1.04 | 0.00488 | 0.000135 | 0.629 | 0.000822 | 0.00138 | 0.000042 | 0.0000571 | 0.0000278 | 0.0194 | 0.00000389 | 0.0000371 | 0.000203 | 0.0012 | 0.0000207 |
| 2067 Feb | 0.00000211 | 0.748 | 0.000592 | 1.05 | 0.00461 | 0.000128 | 0.634 | 0.000799 | 0.00138 | 0.000041 | 0.0000566 | 0.0000276 | 0.0191 | 0.00000397 | 0.0000356 | 0.000207 | 0.00122 | 0.0000217 |
| 2067 Mar | 0.00000199 | 0.796 | 0.000621 | 1.08 | 0.00586 | 0.000161 | 0.649 | 0.000989 | 0.00148 | 0.0000462 | 0.0000588 | 0.0000284 | 0.0212 | 0.00000363 | 0.0000433 | 0.000193 | 0.00113 | 0.0000256 |
| 2067 Apr | 0.00000219 | 0.767 | 0.000574 | 1.03 | 0.0038 | 0.000108 | 0.669 | 0.000866 | 0.00136 | 0.000038 | 0.0000554 | 0.0000271 | 0.0169 | 0.00000416 | 0.0000325 | 0.000215 | 0.00127 | 0.0000314 |
| 2067 May | 0.00000221 | 0.791 | 0.000572 | 1.15 | 0.00366 | 0.000104 | 0.709 | 0.000864 | 0.00116 | 0.0000373 | 0.0000552 | 0.000027 | 0.0196 | 0.00000421 | 0.0000318 | 0.000217 | 0.00128 | 0.0000177 |
| 2067 Jun | 0.0000023 | 0.975 | 0.000551 | 1.44 | 0.0026 | 0.0000804 | 0.864 | 0.000845 | 0.00195 | 0.0000245 | 0.0000534 | 0.0000263 | 0.024 | 0.00000446 | 0.0000263 | 0.000227 | 0.00134 | 0.0000101 |
| 2067 Jul | 0.00000245 | 0.633 | 0.000515 | 1.01 | 0.00296 | 0.0000395 | 0.605 | 0.000707 | 0.00104 | 0.0000247 | 0.000051 | 0.0000254 | 0.0154 | 0.00000487 | 0.0000195 | 0.000245 | 0.00146 | 0.00000907 |
| 2067 Aug | 0.0000023 | 0.685 | 0.000555 | 0.944 | 0.00341 | 0.0000886 | 0.588 | 0.000609 | 0.00114 | 0.0000235 | 0.0000534 | 0.0000264 | 0.0179 | 0.00000445 | 0.0000288 | 0.000227 | 0.00134 | 0.0000105 |
| 2067 Sep | 0.00000227 | 0.684 | 0.000563 | 1 | 0.00348 | 0.0000899 | 0.609 | 0.00053 | 0.00115 | 0.0000233 | 0.000054 | 0.0000315 | 0.0187 | 0.00000438 | 0.0000288 | 0.000224 | 0.00132 | 0.0000119 |
| 2067 Oct | 0.00000201 | 0.808 | 0.00063 | 1.09 | 0.00611 | 0.00016 | 0.632 | 0.000982 | 0.0013 | 0.000321 | 0.0000719 | 0.0000284 | 0.023 | 0.00000368 | 0.0000434 | 0.000194 | 0.00152 | 0.0000247 |
| 2067 Nov | 0.00000202 | 0.715 | 0.000629 | 0.971 | 0.00593 | 0.000159 | 0.579 | 0.000814 | 0.00162 | 0.0000308 | 0.0000584 | 0.0000284 | 0.0198 | 0.00000371 | 0.0000416 | 0.000196 | 0.00113 | 0.0000243 |
| 2067 Dec | 0.00000213 | 0.754 | 0.000602 | 1.06 | 0.00482 | 0.00013 | 0.638 | 0.000816 | 0.00139 | 0.0000298 | 0.0000566 | 0.0000277 | 0.0193 | 0.00000398 | 0.0000363 | 0.000208 | 0.00121 | 0.0000191 |
| 2068 Jan | 0.0000021 | 0.755 | 0.000609 | 1.05 | 0.00509 | 0.000137 | 0.633 | 0.000838 | 0.0014 | 0.0000302 | 0.0000571 | 0.0000279 | 0.0196 | 0.00000392 | 0.0000378 | 0.000205 | 0.00119 | 0.0000204 |
| 2068 Feb | 0.00000218 | 0.751 | 0.000588 | 1.07 | 0.00424 | 0.000116 | 0.647 | 0.000769 | 0.00138 | 0.0000292 | 0.0000557 | 0.0000273 | 0.0187 | 0.00000413 | 0.0000332 | 0.000213 | 0.00125 | 0.0000217 |
| 2068 Mar | 0.00000234 | 0.828 | 0.000543 | 1.23 | 0.00242 | 0.0000697 | 0.757 | 0.000807 | 0.0015 | 0.0000271 | 0.0000528 | 0.0000261 | 0.0183 | 0.00000457 | 0.0000247 | 0.000232 | 0.00138 | 0.000021 |
| 2068 Apr | 0.00000248 | 0.765 | 0.000506 | 1.07 | 0.000805 | 0.0000308 | 0.735 | 0.000698 | 0.00131 | 0.0000253 | 0.0000504 | 0.0000251 | 0.0129 | 0.00000494 | 0.0000167 | 0.000248 | 0.00148 | 0.0000158 |
| 2068 May | 0.00000241 | 0.795 | 0.000518 | 1.22 | 0.00146 | 0.0000467 | 0.767 | 0.000736 | 0.00104 | 0.0000256 | 0.0000511 | 0.0000254 | 0.0177 | 0.00000476 | 0.00002 | 0.00024 | 0.00143 | 0.00000753 |
| 2068 Jun | 0.00000228 | 0.978 | 0.000565 | 1.43 | 0.00296 | 0.0000884 | 0.86 | 0.000868 | 0.00197 | 0.0000235 | 0.000054 | 0.0000266 | 0.0244 | 0.00000441 | 0.000028 | 0.000225 | 0.00132 | 0.0000113 |
| 2068 Jul | 0.00000248 | 0.627 | 0.000508 | 1.01 | 0.00274 | 0.0000319 | 0.606 | 0.000688 | 0.00102 | 0.0000249 | 0.0000505 | 0.0000252 | 0.015 | 0.00000494 | 0.0000179 | 0.000248 | 0.00148 | 0.00000478 |
| 2068 Aug | 0.00000246 | 0.666 | 0.000519 | 0.942 | 0.00192 | 0.0000491 | 0.597 | 0.000459 | 0.00105 | 0.0000247 | 0.0000512 | 0.0000255 | 0.0164 | 0.00000488 | 0.0000207 | 0.000245 | 0.00146 | 0.00000583 |
| 2068 Sep | 0.00000218 | 0.741 | 0.000622 | 1.04 | 0.00514 | 0.000134 | 0.624 | 0.000721 | 0.00132 | 0.0000227 | 0.0000576 | 0.000032 | 0.0211 | 0.00000408 | 0.0000382 | 0.000212 | 0.00123 | 0.0000203 |
| 2068 Oct | 0.00000229 | 0.859 | 0.000578 | 1.23 | 0.00364 | 0.0000958 | 0.709 | 0.000843 | 0.00121 | 0.000554 | 0.0000795 | 0.0000271 | 0.0228 | 0.0000044 | 0.0000302 | 0.000225 | 0.00206 | 0.0000146 |
| 2068 Nov | 0.00000241 | 0.649 | 0.000532 | 0.99 | 0.00184 | 0.0000539 | 0.606 | 0.000374 | 0.00179 | 0.0000244 | 0.000052 | 0.0000259 | 0.0146 | 0.00000476 | 0.0000184 | 0.00024 | 0.00143 | 0.00000622 |
| 2068 Dec | 0.00000229 | 0.768 | 0.00058 | 1.11 | 0.00348 | 0.0000965 | 0.68 | 0.000719 | 0.00142 | 0.0000235 | 0.0000549 | 0.0000272 | 0.0184 | 0.0000044 | 0.0000292 | 0.000225 | 0.00132 | 0.0000128 |
| 2069 Jan | 0.00000222 | 0.78 | 0.000603 | 1.11 | 0.0043 | 0.000118 | 0.673 | 0.00079 | 0.00145 | 0.0000231 | 0.0000564 | 0.0000278 | 0.0194 | 0.00000422 | 0.0000337 | 0.000218 | 0.00127 | 0.0000166 |
| 2069 Feb | 0.00000204 | 0.813 | 0.000672 | 1.09 | 0.00671 | 0.000179 | 0.652 | 0.000996 | 0.00156 | 0.0000218 | 0.0000607 | 0.0000297 | 0.0225 | 0.00000369 | 0.000047 | 0.000197 | 0.00111 | 0.0000276 |
| 2069 Mar | 0.00000195 | 0.854 | 0.000706 | 1.12 | 0.0079 | 0.00021 | 0.664 | 0.00115 | 0.00165 | 0.0000211 | 0.0000628 | 0.0000306 | 0.0244 | 0.00000343 | 0.000054 | 0.000186 | 0.00103 | 0.0000332 |
| 2069 Apr | 0.00000224 | 0.799 | 0.000597 | 1.07 | 0.00401 | 0.000112 | 0.697 | 0.000901 | 0.00144 | 0.0000232 | 0.000056 | 0.0000276 | 0.0177 | 0.00000426 | 0.0000336 | 0.00022 | 0.00128 | 0.0000312 |
| 2069 May | 0.00000248 | 0.801 | 0.000508 | 1.24 | 0.000886 | 0.0000319 | 0.788 | 0.000707 | 0.00102 | 0.0000248 | 0.0000505 | 0.0000252 | 0.0173 | 0.00000494 | 0.0000169 | 0.000248 | 0.00148 | 0.00000547 |
| 2069 Jun | 0.00000229 | 0.972 | 0.000538 | 1.44 | 0.00228 | 0.0000704 | 0.866 | 0.000808 | 0.00196 | 0.0000233 | 0.0000519 | 0.0000257 | 0.0238 | 0.00000447 | 0.000024 | 0.000227 | 0.00134 | 0.00000789 |
| 2069 Jul | 0.00000248 | 0.625 | 0.000505 | 1.01 | 0.00267 | 0.00003 | 0.605 | 0.000682 | 0.00102 | 0.0000249 | 0.0000503 | 0.0000251 | 0.015 | 0.00000495 | 0.0000175 | 0.000248 | 0.00149 | 0.0000044 |
| 2069 Aug | 0.00000238 | 0.679 | 0.000535 | 0.947 | 0.00258 | 0.0000666 | 0.596 | 0.000521 | 0.0011 | 0.0000241 | 0.0000521 | 0.0000259 | 0.0172 | 0.00000467 | 0.0000243 | 0.000236 | 0.0014 | 0.00000778 |
| 2069 Sep | 0.00000216 | 0.699 | 0.000582 | 0.992 | 0.00431 | 0.000112 | 0.6 | 0.000603 | 0.00121 | 0.0000222 | 0.0000546 | 0.0000309 | 0.0196 | 0.00000409 | 0.0000333 | 0.000211 | 0.00123 | 0.0000146 |
| 2069 Oct | 0.00000193 | 0.803 | 0.000643 | 1.06 | 0.00662 | 0.000173 | 0.619 | 0.000963 | 0.00135 | 0.000244 | 0.0000686 | 0.0000286 | 0.0233 | 0.00000348 | 0.0000463 | 0.000186 | 0.00136 | 0.0000248 |
| 2069 Nov | 0.00000215 | 0.69 | 0.00059 | 0.973 | 0.00433 | 0.000117 | 0.588 | 0.000616 | 0.00167 | 0.0000226 | 0.0000552 | 0.0000273 | 0.0179 | 0.00000407 | 0.0000326 | 0.000211 | 0.00122 | 0.0000153 |
| 2069 Dec | 0.00000223 | 0.748 | 0.000569 | 1.08 | 0.00348 | 0.0000956 | 0.659 | 0.000685 | 0.00137 | 0.0000232 | 0.000054 | 0.0000268 | 0.018 | 0.00000429 | 0.000029 | 0.00022 | 0.00129 | 0.0000118 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 20.8 | 0.00615 | 0.0025 | 0.000399 | 1.58 | 0.0272 | 3.51 | 0.00000427 | 0.0015 | 0.00022 | 0.00485 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| Operation (Jan., 2024 to Jun., 2028): Average | 29.7 | 0.0297 | 0.134 | 0.000494 | 5.44 | 0.0302 | 6.01 | 0.00000484 | 0.00307 | 0.000886 | 0.00544 | 0.00885 | 0.0000126 | 5.11 | 0.00000301 | 0.000187 | 0.0000859 | 0.000302 | 0.0148 |
| Operation (Jan., 2024 to Jun., 2028): Max | 46.7 | 0.0757 | 0.399 | 0.000636 | 9.89 | 0.0357 | 11.9 | 0.000005 | 0.00491 | 0.00242 | 0.00708 | 0.0125 | 0.00002 | 8.78 | 0.00000467 | 0.000698 | 0.000171 | 0.000446 | 0.033 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 18.2 | 0.0025 | 0.0025 | 0.000356 | 1.58 | 0.0214 | 2.55 | 0.00000357 | 0.0015 | 0.0002 | 0.00358 | 0.00556 | 0.00000719 | 2.85 | 0.00000204 | 0.0000395 | 0.0000476 | 0.000215 | 0.005 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 22.5 | 0.00807 | 0.0206 | 0.000459 | 3.91 | 0.0272 | 3.42 | 0.00000461 | 0.00285 | 0.000288 | 0.00464 | 0.00707 | 0.00000939 | 3.51 | 0.00000261 | 0.0000507 | 0.0000586 | 0.00025 | 0.00791 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 34.3 | 0.0384 | 0.169 | 0.0005 | 6.89 | 0.0345 | 7.82 | 0.000005 | 0.0061 | 0.00142 | 0.00506 | 0.00977 | 0.0000117 | 6.15 | 0.0000068 | 0.000116 | 0.000107 | 0.000396 | 0.0202 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 18.4 | 0.00162 | 0.0025 | 0.00029 | 1.58 | 0.0227 | 2.58 | 0.00000301 | 0.0015 | 0.00022 | 0.003 | 0.00578 | 0.00000614 | 2.98 | 0.00000199 | 0.0000415 | 0.00005 | 0.00025 | 0.005 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 24.4 | 0.00574 | 0.0256 | 0.000426 | 4.33 | 0.0269 | 3.81 | 0.00000418 | 0.00344 | 0.00129 | 0.00418 | 0.0073 | 0.00000844 | 3.75 | 0.00000247 | 0.0000481 | 0.0000626 | 0.000271 | 0.0101 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 36.9 | 0.0133 | 0.101 | 0.0005 | 7.42 | 0.0335 | 5.31 | 0.000005 | 0.00545 | 0.00376 | 0.005 | 0.00983 | 0.00001 | 5.19 | 0.0000049 | 0.0000514 | 0.0000918 | 0.000361 | 0.0148 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 25.3 | 0.0168 | 0.0827 | 0.000515 | 4.5 | 0.0275 | 4.18 | 0.00000491 | 0.00262 | 0.00038 | 0.00544 | 0.00791 | 0.0000128 | 4.15 | 0.00000259 | 0.000129 | 0.0000787 | 0.000268 | 0.00872 |
| 2024 Feb | 25 | 0.0163 | 0.0773 | 0.000514 | 4.4 | 0.0274 | 4.11 | 0.00000492 | 0.0026 | 0.000369 | 0.00541 | 0.00784 | 0.0000126 | 4.09 | 0.00000259 | 0.000124 | 0.0000767 | 0.000266 | 0.00846 |
| 2024 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2024 Apr | 20.9 | 0.00638 | 0.00508 | 0.0005 | 1.64 | 0.0335 | 3.76 | 0.000005 | 0.00151 | 0.00024 | 0.00501 | 0.00671 | 0.0000101 | 3.01 | 0.0000025 | 0.0000526 | 0.0000509 | 0.000251 | 0.00512 |
| 2024 May | 25.4 | 0.0114 | 0.0406 | 0.000502 | 4.22 | 0.0298 | 4.06 | 0.00000492 | 0.00238 | 0.000296 | 0.00518 | 0.00826 | 0.0000112 | 3.91 | 0.00000252 | 0.000101 | 0.0000628 | 0.000256 | 0.00688 |
| 2024 Jun | 35.6 | 0.0257 | 0.2 | 0.000626 | 7.86 | 0.0324 | 6.25 | 0.00000462 | 0.00226 | 0.000665 | 0.00596 | 0.0107 | 0.0000154 | 6.02 | 0.00000264 | 0.000381 | 0.000126 | 0.000277 | 0.0157 |
| 2024 Jul | 30.7 | 0.0231 | 0.196 | 0.000636 | 6.77 | 0.0279 | 5.57 | 0.00000484 | 0.0042 | 0.000665 | 0.00615 | 0.00907 | 0.0000155 | 5.37 | 0.00000276 | 0.000391 | 0.000134 | 0.000289 | 0.0213 |
| 2024 Aug | 31.3 | 0.0241 | 0.198 | 0.000609 | 6.98 | 0.0283 | 5.71 | 0.00000493 | 0.0042 | 0.000706 | 0.00623 | 0.00889 | 0.0000156 | 5.49 | 0.00000282 | 0.000394 | 0.000112 | 0.000295 | 0.0214 |
| 2024 Sep | 36.3 | 0.0396 | 0.285 | 0.000523 | 8.01 | 0.0288 | 7.35 | 0.00000472 | 0.00364 | 0.00104 | 0.00651 | 0.00984 | 0.0000173 | 6.48 | 0.00000296 | 0.000526 | 0.000133 | 0.000312 | 0.0248 |
| 2024 Oct | 43.9 | 0.0529 | 0.399 | 0.000483 | 9.89 | 0.0316 | 9.39 | 0.00000463 | 0.00405 | 0.00148 | 0.00708 | 0.0116 | 0.00002 | 7.96 | 0.00000383 | 0.000698 | 0.000171 | 0.000363 | 0.0298 |
| 2024 Nov | 30.2 | 0.0308 | 0.192 | 0.000487 | 5.97 | 0.0272 | 5.96 | 0.00000486 | 0.00352 | 0.000847 | 0.00601 | 0.00836 | 0.0000148 | 5.26 | 0.00000291 | 0.000353 | 0.000103 | 0.000299 | 0.0167 |
| 2024 Dec | 27.6 | 0.0244 | 0.122 | 0.000493 | 5.06 | 0.0281 | 5.06 | 0.00000492 | 0.00277 | 0.000625 | 0.00563 | 0.00833 | 0.000013 | 4.67 | 0.00000277 | 0.000236 | 0.0000831 | 0.000282 | 0.0123 |
| 2025 Jan | 27.8 | 0.0249 | 0.125 | 0.000493 | 5.11 | 0.0282 | 5.13 | 0.00000493 | 0.00278 | 0.00064 | 0.00565 | 0.00837 | 0.0000131 | 4.71 | 0.00000279 | 0.00024 | 0.0000839 | 0.000283 | 0.0125 |
| 2025 Feb | 26.8 | 0.0229 | 0.108 | 0.000495 | 4.83 | 0.028 | 4.85 | 0.00000494 | 0.00273 | 0.000583 | 0.00556 | 0.00817 | 0.0000126 | 4.5 | 0.00000275 | 0.000213 | 0.000079 | 0.000279 | 0.0114 |
| 2025 Mar | 29.1 | 0.0258 | 0.116 | 0.000496 | 5.27 | 0.0303 | 5.27 | 0.00000494 | 0.00205 | 0.000622 | 0.0056 | 0.0093 | 0.0000128 | 4.9 | 0.00000277 | 0.000222 | 0.0000808 | 0.000281 | 0.0118 |
| 2025 Apr | 26.1 | 0.0175 | 0.092 | 0.000497 | 3.3 | 0.0334 | 5.12 | 0.00000496 | 0.00195 | 0.000553 | 0.00549 | 0.00782 | 0.0000123 | 4.11 | 0.00000272 | 0.000189 | 0.0000749 | 0.000275 | 0.0105 |
| 2025 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2025 Jun | 33.5 | 0.0255 | 0.121 | 0.00049 | 7.18 | 0.0347 | 5.95 | 0.00000473 | 0.00201 | 0.000756 | 0.00536 | 0.0106 | 0.0000123 | 5.63 | 0.00000275 | 0.000206 | 0.0001 | 0.000278 | 0.0121 |
| 2025 Jul | 31.7 | 0.0324 | 0.194 | 0.000473 | 6.71 | 0.0294 | 6.56 | 0.00000482 | 0.00433 | 0.00108 | 0.00579 | 0.00942 | 0.0000142 | 5.7 | 0.00000306 | 0.000288 | 0.000122 | 0.000316 | 0.0224 |
| 2025 Aug | 30.7 | 0.0292 | 0.171 | 0.000482 | 6.53 | 0.0292 | 6.2 | 0.00000495 | 0.00442 | 0.001 | 0.00579 | 0.00887 | 0.0000139 | 5.49 | 0.00000306 | 0.000257 | 0.0000946 | 0.000315 | 0.0213 |
| 2025 Sep | 33.8 | 0.0435 | 0.229 | 0.000437 | 6.95 | 0.0291 | 7.6 | 0.00000468 | 0.00391 | 0.00134 | 0.00574 | 0.00932 | 0.0000145 | 6.15 | 0.0000032 | 0.000302 | 0.000104 | 0.000331 | 0.0235 |
| 2025 Oct | 41 | 0.059 | 0.324 | 0.000399 | 8.52 | 0.0328 | 9.96 | 0.00000454 | 0.00469 | 0.00196 | 0.00594 | 0.0109 | 0.000016 | 7.6 | 0.00000466 | 0.000377 | 0.000135 | 0.000405 | 0.0275 |
| 2025 Nov | 32.7 | 0.0442 | 0.219 | 0.000456 | 6.22 | 0.0287 | 7.58 | 0.00000474 | 0.00387 | 0.00141 | 0.00567 | 0.00896 | 0.0000141 | 5.93 | 0.00000339 | 0.000264 | 0.0000987 | 0.000339 | 0.0196 |
| 2025 Dec | 27.3 | 0.0281 | 0.111 | 0.000489 | 4.78 | 0.0285 | 5.45 | 0.00000489 | 0.00291 | 0.000815 | 0.00534 | 0.00827 | 0.000012 | 4.69 | 0.00000296 | 0.000154 | 0.000074 | 0.000295 | 0.0122 |
| 2026 Jan | 27.6 | 0.0287 | 0.114 | 0.000493 | 4.82 | 0.0286 | 5.52 | 0.00000489 | 0.00293 | 0.000834 | 0.00536 | 0.00832 | 0.0000121 | 4.73 | 0.00000298 | 0.000157 | 0.0000747 | 0.000297 | 0.0124 |
| 2026 Feb | 27.8 | 0.0294 | 0.118 | 0.000497 | 4.89 | 0.0287 | 5.62 | 0.0000049 | 0.00295 | 0.000859 | 0.00538 | 0.00838 | 0.0000122 | 4.79 | 0.000003 | 0.00016 | 0.0000756 | 0.000299 | 0.0126 |
| 2026 Mar | 27.4 | 0.0252 | 0.0802 | 0.0005 | 4.65 | 0.0303 | 5.09 | 0.00000494 | 0.00201 | 0.000651 | 0.00525 | 0.009 | 0.0000114 | 4.61 | 0.00000283 | 0.000122 | 0.0000668 | 0.000282 | 0.01 |
| 2026 Apr | 23.4 | 0.0134 | 0.0441 | 0.000501 | 2.36 | 0.0336 | 4.59 | 0.00000497 | 0.00178 | 0.000469 | 0.00514 | 0.00724 | 0.0000108 | 3.57 | 0.00000268 | 0.00009 | 0.0000594 | 0.000268 | 0.00779 |
| 2026 May | 24.2 | 0.0101 | 0.0117 | 0.000502 | 3.79 | 0.0301 | 3.83 | 0.00000499 | 0.00235 | 0.000273 | 0.00503 | 0.00806 | 0.0000102 | 3.66 | 0.00000254 | 0.0000587 | 0.0000521 | 0.000254 | 0.00562 |
| 2026 Jun | 35.3 | 0.038 | 0.164 | 0.000542 | 7.26 | 0.0339 | 7.29 | 0.00000453 | 0.00246 | 0.00119 | 0.00517 | 0.0107 | 0.0000124 | 6.15 | 0.00000304 | 0.000186 | 0.0000997 | 0.000308 | 0.0159 |
| 2026 Jul | 31.6 | 0.0375 | 0.18 | 0.000502 | 6.4 | 0.0295 | 6.99 | 0.00000475 | 0.00452 | 0.00126 | 0.00545 | 0.00932 | 0.0000131 | 5.75 | 0.00000321 | 0.000198 | 0.000113 | 0.00033 | 0.0229 |
| 2026 Aug | 32.9 | 0.0398 | 0.19 | 0.000483 | 6.72 | 0.03 | 7.32 | 0.00000481 | 0.00453 | 0.00133 | 0.00554 | 0.00929 | 0.0000135 | 5.99 | 0.00000329 | 0.000204 | 0.0000941 | 0.00034 | 0.0234 |
| 2026 Sep | 37.9 | 0.0558 | 0.254 | 0.000457 | 7.56 | 0.0317 | 9.1 | 0.00000475 | 0.0042 | 0.00173 | 0.00572 | 0.0104 | 0.0000146 | 6.99 | 0.00000358 | 0.000254 | 0.000109 | 0.000372 | 0.0267 |
| 2026 Oct | 46.7 | 0.0757 | 0.366 | 0.000427 | 9.46 | 0.0357 | 11.9 | 0.00000466 | 0.00483 | 0.00242 | 0.00605 | 0.0125 | 0.0000167 | 8.78 | 0.00000467 | 0.00034 | 0.000142 | 0.000446 | 0.033 |
| 2026 Nov | 28 | 0.0326 | 0.132 | 0.000472 | 4.99 | 0.0277 | 5.97 | 0.00000488 | 0.00372 | 0.000991 | 0.00538 | 0.00793 | 0.0000124 | 4.91 | 0.00000307 | 0.000152 | 0.0000799 | 0.000314 | 0.0148 |
| 2026 Dec | 27.1 | 0.0275 | 0.0955 | 0.000479 | 4.66 | 0.0288 | 5.33 | 0.00000492 | 0.00289 | 0.000773 | 0.00527 | 0.00829 | 0.0000117 | 4.63 | 0.00000291 | 0.000122 | 0.0000711 | 0.000295 | 0.0119 |
| 2027 Jan | 26.3 | 0.0253 | 0.0835 | 0.000482 | 4.46 | 0.0285 | 5.04 | 0.00000493 | 0.00283 | 0.000701 | 0.00523 | 0.00811 | 0.0000115 | 4.45 | 0.00000285 | 0.000113 | 0.0000683 | 0.000289 | 0.011 |
| 2027 Feb | 26.4 | 0.0257 | 0.0856 | 0.000482 | 4.49 | 0.0285 | 5.09 | 0.00000493 | 0.00284 | 0.000714 | 0.00524 | 0.00814 | 0.0000115 | 4.48 | 0.00000286 | 0.000114 | 0.0000688 | 0.00029 | 0.0112 |
| 2027 Mar | 24.6 | 0.0175 | 0.0295 | 0.000495 | 3.95 | 0.0299 | 4.06 | 0.00000498 | 0.00168 | 0.000374 | 0.00507 | 0.00852 | 0.0000104 | 3.99 | 0.00000261 | 0.0000687 | 0.0000555 | 0.000262 | 0.00679 |
| 2027 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2027 May | 25.2 | 0.0133 | 0.0277 | 0.000493 | 4.03 | 0.0303 | 4.21 | 0.00000497 | 0.00244 | 0.000377 | 0.00507 | 0.00826 | 0.0000104 | 3.9 | 0.00000261 | 0.000069 | 0.0000556 | 0.000262 | 0.00688 |
| 2027 Jun | 35.5 | 0.0377 | 0.149 | 0.000441 | 7.22 | 0.0348 | 7.42 | 0.00000461 | 0.00248 | 0.00119 | 0.0051 | 0.0108 | 0.0000119 | 6.19 | 0.00000308 | 0.000137 | 0.0000961 | 0.000312 | 0.0153 |
| 2027 Jul | 36.4 | 0.0514 | 0.228 | 0.000511 | 7.17 | 0.0319 | 8.9 | 0.00000486 | 0.00491 | 0.00171 | 0.00556 | 0.0103 | 0.0000136 | 6.75 | 0.00000365 | 0.000175 | 0.000118 | 0.000375 | 0.0261 |
| 2027 Aug | 33.7 | 0.044 | 0.19 | 0.000515 | 6.7 | 0.0307 | 7.89 | 0.00000492 | 0.00485 | 0.00148 | 0.00549 | 0.00935 | 0.000013 | 6.18 | 0.00000348 | 0.000153 | 0.0000903 | 0.000356 | 0.0237 |
| 2027 Sep | 30.3 | 0.0409 | 0.152 | 0.000478 | 5.79 | 0.0286 | 6.98 | 0.00000475 | 0.00409 | 0.00124 | 0.00519 | 0.00829 | 0.000012 | 5.46 | 0.00000321 | 0.000126 | 0.0000792 | 0.000326 | 0.0202 |
| 2027 Oct | 40.1 | 0.0701 | 0.294 | 0.000399 | 7.7 | 0.0321 | 10.9 | 0.00000427 | 0.00482 | 0.00228 | 0.00508 | 0.0103 | 0.0000131 | 7.56 | 0.00000467 | 0.000182 | 0.000112 | 0.000415 | 0.0266 |
| 2027 Nov | 30.9 | 0.0468 | 0.18 | 0.000464 | 5.46 | 0.028 | 7.64 | 0.00000462 | 0.00395 | 0.00147 | 0.00511 | 0.00831 | 0.000012 | 5.62 | 0.00000339 | 0.000129 | 0.0000815 | 0.000339 | 0.0176 |
| 2027 Dec | 27 | 0.031 | 0.0997 | 0.00049 | 4.52 | 0.0283 | 5.69 | 0.00000481 | 0.00298 | 0.0009 | 0.00507 | 0.00806 | 0.0000111 | 4.66 | 0.00000299 | 0.0000921 | 0.0000671 | 0.000299 | 0.0118 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 26.4 | 0.0291 | 0.0906 | 0.000494 | 4.4 | 0.0282 | 5.45 | 0.00000484 | 0.00293 | 0.000836 | 0.00507 | 0.00796 | 0.000011 | 4.53 | 0.00000295 | 0.000088 | 0.0000655 | 0.000294 | 0.0111 |
| 2028 Feb | 26.2 | 0.0282 | 0.0862 | 0.000497 | 4.33 | 0.0281 | 5.33 | 0.00000485 | 0.0029 | 0.000804 | 0.00507 | 0.00791 | 0.000011 | 4.47 | 0.00000293 | 0.000086 | 0.0000647 | 0.000292 | 0.0108 |
| 2028 Mar | 26.4 | 0.0246 | 0.0606 | 0.000499 | 4.31 | 0.0301 | 4.94 | 0.0000049 | 0.00196 | 0.000623 | 0.00505 | 0.00873 | 0.0000106 | 4.42 | 0.00000279 | 0.0000741 | 0.0000598 | 0.000278 | 0.00889 |
| 2028 Apr | 21.6 | 0.009 | 0.0152 | 0.0005 | 1.82 | 0.0335 | 4.05 | 0.00000498 | 0.00161 | 0.000326 | 0.00501 | 0.00684 | 0.0000102 | 3.18 | 0.00000257 | 0.0000556 | 0.0000523 | 0.000257 | 0.0059 |
| 2028 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2028 Jun | 33.6 | 0.0334 | 0.116 | 0.0005 | 6.81 | 0.0343 | 6.76 | 0.00000454 | 0.00233 | 0.00105 | 0.00485 | 0.0103 | 0.0000109 | 5.76 | 0.00000294 | 0.0000934 | 0.0000889 | 0.000297 | 0.0129 |
| 2028 Jul | 24.1 | 0.0187 | 0.0745 | 0.00047 | 4.81 | 0.027 | 4.66 | 0.00000483 | 0.00475 | 0.000721 | 0.00503 | 0.00762 | 0.0000109 | 4.25 | 0.00000284 | 0.0000792 | 0.0000963 | 0.000289 | 0.0176 |
| 2028 Aug | 21.9 | 0.0109 | 0.0404 | 0.000485 | 4.51 | 0.0262 | 3.75 | 0.00000494 | 0.00462 | 0.000489 | 0.00504 | 0.00667 | 0.0000105 | 3.76 | 0.00000269 | 0.0000657 | 0.0000582 | 0.000272 | 0.0151 |
| 2028 Sep | 24.8 | 0.0227 | 0.0684 | 0.000469 | 4.76 | 0.0271 | 4.86 | 0.00000487 | 0.00386 | 0.00068 | 0.00506 | 0.00712 | 0.0000108 | 4.28 | 0.00000282 | 0.0000771 | 0.0000641 | 0.000287 | 0.0157 |
| 2028 Oct | 34.3 | 0.0384 | 0.169 | 0.000393 | 6.89 | 0.0328 | 7.82 | 0.00000446 | 0.00516 | 0.00142 | 0.00493 | 0.00933 | 0.0000117 | 6.15 | 0.00000505 | 0.000116 | 0.000107 | 0.000396 | 0.0202 |
| 2028 Nov | 28.3 | 0.0334 | 0.132 | 0.000413 | 5.08 | 0.0272 | 6.39 | 0.00000455 | 0.00382 | 0.00113 | 0.00492 | 0.00789 | 0.0000113 | 5.04 | 0.00000306 | 0.000102 | 0.0000764 | 0.000316 | 0.0157 |
| 2028 Dec | 25.9 | 0.0247 | 0.0791 | 0.000449 | 4.41 | 0.0279 | 5.14 | 0.00000474 | 0.00294 | 0.000751 | 0.00495 | 0.00789 | 0.0000107 | 4.42 | 0.00000283 | 0.00008 | 0.0000653 | 0.000289 | 0.0112 |
| 2029 Jan | 25.4 | 0.0234 | 0.0721 | 0.000454 | 4.29 | 0.0278 | 4.95 | 0.00000476 | 0.00289 | 0.0007 | 0.00495 | 0.0078 | 0.0000107 | 4.31 | 0.0000028 | 0.0000772 | 0.0000639 | 0.000285 | 0.0106 |
| 2029 Feb | 25.4 | 0.0233 | 0.0715 | 0.000454 | 4.28 | 0.0278 | 4.94 | 0.00000476 | 0.00289 | 0.000696 | 0.00495 | 0.00779 | 0.0000107 | 4.3 | 0.00000279 | 0.0000769 | 0.0000638 | 0.000285 | 0.0106 |
| 2029 Mar | 26.2 | 0.0222 | 0.0561 | 0.000466 | 4.35 | 0.0298 | 4.8 | 0.00000482 | 0.00203 | 0.000588 | 0.00497 | 0.00866 | 0.0000105 | 4.37 | 0.00000272 | 0.0000702 | 0.0000603 | 0.000276 | 0.0092 |
| 2029 Apr | 22.3 | 0.0105 | 0.0243 | 0.000485 | 2.07 | 0.0333 | 4.27 | 0.00000492 | 0.00173 | 0.000388 | 0.00499 | 0.00698 | 0.0000102 | 3.34 | 0.00000259 | 0.0000587 | 0.0000544 | 0.000261 | 0.0068 |
| 2029 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2029 Jun | 29.3 | 0.014 | 0.0307 | 0.000462 | 6.14 | 0.0344 | 4.6 | 0.0000047 | 0.00172 | 0.000451 | 0.00477 | 0.00977 | 0.00000983 | 4.72 | 0.00000251 | 0.000058 | 0.0000791 | 0.000253 | 0.00697 |
| 2029 Jul | 19.5 | 0.00527 | 0.0219 | 0.000468 | 3.95 | 0.0249 | 3.04 | 0.00000473 | 0.00449 | 0.000335 | 0.00478 | 0.0066 | 0.00000976 | 3.29 | 0.00000248 | 0.000055 | 0.0000871 | 0.00025 | 0.014 |
| 2029 Aug | 19.8 | 0.00441 | 0.0174 | 0.000476 | 4.1 | 0.0249 | 3 | 0.00000481 | 0.00439 | 0.000314 | 0.00484 | 0.00616 | 0.00000984 | 3.31 | 0.00000249 | 0.0000539 | 0.0000525 | 0.00025 | 0.0132 |
| 2029 Sep | 22.6 | 0.013 | 0.0582 | 0.000405 | 4.41 | 0.0245 | 4.16 | 0.00000426 | 0.0033 | 0.000556 | 0.0044 | 0.00658 | 0.00000935 | 3.82 | 0.00000243 | 0.000064 | 0.0000587 | 0.00025 | 0.0131 |
| 2029 Oct | 25.6 | 0.00563 | 0.0317 | 0.000452 | 5.39 | 0.0322 | 4.08 | 0.00000463 | 0.00542 | 0.000426 | 0.0047 | 0.00734 | 0.00000967 | 4.13 | 0.00000587 | 0.0000569 | 0.0000978 | 0.000361 | 0.00988 |
| 2029 Nov | 19.5 | 0.00955 | 0.0221 | 0.000466 | 3.11 | 0.0239 | 3.17 | 0.00000474 | 0.00323 | 0.000323 | 0.00479 | 0.00584 | 0.00000977 | 3.12 | 0.00000248 | 0.0000549 | 0.000053 | 0.00025 | 0.00648 |
| 2029 Dec | 21.9 | 0.0121 | 0.031 | 0.000453 | 3.6 | 0.0261 | 3.65 | 0.00000464 | 0.00249 | 0.000381 | 0.00471 | 0.00702 | 0.00000968 | 3.54 | 0.00000247 | 0.0000567 | 0.0000541 | 0.00025 | 0.00705 |
| 2030 Jan | 22.1 | 0.0123 | 0.0351 | 0.000446 | 3.67 | 0.026 | 3.73 | 0.00000459 | 0.0025 | 0.000407 | 0.00466 | 0.00704 | 0.00000964 | 3.59 | 0.00000246 | 0.0000578 | 0.0000548 | 0.00025 | 0.00737 |
| 2030 Feb | 21.6 | 0.0117 | 0.0235 | 0.000466 | 3.48 | 0.0263 | 3.5 | 0.00000474 | 0.00246 | 0.000335 | 0.00479 | 0.00699 | 0.00000977 | 3.46 | 0.00000248 | 0.0000549 | 0.000053 | 0.00025 | 0.00648 |
| 2030 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2030 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2030 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2030 Jun | 28.1 | 0.0104 | 0.0298 | 0.000439 | 5.89 | 0.0328 | 4.32 | 0.00000449 | 0.00169 | 0.00041 | 0.00455 | 0.00933 | 0.00000934 | 4.49 | 0.00000238 | 0.0000541 | 0.0000751 | 0.000241 | 0.00666 |
| 2030 Jul | 19.5 | 0.00343 | 0.0243 | 0.000449 | 3.96 | 0.0244 | 3 | 0.00000458 | 0.0043 | 0.000325 | 0.00463 | 0.00654 | 0.00000944 | 3.26 | 0.00000239 | 0.0000532 | 0.0000841 | 0.000243 | 0.0135 |
| 2030 Aug | 20 | 0.00311 | 0.0234 | 0.000454 | 4.14 | 0.0245 | 3.04 | 0.00000464 | 0.00419 | 0.000327 | 0.00468 | 0.00618 | 0.00000954 | 3.33 | 0.00000242 | 0.0000533 | 0.0000526 | 0.000245 | 0.0129 |
| 2030 Sep | 21.1 | 0.00845 | 0.0317 | 0.000438 | 4.08 | 0.0245 | 3.48 | 0.00000451 | 0.00336 | 0.00036 | 0.00457 | 0.0062 | 0.00000939 | 3.46 | 0.00000239 | 0.0000547 | 0.0000536 | 0.000244 | 0.012 |
| 2030 Oct | 25.1 | 0.00311 | 0.0435 | 0.000412 | 5.25 | 0.0299 | 4.02 | 0.00000429 | 0.00488 | 0.000446 | 0.00438 | 0.00715 | 0.00000908 | 4.03 | 0.00000516 | 0.0000559 | 0.0000903 | 0.000332 | 0.00994 |
| 2030 Nov | 21.8 | 0.00571 | 0.0679 | 0.000356 | 4.01 | 0.0225 | 3.86 | 0.00000383 | 0.00296 | 0.000532 | 0.00396 | 0.00627 | 0.00000846 | 3.57 | 0.00000233 | 0.0000594 | 0.0000577 | 0.000236 | 0.00939 |
| 2030 Dec | 21.9 | 0.00865 | 0.0383 | 0.000424 | 3.7 | 0.0251 | 3.6 | 0.00000438 | 0.0025 | 0.000386 | 0.00445 | 0.00686 | 0.00000919 | 3.51 | 0.00000241 | 0.000055 | 0.0000541 | 0.000243 | 0.00732 |
| 2031 Jan | 21.6 | 0.00906 | 0.0317 | 0.000439 | 3.6 | 0.0254 | 3.51 | 0.0000045 | 0.00248 | 0.000353 | 0.00456 | 0.00687 | 0.00000935 | 3.46 | 0.00000243 | 0.000054 | 0.0000533 | 0.000244 | 0.00687 |
| 2031 Feb | 21.6 | 0.00908 | 0.0312 | 0.00044 | 3.59 | 0.0255 | 3.5 | 0.00000451 | 0.00248 | 0.00035 | 0.00457 | 0.00687 | 0.00000936 | 3.46 | 0.00000243 | 0.0000539 | 0.0000532 | 0.000244 | 0.00684 |
| 2031 Mar | 23.3 | 0.0118 | 0.023 | 0.000461 | 3.79 | 0.0282 | 3.69 | 0.00000469 | 0.00169 | 0.000315 | 0.00472 | 0.00801 | 0.00000959 | 3.73 | 0.00000246 | 0.0000525 | 0.0000521 | 0.000246 | 0.00618 |
| 2031 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2031 May | 23.7 | 0.00816 | 0.00991 | 0.000484 | 3.74 | 0.0294 | 3.7 | 0.00000486 | 0.00233 | 0.000256 | 0.00488 | 0.00787 | 0.00000982 | 3.57 | 0.00000248 | 0.000051 | 0.0000508 | 0.000248 | 0.00549 |
| 2031 Jun | 28.1 | 0.00897 | 0.0233 | 0.000453 | 5.86 | 0.0331 | 4.18 | 0.00000456 | 0.00167 | 0.000356 | 0.00459 | 0.00937 | 0.00000934 | 4.44 | 0.0000024 | 0.0000515 | 0.0000744 | 0.000241 | 0.00605 |
| 2031 Jul | 18.2 | 0.0025 | 0.00259 | 0.0005 | 3.69 | 0.025 | 2.55 | 0.000005 | 0.00485 | 0.00021 | 0.005 | 0.0064 | 0.00001 | 3.04 | 0.0000025 | 0.00005 | 0.00009 | 0.00025 | 0.014 |
| 2031 Aug | 19.7 | 0.00269 | 0.0179 | 0.00047 | 4.06 | 0.0245 | 2.92 | 0.00000471 | 0.00428 | 0.00029 | 0.00474 | 0.0061 | 0.0000096 | 3.26 | 0.00000244 | 0.0000518 | 0.0000512 | 0.000246 | 0.0127 |
| 2031 Sep | 21.3 | 0.00702 | 0.0423 | 0.000414 | 4.11 | 0.0234 | 3.52 | 0.00000418 | 0.00318 | 0.000388 | 0.00425 | 0.00616 | 0.0000088 | 3.46 | 0.00000229 | 0.0000537 | 0.0000517 | 0.000235 | 0.0115 |
| 2031 Oct | 24.3 | 0.00279 | 0.0568 | 0.000377 | 4.98 | 0.0266 | 3.93 | 0.00000385 | 0.00416 | 0.000468 | 0.00394 | 0.00679 | 0.00000828 | 3.87 | 0.00000419 | 0.0000544 | 0.0000768 | 0.000292 | 0.00998 |
| 2031 Nov | 20.5 | 0.0059 | 0.0455 | 0.000401 | 3.58 | 0.0223 | 3.37 | 0.00000408 | 0.003 | 0.000392 | 0.00415 | 0.00592 | 0.00000863 | 3.26 | 0.00000232 | 0.0000535 | 0.0000518 | 0.000234 | 0.00775 |
| 2031 Dec | 21.4 | 0.00869 | 0.0297 | 0.00044 | 3.55 | 0.025 | 3.4 | 0.00000445 | 0.00246 | 0.000326 | 0.00449 | 0.00676 | 0.00000917 | 3.4 | 0.00000239 | 0.0000521 | 0.0000511 | 0.00024 | 0.00665 |
| 2032 Jan | 21.4 | 0.00885 | 0.0276 | 0.000445 | 3.52 | 0.0252 | 3.38 | 0.00000449 | 0.00245 | 0.000317 | 0.00453 | 0.00677 | 0.00000924 | 3.39 | 0.0000024 | 0.0000519 | 0.000051 | 0.000241 | 0.00652 |
| 2032 Feb | 21.4 | 0.00887 | 0.0275 | 0.000446 | 3.52 | 0.0252 | 3.38 | 0.00000449 | 0.00245 | 0.000317 | 0.00454 | 0.00677 | 0.00000925 | 3.38 | 0.0000024 | 0.0000519 | 0.000051 | 0.000241 | 0.00651 |
| 2032 Mar | 23.2 | 0.0117 | 0.0209 | 0.000464 | 3.75 | 0.028 | 3.62 | 0.00000467 | 0.00168 | 0.000294 | 0.0047 | 0.00794 | 0.00000951 | 3.68 | 0.00000243 | 0.0000513 | 0.0000507 | 0.000244 | 0.00599 |
| 2032 Apr | 20.8 | 0.00613 | 0.00323 | 0.000498 | 1.61 | 0.0334 | 3.73 | 0.00000498 | 0.00151 | 0.000238 | 0.00499 | 0.00667 | 0.00000998 | 2.99 | 0.0000025 | 0.0000501 | 0.00005 | 0.00025 | 0.00505 |
| 2032 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2032 Jun | 28.1 | 0.00882 | 0.0235 | 0.000441 | 5.89 | 0.0327 | 4.11 | 0.00000447 | 0.00162 | 0.000345 | 0.0045 | 0.00931 | 0.00000914 | 4.42 | 0.00000235 | 0.0000501 | 0.0000737 | 0.000237 | 0.00595 |
| 2032 Jul | 19.8 | 0.00278 | 0.023 | 0.000445 | 4.03 | 0.0243 | 2.91 | 0.00000452 | 0.00423 | 0.000292 | 0.00456 | 0.00656 | 0.00000925 | 3.25 | 0.00000236 | 0.0000508 | 0.0000828 | 0.000239 | 0.0131 |
| 2032 Aug | 20.4 | 0.00271 | 0.0236 | 0.000449 | 4.24 | 0.0244 | 2.99 | 0.00000457 | 0.00411 | 0.000303 | 0.0046 | 0.00624 | 0.00000934 | 3.34 | 0.00000238 | 0.0000514 | 0.0000519 | 0.000242 | 0.0125 |
| 2032 Sep | 21 | 0.00836 | 0.0226 | 0.000453 | 4.06 | 0.0246 | 3.28 | 0.00000461 | 0.0034 | 0.000291 | 0.00464 | 0.00616 | 0.00000941 | 3.39 | 0.00000239 | 0.0000515 | 0.0000519 | 0.000243 | 0.0116 |
| 2032 Oct | 26 | 0.00277 | 0.0443 | 0.000404 | 5.45 | 0.0297 | 3.95 | 0.00000421 | 0.00469 | 0.000408 | 0.00427 | 0.00731 | 0.00000881 | 4.08 | 0.00000495 | 0.000053 | 0.0000879 | 0.000324 | 0.00958 |
| 2032 Nov | 19.4 | 0.0075 | 0.0176 | 0.000465 | 3.12 | 0.0237 | 2.97 | 0.00000471 | 0.00317 | 0.000262 | 0.00473 | 0.00581 | 0.00000956 | 3.05 | 0.00000242 | 0.0000511 | 0.0000514 | 0.000245 | 0.00589 |
| 2032 Dec | 22 | 0.00921 | 0.0259 | 0.000448 | 3.64 | 0.0258 | 3.4 | 0.00000458 | 0.0024 | 0.000303 | 0.00461 | 0.00699 | 0.00000936 | 3.46 | 0.00000239 | 0.0000517 | 0.0000521 | 0.000243 | 0.00631 |
| 2033 Jan | 22.1 | 0.00907 | 0.0279 | 0.000444 | 3.69 | 0.0257 | 3.42 | 0.00000454 | 0.0024 | 0.00031 | 0.00458 | 0.007 | 0.00000931 | 3.48 | 0.00000238 | 0.0000518 | 0.0000522 | 0.000242 | 0.00642 |
| 2033 Feb | 22.2 | 0.00898 | 0.0291 | 0.000441 | 3.71 | 0.0256 | 3.44 | 0.00000451 | 0.0024 | 0.000315 | 0.00455 | 0.007 | 0.00000927 | 3.49 | 0.00000237 | 0.0000519 | 0.0000524 | 0.000242 | 0.0065 |
| 2033 Mar | 23.6 | 0.0121 | 0.018 | 0.000471 | 3.81 | 0.0286 | 3.62 | 0.00000476 | 0.0016 | 0.000278 | 0.00478 | 0.00813 | 0.00000964 | 3.73 | 0.00000244 | 0.0000509 | 0.0000512 | 0.000246 | 0.00574 |
| 2033 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2033 May | 23.8 | 0.0078 | 0.0145 | 0.000467 | 3.81 | 0.0287 | 3.68 | 0.00000472 | 0.0023 | 0.000263 | 0.00474 | 0.00778 | 0.00000955 | 3.57 | 0.00000241 | 0.0000504 | 0.0000503 | 0.000244 | 0.00567 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 28 | 0.00878 | 0.0228 | 0.000445 | 5.79 | 0.0324 | 4.06 | 0.00000445 | 0.00161 | 0.000329 | 0.00448 | 0.00923 | 0.00000907 | 4.37 | 0.0000023 | 0.0000493 | 0.0000717 | 0.000235 | 0.00582 |
| 2033 Jul | 18.7 | 0.00259 | 0.00889 | 0.000484 | 3.77 | 0.0247 | 2.65 | 0.00000484 | 0.00465 | 0.000232 | 0.00485 | 0.00642 | 0.00000974 | 3.09 | 0.00000245 | 0.00005 | 0.000087 | 0.000246 | 0.0137 |
| 2033 Aug | 19.2 | 0.00257 | 0.00737 | 0.00049 | 3.99 | 0.0248 | 2.71 | 0.00000489 | 0.00448 | 0.000237 | 0.0049 | 0.00601 | 0.00000983 | 3.17 | 0.00000247 | 0.0000502 | 0.0000501 | 0.000248 | 0.0129 |
| 2033 Sep | 22 | 0.00697 | 0.0418 | 0.00041 | 4.25 | 0.0231 | 3.42 | 0.00000408 | 0.00308 | 0.000344 | 0.00414 | 0.00626 | 0.00000851 | 3.47 | 0.00000219 | 0.0000506 | 0.0000505 | 0.000229 | 0.0111 |
| 2033 Oct | 24.9 | 0.0028 | 0.0513 | 0.000383 | 5.12 | 0.0265 | 3.74 | 0.00000381 | 0.00417 | 0.000394 | 0.00387 | 0.00685 | 0.00000802 | 3.86 | 0.00000418 | 0.0000499 | 0.0000764 | 0.00029 | 0.00948 |
| 2033 Nov | 21.9 | 0.00506 | 0.0547 | 0.000372 | 4.01 | 0.0215 | 3.36 | 0.00000369 | 0.00289 | 0.000377 | 0.00376 | 0.00607 | 0.00000781 | 3.38 | 0.00000223 | 0.0000497 | 0.0000516 | 0.000224 | 0.00814 |
| 2033 Dec | 21.9 | 0.00835 | 0.0307 | 0.000434 | 3.69 | 0.0246 | 3.33 | 0.00000432 | 0.00246 | 0.000302 | 0.00436 | 0.00675 | 0.00000887 | 3.4 | 0.00000236 | 0.0000498 | 0.0000508 | 0.000237 | 0.00662 |
| 2034 Jan | 21.6 | 0.0088 | 0.0257 | 0.000446 | 3.59 | 0.025 | 3.29 | 0.00000445 | 0.00245 | 0.000286 | 0.00448 | 0.00678 | 0.00000908 | 3.38 | 0.00000239 | 0.0000499 | 0.0000507 | 0.000239 | 0.00632 |
| 2034 Feb | 21.6 | 0.00884 | 0.0253 | 0.000447 | 3.58 | 0.0251 | 3.29 | 0.00000446 | 0.00245 | 0.000284 | 0.00449 | 0.00678 | 0.0000091 | 3.37 | 0.00000239 | 0.0000499 | 0.0000507 | 0.000239 | 0.00629 |
| 2034 Mar | 23.3 | 0.0121 | 0.0159 | 0.000475 | 3.73 | 0.0284 | 3.54 | 0.00000474 | 0.00163 | 0.000262 | 0.00475 | 0.00802 | 0.00000957 | 3.67 | 0.00000245 | 0.0000499 | 0.0000503 | 0.000245 | 0.00562 |
| 2034 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2034 May | 23.7 | 0.00827 | 0.00589 | 0.000491 | 3.7 | 0.0296 | 3.63 | 0.00000491 | 0.00231 | 0.00023 | 0.00491 | 0.00789 | 0.00000984 | 3.54 | 0.00000248 | 0.0000499 | 0.00005 | 0.000248 | 0.00519 |
| 2034 Jun | 27.8 | 0.00871 | 0.0211 | 0.000449 | 5.78 | 0.0322 | 3.99 | 0.00000442 | 0.00163 | 0.000313 | 0.00444 | 0.00917 | 0.00000898 | 4.33 | 0.00000232 | 0.0000482 | 0.0000714 | 0.000234 | 0.00571 |
| 2034 Jul | 18.4 | 0.00254 | 0.00458 | 0.000495 | 3.72 | 0.0249 | 2.58 | 0.00000494 | 0.00477 | 0.000216 | 0.00494 | 0.0064 | 0.00000989 | 3.05 | 0.00000248 | 0.0000499 | 0.0000888 | 0.000248 | 0.0138 |
| 2034 Aug | 19.1 | 0.00256 | 0.00556 | 0.000494 | 3.97 | 0.0249 | 2.68 | 0.00000492 | 0.00451 | 0.000229 | 0.00493 | 0.00599 | 0.00000987 | 3.15 | 0.00000248 | 0.0000499 | 0.0000501 | 0.000248 | 0.0129 |
| 2034 Sep | 21.2 | 0.00817 | 0.0227 | 0.000457 | 4.06 | 0.0243 | 3.22 | 0.00000449 | 0.0033 | 0.000271 | 0.00451 | 0.00615 | 0.00000913 | 3.36 | 0.00000234 | 0.0000495 | 0.0000503 | 0.000238 | 0.0111 |
| 2034 Oct | 25.3 | 0.00315 | 0.0471 | 0.0004 | 5.2 | 0.0269 | 3.7 | 0.00000383 | 0.00405 | 0.000364 | 0.00389 | 0.007 | 0.00000799 | 3.88 | 0.00000415 | 0.0000482 | 0.0000758 | 0.000288 | 0.00897 |
| 2034 Nov | 20.8 | 0.00655 | 0.0327 | 0.000431 | 3.57 | 0.0227 | 3.1 | 0.0000042 | 0.00292 | 0.000292 | 0.00424 | 0.00599 | 0.00000862 | 3.2 | 0.00000226 | 0.0000488 | 0.0000501 | 0.000231 | 0.00662 |
| 2034 Dec | 21.9 | 0.009 | 0.0243 | 0.000453 | 3.62 | 0.0252 | 3.28 | 0.00000446 | 0.00237 | 0.000273 | 0.00448 | 0.00686 | 0.00000907 | 3.39 | 0.00000234 | 0.0000492 | 0.0000501 | 0.000237 | 0.0061 |
| 2035 Jan | 21.8 | 0.00907 | 0.0235 | 0.000455 | 3.6 | 0.0252 | 3.27 | 0.00000448 | 0.00237 | 0.000271 | 0.0045 | 0.00686 | 0.0000091 | 3.38 | 0.00000234 | 0.0000492 | 0.0000501 | 0.000238 | 0.00606 |
| 2035 Feb | 21.5 | 0.00952 | 0.0183 | 0.000467 | 3.48 | 0.0256 | 3.23 | 0.00000462 | 0.00238 | 0.000256 | 0.00464 | 0.00687 | 0.00000934 | 3.35 | 0.00000238 | 0.0000494 | 0.0000501 | 0.000241 | 0.00577 |
| 2035 Mar | 23.5 | 0.0117 | 0.0194 | 0.000468 | 3.83 | 0.0279 | 3.55 | 0.00000463 | 0.00163 | 0.000268 | 0.00464 | 0.00798 | 0.00000936 | 3.68 | 0.00000239 | 0.0000494 | 0.0000501 | 0.000241 | 0.00576 |
| 2035 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2035 May | 23.7 | 0.00844 | 0.00356 | 0.000498 | 3.68 | 0.0299 | 3.63 | 0.00000497 | 0.0023 | 0.000223 | 0.00497 | 0.00794 | 0.00000995 | 3.54 | 0.00000249 | 0.00005 | 0.00005 | 0.000249 | 0.00506 |
| 2035 Jun | 28 | 0.00876 | 0.0206 | 0.000442 | 5.86 | 0.0322 | 3.97 | 0.0000044 | 0.00158 | 0.000307 | 0.00442 | 0.00922 | 0.00000892 | 4.35 | 0.00000228 | 0.0000476 | 0.0000717 | 0.000232 | 0.00565 |
| 2035 Jul | 18.6 | 0.00258 | 0.00606 | 0.000489 | 3.76 | 0.0248 | 2.6 | 0.00000489 | 0.0047 | 0.000219 | 0.00489 | 0.00643 | 0.0000098 | 3.07 | 0.00000246 | 0.0000496 | 0.0000881 | 0.000247 | 0.0137 |
| 2035 Aug | 19.5 | 0.00264 | 0.00923 | 0.000481 | 4.05 | 0.0247 | 2.73 | 0.00000482 | 0.00437 | 0.000237 | 0.00482 | 0.00606 | 0.00000967 | 3.19 | 0.00000243 | 0.0000496 | 0.0000503 | 0.000245 | 0.0126 |
| 2035 Sep | 21.5 | 0.00773 | 0.0265 | 0.000427 | 4.2 | 0.0238 | 3.2 | 0.00000432 | 0.00318 | 0.000272 | 0.00435 | 0.00619 | 0.0000088 | 3.39 | 0.00000224 | 0.0000482 | 0.0000501 | 0.000232 | 0.011 |
| 2035 Oct | 25.2 | 0.00293 | 0.0432 | 0.000372 | 5.26 | 0.0269 | 3.58 | 0.00000384 | 0.00413 | 0.000335 | 0.00388 | 0.00694 | 0.00000792 | 3.85 | 0.00000419 | 0.0000465 | 0.0000763 | 0.000288 | 0.00897 |
| 2035 Nov | 22.1 | 0.00534 | 0.0474 | 0.000356 | 4.09 | 0.0214 | 3.17 | 0.00000369 | 0.00274 | 0.000314 | 0.00373 | 0.00611 | 0.00000766 | 3.34 | 0.00000208 | 0.000046 | 0.0000494 | 0.000217 | 0.00758 |
| 2035 Dec | 22 | 0.00852 | 0.0269 | 0.000426 | 3.73 | 0.0246 | 3.23 | 0.00000432 | 0.00238 | 0.00027 | 0.00435 | 0.00678 | 0.00000879 | 3.39 | 0.00000228 | 0.0000479 | 0.0000497 | 0.000233 | 0.00633 |
| 2036 Jan | 21.8 | 0.00888 | 0.0232 | 0.000438 | 3.64 | 0.025 | 3.22 | 0.00000443 | 0.00238 | 0.000261 | 0.00445 | 0.0068 | 0.00000899 | 3.37 | 0.00000232 | 0.0000483 | 0.0000497 | 0.000236 | 0.00611 |
| 2036 Feb | 21.8 | 0.00891 | 0.0229 | 0.000439 | 3.63 | 0.025 | 3.21 | 0.00000444 | 0.00238 | 0.00026 | 0.00446 | 0.0068 | 0.00000901 | 3.37 | 0.00000232 | 0.0000483 | 0.0000498 | 0.000236 | 0.0061 |
| 2036 Mar | 23.5 | 0.011 | 0.023 | 0.000443 | 3.93 | 0.0272 | 3.51 | 0.00000448 | 0.00169 | 0.000269 | 0.0045 | 0.00785 | 0.00000907 | 3.67 | 0.00000233 | 0.0000484 | 0.0000498 | 0.000237 | 0.00602 |
| 2036 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2036 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2036 Jun | 28.2 | 0.00872 | 0.0204 | 0.000438 | 5.92 | 0.0323 | 3.97 | 0.00000441 | 0.0016 | 0.000301 | 0.00443 | 0.00925 | 0.00000892 | 4.37 | 0.00000229 | 0.0000473 | 0.0000721 | 0.000232 | 0.0057 |
| 2036 Jul | 19.4 | 0.00275 | 0.0143 | 0.000458 | 3.96 | 0.0243 | 2.71 | 0.0000046 | 0.00432 | 0.000236 | 0.00461 | 0.00649 | 0.00000927 | 3.16 | 0.00000235 | 0.0000483 | 0.0000833 | 0.000238 | 0.0129 |
| 2036 Aug | 19.2 | 0.00257 | 0.00621 | 0.000488 | 4 | 0.0248 | 2.68 | 0.00000489 | 0.00447 | 0.000228 | 0.00489 | 0.00601 | 0.0000098 | 3.16 | 0.00000246 | 0.0000496 | 0.0000502 | 0.000247 | 0.0128 |
| 2036 Sep | 21.2 | 0.00829 | 0.0189 | 0.00045 | 4.11 | 0.0244 | 3.14 | 0.00000452 | 0.00329 | 0.000247 | 0.00454 | 0.00617 | 0.00000913 | 3.35 | 0.00000232 | 0.0000483 | 0.0000506 | 0.000237 | 0.0111 |
| 2036 Oct | 25.7 | 0.00304 | 0.0459 | 0.000367 | 5.36 | 0.0264 | 3.55 | 0.00000371 | 0.00385 | 0.000325 | 0.00375 | 0.00704 | 0.00000765 | 3.88 | 0.00000389 | 0.000045 | 0.0000742 | 0.000276 | 0.00877 |
| 2036 Nov | 20.9 | 0.00651 | 0.0291 | 0.000418 | 3.64 | 0.0227 | 3 | 0.0000042 | 0.0029 | 0.00026 | 0.00422 | 0.00601 | 0.00000854 | 3.18 | 0.00000221 | 0.0000469 | 0.0000503 | 0.000229 | 0.00642 |
| 2036 Dec | 22 | 0.00897 | 0.0221 | 0.000443 | 3.68 | 0.0252 | 3.21 | 0.00000445 | 0.00234 | 0.000253 | 0.00446 | 0.00688 | 0.000009 | 3.39 | 0.0000023 | 0.0000479 | 0.0000502 | 0.000235 | 0.00598 |
| 2037 Jan | 21.9 | 0.00901 | 0.0218 | 0.000445 | 3.67 | 0.0252 | 3.21 | 0.00000446 | 0.00234 | 0.000252 | 0.00448 | 0.00688 | 0.00000902 | 3.38 | 0.00000231 | 0.0000479 | 0.0000502 | 0.000236 | 0.00596 |
| 2037 Feb | 21.8 | 0.00916 | 0.0202 | 0.00045 | 3.62 | 0.0253 | 3.2 | 0.00000451 | 0.00235 | 0.000249 | 0.00452 | 0.00688 | 0.00000911 | 3.37 | 0.00000232 | 0.0000481 | 0.0000502 | 0.000237 | 0.00587 |
| 2037 Mar | 23.3 | 0.0126 | 0.0108 | 0.000484 | 3.7 | 0.0289 | 3.51 | 0.00000485 | 0.00154 | 0.00024 | 0.00485 | 0.00814 | 0.00000972 | 3.67 | 0.00000245 | 0.0000494 | 0.0000501 | 0.000246 | 0.00527 |
| 2037 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2037 May | 23.8 | 0.00759 | 0.0147 | 0.000457 | 3.88 | 0.0281 | 3.57 | 0.00000459 | 0.00227 | 0.000242 | 0.0046 | 0.00769 | 0.00000925 | 3.54 | 0.00000236 | 0.0000482 | 0.0000494 | 0.000238 | 0.00561 |
| 2037 Jun | 28 | 0.00862 | 0.0216 | 0.000429 | 5.8 | 0.0316 | 3.91 | 0.00000433 | 0.00157 | 0.000291 | 0.00434 | 0.00912 | 0.00000874 | 4.3 | 0.00000222 | 0.0000463 | 0.0000694 | 0.000228 | 0.00558 |
| 2037 Jul | 19.2 | 0.00268 | 0.0111 | 0.000471 | 3.87 | 0.0244 | 2.66 | 0.00000473 | 0.00451 | 0.000225 | 0.00474 | 0.00647 | 0.00000951 | 3.12 | 0.00000239 | 0.0000488 | 0.000085 | 0.000242 | 0.0133 |
| 2037 Aug | 19.1 | 0.00255 | 0.00492 | 0.000492 | 3.97 | 0.0249 | 2.66 | 0.00000493 | 0.00452 | 0.000224 | 0.00493 | 0.00599 | 0.00000987 | 3.15 | 0.00000247 | 0.0000497 | 0.00005 | 0.000248 | 0.0129 |
| 2037 Sep | 20 | 0.00931 | 0.0059 | 0.00049 | 3.8 | 0.0251 | 3.04 | 0.00000491 | 0.00359 | 0.000217 | 0.00491 | 0.00595 | 0.00000984 | 3.22 | 0.00000246 | 0.0000497 | 0.00005 | 0.000248 | 0.0116 |
| 2037 Oct | 26.3 | 0.00299 | 0.0321 | 0.000414 | 5.5 | 0.0298 | 3.65 | 0.00000423 | 0.00473 | 0.0003 | 0.00425 | 0.00732 | 0.00000859 | 4 | 0.00000502 | 0.0000471 | 0.0000861 | 0.000323 | 0.00868 |
| 2037 Nov | 21.4 | 0.00685 | 0.0286 | 0.000422 | 3.66 | 0.023 | 3.03 | 0.0000043 | 0.00294 | 0.000253 | 0.00432 | 0.00612 | 0.00000872 | 3.23 | 0.00000224 | 0.0000474 | 0.0000501 | 0.000233 | 0.00627 |
| 2037 Dec | 22.6 | 0.00909 | 0.0239 | 0.00044 | 3.77 | 0.0253 | 3.25 | 0.00000446 | 0.00234 | 0.000252 | 0.00448 | 0.00701 | 0.00000901 | 3.45 | 0.0000023 | 0.000048 | 0.0000501 | 0.000237 | 0.00598 |
| 2038 Jan | 22.5 | 0.00909 | 0.0238 | 0.00044 | 3.77 | 0.0253 | 3.25 | 0.00000446 | 0.00234 | 0.000252 | 0.00448 | 0.00701 | 0.00000901 | 3.45 | 0.0000023 | 0.000048 | 0.0000501 | 0.000237 | 0.00598 |
| 2038 Feb | 22.5 | 0.00909 | 0.0239 | 0.00044 | 3.77 | 0.0253 | 3.25 | 0.00000446 | 0.00234 | 0.000252 | 0.00448 | 0.00701 | 0.00000901 | 3.45 | 0.0000023 | 0.000048 | 0.0000501 | 0.000237 | 0.00598 |
| 2038 Mar | 24.3 | 0.0112 | 0.0239 | 0.000444 | 4.06 | 0.0276 | 3.55 | 0.0000045 | 0.00165 | 0.000261 | 0.00451 | 0.00803 | 0.00000908 | 3.75 | 0.00000231 | 0.0000481 | 0.0000501 | 0.000238 | 0.00592 |
| 2038 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2038 May | 23.7 | 0.00816 | 0.007 | 0.000482 | 3.73 | 0.0292 | 3.6 | 0.00000483 | 0.00228 | 0.000226 | 0.00484 | 0.00784 | 0.00000969 | 3.53 | 0.00000244 | 0.0000491 | 0.0000496 | 0.000245 | 0.00519 |
| 2038 Jun | 28.3 | 0.00909 | 0.0156 | 0.000454 | 5.88 | 0.0329 | 3.95 | 0.00000452 | 0.00156 | 0.000283 | 0.00453 | 0.00937 | 0.00000909 | 4.37 | 0.0000023 | 0.0000471 | 0.0000721 | 0.000234 | 0.00536 |
| 2038 Jul | 18.2 | 0.0025 | 0.00258 | 0.0005 | 3.69 | 0.025 | 2.55 | 0.000005 | 0.00485 | 0.00021 | 0.005 | 0.0064 | 0.00000999 | 3.04 | 0.0000025 | 0.00005 | 0.0000899 | 0.00025 | 0.014 |
| 2038 Aug | 19.3 | 0.00261 | 0.00693 | 0.000488 | 4 | 0.0247 | 2.68 | 0.00000486 | 0.00444 | 0.000226 | 0.00487 | 0.00602 | 0.00000974 | 3.16 | 0.00000245 | 0.0000493 | 0.0000498 | 0.000246 | 0.0127 |
| 2038 Sep | 20.9 | 0.00853 | 0.0155 | 0.000464 | 4 | 0.0244 | 3.09 | 0.00000461 | 0.00336 | 0.00023 | 0.00462 | 0.0061 | 0.00000926 | 3.3 | 0.00000234 | 0.0000481 | 0.0000494 | 0.000239 | 0.0111 |
| 2038 Oct | 25.7 | 0.00316 | 0.0343 | 0.000411 | 5.28 | 0.0281 | 3.52 | 0.00000402 | 0.00432 | 0.000286 | 0.00404 | 0.0071 | 0.00000816 | 3.86 | 0.00000449 | 0.000045 | 0.0000786 | 0.0003 | 0.00841 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 19.8 | 0.00737 | 0.0162 | 0.000461 | 3.21 | 0.0232 | 2.86 | 0.00000457 | 0.00307 | 0.000222 | 0.00457 | 0.00582 | 0.00000919 | 3.02 | 0.00000233 | 0.0000478 | 0.0000492 | 0.000238 | 0.00566 |
| 2038 Dec | 22 | 0.00916 | 0.0201 | 0.000453 | 3.62 | 0.0252 | 3.18 | 0.00000448 | 0.00233 | 0.000238 | 0.00449 | 0.00689 | 0.00000903 | 3.36 | 0.00000229 | 0.0000474 | 0.000049 | 0.000236 | 0.00578 |
| 2039 Jan | 22 | 0.00914 | 0.0204 | 0.000452 | 3.63 | 0.0252 | 3.18 | 0.00000448 | 0.00233 | 0.000238 | 0.00449 | 0.00689 | 0.00000902 | 3.37 | 0.00000229 | 0.0000474 | 0.000049 | 0.000235 | 0.00579 |
| 2039 Feb | 22 | 0.00914 | 0.0204 | 0.000452 | 3.63 | 0.0252 | 3.18 | 0.00000448 | 0.00233 | 0.000238 | 0.00449 | 0.00689 | 0.00000902 | 3.37 | 0.00000229 | 0.0000474 | 0.000049 | 0.000235 | 0.00579 |
| 2039 Mar | 23.2 | 0.0131 | 0.00748 | 0.000495 | 3.62 | 0.0293 | 3.51 | 0.00000495 | 0.00151 | 0.000232 | 0.00495 | 0.0082 | 0.0000099 | 3.66 | 0.00000248 | 0.0000497 | 0.0000499 | 0.000249 | 0.00508 |
| 2039 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2039 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2039 Jun | 28.3 | 0.00901 | 0.0161 | 0.000447 | 5.94 | 0.0327 | 3.93 | 0.00000446 | 0.00153 | 0.000281 | 0.00447 | 0.00934 | 0.00000897 | 4.37 | 0.00000227 | 0.0000464 | 0.0000723 | 0.000231 | 0.00538 |
| 2039 Jul | 20 | 0.00282 | 0.0169 | 0.000448 | 4.07 | 0.024 | 2.71 | 0.00000447 | 0.00415 | 0.000228 | 0.00448 | 0.00654 | 0.00000899 | 3.19 | 0.00000227 | 0.0000468 | 0.0000809 | 0.000233 | 0.0125 |
| 2039 Aug | 18.9 | 0.00251 | 0.00332 | 0.000497 | 3.95 | 0.025 | 2.64 | 0.00000497 | 0.00457 | 0.000221 | 0.00497 | 0.00597 | 0.00000995 | 3.13 | 0.00000249 | 0.0000499 | 0.00005 | 0.000249 | 0.0129 |
| 2039 Sep | 21.7 | 0.00793 | 0.0217 | 0.000441 | 4.24 | 0.0241 | 3.11 | 0.0000044 | 0.00322 | 0.000237 | 0.00441 | 0.00625 | 0.00000886 | 3.38 | 0.00000225 | 0.0000468 | 0.0000506 | 0.000233 | 0.0109 |
| 2039 Oct | 25.5 | 0.00261 | 0.0119 | 0.000475 | 5.43 | 0.033 | 3.61 | 0.00000475 | 0.00565 | 0.00027 | 0.00475 | 0.00729 | 0.00000952 | 3.97 | 0.00000621 | 0.0000486 | 0.0000991 | 0.000367 | 0.00853 |
| 2039 Nov | 18.6 | 0.00797 | 0.006 | 0.000489 | 2.87 | 0.0238 | 2.76 | 0.00000489 | 0.00324 | 0.000205 | 0.00489 | 0.00564 | 0.00000979 | 2.9 | 0.00000245 | 0.0000494 | 0.0000501 | 0.000247 | 0.00518 |
| 2039 Dec | 22 | 0.00937 | 0.0176 | 0.000458 | 3.63 | 0.0256 | 3.17 | 0.00000457 | 0.00234 | 0.000233 | 0.00458 | 0.00696 | 0.00000919 | 3.38 | 0.00000232 | 0.0000477 | 0.0000504 | 0.000238 | 0.00572 |
| 2040 Jan | 22 | 0.00937 | 0.0176 | 0.000458 | 3.63 | 0.0256 | 3.17 | 0.00000457 | 0.00234 | 0.000233 | 0.00458 | 0.00696 | 0.00000919 | 3.38 | 0.00000232 | 0.0000477 | 0.0000504 | 0.000238 | 0.00572 |
| 2040 Feb | 21.8 | 0.00956 | 0.0158 | 0.000464 | 3.57 | 0.0258 | 3.16 | 0.00000463 | 0.00235 | 0.00023 | 0.00464 | 0.00695 | 0.0000093 | 3.36 | 0.00000234 | 0.000048 | 0.0000504 | 0.00024 | 0.00562 |
| 2040 Mar | 23.4 | 0.0126 | 0.011 | 0.000484 | 3.73 | 0.0289 | 3.5 | 0.00000484 | 0.00154 | 0.000236 | 0.00484 | 0.00816 | 0.00000969 | 3.68 | 0.00000243 | 0.0000491 | 0.0000502 | 0.000245 | 0.00528 |
| 2040 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2040 May | 23.8 | 0.00829 | 0.00513 | 0.000491 | 3.72 | 0.0296 | 3.61 | 0.00000491 | 0.00229 | 0.000223 | 0.00491 | 0.0079 | 0.00000982 | 3.54 | 0.00000246 | 0.0000494 | 0.0000499 | 0.000247 | 0.00513 |
| 2040 Jun | 27.9 | 0.00869 | 0.0177 | 0.000439 | 5.8 | 0.0319 | 3.86 | 0.00000438 | 0.00156 | 0.000274 | 0.00439 | 0.00915 | 0.0000088 | 4.29 | 0.00000222 | 0.0000457 | 0.00007 | 0.000228 | 0.00543 |
| 2040 Jul | 19.1 | 0.00266 | 0.00983 | 0.000473 | 3.85 | 0.0244 | 2.62 | 0.00000473 | 0.0045 | 0.000217 | 0.00473 | 0.00645 | 0.00000948 | 3.1 | 0.00000238 | 0.0000483 | 0.0000848 | 0.000241 | 0.0132 |
| 2040 Aug | 19.7 | 0.00263 | 0.00978 | 0.000475 | 4.08 | 0.0245 | 2.7 | 0.00000476 | 0.00432 | 0.000227 | 0.00476 | 0.00607 | 0.00000953 | 3.19 | 0.00000239 | 0.0000485 | 0.0000497 | 0.000243 | 0.0125 |
| 2040 Sep | 21.7 | 0.00769 | 0.0231 | 0.000429 | 4.21 | 0.0236 | 3.08 | 0.00000431 | 0.00318 | 0.000232 | 0.00432 | 0.00619 | 0.00000869 | 3.35 | 0.0000022 | 0.0000459 | 0.0000491 | 0.000229 | 0.0107 |
| 2040 Oct | 25.3 | 0.0025 | 0.0041 | 0.0005 | 5.4 | 0.0345 | 3.64 | 0.000005 | 0.0061 | 0.000265 | 0.005 | 0.0073 | 0.00001 | 3.98 | 0.0000068 | 0.00005 | 0.000105 | 0.00039 | 0.0085 |
| 2040 Nov | 18.2 | 0.0082 | 0.0025 | 0.0005 | 2.73 | 0.024 | 2.73 | 0.000005 | 0.0033 | 0.0002 | 0.005 | 0.00556 | 0.00001 | 2.85 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2040 Dec | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 Jan | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 Feb | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2041 May | 23.7 | 0.00844 | 0.00338 | 0.000497 | 3.68 | 0.0299 | 3.63 | 0.00000497 | 0.0023 | 0.000221 | 0.00497 | 0.00794 | 0.00000995 | 3.54 | 0.00000249 | 0.0000498 | 0.00005 | 0.000249 | 0.00504 |
| 2041 Jun | 28.5 | 0.00897 | 0.0161 | 0.000446 | 5.98 | 0.0328 | 3.93 | 0.00000448 | 0.00155 | 0.000278 | 0.00449 | 0.00939 | 0.000009 | 4.39 | 0.00000227 | 0.0000464 | 0.0000726 | 0.000232 | 0.00544 |
| 2041 Jul | 19.4 | 0.00272 | 0.0121 | 0.000458 | 3.95 | 0.0242 | 2.64 | 0.00000461 | 0.00433 | 0.000218 | 0.00461 | 0.00648 | 0.00000924 | 3.13 | 0.00000232 | 0.0000473 | 0.0000831 | 0.000237 | 0.0129 |
| 2041 Aug | 20.8 | 0.00271 | 0.0191 | 0.000435 | 4.32 | 0.0238 | 2.77 | 0.00000441 | 0.00393 | 0.000233 | 0.00442 | 0.00622 | 0.00000886 | 3.28 | 0.00000224 | 0.0000462 | 0.00005 | 0.000232 | 0.0118 |
| 2041 Sep | 21.3 | 0.00796 | 0.019 | 0.000437 | 4.15 | 0.0239 | 3.05 | 0.00000443 | 0.00327 | 0.000225 | 0.00444 | 0.00614 | 0.0000089 | 3.33 | 0.00000225 | 0.0000464 | 0.0000499 | 0.000232 | 0.011 |
| 2041 Oct | 25.7 | 0.00273 | 0.0369 | 0.000371 | 5.38 | 0.0269 | 3.37 | 0.00000382 | 0.00414 | 0.000265 | 0.00383 | 0.00702 | 0.00000772 | 3.83 | 0.00000413 | 0.0000424 | 0.0000766 | 0.000284 | 0.00863 |
| 2041 Nov | 19.8 | 0.00716 | 0.0159 | 0.000449 | 3.26 | 0.0231 | 2.81 | 0.00000453 | 0.00308 | 0.000213 | 0.00454 | 0.00579 | 0.0000091 | 3.01 | 0.00000229 | 0.000047 | 0.0000496 | 0.000236 | 0.00575 |
| 2041 Dec | 21.9 | 0.00896 | 0.0194 | 0.000441 | 3.67 | 0.025 | 3.12 | 0.00000446 | 0.00235 | 0.000227 | 0.00447 | 0.00686 | 0.00000896 | 3.35 | 0.00000226 | 0.0000465 | 0.0000496 | 0.000233 | 0.00587 |
| 2042 Jan | 21.9 | 0.00897 | 0.0193 | 0.000441 | 3.66 | 0.025 | 3.12 | 0.00000446 | 0.00235 | 0.000227 | 0.00447 | 0.00686 | 0.00000896 | 3.35 | 0.00000226 | 0.0000466 | 0.0000496 | 0.000233 | 0.00587 |
| 2042 Feb | 22 | 0.0089 | 0.0199 | 0.000439 | 3.68 | 0.025 | 3.12 | 0.00000444 | 0.00235 | 0.000227 | 0.00445 | 0.00686 | 0.00000892 | 3.36 | 0.00000225 | 0.0000464 | 0.0000496 | 0.000233 | 0.0059 |
| 2042 Mar | 23.6 | 0.0116 | 0.0163 | 0.000458 | 3.87 | 0.0278 | 3.45 | 0.00000462 | 0.00161 | 0.000236 | 0.00462 | 0.00799 | 0.00000926 | 3.66 | 0.00000233 | 0.0000476 | 0.0000497 | 0.000238 | 0.00562 |
| 2042 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2042 May | 23.8 | 0.00829 | 0.00508 | 0.000491 | 3.73 | 0.0296 | 3.61 | 0.00000491 | 0.0023 | 0.000222 | 0.00491 | 0.00791 | 0.00000983 | 3.55 | 0.00000246 | 0.0000495 | 0.0000499 | 0.000247 | 0.00515 |
| 2042 Jun | 28.4 | 0.00898 | 0.0155 | 0.000447 | 5.97 | 0.0328 | 3.91 | 0.00000448 | 0.00154 | 0.000274 | 0.00448 | 0.00938 | 0.00000898 | 4.38 | 0.00000226 | 0.0000462 | 0.0000726 | 0.000232 | 0.0054 |
| 2042 Jul | 20.2 | 0.00282 | 0.018 | 0.00044 | 4.13 | 0.0238 | 2.7 | 0.0000044 | 0.00407 | 0.000221 | 0.0044 | 0.00655 | 0.00000883 | 3.2 | 0.00000223 | 0.0000458 | 0.0000795 | 0.00023 | 0.0123 |
| 2042 Aug | 20.9 | 0.00262 | 0.0203 | 0.00044 | 4.34 | 0.0236 | 2.76 | 0.00000438 | 0.00394 | 0.00023 | 0.00438 | 0.0062 | 0.00000879 | 3.28 | 0.00000222 | 0.0000458 | 0.0000499 | 0.000231 | 0.0118 |
| 2042 Sep | 21.5 | 0.0076 | 0.0218 | 0.000435 | 4.2 | 0.0235 | 3.02 | 0.00000433 | 0.00325 | 0.000223 | 0.00433 | 0.00613 | 0.00000869 | 3.33 | 0.0000022 | 0.0000455 | 0.0000495 | 0.000229 | 0.011 |
| 2042 Oct | 25 | 0.00253 | 0.041 | 0.000356 | 5.22 | 0.0248 | 3.21 | 0.00000357 | 0.00392 | 0.000251 | 0.00358 | 0.00667 | 0.00000722 | 3.68 | 0.00000372 | 0.0000401 | 0.00007 | 0.000265 | 0.00879 |
| 2042 Nov | 21 | 0.00579 | 0.0305 | 0.000394 | 3.75 | 0.0214 | 2.8 | 0.00000395 | 0.0029 | 0.000218 | 0.00396 | 0.00584 | 0.00000796 | 3.12 | 0.00000207 | 0.0000428 | 0.0000478 | 0.000218 | 0.00672 |
| 2042 Dec | 21.8 | 0.00865 | 0.0206 | 0.000437 | 3.66 | 0.0245 | 3.06 | 0.00000437 | 0.00239 | 0.000222 | 0.00438 | 0.00673 | 0.00000877 | 3.31 | 0.00000224 | 0.0000457 | 0.0000487 | 0.000231 | 0.00604 |
| 2043 Jan | 21.7 | 0.00877 | 0.0197 | 0.00044 | 3.63 | 0.0246 | 3.07 | 0.00000441 | 0.00239 | 0.000221 | 0.00441 | 0.00674 | 0.00000884 | 3.31 | 0.00000226 | 0.0000459 | 0.0000487 | 0.000232 | 0.00598 |
| 2043 Feb | 21.7 | 0.00876 | 0.0197 | 0.00044 | 3.63 | 0.0246 | 3.07 | 0.00000441 | 0.00239 | 0.000221 | 0.00441 | 0.00674 | 0.00000884 | 3.31 | 0.00000226 | 0.0000459 | 0.0000487 | 0.000232 | 0.00598 |
| 2043 Mar | 23.4 | 0.0117 | 0.015 | 0.000464 | 3.8 | 0.0278 | 3.42 | 0.00000464 | 0.00163 | 0.000232 | 0.00464 | 0.00794 | 0.0000093 | 3.63 | 0.00000235 | 0.0000475 | 0.0000492 | 0.000239 | 0.00559 |
| 2043 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2043 May | 23.7 | 0.00827 | 0.00504 | 0.00049 | 3.71 | 0.0295 | 3.6 | 0.0000049 | 0.0023 | 0.000221 | 0.0049 | 0.00789 | 0.00000981 | 3.54 | 0.00000246 | 0.0000493 | 0.0000497 | 0.000247 | 0.00514 |
| 2043 Jun | 28 | 0.0087 | 0.0173 | 0.000438 | 5.82 | 0.0319 | 3.84 | 0.00000438 | 0.00157 | 0.000267 | 0.00438 | 0.00915 | 0.00000878 | 4.29 | 0.00000223 | 0.0000453 | 0.0000697 | 0.000228 | 0.0054 |
| 2043 Jul | 18.4 | 0.00253 | 0.00381 | 0.000495 | 3.72 | 0.0249 | 2.56 | 0.00000495 | 0.00479 | 0.000211 | 0.00495 | 0.00641 | 0.0000099 | 3.05 | 0.00000248 | 0.0000496 | 0.000089 | 0.000248 | 0.0139 |
| 2043 Aug | 20.6 | 0.00276 | 0.0172 | 0.000447 | 4.24 | 0.0238 | 2.74 | 0.00000447 | 0.00402 | 0.000225 | 0.00448 | 0.00616 | 0.00000897 | 3.25 | 0.00000227 | 0.0000464 | 0.0000487 | 0.000234 | 0.0118 |
| 2043 Sep | 21.7 | 0.00743 | 0.0238 | 0.000422 | 4.23 | 0.0232 | 3.01 | 0.00000422 | 0.00315 | 0.000219 | 0.00422 | 0.00613 | 0.00000847 | 3.33 | 0.00000215 | 0.0000445 | 0.0000477 | 0.000226 | 0.0106 |
| 2043 Oct | 25.4 | 0.0026 | 0.0143 | 0.000462 | 5.37 | 0.032 | 3.54 | 0.00000462 | 0.00546 | 0.000261 | 0.00462 | 0.00719 | 0.00000925 | 3.92 | 0.00000594 | 0.0000473 | 0.000095 | 0.000355 | 0.00847 |
| 2043 Nov | 18.2 | 0.0082 | 0.0025 | 0.0005 | 2.73 | 0.024 | 2.73 | 0.000005 | 0.0033 | 0.0002 | 0.005 | 0.00556 | 0.00001 | 2.85 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2043 Dec | 21.1 | 0.0101 | 0.00929 | 0.000481 | 3.32 | 0.0261 | 3.11 | 0.00000481 | 0.00238 | 0.000217 | 0.00481 | 0.00688 | 0.00000963 | 3.28 | 0.00000242 | 0.0000487 | 0.0000495 | 0.000244 | 0.00527 |
| 2044 Jan | 21.7 | 0.0093 | 0.0163 | 0.000455 | 3.56 | 0.0253 | 3.1 | 0.00000455 | 0.00236 | 0.00022 | 0.00455 | 0.00685 | 0.00000912 | 3.32 | 0.0000023 | 0.0000469 | 0.0000487 | 0.000236 | 0.00564 |
| 2044 Feb | 21 | 0.0103 | 0.00756 | 0.000488 | 3.27 | 0.0263 | 3.12 | 0.00000488 | 0.00239 | 0.000216 | 0.00488 | 0.00688 | 0.00000976 | 3.27 | 0.00000244 | 0.0000491 | 0.0000496 | 0.000246 | 0.00518 |
| 2044 Mar | 23.2 | 0.013 | 0.00747 | 0.000494 | 3.62 | 0.0292 | 3.5 | 0.00000494 | 0.00152 | 0.00023 | 0.00494 | 0.0082 | 0.00000989 | 3.66 | 0.00000247 | 0.0000496 | 0.0000498 | 0.000248 | 0.00508 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2044 May | 23.8 | 0.00834 | 0.00451 | 0.000493 | 3.71 | 0.0297 | 3.61 | 0.00000493 | 0.0023 | 0.000221 | 0.00493 | 0.00792 | 0.00000986 | 3.54 | 0.00000247 | 0.0000495 | 0.0000498 | 0.000248 | 0.00511 |
| 2044 Jun | 28 | 0.00863 | 0.0176 | 0.000437 | 5.87 | 0.0318 | 3.83 | 0.00000435 | 0.00155 | 0.000266 | 0.00436 | 0.00916 | 0.00000872 | 4.3 | 0.0000022 | 0.000045 | 0.00007 | 0.000227 | 0.00542 |
| 2044 Jul | 18.8 | 0.0026 | 0.00676 | 0.000483 | 3.81 | 0.0246 | 2.59 | 0.00000482 | 0.00462 | 0.000212 | 0.00483 | 0.00644 | 0.00000965 | 3.08 | 0.00000242 | 0.0000487 | 0.0000867 | 0.000244 | 0.0135 |
| 2044 Aug | 19.5 | 0.00261 | 0.00751 | 0.000483 | 4.06 | 0.0247 | 2.68 | 0.00000482 | 0.00438 | 0.000222 | 0.00482 | 0.00605 | 0.00000965 | 3.18 | 0.00000242 | 0.0000487 | 0.0000498 | 0.000244 | 0.0126 |
| 2044 Sep | 21.5 | 0.00786 | 0.0198 | 0.00044 | 4.21 | 0.0238 | 3.03 | 0.00000435 | 0.00317 | 0.000218 | 0.00436 | 0.00618 | 0.00000873 | 3.33 | 0.0000022 | 0.0000453 | 0.0000489 | 0.000229 | 0.0107 |
| 2044 Oct | 25.5 | 0.00294 | 0.0396 | 0.000366 | 5.33 | 0.0253 | 3.25 | 0.00000357 | 0.00369 | 0.000244 | 0.00358 | 0.00689 | 0.00000719 | 3.74 | 0.00000363 | 0.0000395 | 0.0000692 | 0.000261 | 0.0082 |
| 2044 Nov | 21.7 | 0.00583 | 0.0312 | 0.000394 | 3.92 | 0.0217 | 2.84 | 0.00000387 | 0.00274 | 0.000213 | 0.00388 | 0.00603 | 0.00000779 | 3.19 | 0.00000204 | 0.0000417 | 0.0000476 | 0.000215 | 0.00643 |
| 2044 Dec | 22 | 0.00869 | 0.0203 | 0.000439 | 3.73 | 0.0247 | 3.08 | 0.00000435 | 0.00232 | 0.000219 | 0.00435 | 0.00681 | 0.00000872 | 3.34 | 0.00000223 | 0.0000452 | 0.0000486 | 0.00023 | 0.00583 |
| 2045 Jan | 21.9 | 0.00889 | 0.0188 | 0.000445 | 3.67 | 0.0249 | 3.08 | 0.00000441 | 0.00233 | 0.000218 | 0.00442 | 0.00682 | 0.00000884 | 3.33 | 0.00000226 | 0.0000457 | 0.0000488 | 0.000232 | 0.00575 |
| 2045 Feb | 21.9 | 0.00891 | 0.0186 | 0.000445 | 3.67 | 0.0249 | 3.08 | 0.00000442 | 0.00233 | 0.000218 | 0.00442 | 0.00682 | 0.00000886 | 3.33 | 0.00000226 | 0.0000457 | 0.0000488 | 0.000232 | 0.00574 |
| 2045 Mar | 23.1 | 0.0132 | 0.0064 | 0.000498 | 3.59 | 0.0294 | 3.51 | 0.00000498 | 0.0015 | 0.00023 | 0.00498 | 0.00822 | 0.00000996 | 3.66 | 0.00000249 | 0.0000499 | 0.00005 | 0.000249 | 0.00502 |
| 2045 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2045 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2045 Jun | 28.4 | 0.00895 | 0.0151 | 0.000448 | 5.98 | 0.0328 | 3.9 | 0.00000447 | 0.00156 | 0.00027 | 0.00448 | 0.00937 | 0.00000896 | 4.38 | 0.00000229 | 0.0000459 | 0.0000725 | 0.000232 | 0.00537 |
| 2045 Jul | 18.2 | 0.00251 | 0.00277 | 0.000499 | 3.7 | 0.025 | 2.55 | 0.00000499 | 0.00483 | 0.00021 | 0.00499 | 0.0064 | 0.00000998 | 3.04 | 0.00000249 | 0.0000499 | 0.0000898 | 0.00025 | 0.014 |
| 2045 Aug | 19.1 | 0.00256 | 0.00452 | 0.000492 | 3.98 | 0.0249 | 2.65 | 0.00000492 | 0.0045 | 0.000221 | 0.00492 | 0.006 | 0.00000984 | 3.14 | 0.00000247 | 0.0000494 | 0.00005 | 0.000248 | 0.0128 |
| 2045 Sep | 20.2 | 0.00906 | 0.0074 | 0.000481 | 3.88 | 0.0249 | 3.02 | 0.00000481 | 0.0035 | 0.000212 | 0.00481 | 0.006 | 0.00000963 | 3.24 | 0.00000242 | 0.0000486 | 0.00005 | 0.000244 | 0.0114 |
| 2045 Oct | 25.3 | 0.0025 | 0.0041 | 0.0005 | 5.4 | 0.0345 | 3.64 | 0.000005 | 0.0061 | 0.000265 | 0.005 | 0.0073 | 0.00001 | 3.98 | 0.0000068 | 0.00005 | 0.000105 | 0.00039 | 0.0085 |
| 2045 Nov | 18.2 | 0.0082 | 0.0025 | 0.0005 | 2.73 | 0.024 | 2.73 | 0.000005 | 0.0033 | 0.0002 | 0.005 | 0.00556 | 0.00001 | 2.85 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2045 Dec | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Jan | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Feb | 20.7 | 0.0108 | 0.00422 | 0.0005 | 3.15 | 0.0268 | 3.12 | 0.000005 | 0.0024 | 0.000215 | 0.005 | 0.0069 | 0.00001 | 3.26 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2046 Jun | 30.8 | 0.00831 | 0.0315 | 0.000416 | 6.46 | 0.0322 | 4.11 | 0.00000428 | 0.0017 | 0.000405 | 0.00428 | 0.00963 | 0.00000859 | 4.64 | 0.00000221 | 0.0000459 | 0.0000721 | 0.000236 | 0.00634 |
| 2046 Jul | 26.6 | 0.00251 | 0.0466 | 0.00041 | 5.41 | 0.0252 | 3.42 | 0.00000428 | 0.00428 | 0.000619 | 0.00429 | 0.00768 | 0.00000863 | 3.99 | 0.00000227 | 0.0000483 | 0.0000821 | 0.000254 | 0.0139 |
| 2046 Aug | 26.8 | 0.00244 | 0.045 | 0.000418 | 5.51 | 0.0252 | 3.48 | 0.00000434 | 0.0042 | 0.000656 | 0.00434 | 0.00733 | 0.00000874 | 4.03 | 0.00000231 | 0.0000488 | 0.0000552 | 0.000256 | 0.0135 |
| 2046 Sep | 29.3 | 0.00601 | 0.0597 | 0.000389 | 5.77 | 0.0246 | 3.97 | 0.00000396 | 0.00355 | 0.000958 | 0.00397 | 0.00752 | 0.00000801 | 4.29 | 0.00000219 | 0.0000475 | 0.0000558 | 0.000256 | 0.013 |
| 2046 Oct | 36.9 | 0.00196 | 0.101 | 0.000329 | 7.42 | 0.0253 | 4.86 | 0.00000313 | 0.00405 | 0.00179 | 0.00314 | 0.00879 | 0.00000643 | 5.19 | 0.00000276 | 0.0000459 | 0.0000693 | 0.000289 | 0.0136 |
| 2046 Nov | 32.9 | 0.00385 | 0.0851 | 0.000361 | 6.27 | 0.0236 | 4.41 | 0.00000344 | 0.00354 | 0.00155 | 0.00345 | 0.00803 | 0.00000704 | 4.66 | 0.00000209 | 0.0000468 | 0.0000582 | 0.000263 | 0.0117 |
| 2046 Dec | 30.6 | 0.00612 | 0.0661 | 0.000395 | 5.63 | 0.025 | 4.2 | 0.00000382 | 0.00305 | 0.00124 | 0.00383 | 0.00808 | 0.00000775 | 4.42 | 0.00000219 | 0.0000476 | 0.0000562 | 0.00026 | 0.0101 |
| 2047 Jan | 27.5 | 0.00757 | 0.0468 | 0.000428 | 4.85 | 0.0256 | 3.86 | 0.00000419 | 0.00285 | 0.000919 | 0.00419 | 0.00771 | 0.00000846 | 4.06 | 0.00000229 | 0.0000484 | 0.0000543 | 0.000257 | 0.00853 |
| 2047 Feb | 26.3 | 0.00814 | 0.0391 | 0.000441 | 4.55 | 0.0258 | 3.73 | 0.00000433 | 0.00277 | 0.000793 | 0.00434 | 0.00757 | 0.00000873 | 3.91 | 0.00000232 | 0.0000487 | 0.0000535 | 0.000256 | 0.0079 |
| 2047 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2047 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2047 May | 24.7 | 0.00791 | 0.0116 | 0.000486 | 3.94 | 0.0293 | 3.75 | 0.00000477 | 0.0024 | 0.000428 | 0.00478 | 0.00798 | 0.00000957 | 3.66 | 0.00000244 | 0.0000493 | 0.0000506 | 0.000251 | 0.00574 |
| 2047 Jun | 32.1 | 0.00806 | 0.0356 | 0.000479 | 6.53 | 0.0329 | 4.73 | 0.0000043 | 0.00226 | 0.00135 | 0.0043 | 0.00983 | 0.00000869 | 4.89 | 0.00000239 | 0.0000498 | 0.0000758 | 0.000267 | 0.00808 |
| 2047 Jul | 19.9 | 0.00255 | 0.0109 | 0.000494 | 4 | 0.0251 | 2.86 | 0.00000483 | 0.0048 | 0.00052 | 0.00483 | 0.00666 | 0.00000969 | 3.25 | 0.00000248 | 0.0000502 | 0.0000886 | 0.000256 | 0.0141 |
| 2047 Aug | 21.7 | 0.00258 | 0.0168 | 0.000489 | 4.43 | 0.0253 | 3.14 | 0.00000472 | 0.00455 | 0.000753 | 0.00472 | 0.00646 | 0.00000948 | 3.49 | 0.00000248 | 0.0000504 | 0.0000533 | 0.00026 | 0.0134 |
| 2047 Sep | 28.2 | 0.00588 | 0.0507 | 0.000428 | 5.37 | 0.025 | 4.48 | 0.00000385 | 0.00386 | 0.00208 | 0.00385 | 0.00741 | 0.00000786 | 4.28 | 0.00000233 | 0.0000496 | 0.0000599 | 0.000277 | 0.0135 |
| 2047 Oct | 32.2 | 0.00259 | 0.0691 | 0.00038 | 6.27 | 0.0264 | 5.13 | 0.00000331 | 0.00446 | 0.00286 | 0.00331 | 0.00815 | 0.00000684 | 4.8 | 0.00000318 | 0.0000486 | 0.000075 | 0.000315 | 0.0133 |
| 2047 Nov | 27.4 | 0.00494 | 0.0515 | 0.00041 | 4.92 | 0.0241 | 4.36 | 0.00000375 | 0.00372 | 0.00216 | 0.00375 | 0.00719 | 0.00000767 | 4.11 | 0.00000231 | 0.000049 | 0.0000597 | 0.000276 | 0.0106 |
| 2047 Dec | 26.5 | 0.00719 | 0.0403 | 0.000433 | 4.62 | 0.0256 | 4.18 | 0.00000406 | 0.00311 | 0.00169 | 0.00406 | 0.00754 | 0.00000825 | 4.03 | 0.00000236 | 0.0000492 | 0.0000573 | 0.00027 | 0.00923 |
| 2048 Jan | 25.3 | 0.00797 | 0.0325 | 0.000447 | 4.3 | 0.0259 | 3.95 | 0.00000427 | 0.00295 | 0.00136 | 0.00427 | 0.0074 | 0.00000863 | 3.86 | 0.00000239 | 0.0000494 | 0.0000557 | 0.000265 | 0.00831 |
| 2048 Feb | 24.9 | 0.00821 | 0.03 | 0.000452 | 4.2 | 0.0259 | 3.88 | 0.00000433 | 0.00291 | 0.00127 | 0.00433 | 0.00736 | 0.00000875 | 3.81 | 0.0000024 | 0.0000495 | 0.0000552 | 0.000264 | 0.00803 |
| 2048 Mar | 27.1 | 0.00945 | 0.0351 | 0.000444 | 4.63 | 0.0276 | 4.24 | 0.00000423 | 0.00241 | 0.00144 | 0.00423 | 0.00829 | 0.00000855 | 4.15 | 0.00000239 | 0.0000494 | 0.000056 | 0.000266 | 0.00849 |
| 2048 Apr | 21 | 0.00609 | 0.00398 | 0.000497 | 1.67 | 0.0333 | 3.76 | 0.00000496 | 0.00154 | 0.000294 | 0.00496 | 0.0067 | 0.00000993 | 3.02 | 0.00000249 | 0.00005 | 0.0000503 | 0.000251 | 0.00517 |
| 2048 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2048 Jun | 31.1 | 0.00773 | 0.0307 | 0.000436 | 6.32 | 0.0327 | 4.76 | 0.00000423 | 0.00235 | 0.00162 | 0.00423 | 0.00962 | 0.00000857 | 4.8 | 0.00000241 | 0.0000497 | 0.0000767 | 0.000269 | 0.00822 |
| 2048 Jul | 23.7 | 0.0024 | 0.0284 | 0.000448 | 4.63 | 0.0255 | 3.78 | 0.00000432 | 0.00474 | 0.00171 | 0.00432 | 0.0072 | 0.00000876 | 3.78 | 0.00000247 | 0.0000509 | 0.0000858 | 0.000277 | 0.0147 |
| 2048 Aug | 20.7 | 0.00246 | 0.0119 | 0.00048 | 4.25 | 0.0252 | 3.07 | 0.00000476 | 0.0046 | 0.00077 | 0.00476 | 0.0063 | 0.00000957 | 3.39 | 0.00000249 | 0.0000504 | 0.0000532 | 0.00026 | 0.0134 |
| 2048 Sep | 24.9 | 0.00713 | 0.0293 | 0.000442 | 4.71 | 0.0258 | 4.16 | 0.00000434 | 0.00399 | 0.00178 | 0.00434 | 0.00691 | 0.0000088 | 3.93 | 0.00000249 | 0.0000514 | 0.0000593 | 0.000281 | 0.0134 |
| 2048 Oct | 29.9 | 0.00203 | 0.05 | 0.000351 | 5.85 | 0.0283 | 5.12 | 0.00000359 | 0.00508 | 0.00303 | 0.00359 | 0.00786 | 0.00000739 | 4.61 | 0.000004 | 0.0000502 | 0.0000848 | 0.000346 | 0.013 |
| 2048 Nov | 29.6 | 0.00259 | 0.0616 | 0.00029 | 5.45 | 0.0245 | 5.31 | 0.00000314 | 0.00439 | 0.00376 | 0.00314 | 0.00757 | 0.00000655 | 4.53 | 0.00000259 | 0.0000495 | 0.0000699 | 0.00031 | 0.0136 |
| 2048 Dec | 28 | 0.00461 | 0.0498 | 0.000334 | 5.02 | 0.0253 | 4.9 | 0.00000353 | 0.00387 | 0.00302 | 0.00353 | 0.00759 | 0.00000728 | 4.32 | 0.00000258 | 0.0000497 | 0.0000658 | 0.000298 | 0.0118 |
| 2049 Jan | 26.4 | 0.00595 | 0.0399 | 0.00037 | 4.62 | 0.0256 | 4.51 | 0.00000385 | 0.00355 | 0.00241 | 0.00385 | 0.00744 | 0.00000787 | 4.09 | 0.00000256 | 0.0000498 | 0.0000623 | 0.000288 | 0.0103 |
| 2049 Feb | 24.5 | 0.00754 | 0.0281 | 0.000413 | 4.13 | 0.026 | 4.05 | 0.00000423 | 0.00317 | 0.00169 | 0.00423 | 0.00726 | 0.00000858 | 3.81 | 0.00000254 | 0.0000498 | 0.0000583 | 0.000275 | 0.00858 |
| 2049 Mar | 24.5 | 0.0114 | 0.0166 | 0.00046 | 3.96 | 0.0287 | 3.87 | 0.00000465 | 0.002 | 0.0009 | 0.00465 | 0.00819 | 0.00000935 | 3.85 | 0.00000252 | 0.0000499 | 0.0000538 | 0.000262 | 0.00663 |
| 2049 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2049 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2049 Jun | 30.3 | 0.00759 | 0.0277 | 0.000414 | 6.15 | 0.0324 | 4.76 | 0.00000419 | 0.00243 | 0.00175 | 0.00419 | 0.00946 | 0.00000849 | 4.72 | 0.00000242 | 0.0000495 | 0.0000769 | 0.000272 | 0.00829 |
| 2049 Jul | 24.2 | 0.0023 | 0.031 | 0.000415 | 4.69 | 0.0255 | 4 | 0.00000415 | 0.00478 | 0.00208 | 0.00415 | 0.00725 | 0.00000844 | 3.86 | 0.00000246 | 0.000051 | 0.0000849 | 0.000284 | 0.0148 |
| 2049 Aug | 23.2 | 0.00229 | 0.0244 | 0.00044 | 4.62 | 0.0254 | 3.73 | 0.00000437 | 0.00467 | 0.00166 | 0.00436 | 0.00674 | 0.00000884 | 3.73 | 0.00000248 | 0.0000509 | 0.0000582 | 0.000278 | 0.014 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 24.8 | 0.00576 | 0.0336 | 0.00041 | 4.65 | 0.0248 | 4.3 | 0.00000396 | 0.00413 | 0.00228 | 0.00396 | 0.00679 | 0.00000807 | 3.92 | 0.0000024 | 0.00005 | 0.00006 | 0.000283 | 0.0136 |
| 2049 Oct | 28.6 | 0.00181 | 0.0491 | 0.000349 | 5.51 | 0.0268 | 5.07 | 0.0000034 | 0.00507 | 0.0033 | 0.0034 | 0.00751 | 0.00000703 | 4.45 | 0.00000359 | 0.0000496 | 0.0000797 | 0.000338 | 0.0136 |
| 2049 Nov | 26.6 | 0.00348 | 0.0482 | 0.000347 | 4.74 | 0.0239 | 4.8 | 0.00000343 | 0.0043 | 0.00325 | 0.00342 | 0.00701 | 0.00000708 | 4.12 | 0.0000024 | 0.0000497 | 0.0000642 | 0.0003 | 0.0125 |
| 2049 Dec | 25.2 | 0.00629 | 0.0346 | 0.000395 | 4.33 | 0.0254 | 4.35 | 0.00000393 | 0.00352 | 0.00229 | 0.00393 | 0.00725 | 0.00000801 | 3.93 | 0.00000243 | 0.0000498 | 0.0000597 | 0.000284 | 0.0102 |
| 2050 Jan | 24.3 | 0.00723 | 0.0282 | 0.000417 | 4.08 | 0.0257 | 4.09 | 0.00000415 | 0.00328 | 0.00186 | 0.00415 | 0.00717 | 0.00000843 | 3.79 | 0.00000245 | 0.0000499 | 0.0000577 | 0.000277 | 0.00907 |
| 2050 Feb | 23.4 | 0.00809 | 0.0224 | 0.000437 | 3.86 | 0.0259 | 3.86 | 0.00000436 | 0.00307 | 0.00146 | 0.00436 | 0.00711 | 0.00000881 | 3.66 | 0.00000246 | 0.0000499 | 0.0000558 | 0.00027 | 0.00808 |
| 2050 Mar | 25.3 | 0.00962 | 0.0251 | 0.000432 | 4.21 | 0.0278 | 4.18 | 0.00000431 | 0.0025 | 0.00157 | 0.0043 | 0.00804 | 0.00000871 | 3.97 | 0.00000246 | 0.0000499 | 0.0000563 | 0.000272 | 0.00834 |
| 2050 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2050 May | 23.7 | 0.00846 | 0.0029 | 0.000499 | 3.67 | 0.03 | 3.64 | 0.00000499 | 0.00232 | 0.000247 | 0.00499 | 0.00795 | 0.00000998 | 3.55 | 0.0000025 | 0.00005 | 0.0000501 | 0.00025 | 0.00507 |
| 2050 Jun | 29.7 | 0.008 | 0.0222 | 0.000435 | 6.07 | 0.0329 | 4.58 | 0.00000431 | 0.00228 | 0.00145 | 0.00431 | 0.00946 | 0.00000871 | 4.63 | 0.00000241 | 0.0000492 | 0.0000767 | 0.000266 | 0.00766 |
| 2050 Jul | 24.1 | 0.00238 | 0.0303 | 0.000436 | 4.67 | 0.0254 | 3.97 | 0.00000411 | 0.0047 | 0.00205 | 0.00411 | 0.00722 | 0.00000836 | 3.84 | 0.00000243 | 0.0000504 | 0.0000842 | 0.000282 | 0.0146 |
| 2050 Aug | 20.3 | 0.00245 | 0.00997 | 0.000483 | 4.17 | 0.0251 | 3 | 0.00000477 | 0.0046 | 0.000713 | 0.00477 | 0.00622 | 0.00000958 | 3.33 | 0.00000249 | 0.0000502 | 0.0000529 | 0.000259 | 0.0133 |
| 2050 Sep | 26.5 | 0.00506 | 0.041 | 0.00039 | 4.99 | 0.0252 | 4.66 | 0.00000375 | 0.00419 | 0.00276 | 0.00375 | 0.00718 | 0.00000769 | 4.16 | 0.0000024 | 0.0000503 | 0.0000641 | 0.000293 | 0.0141 |
| 2050 Oct | 27.9 | 0.00221 | 0.0319 | 0.000415 | 5.6 | 0.0304 | 4.58 | 0.00000408 | 0.00545 | 0.00213 | 0.00407 | 0.00763 | 0.00000829 | 4.35 | 0.00000487 | 0.0000502 | 0.0000916 | 0.000361 | 0.0117 |
| 2050 Nov | 19.3 | 0.00765 | 0.00821 | 0.000483 | 3 | 0.0241 | 3 | 0.00000482 | 0.00341 | 0.000579 | 0.00482 | 0.00578 | 0.00000966 | 3.02 | 0.00000249 | 0.0000501 | 0.0000521 | 0.000256 | 0.00594 |
| 2050 Dec | 22.7 | 0.0091 | 0.0162 | 0.000464 | 3.66 | 0.0264 | 3.62 | 0.00000461 | 0.00281 | 0.00103 | 0.0046 | 0.00712 | 0.00000927 | 3.55 | 0.00000247 | 0.0000501 | 0.0000545 | 0.000264 | 0.00701 |
| 2051 Jan | 22.7 | 0.00907 | 0.0164 | 0.000463 | 3.67 | 0.0264 | 3.63 | 0.0000046 | 0.00282 | 0.00104 | 0.0046 | 0.00712 | 0.00000926 | 3.56 | 0.00000247 | 0.0000501 | 0.0000546 | 0.000264 | 0.00705 |
| 2051 Feb | 22.4 | 0.0093 | 0.0147 | 0.000468 | 3.6 | 0.0265 | 3.56 | 0.00000465 | 0.00276 | 0.000926 | 0.00465 | 0.00709 | 0.00000936 | 3.52 | 0.00000247 | 0.0000501 | 0.0000539 | 0.000262 | 0.00677 |
| 2051 Mar | 24.3 | 0.0117 | 0.0149 | 0.000472 | 3.91 | 0.0289 | 3.84 | 0.0000047 | 0.00195 | 0.000854 | 0.00469 | 0.00821 | 0.00000944 | 3.83 | 0.00000248 | 0.0000501 | 0.0000535 | 0.000261 | 0.00655 |
| 2051 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2051 May | 23.9 | 0.00827 | 0.00461 | 0.000492 | 3.72 | 0.0298 | 3.69 | 0.00000492 | 0.00237 | 0.000359 | 0.00492 | 0.00794 | 0.00000985 | 3.57 | 0.00000249 | 0.0000499 | 0.0000506 | 0.000252 | 0.00534 |
| 2051 Jun | 29.9 | 0.00732 | 0.0279 | 0.000412 | 6.04 | 0.0319 | 4.72 | 0.00000412 | 0.00253 | 0.0018 | 0.00412 | 0.00931 | 0.00000835 | 4.66 | 0.00000238 | 0.0000491 | 0.000076 | 0.000272 | 0.00855 |
| 2051 Jul | 21.1 | 0.00244 | 0.0159 | 0.000453 | 4.18 | 0.0253 | 3.23 | 0.00000459 | 0.00481 | 0.00108 | 0.00459 | 0.00683 | 0.00000924 | 3.43 | 0.00000247 | 0.0000504 | 0.0000876 | 0.000267 | 0.0144 |
| 2051 Aug | 24.3 | 0.00227 | 0.0302 | 0.000399 | 4.8 | 0.0254 | 3.98 | 0.00000412 | 0.00463 | 0.00203 | 0.00411 | 0.00694 | 0.00000836 | 3.88 | 0.00000243 | 0.0000504 | 0.0000605 | 0.000284 | 0.0142 |
| 2051 Sep | 25.2 | 0.00556 | 0.0346 | 0.00038 | 4.74 | 0.025 | 4.32 | 0.0000039 | 0.00415 | 0.0023 | 0.00389 | 0.00691 | 0.00000794 | 3.96 | 0.00000238 | 0.0000497 | 0.0000611 | 0.000286 | 0.0137 |
| 2051 Oct | 28.1 | 0.00185 | 0.0475 | 0.00034 | 5.43 | 0.0265 | 4.89 | 0.00000334 | 0.00497 | 0.00311 | 0.00333 | 0.00743 | 0.00000688 | 4.35 | 0.00000343 | 0.0000483 | 0.000078 | 0.000331 | 0.0134 |
| 2051 Nov | 27.1 | 0.00273 | 0.0515 | 0.000335 | 4.95 | 0.0238 | 4.84 | 0.00000317 | 0.00441 | 0.00337 | 0.00316 | 0.00709 | 0.00000656 | 4.18 | 0.00000239 | 0.000048 | 0.0000658 | 0.000302 | 0.0132 |
| 2051 Dec | 25.6 | 0.00536 | 0.0382 | 0.000383 | 4.49 | 0.025 | 4.4 | 0.0000037 | 0.00372 | 0.00247 | 0.00369 | 0.00721 | 0.00000755 | 3.97 | 0.00000243 | 0.0000487 | 0.0000614 | 0.000288 | 0.0109 |
| 2052 Jan | 24.3 | 0.00683 | 0.029 | 0.000415 | 4.13 | 0.0255 | 4.06 | 0.00000405 | 0.00336 | 0.00186 | 0.00405 | 0.00713 | 0.00000822 | 3.78 | 0.00000245 | 0.000049 | 0.0000583 | 0.000277 | 0.00929 |
| 2052 Feb | 23.1 | 0.00807 | 0.0212 | 0.000442 | 3.82 | 0.0259 | 3.76 | 0.00000435 | 0.00306 | 0.00134 | 0.00435 | 0.00706 | 0.00000878 | 3.61 | 0.00000246 | 0.0000493 | 0.0000557 | 0.000269 | 0.00793 |
| 2052 Mar | 23.4 | 0.0127 | 0.00902 | 0.000489 | 3.68 | 0.0292 | 3.61 | 0.00000488 | 0.00167 | 0.000439 | 0.00488 | 0.00819 | 0.00000977 | 3.7 | 0.00000249 | 0.0000499 | 0.0000511 | 0.000254 | 0.00555 |
| 2052 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2052 May | 25.1 | 0.00682 | 0.0172 | 0.000454 | 4.1 | 0.0285 | 4.05 | 0.00000447 | 0.00288 | 0.00116 | 0.00446 | 0.00785 | 0.000009 | 3.78 | 0.00000248 | 0.0000496 | 0.0000549 | 0.000266 | 0.00746 |
| 2052 Jun | 29.5 | 0.00756 | 0.0246 | 0.000424 | 5.99 | 0.0321 | 4.57 | 0.00000419 | 0.00241 | 0.00155 | 0.00419 | 0.0093 | 0.00000848 | 4.59 | 0.00000239 | 0.0000487 | 0.0000758 | 0.000268 | 0.00807 |
| 2052 Jul | 19.9 | 0.00249 | 0.0103 | 0.000476 | 3.97 | 0.0251 | 2.93 | 0.00000475 | 0.00479 | 0.000695 | 0.00475 | 0.00664 | 0.00000953 | 3.26 | 0.00000248 | 0.00005 | 0.0000882 | 0.000259 | 0.0141 |
| 2052 Aug | 22.5 | 0.00245 | 0.0207 | 0.000447 | 4.52 | 0.0253 | 3.5 | 0.00000442 | 0.00456 | 0.00135 | 0.00442 | 0.00664 | 0.00000892 | 3.62 | 0.00000245 | 0.0000501 | 0.0000569 | 0.000271 | 0.0136 |
| 2052 Sep | 24.4 | 0.00653 | 0.0285 | 0.000423 | 4.63 | 0.0254 | 4.07 | 0.00000414 | 0.00397 | 0.00183 | 0.00414 | 0.00683 | 0.00000839 | 3.85 | 0.00000241 | 0.0000498 | 0.0000595 | 0.000278 | 0.0131 |
| 2052 Oct | 29.1 | 0.00225 | 0.0451 | 0.000372 | 5.69 | 0.0282 | 4.9 | 0.00000357 | 0.00497 | 0.00285 | 0.00357 | 0.0078 | 0.00000733 | 4.49 | 0.00000374 | 0.0000493 | 0.0000829 | 0.00034 | 0.0129 |
| 2052 Nov | 23.7 | 0.00557 | 0.0295 | 0.000418 | 4.07 | 0.0245 | 3.93 | 0.00000409 | 0.00379 | 0.00189 | 0.00408 | 0.00663 | 0.00000829 | 3.67 | 0.0000024 | 0.0000495 | 0.0000596 | 0.000278 | 0.00937 |
| 2052 Dec | 24.4 | 0.00761 | 0.0264 | 0.000431 | 4.13 | 0.0262 | 3.99 | 0.00000423 | 0.00314 | 0.00163 | 0.00423 | 0.00731 | 0.00000856 | 3.8 | 0.00000241 | 0.0000496 | 0.0000581 | 0.000274 | 0.00868 |
| 2053 Jan | 24.3 | 0.00772 | 0.0256 | 0.000434 | 4.09 | 0.0262 | 3.96 | 0.00000426 | 0.00311 | 0.00158 | 0.00425 | 0.0073 | 0.00000861 | 3.78 | 0.00000242 | 0.0000496 | 0.0000578 | 0.000273 | 0.00855 |
| 2053 Feb | 23.2 | 0.00866 | 0.0189 | 0.000454 | 3.8 | 0.0264 | 3.7 | 0.00000449 | 0.00289 | 0.00116 | 0.00449 | 0.00717 | 0.00000904 | 3.61 | 0.00000244 | 0.0000497 | 0.0000554 | 0.000266 | 0.00745 |
| 2053 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2053 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2053 May | 25.2 | 0.00671 | 0.0186 | 0.00044 | 4.15 | 0.0283 | 4.06 | 0.00000439 | 0.00283 | 0.00121 | 0.00438 | 0.00784 | 0.00000884 | 3.79 | 0.00000241 | 0.000049 | 0.0000547 | 0.000263 | 0.00755 |
| 2053 Jun | 29.9 | 0.00749 | 0.0268 | 0.000428 | 6.05 | 0.0321 | 4.62 | 0.00000415 | 0.0025 | 0.00162 | 0.00415 | 0.00935 | 0.0000084 | 4.63 | 0.00000236 | 0.0000488 | 0.000076 | 0.000271 | 0.00834 |
| 2053 Jul | 19.3 | 0.00249 | 0.00775 | 0.000489 | 3.88 | 0.0251 | 2.8 | 0.00000484 | 0.00483 | 0.000524 | 0.00484 | 0.00657 | 0.0000097 | 3.19 | 0.00000248 | 0.00005 | 0.000089 | 0.000256 | 0.0141 |
| 2053 Aug | 21.6 | 0.00248 | 0.0159 | 0.000474 | 4.39 | 0.0254 | 3.27 | 0.00000461 | 0.00463 | 0.00102 | 0.00461 | 0.00649 | 0.00000928 | 3.51 | 0.00000247 | 0.0000504 | 0.0000554 | 0.000267 | 0.0136 |
| 2053 Sep | 24.6 | 0.00688 | 0.0279 | 0.000447 | 4.67 | 0.0258 | 4.07 | 0.00000425 | 0.00405 | 0.00174 | 0.00425 | 0.00691 | 0.00000861 | 3.88 | 0.00000244 | 0.0000506 | 0.0000601 | 0.000282 | 0.0133 |
| 2053 Oct | 30 | 0.00235 | 0.0468 | 0.000399 | 5.9 | 0.0292 | 5.01 | 0.00000366 | 0.00517 | 0.00286 | 0.00365 | 0.00807 | 0.00000751 | 4.62 | 0.00000388 | 0.0000505 | 0.000086 | 0.000352 | 0.0133 |
| 2053 Nov | 28.1 | 0.00393 | 0.0496 | 0.000384 | 5.12 | 0.0255 | 4.83 | 0.00000353 | 0.00426 | 0.00304 | 0.00352 | 0.00757 | 0.00000725 | 4.32 | 0.00000237 | 0.0000502 | 0.000068 | 0.000306 | 0.0126 |
| 2053 Dec | 27.4 | 0.00574 | 0.0418 | 0.000404 | 4.87 | 0.0263 | 4.61 | 0.00000379 | 0.00372 | 0.00253 | 0.00378 | 0.00775 | 0.00000774 | 4.22 | 0.00000239 | 0.0000501 | 0.0000647 | 0.000296 | 0.0112 |
| 2054 Jan | 25.8 | 0.0069 | 0.0331 | 0.000426 | 4.47 | 0.0264 | 4.26 | 0.00000407 | 0.00341 | 0.002 | 0.00406 | 0.00755 | 0.00000826 | 4 | 0.00000242 | 0.0000501 | 0.0000613 | 0.000285 | 0.00979 |
| 2054 Feb | 27 | 0.00598 | 0.0399 | 0.000408 | 4.78 | 0.0263 | 4.53 | 0.00000385 | 0.00365 | 0.00242 | 0.00384 | 0.00771 | 0.00000785 | 4.17 | 0.0000024 | 0.0000501 | 0.000064 | 0.000294 | 0.0109 |
| 2054 Mar | 27.8 | 0.00749 | 0.0385 | 0.000414 | 4.88 | 0.0277 | 4.63 | 0.00000392 | 0.00314 | 0.00229 | 0.00391 | 0.00829 | 0.00000798 | 4.31 | 0.0000024 | 0.0000501 | 0.0000631 | 0.000291 | 0.0106 |
| 2054 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2054 May | 23.9 | 0.0083 | 0.00436 | 0.000493 | 3.72 | 0.0298 | 3.68 | 0.00000493 | 0.00236 | 0.000331 | 0.00493 | 0.00794 | 0.00000987 | 3.57 | 0.00000249 | 0.0000499 | 0.0000506 | 0.000252 | 0.00529 |
| 2054 Jun | 29.6 | 0.00731 | 0.0276 | 0.000419 | 5.98 | 0.0316 | 4.56 | 0.00000409 | 0.00251 | 0.00162 | 0.00408 | 0.00921 | 0.00000827 | 4.58 | 0.00000233 | 0.0000482 | 0.000075 | 0.000268 | 0.00844 |
| 2054 Jul | 24 | 0.00228 | 0.0318 | 0.000383 | 4.69 | 0.0249 | 3.84 | 0.000004 | 0.00464 | 0.00191 | 0.004 | 0.00716 | 0.00000812 | 3.8 | 0.00000235 | 0.0000489 | 0.0000828 | 0.000278 | 0.0145 |
| 2054 Aug | 22.9 | 0.00199 | 0.0273 | 0.000396 | 4.56 | 0.0242 | 3.61 | 0.00000408 | 0.00455 | 0.00166 | 0.00407 | 0.00656 | 0.00000825 | 3.65 | 0.00000234 | 0.0000484 | 0.0000579 | 0.00027 | 0.0139 |
| 2054 Sep | 24.6 | 0.00482 | 0.0362 | 0.000384 | 4.66 | 0.0239 | 4.11 | 0.00000375 | 0.00418 | 0.00218 | 0.00374 | 0.00666 | 0.00000763 | 3.84 | 0.00000228 | 0.0000479 | 0.0000595 | 0.000278 | 0.0139 |
| 2054 Oct | 27.5 | 0.00162 | 0.0432 | 0.00039 | 5.4 | 0.0267 | 4.55 | 0.00000346 | 0.00512 | 0.0026 | 0.00345 | 0.00724 | 0.00000707 | 4.23 | 0.0000038 | 0.0000471 | 0.0000807 | 0.000334 | 0.013 |
| 2054 Nov | 27.5 | 0.00212 | 0.0547 | 0.000376 | 5.11 | 0.0234 | 4.75 | 0.00000301 | 0.00454 | 0.0033 | 0.003 | 0.00706 | 0.00000624 | 4.2 | 0.0000025 | 0.0000464 | 0.0000681 | 0.000304 | 0.0138 |
| 2054 Dec | 26.2 | 0.00448 | 0.0429 | 0.000408 | 4.69 | 0.0246 | 4.41 | 0.0000035 | 0.00394 | 0.00257 | 0.00349 | 0.00717 | 0.00000716 | 4.02 | 0.0000025 | 0.0000473 | 0.0000639 | 0.000292 | 0.0117 |
| 2055 Jan | 24.5 | 0.00636 | 0.0313 | 0.000435 | 4.23 | 0.0252 | 4.02 | 0.00000395 | 0.00348 | 0.00186 | 0.00394 | 0.00709 | 0.00000801 | 3.8 | 0.0000025 | 0.0000482 | 0.0000598 | 0.000279 | 0.00972 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 23.9 | 0.00703 | 0.0271 | 0.000445 | 4.07 | 0.0255 | 3.88 | 0.00000411 | 0.00331 | 0.00161 | 0.00411 | 0.00706 | 0.00000832 | 3.71 | 0.0000025 | 0.0000484 | 0.0000583 | 0.000275 | 0.00899 |
| 2055 Mar | 24.7 | 0.00995 | 0.0218 | 0.000461 | 4.11 | 0.0278 | 3.95 | 0.00000437 | 0.0024 | 0.00122 | 0.00436 | 0.00798 | 0.0000088 | 3.87 | 0.0000025 | 0.0000489 | 0.0000559 | 0.000268 | 0.00785 |
| 2055 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2055 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2055 Jun | 29.5 | 0.0077 | 0.0233 | 0.000441 | 6.03 | 0.0323 | 4.46 | 0.00000421 | 0.00233 | 0.00138 | 0.00421 | 0.00933 | 0.0000085 | 4.58 | 0.00000237 | 0.0000481 | 0.0000765 | 0.000264 | 0.00792 |
| 2055 Jul | 22.2 | 0.00241 | 0.0219 | 0.000457 | 4.4 | 0.0251 | 3.42 | 0.00000434 | 0.0047 | 0.00134 | 0.00433 | 0.00696 | 0.00000875 | 3.57 | 0.0000024 | 0.0000493 | 0.0000856 | 0.000269 | 0.0144 |
| 2055 Aug | 23.5 | 0.00224 | 0.0277 | 0.000435 | 4.69 | 0.0248 | 3.69 | 0.0000041 | 0.00452 | 0.00168 | 0.00409 | 0.00676 | 0.0000083 | 3.73 | 0.00000235 | 0.0000487 | 0.0000599 | 0.000274 | 0.0139 |
| 2055 Sep | 23.7 | 0.00553 | 0.0306 | 0.000389 | 4.51 | 0.024 | 3.89 | 0.00000387 | 0.004 | 0.00183 | 0.00387 | 0.00656 | 0.00000786 | 3.72 | 0.00000227 | 0.0000474 | 0.0000589 | 0.00027 | 0.0133 |
| 2055 Oct | 27.4 | 0.0017 | 0.049 | 0.000307 | 5.32 | 0.025 | 4.58 | 0.00000317 | 0.00475 | 0.00287 | 0.00316 | 0.00722 | 0.00000652 | 4.21 | 0.00000298 | 0.0000459 | 0.0000747 | 0.000312 | 0.0138 |
| 2055 Nov | 25.5 | 0.00322 | 0.0457 | 0.00032 | 4.66 | 0.023 | 4.29 | 0.00000331 | 0.00415 | 0.00268 | 0.0033 | 0.00679 | 0.00000678 | 3.92 | 0.00000217 | 0.0000463 | 0.0000629 | 0.000283 | 0.0126 |
| 2055 Dec | 25.6 | 0.00471 | 0.0413 | 0.000341 | 4.58 | 0.0241 | 4.25 | 0.00000351 | 0.00375 | 0.0024 | 0.0035 | 0.00712 | 0.00000717 | 3.94 | 0.00000221 | 0.0000468 | 0.0000615 | 0.00028 | 0.0117 |
| 2056 Jan | 24 | 0.00664 | 0.0295 | 0.000392 | 4.13 | 0.025 | 3.89 | 0.00000399 | 0.00332 | 0.0017 | 0.00398 | 0.00705 | 0.00000808 | 3.72 | 0.00000231 | 0.0000479 | 0.0000578 | 0.000271 | 0.00955 |
| 2056 Feb | 24.9 | 0.00555 | 0.0362 | 0.000363 | 4.39 | 0.0245 | 4.1 | 0.00000372 | 0.00356 | 0.0021 | 0.00371 | 0.00709 | 0.00000757 | 3.84 | 0.00000226 | 0.0000473 | 0.0000599 | 0.000276 | 0.0108 |
| 2056 Mar | 23.9 | 0.0114 | 0.015 | 0.00046 | 3.87 | 0.0284 | 3.73 | 0.00000463 | 0.00198 | 0.000775 | 0.00463 | 0.00807 | 0.00000929 | 3.76 | 0.00000243 | 0.0000492 | 0.0000529 | 0.000258 | 0.00667 |
| 2056 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2056 May | 24 | 0.00791 | 0.00749 | 0.00048 | 3.78 | 0.0292 | 3.72 | 0.00000477 | 0.00246 | 0.000501 | 0.00477 | 0.00786 | 0.00000956 | 3.58 | 0.00000245 | 0.0000493 | 0.000051 | 0.000253 | 0.00578 |
| 2056 Jun | 29.6 | 0.00748 | 0.0277 | 0.000428 | 5.95 | 0.0314 | 4.53 | 0.00000407 | 0.00258 | 0.00161 | 0.00406 | 0.00918 | 0.00000822 | 4.57 | 0.00000232 | 0.000048 | 0.0000751 | 0.00027 | 0.0087 |
| 2056 Jul | 20.2 | 0.00257 | 0.0121 | 0.000468 | 4.02 | 0.025 | 2.97 | 0.00000466 | 0.00477 | 0.000751 | 0.00466 | 0.00666 | 0.00000936 | 3.29 | 0.00000244 | 0.0000495 | 0.0000874 | 0.000259 | 0.0142 |
| 2056 Aug | 19.1 | 0.00251 | 0.00393 | 0.000495 | 3.97 | 0.025 | 2.69 | 0.00000495 | 0.0046 | 0.000301 | 0.00495 | 0.006 | 0.00000991 | 3.16 | 0.00000249 | 0.00005 | 0.0000506 | 0.000252 | 0.0131 |
| 2056 Sep | 23.2 | 0.00754 | 0.0215 | 0.000437 | 4.4 | 0.0254 | 3.71 | 0.00000437 | 0.00389 | 0.00129 | 0.00436 | 0.0066 | 0.0000088 | 3.67 | 0.00000241 | 0.0000494 | 0.0000574 | 0.00027 | 0.0129 |
| 2056 Oct | 27.4 | 0.00245 | 0.0394 | 0.000351 | 5.42 | 0.0273 | 4.4 | 0.00000353 | 0.00487 | 0.00226 | 0.00353 | 0.00739 | 0.0000072 | 4.2 | 0.00000377 | 0.0000463 | 0.0000817 | 0.000327 | 0.0122 |
| 2056 Nov | 26.1 | 0.00359 | 0.0454 | 0.000325 | 4.82 | 0.0236 | 4.31 | 0.00000326 | 0.00405 | 0.0026 | 0.00325 | 0.00698 | 0.00000667 | 3.98 | 0.00000229 | 0.0000455 | 0.0000653 | 0.000285 | 0.0122 |
| 2056 Dec | 24.8 | 0.00616 | 0.0331 | 0.000379 | 4.37 | 0.025 | 4.01 | 0.00000379 | 0.00341 | 0.00187 | 0.00378 | 0.00716 | 0.00000769 | 3.82 | 0.00000236 | 0.0000469 | 0.0000606 | 0.000274 | 0.00997 |
| 2057 Jan | 23.7 | 0.00739 | 0.0254 | 0.000412 | 4.05 | 0.0255 | 3.77 | 0.00000411 | 0.00314 | 0.00143 | 0.00411 | 0.00709 | 0.00000831 | 3.67 | 0.00000239 | 0.0000477 | 0.0000578 | 0.000268 | 0.00864 |
| 2057 Feb | 23 | 0.00823 | 0.0201 | 0.000434 | 3.83 | 0.0258 | 3.61 | 0.00000434 | 0.00296 | 0.00113 | 0.00433 | 0.00704 | 0.00000873 | 3.57 | 0.00000242 | 0.0000483 | 0.0000559 | 0.000263 | 0.00773 |
| 2057 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2057 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2057 May | 24.2 | 0.00752 | 0.0106 | 0.000468 | 3.87 | 0.0288 | 3.76 | 0.00000463 | 0.00257 | 0.000661 | 0.00463 | 0.0078 | 0.00000929 | 3.62 | 0.00000244 | 0.0000487 | 0.0000522 | 0.000254 | 0.00627 |
| 2057 Jun | 29.3 | 0.00767 | 0.025 | 0.000448 | 5.92 | 0.0316 | 4.41 | 0.00000415 | 0.00244 | 0.00138 | 0.00414 | 0.00919 | 0.00000836 | 4.52 | 0.00000232 | 0.0000477 | 0.0000746 | 0.000264 | 0.00819 |
| 2057 Jul | 21.2 | 0.00262 | 0.0177 | 0.000459 | 4.2 | 0.0249 | 3.17 | 0.00000445 | 0.0047 | 0.00102 | 0.00445 | 0.00679 | 0.00000896 | 3.42 | 0.0000024 | 0.000049 | 0.0000853 | 0.000263 | 0.0142 |
| 2057 Aug | 20.7 | 0.00255 | 0.0123 | 0.000473 | 4.23 | 0.025 | 3.03 | 0.00000467 | 0.00457 | 0.00074 | 0.00467 | 0.0063 | 0.00000938 | 3.37 | 0.00000245 | 0.0000496 | 0.0000537 | 0.00026 | 0.0133 |
| 2057 Sep | 23.3 | 0.00665 | 0.0257 | 0.000418 | 4.43 | 0.0245 | 3.71 | 0.0000041 | 0.00388 | 0.00144 | 0.00409 | 0.00654 | 0.00000828 | 3.65 | 0.00000231 | 0.0000477 | 0.0000576 | 0.000267 | 0.0129 |
| 2057 Oct | 26.9 | 0.00229 | 0.045 | 0.000342 | 5.26 | 0.0252 | 4.32 | 0.00000326 | 0.00462 | 0.00242 | 0.00325 | 0.00715 | 0.00000666 | 4.11 | 0.0000031 | 0.0000447 | 0.0000747 | 0.000307 | 0.013 |
| 2057 Nov | 24.8 | 0.00397 | 0.0414 | 0.000359 | 4.51 | 0.023 | 4.01 | 0.00000342 | 0.00395 | 0.00222 | 0.00341 | 0.00667 | 0.00000697 | 3.78 | 0.00000218 | 0.0000454 | 0.0000615 | 0.000275 | 0.0116 |
| 2057 Dec | 24.1 | 0.00652 | 0.0308 | 0.000401 | 4.2 | 0.0247 | 3.83 | 0.00000389 | 0.00331 | 0.00163 | 0.00388 | 0.00702 | 0.00000787 | 3.71 | 0.00000228 | 0.0000468 | 0.0000581 | 0.000267 | 0.00967 |
| 2058 Jan | 23.5 | 0.00732 | 0.0258 | 0.00042 | 4 | 0.0251 | 3.7 | 0.0000041 | 0.00314 | 0.00137 | 0.0041 | 0.007 | 0.00000828 | 3.63 | 0.00000232 | 0.0000474 | 0.0000566 | 0.000264 | 0.00878 |
| 2058 Feb | 22.6 | 0.00837 | 0.0191 | 0.000445 | 3.74 | 0.0256 | 3.52 | 0.00000438 | 0.00291 | 0.00101 | 0.00437 | 0.00697 | 0.00000881 | 3.51 | 0.00000237 | 0.0000482 | 0.0000546 | 0.00026 | 0.00762 |
| 2058 Mar | 23.6 | 0.012 | 0.0118 | 0.000477 | 3.77 | 0.0287 | 3.63 | 0.00000475 | 0.00181 | 0.000552 | 0.00475 | 0.00811 | 0.00000951 | 3.72 | 0.00000245 | 0.0000493 | 0.0000519 | 0.000254 | 0.00607 |
| 2058 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2058 May | 23.9 | 0.00789 | 0.00752 | 0.000483 | 3.78 | 0.0292 | 3.7 | 0.00000477 | 0.00245 | 0.000475 | 0.00477 | 0.00785 | 0.00000955 | 3.58 | 0.00000245 | 0.0000491 | 0.0000511 | 0.000252 | 0.00577 |
| 2058 Jun | 29.6 | 0.00747 | 0.0275 | 0.000435 | 6 | 0.0315 | 4.45 | 0.00000408 | 0.00253 | 0.00147 | 0.00408 | 0.00922 | 0.00000824 | 4.56 | 0.0000023 | 0.0000477 | 0.0000754 | 0.000268 | 0.00858 |
| 2058 Jul | 19 | 0.00252 | 0.00644 | 0.000489 | 3.84 | 0.0251 | 2.71 | 0.00000487 | 0.00483 | 0.000413 | 0.00487 | 0.00652 | 0.00000975 | 3.14 | 0.00000248 | 0.0000499 | 0.0000891 | 0.000254 | 0.0141 |
| 2058 Aug | 19.1 | 0.00251 | 0.00396 | 0.000496 | 3.98 | 0.025 | 2.69 | 0.00000496 | 0.0046 | 0.000295 | 0.00496 | 0.00601 | 0.00000992 | 3.16 | 0.00000249 | 0.00005 | 0.0000506 | 0.000252 | 0.0131 |
| 2058 Sep | 23.3 | 0.00685 | 0.0249 | 0.000426 | 4.44 | 0.0248 | 3.69 | 0.00000415 | 0.00394 | 0.00136 | 0.00414 | 0.00657 | 0.00000838 | 3.65 | 0.00000232 | 0.0000482 | 0.0000573 | 0.00027 | 0.0129 |
| 2058 Oct | 27 | 0.00236 | 0.0442 | 0.000354 | 5.3 | 0.026 | 4.32 | 0.00000331 | 0.00486 | 0.00232 | 0.00329 | 0.00725 | 0.00000675 | 4.12 | 0.00000321 | 0.0000455 | 0.0000754 | 0.00032 | 0.0129 |
| 2058 Nov | 25.8 | 0.00346 | 0.0468 | 0.000342 | 4.77 | 0.0235 | 4.2 | 0.00000323 | 0.00428 | 0.00244 | 0.00321 | 0.00692 | 0.00000659 | 3.92 | 0.00000216 | 0.0000455 | 0.0000629 | 0.00029 | 0.0125 |
| 2058 Dec | 24.7 | 0.00601 | 0.0345 | 0.000389 | 4.36 | 0.0249 | 3.94 | 0.00000376 | 0.0036 | 0.00178 | 0.00375 | 0.00712 | 0.00000761 | 3.79 | 0.00000227 | 0.0000469 | 0.0000591 | 0.000279 | 0.0103 |
| 2059 Jan | 23.6 | 0.00733 | 0.026 | 0.00042 | 4.03 | 0.0254 | 3.71 | 0.0000041 | 0.00326 | 0.00135 | 0.00409 | 0.00706 | 0.00000828 | 3.64 | 0.00000233 | 0.0000478 | 0.0000566 | 0.000271 | 0.00883 |
| 2059 Feb | 23.3 | 0.00764 | 0.0241 | 0.000427 | 3.95 | 0.0255 | 3.66 | 0.00000418 | 0.00319 | 0.00125 | 0.00418 | 0.00704 | 0.00000843 | 3.6 | 0.00000235 | 0.000048 | 0.000056 | 0.000269 | 0.00849 |
| 2059 Mar | 25.5 | 0.00788 | 0.0317 | 0.000402 | 4.44 | 0.0265 | 4.04 | 0.00000391 | 0.00299 | 0.0016 | 0.0039 | 0.00778 | 0.0000079 | 3.93 | 0.00000229 | 0.0000473 | 0.0000581 | 0.000275 | 0.00967 |
| 2059 Apr | 22.1 | 0.00542 | 0.0129 | 0.000463 | 2.28 | 0.0316 | 3.89 | 0.00000459 | 0.00207 | 0.000755 | 0.00458 | 0.00679 | 0.0000092 | 3.21 | 0.00000242 | 0.000049 | 0.0000531 | 0.00026 | 0.00677 |
| 2059 May | 24 | 0.00787 | 0.00765 | 0.000475 | 3.79 | 0.0292 | 3.7 | 0.00000476 | 0.00249 | 0.000475 | 0.00476 | 0.00786 | 0.00000955 | 3.58 | 0.00000245 | 0.0000492 | 0.0000511 | 0.000253 | 0.00581 |
| 2059 Jun | 29.1 | 0.00773 | 0.0237 | 0.000418 | 5.91 | 0.032 | 4.34 | 0.0000042 | 0.00247 | 0.00123 | 0.00419 | 0.00923 | 0.00000845 | 4.5 | 0.00000232 | 0.0000478 | 0.0000746 | 0.000266 | 0.00799 |
| 2059 Jul | 19.1 | 0.00254 | 0.00695 | 0.000485 | 3.84 | 0.025 | 2.73 | 0.00000484 | 0.00482 | 0.000431 | 0.00484 | 0.00652 | 0.0000097 | 3.15 | 0.00000247 | 0.0000497 | 0.0000885 | 0.000255 | 0.014 |
| 2059 Aug | 20.3 | 0.00256 | 0.0102 | 0.000477 | 4.17 | 0.0251 | 2.93 | 0.00000474 | 0.0046 | 0.0006 | 0.00474 | 0.00624 | 0.00000951 | 3.31 | 0.00000246 | 0.0000497 | 0.0000528 | 0.000259 | 0.0132 |
| 2059 Sep | 23.7 | 0.00649 | 0.0277 | 0.000411 | 4.49 | 0.0247 | 3.74 | 0.00000402 | 0.00397 | 0.00145 | 0.00401 | 0.00666 | 0.00000812 | 3.69 | 0.00000228 | 0.0000476 | 0.0000578 | 0.000272 | 0.0128 |
| 2059 Oct | 26.7 | 0.00225 | 0.0431 | 0.000317 | 5.26 | 0.0258 | 4.19 | 0.00000331 | 0.00483 | 0.00215 | 0.00329 | 0.00715 | 0.00000673 | 4.06 | 0.0000033 | 0.0000446 | 0.0000756 | 0.000316 | 0.0126 |
| 2059 Nov | 25.5 | 0.00343 | 0.0452 | 0.000307 | 4.72 | 0.0234 | 4.06 | 0.00000326 | 0.00423 | 0.00225 | 0.00325 | 0.00682 | 0.00000665 | 3.86 | 0.00000227 | 0.0000448 | 0.0000632 | 0.000287 | 0.0121 |
| 2059 Dec | 24.5 | 0.00596 | 0.0338 | 0.000363 | 4.34 | 0.0248 | 3.86 | 0.00000376 | 0.00356 | 0.00167 | 0.00375 | 0.00707 | 0.00000762 | 3.75 | 0.00000234 | 0.0000464 | 0.0000595 | 0.000276 | 0.0101 |
| 2060 Jan | 23.5 | 0.00732 | 0.0254 | 0.000402 | 4.01 | 0.0254 | 3.65 | 0.00000412 | 0.00323 | 0.00126 | 0.00411 | 0.00702 | 0.00000829 | 3.61 | 0.00000238 | 0.0000474 | 0.0000568 | 0.000269 | 0.00863 |
| 2060 Feb | 22.8 | 0.00814 | 0.0203 | 0.000425 | 3.8 | 0.0257 | 3.52 | 0.00000433 | 0.00303 | 0.00101 | 0.00432 | 0.00699 | 0.0000087 | 3.53 | 0.00000241 | 0.000048 | 0.0000552 | 0.000264 | 0.00775 |
| 2060 Mar | 23.7 | 0.0119 | 0.0124 | 0.000469 | 3.8 | 0.0287 | 3.63 | 0.00000472 | 0.00187 | 0.000555 | 0.00472 | 0.00811 | 0.00000946 | 3.72 | 0.00000246 | 0.0000492 | 0.0000521 | 0.000256 | 0.00614 |
| 2060 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2060 May | 24.7 | 0.00697 | 0.017 | 0.000448 | 4.04 | 0.0281 | 3.84 | 0.00000438 | 0.00278 | 0.00091 | 0.00437 | 0.00776 | 0.0000088 | 3.68 | 0.00000236 | 0.0000479 | 0.0000534 | 0.000259 | 0.00719 |
| 2060 Jun | 29.5 | 0.00797 | 0.0247 | 0.000456 | 5.99 | 0.0321 | 4.38 | 0.00000421 | 0.00246 | 0.00126 | 0.0042 | 0.00931 | 0.00000848 | 4.55 | 0.00000232 | 0.000048 | 0.0000754 | 0.000267 | 0.00819 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 19.9 | 0.00264 | 0.011 | 0.000484 | 3.97 | 0.025 | 2.88 | 0.0000047 | 0.00479 | 0.000623 | 0.0047 | 0.00662 | 0.00000943 | 3.24 | 0.00000244 | 0.0000495 | 0.0000873 | 0.000258 | 0.0141 |
| 2060 Aug | 22.7 | 0.00266 | 0.025 | 0.000433 | 4.51 | 0.0243 | 3.39 | 0.00000411 | 0.00447 | 0.0013 | 0.00411 | 0.00657 | 0.00000829 | 3.57 | 0.00000229 | 0.0000475 | 0.0000573 | 0.000266 | 0.0136 |
| 2060 Sep | 22.6 | 0.00621 | 0.0255 | 0.000408 | 4.32 | 0.0238 | 3.53 | 0.00000402 | 0.00394 | 0.00129 | 0.00401 | 0.00633 | 0.00000811 | 3.54 | 0.00000224 | 0.0000466 | 0.0000557 | 0.000262 | 0.0129 |
| 2060 Oct | 27.2 | 0.00188 | 0.0478 | 0.000349 | 5.34 | 0.0251 | 4.24 | 0.00000321 | 0.00485 | 0.00233 | 0.0032 | 0.00715 | 0.00000655 | 4.11 | 0.00000307 | 0.0000446 | 0.0000744 | 0.000313 | 0.0136 |
| 2060 Nov | 25.8 | 0.00315 | 0.0481 | 0.000355 | 4.78 | 0.0229 | 4.08 | 0.00000322 | 0.00427 | 0.00234 | 0.00321 | 0.00681 | 0.00000658 | 3.9 | 0.00000214 | 0.0000449 | 0.0000628 | 0.000285 | 0.0129 |
| 2060 Dec | 24.7 | 0.00589 | 0.0349 | 0.0004 | 4.35 | 0.0246 | 3.85 | 0.00000377 | 0.00355 | 0.0017 | 0.00376 | 0.00706 | 0.00000763 | 3.77 | 0.00000225 | 0.0000465 | 0.0000589 | 0.000274 | 0.0105 |
| 2061 Jan | 23.9 | 0.00688 | 0.0287 | 0.000421 | 4.11 | 0.025 | 3.7 | 0.00000402 | 0.00332 | 0.00139 | 0.00401 | 0.00703 | 0.00000811 | 3.66 | 0.0000023 | 0.0000472 | 0.0000571 | 0.000269 | 0.00936 |
| 2061 Feb | 23.3 | 0.00754 | 0.0245 | 0.000434 | 3.95 | 0.0253 | 3.6 | 0.00000419 | 0.00316 | 0.00119 | 0.00418 | 0.007 | 0.00000844 | 3.59 | 0.00000234 | 0.0000477 | 0.0000559 | 0.000266 | 0.00861 |
| 2061 Mar | 24.4 | 0.0103 | 0.0201 | 0.000453 | 4.04 | 0.0278 | 3.76 | 0.00000442 | 0.00228 | 0.00093 | 0.00441 | 0.00797 | 0.00000888 | 3.8 | 0.00000238 | 0.0000483 | 0.0000543 | 0.000262 | 0.0076 |
| 2061 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2061 May | 24.2 | 0.00745 | 0.0111 | 0.000473 | 3.88 | 0.0287 | 3.73 | 0.00000462 | 0.0026 | 0.000625 | 0.00462 | 0.00779 | 0.00000926 | 3.61 | 0.00000241 | 0.0000486 | 0.000052 | 0.000255 | 0.00639 |
| 2061 Jun | 29.3 | 0.00762 | 0.0249 | 0.000442 | 5.97 | 0.0317 | 4.31 | 0.00000412 | 0.00244 | 0.00126 | 0.00412 | 0.00921 | 0.00000831 | 4.51 | 0.00000228 | 0.0000471 | 0.0000753 | 0.000264 | 0.00825 |
| 2061 Jul | 22.7 | 0.00246 | 0.0253 | 0.000432 | 4.5 | 0.0248 | 3.38 | 0.00000413 | 0.00461 | 0.0013 | 0.00413 | 0.00698 | 0.00000833 | 3.59 | 0.0000023 | 0.0000477 | 0.0000834 | 0.000268 | 0.0143 |
| 2061 Aug | 21.7 | 0.00242 | 0.0181 | 0.000456 | 4.41 | 0.0249 | 3.17 | 0.00000442 | 0.00453 | 0.000966 | 0.00441 | 0.00646 | 0.00000888 | 3.48 | 0.00000237 | 0.0000485 | 0.0000563 | 0.000263 | 0.0135 |
| 2061 Sep | 23.3 | 0.00637 | 0.0259 | 0.000429 | 4.48 | 0.0246 | 3.62 | 0.00000407 | 0.00391 | 0.00133 | 0.00406 | 0.00658 | 0.00000821 | 3.64 | 0.00000227 | 0.0000472 | 0.0000588 | 0.000266 | 0.013 |
| 2061 Oct | 26.2 | 0.00195 | 0.0374 | 0.000357 | 5.24 | 0.0264 | 4 | 0.00000347 | 0.00487 | 0.00184 | 0.00346 | 0.00709 | 0.00000704 | 3.99 | 0.00000364 | 0.0000442 | 0.0000799 | 0.000317 | 0.0122 |
| 2061 Nov | 25.2 | 0.00281 | 0.0453 | 0.000314 | 4.74 | 0.0227 | 3.93 | 0.00000311 | 0.00412 | 0.00222 | 0.0031 | 0.00673 | 0.00000635 | 3.8 | 0.00000216 | 0.000043 | 0.0000644 | 0.000277 | 0.0125 |
| 2061 Dec | 24.2 | 0.00543 | 0.0338 | 0.000367 | 4.34 | 0.0242 | 3.75 | 0.00000366 | 0.00352 | 0.00164 | 0.00365 | 0.00696 | 0.0000074 | 3.7 | 0.00000226 | 0.000045 | 0.0000603 | 0.000269 | 0.0103 |
| 2062 Jan | 23.2 | 0.00697 | 0.0252 | 0.000405 | 4 | 0.025 | 3.57 | 0.00000405 | 0.00319 | 0.00123 | 0.00404 | 0.00694 | 0.00000816 | 3.57 | 0.00000233 | 0.0000465 | 0.0000573 | 0.000264 | 0.00879 |
| 2062 Feb | 22.8 | 0.00761 | 0.0217 | 0.000421 | 3.86 | 0.0253 | 3.49 | 0.00000421 | 0.00306 | 0.00106 | 0.0042 | 0.00693 | 0.00000847 | 3.52 | 0.00000236 | 0.0000471 | 0.0000561 | 0.000261 | 0.00816 |
| 2062 Mar | 23.2 | 0.0129 | 0.00745 | 0.000493 | 3.63 | 0.0293 | 3.53 | 0.00000493 | 0.00159 | 0.000305 | 0.00493 | 0.0082 | 0.00000986 | 3.67 | 0.00000249 | 0.0000497 | 0.0000505 | 0.000251 | 0.00528 |
| 2062 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2062 May | 23.7 | 0.0085 | 0.0025 | 0.0005 | 3.66 | 0.03 | 3.63 | 0.000005 | 0.0023 | 0.00022 | 0.005 | 0.00795 | 0.00001 | 3.54 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2062 Jun | 29.1 | 0.00796 | 0.0208 | 0.000425 | 6.02 | 0.0324 | 4.23 | 0.00000426 | 0.00222 | 0.00102 | 0.00425 | 0.00934 | 0.00000856 | 4.5 | 0.0000023 | 0.0000471 | 0.0000762 | 0.000258 | 0.00755 |
| 2062 Jul | 21.2 | 0.00242 | 0.0175 | 0.000434 | 4.24 | 0.0249 | 3.08 | 0.00000444 | 0.00472 | 0.000896 | 0.00443 | 0.0068 | 0.00000891 | 3.4 | 0.00000237 | 0.0000485 | 0.0000859 | 0.000263 | 0.0142 |
| 2062 Aug | 23 | 0.00228 | 0.0252 | 0.000402 | 4.65 | 0.0249 | 3.39 | 0.00000416 | 0.00456 | 0.00126 | 0.00415 | 0.0067 | 0.00000838 | 3.63 | 0.0000023 | 0.0000479 | 0.0000589 | 0.000271 | 0.0138 |
| 2062 Sep | 22.6 | 0.00631 | 0.0242 | 0.000404 | 4.34 | 0.0242 | 3.49 | 0.00000406 | 0.00396 | 0.0012 | 0.00405 | 0.0064 | 0.00000818 | 3.54 | 0.00000225 | 0.0000468 | 0.0000566 | 0.000265 | 0.0128 |
| 2062 Oct | 26 | 0.00189 | 0.0389 | 0.000396 | 5.2 | 0.0262 | 3.97 | 0.00000337 | 0.00507 | 0.00185 | 0.00335 | 0.00701 | 0.00000683 | 3.96 | 0.0000036 | 0.000044 | 0.0000783 | 0.000323 | 0.0124 |
| 2062 Nov | 25.4 | 0.00281 | 0.0465 | 0.000393 | 4.78 | 0.0231 | 3.95 | 0.00000309 | 0.00446 | 0.0022 | 0.00307 | 0.00676 | 0.0000063 | 3.82 | 0.00000229 | 0.0000435 | 0.000065 | 0.000292 | 0.0127 |
| 2062 Dec | 24.6 | 0.00527 | 0.0357 | 0.000422 | 4.42 | 0.0245 | 3.79 | 0.0000036 | 0.0038 | 0.00168 | 0.00358 | 0.007 | 0.00000728 | 3.74 | 0.00000235 | 0.0000453 | 0.0000612 | 0.000281 | 0.0107 |
| 2063 Jan | 23.5 | 0.00674 | 0.0273 | 0.000443 | 4.08 | 0.0251 | 3.61 | 0.00000398 | 0.00342 | 0.00129 | 0.00397 | 0.00697 | 0.00000801 | 3.61 | 0.00000239 | 0.0000465 | 0.0000582 | 0.000273 | 0.00916 |
| 2063 Feb | 22.5 | 0.00826 | 0.0186 | 0.000465 | 3.73 | 0.0257 | 3.43 | 0.00000436 | 0.00304 | 0.000883 | 0.00436 | 0.00694 | 0.00000876 | 3.48 | 0.00000243 | 0.0000479 | 0.0000551 | 0.000264 | 0.00759 |
| 2063 Mar | 24.1 | 0.0104 | 0.0188 | 0.000468 | 4.01 | 0.0279 | 3.7 | 0.00000441 | 0.00231 | 0.000844 | 0.0044 | 0.00794 | 0.00000886 | 3.76 | 0.00000244 | 0.000048 | 0.0000547 | 0.000263 | 0.0074 |
| 2063 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2063 May | 24 | 0.00799 | 0.00663 | 0.000491 | 3.78 | 0.0295 | 3.68 | 0.00000482 | 0.00248 | 0.000407 | 0.00482 | 0.00789 | 0.00000965 | 3.58 | 0.00000248 | 0.0000494 | 0.0000514 | 0.000254 | 0.00571 |
| 2063 Jun | 28.8 | 0.00746 | 0.0247 | 0.000433 | 5.91 | 0.0313 | 4.21 | 0.00000404 | 0.00247 | 0.00118 | 0.00404 | 0.00909 | 0.00000814 | 4.44 | 0.00000223 | 0.0000462 | 0.0000748 | 0.000261 | 0.00825 |
| 2063 Jul | 20.1 | 0.0025 | 0.0121 | 0.000468 | 4.04 | 0.0249 | 2.87 | 0.00000462 | 0.00475 | 0.000634 | 0.00462 | 0.00665 | 0.00000927 | 3.26 | 0.0000024 | 0.0000488 | 0.0000871 | 0.000257 | 0.0141 |
| 2063 Aug | 18.9 | 0.0025 | 0.00322 | 0.000498 | 3.95 | 0.025 | 2.65 | 0.00000498 | 0.0046 | 0.000252 | 0.00497 | 0.00598 | 0.00000995 | 3.14 | 0.00000249 | 0.0000499 | 0.0000503 | 0.000251 | 0.013 |
| 2063 Sep | 21.8 | 0.00821 | 0.014 | 0.000463 | 4.17 | 0.0253 | 3.33 | 0.0000046 | 0.0038 | 0.000721 | 0.00459 | 0.00633 | 0.00000923 | 3.46 | 0.00000241 | 0.0000491 | 0.0000549 | 0.000261 | 0.0124 |
| 2063 Oct | 28.7 | 0.0024 | 0.0439 | 0.00035 | 5.75 | 0.028 | 4.31 | 0.00000349 | 0.00492 | 0.00204 | 0.00347 | 0.00781 | 0.00000708 | 4.34 | 0.00000348 | 0.000046 | 0.0000839 | 0.00033 | 0.013 |
| 2063 Nov | 23.9 | 0.00541 | 0.0304 | 0.000396 | 4.23 | 0.0245 | 3.61 | 0.00000397 | 0.00383 | 0.00144 | 0.00396 | 0.00673 | 0.000008 | 3.63 | 0.00000227 | 0.0000472 | 0.0000616 | 0.000275 | 0.00976 |
| 2063 Dec | 24.1 | 0.00771 | 0.0248 | 0.000421 | 4.14 | 0.0261 | 3.65 | 0.00000422 | 0.00312 | 0.00115 | 0.00421 | 0.0073 | 0.00000848 | 3.7 | 0.00000233 | 0.0000479 | 0.0000588 | 0.000269 | 0.00861 |
| 2064 Jan | 24.1 | 0.0077 | 0.0249 | 0.000421 | 4.15 | 0.0261 | 3.65 | 0.00000421 | 0.00313 | 0.00116 | 0.0042 | 0.0073 | 0.00000847 | 3.7 | 0.00000233 | 0.0000479 | 0.0000589 | 0.000269 | 0.00863 |
| 2064 Feb | 23.7 | 0.00803 | 0.0226 | 0.000429 | 4.04 | 0.0262 | 3.59 | 0.0000043 | 0.00305 | 0.00105 | 0.00429 | 0.00726 | 0.00000864 | 3.65 | 0.00000235 | 0.0000481 | 0.0000579 | 0.000267 | 0.00823 |
| 2064 Mar | 23.1 | 0.0133 | 0.00595 | 0.0005 | 3.58 | 0.0295 | 3.51 | 0.000005 | 0.0015 | 0.00023 | 0.005 | 0.00824 | 0.00001 | 3.66 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2064 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2064 May | 23.9 | 0.00766 | 0.00926 | 0.000468 | 3.82 | 0.0288 | 3.66 | 0.00000466 | 0.0025 | 0.000504 | 0.00465 | 0.00779 | 0.00000933 | 3.57 | 0.0000024 | 0.0000484 | 0.0000514 | 0.000251 | 0.00603 |
| 2064 Jun | 29.3 | 0.00822 | 0.0211 | 0.000452 | 6.01 | 0.0326 | 4.23 | 0.00000431 | 0.00232 | 0.000978 | 0.0043 | 0.00939 | 0.00000866 | 4.52 | 0.00000231 | 0.0000476 | 0.000076 | 0.000262 | 0.0077 |
| 2064 Jul | 20 | 0.00261 | 0.0118 | 0.000472 | 4 | 0.0249 | 2.86 | 0.00000465 | 0.00477 | 0.000602 | 0.00464 | 0.00663 | 0.00000931 | 3.25 | 0.00000241 | 0.000049 | 0.0000868 | 0.000258 | 0.0141 |
| 2064 Aug | 21.8 | 0.00265 | 0.019 | 0.000444 | 4.41 | 0.0248 | 3.15 | 0.00000437 | 0.00455 | 0.000912 | 0.00436 | 0.00649 | 0.00000877 | 3.47 | 0.00000234 | 0.0000481 | 0.0000561 | 0.000264 | 0.0134 |
| 2064 Sep | 23.3 | 0.0058 | 0.0294 | 0.000375 | 4.47 | 0.0239 | 3.54 | 0.0000038 | 0.00398 | 0.00132 | 0.00379 | 0.00655 | 0.00000766 | 3.59 | 0.00000215 | 0.0000453 | 0.0000582 | 0.000266 | 0.0128 |
| 2064 Oct | 26 | 0.00243 | 0.0405 | 0.000317 | 5.15 | 0.0255 | 3.87 | 0.0000033 | 0.00475 | 0.00176 | 0.00329 | 0.00709 | 0.00000669 | 3.92 | 0.00000307 | 0.0000433 | 0.0000746 | 0.000307 | 0.0125 |
| 2064 Nov | 21.5 | 0.00584 | 0.023 | 0.000401 | 3.69 | 0.0234 | 3.23 | 0.00000408 | 0.00372 | 0.00104 | 0.00407 | 0.00616 | 0.00000821 | 3.29 | 0.00000223 | 0.0000464 | 0.000056 | 0.000262 | 0.00863 |
| 2064 Dec | 23.3 | 0.00688 | 0.0268 | 0.000387 | 4.05 | 0.0248 | 3.51 | 0.00000396 | 0.00329 | 0.00117 | 0.00394 | 0.00697 | 0.00000796 | 3.56 | 0.00000219 | 0.0000459 | 0.0000568 | 0.000264 | 0.00913 |
| 2065 Jan | 23.8 | 0.00608 | 0.0315 | 0.000364 | 4.24 | 0.0244 | 3.59 | 0.00000374 | 0.00348 | 0.00137 | 0.00373 | 0.00698 | 0.00000754 | 3.63 | 0.00000213 | 0.0000451 | 0.0000582 | 0.000267 | 0.00998 |
| 2065 Feb | 24.4 | 0.0053 | 0.0361 | 0.000341 | 4.42 | 0.024 | 3.67 | 0.00000353 | 0.00366 | 0.00156 | 0.00351 | 0.00699 | 0.00000713 | 3.69 | 0.00000207 | 0.0000443 | 0.0000596 | 0.00027 | 0.0108 |
| 2065 Mar | 24.1 | 0.01 | 0.02 | 0.000427 | 4.03 | 0.0274 | 3.65 | 0.00000432 | 0.00235 | 0.000842 | 0.00432 | 0.00788 | 0.00000868 | 3.74 | 0.0000023 | 0.0000474 | 0.0000544 | 0.000259 | 0.00767 |
| 2065 Apr | 20.8 | 0.00615 | 0.0025 | 0.0005 | 1.58 | 0.0335 | 3.73 | 0.000005 | 0.0015 | 0.000235 | 0.005 | 0.00667 | 0.00001 | 2.98 | 0.0000025 | 0.00005 | 0.00005 | 0.00025 | 0.005 |
| 2065 May | 24.5 | 0.00643 | 0.0193 | 0.000419 | 4.11 | 0.0275 | 3.73 | 0.00000424 | 0.00296 | 0.000892 | 0.00423 | 0.00763 | 0.00000852 | 3.65 | 0.00000227 | 0.000047 | 0.0000544 | 0.00026 | 0.00787 |
| 2065 Jun | 29 | 0.00757 | 0.0238 | 0.00041 | 5.96 | 0.0318 | 4.18 | 0.00000414 | 0.00244 | 0.00103 | 0.00413 | 0.00922 | 0.00000832 | 4.46 | 0.00000224 | 0.0000467 | 0.0000749 | 0.000262 | 0.00798 |
| 2065 Jul | 19.6 | 0.0025 | 0.00947 | 0.000472 | 3.95 | 0.0251 | 2.78 | 0.00000475 | 0.0048 | 0.000484 | 0.00474 | 0.00661 | 0.00000951 | 3.2 | 0.00000243 | 0.0000493 | 0.0000881 | 0.000256 | 0.0141 |
| 2065 Aug | 21 | 0.00249 | 0.0136 | 0.000459 | 4.32 | 0.0252 | 2.99 | 0.00000462 | 0.0046 | 0.000654 | 0.00462 | 0.00638 | 0.00000927 | 3.39 | 0.00000241 | 0.0000491 | 0.0000545 | 0.000261 | 0.0134 |
| 2065 Sep | 23 | 0.00705 | 0.0223 | 0.000423 | 4.43 | 0.0251 | 3.47 | 0.00000425 | 0.00391 | 0.00099 | 0.00424 | 0.00657 | 0.00000854 | 3.59 | 0.0000023 | 0.0000477 | 0.0000574 | 0.000267 | 0.0127 |
| 2065 Oct | 26.1 | 0.00209 | 0.0366 | 0.00038 | 5.26 | 0.0267 | 3.82 | 0.00000348 | 0.00493 | 0.00152 | 0.00347 | 0.0071 | 0.00000703 | 3.95 | 0.00000368 | 0.0000435 | 0.0000795 | 0.000319 | 0.0119 |
| 2065 Nov | 25.6 | 0.00267 | 0.0475 | 0.000359 | 4.91 | 0.023 | 3.8 | 0.00000302 | 0.00428 | 0.00194 | 0.003 | 0.00684 | 0.00000614 | 3.82 | 0.00000219 | 0.0000419 | 0.0000651 | 0.000282 | 0.0126 |

**Appendix D20. Downstream Node 2**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 25.4 | 0.00401 | 0.0425 | 0.000379 | 4.75 | 0.0239 | 3.77 | 0.00000328 | 0.00394 | 0.00173 | 0.00326 | 0.00704 | 0.00000663 | 3.81 | 0.00000224 | 0.000043 | 0.0000634 | 0.000279 | 0.0116 |
| 2066 Jan | 25.1 | 0.00447 | 0.0399 | 0.000388 | 4.65 | 0.0241 | 3.73 | 0.0000034 | 0.00384 | 0.00163 | 0.00338 | 0.00703 | 0.00000687 | 3.78 | 0.00000226 | 0.0000435 | 0.0000625 | 0.000277 | 0.0112 |
| 2066 Feb | 25 | 0.00456 | 0.0395 | 0.00039 | 4.63 | 0.0241 | 3.72 | 0.00000342 | 0.00383 | 0.00161 | 0.0034 | 0.00704 | 0.00000691 | 3.77 | 0.00000226 | 0.0000436 | 0.0000624 | 0.000277 | 0.0111 |
| 2066 Mar | 23.8 | 0.0112 | 0.015 | 0.000471 | 3.9 | 0.0283 | 3.6 | 0.00000458 | 0.00204 | 0.0006 | 0.00457 | 0.00803 | 0.00000918 | 3.72 | 0.00000244 | 0.0000483 | 0.0000533 | 0.000257 | 0.00663 |
| 2066 Apr | 22.4 | 0.00503 | 0.0159 | 0.00046 | 2.52 | 0.0309 | 3.8 | 0.00000442 | 0.00225 | 0.000744 | 0.00441 | 0.00678 | 0.00000887 | 3.24 | 0.00000241 | 0.0000477 | 0.0000546 | 0.00026 | 0.00725 |
| 2066 May | 23.8 | 0.00815 | 0.0052 | 0.000492 | 3.73 | 0.0296 | 3.64 | 0.00000487 | 0.0024 | 0.000323 | 0.00487 | 0.00789 | 0.00000974 | 3.55 | 0.00000247 | 0.0000494 | 0.0000507 | 0.000251 | 0.00542 |
| 2066 Jun | 29.1 | 0.00826 | 0.02 | 0.000468 | 5.97 | 0.0326 | 4.16 | 0.0000043 | 0.0023 | 0.00088 | 0.0043 | 0.00936 | 0.00000864 | 4.48 | 0.0000023 | 0.0000473 | 0.0000755 | 0.00026 | 0.00747 |
| 2066 Jul | 18.4 | 0.00251 | 0.00351 | 0.000498 | 3.73 | 0.025 | 2.58 | 0.00000496 | 0.00485 | 0.00025 | 0.00496 | 0.00643 | 0.00000993 | 3.06 | 0.00000249 | 0.0000499 | 0.0000897 | 0.000251 | 0.014 |
| 2066 Aug | 21.7 | 0.00266 | 0.0172 | 0.000467 | 4.42 | 0.0252 | 3.09 | 0.00000448 | 0.0046 | 0.000793 | 0.00447 | 0.00651 | 0.00000898 | 3.46 | 0.00000237 | 0.0000487 | 0.0000558 | 0.000265 | 0.0135 |
| 2066 Sep | 22.8 | 0.00697 | 0.0228 | 0.000439 | 4.39 | 0.0248 | 3.43 | 0.00000417 | 0.00392 | 0.000997 | 0.00416 | 0.00652 | 0.00000837 | 3.56 | 0.00000226 | 0.000047 | 0.0000569 | 0.000265 | 0.0126 |
| 2066 Oct | 25.7 | 0.00243 | 0.0391 | 0.000356 | 5.15 | 0.0255 | 3.76 | 0.00000331 | 0.0047 | 0.00159 | 0.00329 | 0.00703 | 0.00000669 | 3.88 | 0.00000313 | 0.0000426 | 0.0000742 | 0.000304 | 0.0122 |
| 2066 Nov | 25 | 0.00294 | 0.0454 | 0.000316 | 4.78 | 0.0227 | 3.68 | 0.00000304 | 0.00421 | 0.00181 | 0.00302 | 0.00674 | 0.00000616 | 3.73 | 0.00000207 | 0.0000415 | 0.0000629 | 0.000277 | 0.0124 |
| 2066 Dec | 24.5 | 0.00481 | 0.0374 | 0.000351 | 4.52 | 0.0239 | 3.62 | 0.00000344 | 0.00376 | 0.00149 | 0.00342 | 0.00694 | 0.00000695 | 3.69 | 0.00000217 | 0.0000433 | 0.0000604 | 0.000272 | 0.0109 |
| 2067 Jan | 24.3 | 0.00516 | 0.0355 | 0.00036 | 4.44 | 0.0241 | 3.59 | 0.00000353 | 0.00368 | 0.00142 | 0.00352 | 0.00694 | 0.00000713 | 3.67 | 0.00000219 | 0.0000438 | 0.0000599 | 0.000271 | 0.0106 |
| 2067 Feb | 24 | 0.00563 | 0.0329 | 0.000372 | 4.33 | 0.0243 | 3.55 | 0.00000366 | 0.00357 | 0.00132 | 0.00364 | 0.00694 | 0.00000737 | 3.63 | 0.00000222 | 0.0000443 | 0.000059 | 0.000269 | 0.0101 |
| 2067 Mar | 25.5 | 0.00496 | 0.0408 | 0.000338 | 4.75 | 0.0244 | 3.77 | 0.00000331 | 0.00365 | 0.00161 | 0.00329 | 0.00731 | 0.00000669 | 3.84 | 0.00000215 | 0.0000428 | 0.0000614 | 0.000275 | 0.0114 |
| 2067 Apr | 23.1 | 0.0044 | 0.024 | 0.000407 | 3.11 | 0.0289 | 3.79 | 0.00000403 | 0.00273 | 0.00102 | 0.00402 | 0.00681 | 0.0000081 | 3.37 | 0.0000023 | 0.0000459 | 0.0000566 | 0.000264 | 0.00869 |
| 2067 May | 24.9 | 0.00568 | 0.0249 | 0.000392 | 4.31 | 0.0268 | 3.74 | 0.000004 | 0.00321 | 0.00104 | 0.00399 | 0.00755 | 0.00000804 | 3.7 | 0.00000229 | 0.0000458 | 0.0000565 | 0.000265 | 0.0087 |
| 2067 Jun | 28.8 | 0.0078 | 0.0227 | 0.000428 | 5.89 | 0.0318 | 4.12 | 0.00000417 | 0.00243 | 0.00094 | 0.00416 | 0.00918 | 0.00000838 | 4.42 | 0.00000225 | 0.0000466 | 0.0000741 | 0.000261 | 0.00782 |
| 2067 Jul | 19.1 | 0.00252 | 0.00749 | 0.000486 | 3.86 | 0.0249 | 2.69 | 0.0000048 | 0.00481 | 0.000393 | 0.0048 | 0.00651 | 0.00000961 | 3.14 | 0.00000244 | 0.0000493 | 0.0000881 | 0.000254 | 0.014 |
| 2067 Aug | 21.8 | 0.00234 | 0.0219 | 0.000435 | 4.42 | 0.0242 | 3.1 | 0.00000416 | 0.00451 | 0.000924 | 0.00415 | 0.00645 | 0.00000836 | 3.44 | 0.00000225 | 0.0000466 | 0.0000571 | 0.000261 | 0.0134 |
| 2067 Sep | 22.6 | 0.00634 | 0.0243 | 0.000421 | 4.37 | 0.0243 | 3.37 | 0.00000408 | 0.00398 | 0.000999 | 0.00407 | 0.00645 | 0.0000082 | 3.52 | 0.00000222 | 0.0000464 | 0.0000578 | 0.000263 | 0.0128 |
| 2067 Oct | 26.2 | 0.00186 | 0.04 | 0.000346 | 5.28 | 0.0261 | 3.78 | 0.00000341 | 0.00495 | 0.00155 | 0.00339 | 0.00716 | 0.00000689 | 3.95 | 0.00000334 | 0.0000434 | 0.0000788 | 0.000314 | 0.0126 |
| 2067 Nov | 24.3 | 0.00341 | 0.0408 | 0.000339 | 4.54 | 0.023 | 3.54 | 0.00000338 | 0.00417 | 0.00157 | 0.00336 | 0.00669 | 0.00000682 | 3.65 | 0.00000207 | 0.0000434 | 0.0000629 | 0.000274 | 0.0117 |
| 2067 Dec | 24.4 | 0.00515 | 0.0356 | 0.000364 | 4.43 | 0.0243 | 3.57 | 0.00000363 | 0.00369 | 0.00137 | 0.00361 | 0.00704 | 0.00000731 | 3.68 | 0.00000214 | 0.0000444 | 0.000061 | 0.000271 | 0.0107 |
| 2068 Jan | 24.6 | 0.00489 | 0.0371 | 0.000357 | 4.5 | 0.0242 | 3.6 | 0.00000356 | 0.00375 | 0.00143 | 0.00355 | 0.00705 | 0.00000719 | 3.71 | 0.00000212 | 0.0000442 | 0.0000615 | 0.000272 | 0.011 |
| 2068 Feb | 23.7 | 0.00617 | 0.0299 | 0.000389 | 4.2 | 0.0247 | 3.49 | 0.00000388 | 0.00345 | 0.00116 | 0.00387 | 0.00702 | 0.00000781 | 3.61 | 0.0000022 | 0.0000455 | 0.000059 | 0.000267 | 0.00966 |
| 2068 Mar | 24 | 0.0104 | 0.0183 | 0.000445 | 4 | 0.0278 | 3.6 | 0.00000444 | 0.00225 | 0.000696 | 0.00444 | 0.00797 | 0.00000891 | 3.74 | 0.00000235 | 0.0000478 | 0.0000545 | 0.000258 | 0.00732 |
| 2068 Apr | 21 | 0.006 | 0.00422 | 0.000493 | 1.7 | 0.0332 | 3.73 | 0.00000493 | 0.0016 | 0.000296 | 0.00493 | 0.00669 | 0.00000986 | 3.01 | 0.00000248 | 0.0000497 | 0.0000506 | 0.000251 | 0.0053 |
| 2068 May | 24 | 0.0075 | 0.0102 | 0.000466 | 3.85 | 0.0287 | 3.64 | 0.00000463 | 0.00258 | 0.00049 | 0.00463 | 0.00779 | 0.00000928 | 3.57 | 0.00000239 | 0.0000483 | 0.0000518 | 0.000253 | 0.00622 |
| 2068 Jun | 29.2 | 0.0076 | 0.0255 | 0.000428 | 5.96 | 0.0315 | 4.16 | 0.0000041 | 0.00255 | 0.00104 | 0.00409 | 0.00919 | 0.00000823 | 4.46 | 0.00000223 | 0.0000465 | 0.0000749 | 0.000264 | 0.00837 |
| 2068 Jul | 18.7 | 0.00252 | 0.00509 | 0.000491 | 3.78 | 0.025 | 2.63 | 0.0000049 | 0.00483 | 0.000304 | 0.0049 | 0.00647 | 0.00000981 | 3.09 | 0.00000247 | 0.0000497 | 0.0000892 | 0.000252 | 0.014 |
| 2068 Aug | 20 | 0.00255 | 0.00827 | 0.000481 | 4.13 | 0.0251 | 2.8 | 0.00000481 | 0.0046 | 0.00043 | 0.0048 | 0.00618 | 0.00000962 | 3.26 | 0.00000245 | 0.0000495 | 0.0000523 | 0.000256 | 0.0132 |
| 2068 Sep | 24.9 | 0.00595 | 0.0332 | 0.000383 | 4.83 | 0.025 | 3.67 | 0.00000385 | 0.00406 | 0.00133 | 0.00384 | 0.00698 | 0.00000776 | 3.81 | 0.00000218 | 0.0000462 | 0.0000614 | 0.000276 | 0.0133 |
| 2068 Oct | 26.8 | 0.00262 | 0.0253 | 0.000415 | 5.53 | 0.0307 | 3.86 | 0.00000417 | 0.00544 | 0.00104 | 0.00416 | 0.00752 | 0.00000838 | 4.11 | 0.0000049 | 0.0000472 | 0.0000918 | 0.000354 | 0.0109 |
| 2068 Nov | 20.3 | 0.00719 | 0.0131 | 0.000459 | 3.3 | 0.0241 | 3.01 | 0.0000046 | 0.00351 | 0.000589 | 0.0046 | 0.00599 | 0.00000922 | 3.13 | 0.00000239 | 0.0000487 | 0.0000539 | 0.000259 | 0.0068 |
| 2068 Dec | 24.4 | 0.00739 | 0.0275 | 0.000407 | 4.26 | 0.0259 | 3.59 | 0.00000409 | 0.00325 | 0.00109 | 0.00408 | 0.00732 | 0.00000823 | 3.71 | 0.00000225 | 0.000047 | 0.0000589 | 0.00027 | 0.00908 |
| 2069 Jan | 25.2 | 0.00661 | 0.0329 | 0.000386 | 4.51 | 0.0257 | 3.7 | 0.00000389 | 0.00345 | 0.00129 | 0.00387 | 0.00741 | 0.00000782 | 3.81 | 0.00000219 | 0.0000463 | 0.000061 | 0.000274 | 0.01 |
| 2069 Feb | 27.2 | 0.00474 | 0.0458 | 0.000334 | 5.12 | 0.0252 | 3.95 | 0.00000338 | 0.00392 | 0.00178 | 0.00336 | 0.00764 | 0.00000684 | 4.06 | 0.00000205 | 0.0000446 | 0.0000659 | 0.000285 | 0.0123 |
| 2069 Mar | 28.4 | 0.00434 | 0.0513 | 0.000313 | 5.44 | 0.0254 | 4.12 | 0.00000318 | 0.00399 | 0.00198 | 0.00315 | 0.00793 | 0.00000644 | 4.23 | 0.00000199 | 0.0000439 | 0.0000679 | 0.00029 | 0.0132 |
| 2069 Apr | 24.3 | 0.00478 | 0.0257 | 0.00041 | 3.29 | 0.0299 | 3.93 | 0.00000412 | 0.00269 | 0.00107 | 0.00411 | 0.00717 | 0.00000829 | 3.53 | 0.00000225 | 0.0000471 | 0.0000586 | 0.000269 | 0.00895 |
| 2069 May | 23.9 | 0.00823 | 0.00508 | 0.00049 | 3.75 | 0.0297 | 3.65 | 0.0000049 | 0.0024 | 0.000314 | 0.0049 | 0.00795 | 0.0000098 | 3.57 | 0.00000247 | 0.0000496 | 0.0000509 | 0.000252 | 0.00544 |
| 2069 Jun | 28.4 | 0.00773 | 0.0204 | 0.000409 | 5.87 | 0.0318 | 4.03 | 0.0000042 | 0.00226 | 0.000814 | 0.00419 | 0.00914 | 0.00000842 | 4.37 | 0.00000223 | 0.000046 | 0.000074 | 0.000254 | 0.00743 |
| 2069 Jul | 18.6 | 0.00251 | 0.00438 | 0.00049 | 3.76 | 0.025 | 2.6 | 0.00000492 | 0.00482 | 0.000273 | 0.00492 | 0.00645 | 0.00000985 | 3.08 | 0.00000248 | 0.0000497 | 0.0000892 | 0.000251 | 0.014 |
| 2069 Aug | 21 | 0.00246 | 0.0149 | 0.000437 | 4.31 | 0.0248 | 2.95 | 0.00000449 | 0.00449 | 0.000633 | 0.00449 | 0.00635 | 0.00000901 | 3.36 | 0.00000234 | 0.000048 | 0.0000542 | 0.000257 | 0.0131 |
| 2069 Sep | 23.3 | 0.00538 | 0.0299 | 0.000363 | 4.54 | 0.0238 | 3.4 | 0.00000379 | 0.00393 | 0.00111 | 0.00378 | 0.00655 | 0.00000762 | 3.57 | 0.0000021 | 0.0000445 | 0.0000572 | 0.000261 | 0.0127 |
| 2069 Oct | 26.3 | 0.00192 | 0.0444 | 0.00031 | 5.29 | 0.025 | 3.73 | 0.00000321 | 0.00464 | 0.00157 | 0.00319 | 0.00713 | 0.00000648 | 3.93 | 0.0000028 | 0.0000421 | 0.0000719 | 0.000297 | 0.0128 |
| 2069 Nov | 23.1 | 0.00455 | 0.0325 | 0.000367 | 4.18 | 0.0232 | 3.32 | 0.00000373 | 0.00386 | 0.00118 | 0.00371 | 0.00645 | 0.0000075 | 3.47 | 0.00000209 | 0.0000445 | 0.0000578 | 0.000264 | 0.0101 |
| 2069 Dec | 23.5 | 0.00659 | 0.0279 | 0.000391 | 4.15 | 0.0248 | 3.42 | 0.00000396 | 0.00328 | 0.00101 | 0.00395 | 0.007 | 0.00000796 | 3.57 | 0.00000217 | 0.0000455 | 0.0000564 | 0.000262 | 0.00915 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Operation (Jan., 2024 to Jun., 2028): Min | 0.00000228 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.00000399 | 0.0000155 | 0.00025 | 0.00131 | 2.18E-16 |
| Operation (Jan., 2024 to Jun., 2028): Average | 0.00000246 | 1 | 0.000778 | 1.4 | 0.0135 | 0.000314 | 0.903 | 0.00167 | 0.00159 | 0.0000402 | 0.000173 | 0.0000457 | 0.0285 | 0.00000506 | 0.0000691 | 0.000339 | 0.00145 | 0.00042 |
| Operation (Jan., 2024 to Jun., 2028): Max | 0.00000255 | 1.53 | 0.00142 | 1.93 | 0.0388 | 0.000893 | 1.34 | 0.00417 | 0.00232 | 0.00022 | 0.000551 | 0.0000944 | 0.0587 | 0.00000624 | 0.000176 | 0.000584 | 0.00159 | 0.00138 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***0.073*** | ***-*** | ***variable*** | ***0.01*** | ***0.001*** | ***-*** | ***0.001*** | ***-*** | ***0.0008*** | ***0.015*** | ***-*** | ***variable*** | ***-*** |
| | | | | | | | | | | | | | | | | | | |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000179 | 0.62 | 0.000496 | 0.932 | 0.000575 | 0.000025 | 0.585 | 0.00025 | 0.001 | 0.000022 | 0.000048 | 0.0000249 | 0.0126 | 0.00000357 | 0.000012 | 0.00018 | 0.00112 | 0.00000266 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000231 | 0.756 | 0.000518 | 1.13 | 0.00263 | 0.0000599 | 0.702 | 0.000641 | 0.00129 | 0.0000651 | 0.0000555 | 0.0000274 | 0.0175 | 0.0000046 | 0.0000208 | 0.000236 | 0.00144 | 0.0000646 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.0000025 | 1.08 | 0.000829 | 1.52 | 0.0214 | 0.000439 | 0.914 | 0.0025 | 0.00202 | 0.000778 | 0.000152 | 0.0000623 | 0.0332 | 0.000005 | 0.0000958 | 0.000322 | 0.00255 | 0.000798 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***0.073*** | ***-*** | ***variable*** | ***0.01*** | ***0.001*** | ***-*** | ***0.001*** | ***-*** | ***0.0008*** | ***0.015*** | ***-*** | ***variable*** | ***-*** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000167 | 0.625 | 0.0005 | 0.932 | 0.000575 | 0.000025 | 0.56 | 0.000413 | 0.001 | 0.0000205 | 0.00005 | 0.000025 | 0.0126 | 0.00000308 | 0.0000155 | 0.000169 | 0.000983 | 0.0000037 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000221 | 0.781 | 0.000591 | 1.12 | 0.00442 | 0.000127 | 0.675 | 0.000934 | 0.00139 | 0.0000482 | 0.0000586 | 0.0000291 | 0.0198 | 0.00000421 | 0.0000337 | 0.000219 | 0.0013 | 0.0000336 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.0000025 | 1.02 | 0.000832 | 1.49 | 0.011 | 0.000315 | 0.885 | 0.00179 | 0.00198 | 0.000485 | 0.000083 | 0.0000424 | 0.032 | 0.000005 | 0.0000609 | 0.00025 | 0.00191 | 0.0000984 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***0.073*** | ***-*** | ***variable*** | ***0.01*** | ***0.001*** | ***-*** | ***0.001*** | ***-*** | ***0.0008*** | ***0.015*** | ***-*** | ***variable*** | ***-*** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jan 2024-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2024 Jan | 0.00000246 | 0.914 | 0.000693 | 1.27 | 0.00788 | 0.000154 | 0.859 | 0.000908 | 0.00142 | 0.0000287 | 0.000177 | 0.0000322 | 0.0237 | 0.00000556 | 0.0000434 | 0.00032 | 0.0015 | |
| 2024 Feb | 0.00000246 | 0.901 | 0.00068 | 1.26 | 0.00738 | 0.000146 | 0.848 | 0.000879 | 0.00141 | 0.0000284 | 0.000169 | 0.0000317 | 0.0231 | 0.00000552 | 0.0000414 | 0.000315 | 0.0015 | |
| 2024 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2024 Apr | 0.0000025 | 0.771 | 0.000506 | 1.08 | 0.000811 | 0.0000293 | 0.744 | 0.000698 | 0.0013 | 0.0000251 | 0.0000542 | 0.0000252 | 0.0129 | 0.00000502 | 0.0000165 | 0.000252 | 0.0015 | 2.18E-16 |
| 2024 May | 0.00000246 | 0.872 | 0.00059 | 1.29 | 0.00389 | 0.0000909 | 0.85 | 0.000861 | 0.00106 | 0.0000267 | 0.000109 | 0.000028 | 0.021 | 0.00000519 | 0.0000294 | 0.000283 | 0.00149 | 0.000000357 |
| 2024 Jun | 0.00000232 | 1.28 | 0.000965 | 1.64 | 0.0163 | 0.000386 | 1.16 | 0.00156 | 0.00183 | 0.0000317 | 0.000331 | 0.0000397 | 0.0412 | 0.00000573 | 0.0000882 | 0.000419 | 0.00144 | 0.0000416 |
| 2024 Jul | 0.00000244 | 1.09 | 0.00098 | 1.4 | 0.0172 | 0.000392 | 0.998 | 0.00156 | 0.00135 | 0.0000315 | 0.00032 | 0.0000411 | 0.0371 | 0.00000584 | 0.00009 | 0.000426 | 0.0015 | 0.0000725 |
| 2024 Aug | 0.00000248 | 1.11 | 0.000989 | 1.37 | 0.0166 | 0.000405 | 0.994 | 0.00145 | 0.00137 | 0.0000315 | 0.000317 | 0.0000421 | 0.0379 | 0.00000588 | 0.0000917 | 0.000429 | 0.00152 | 0.0000925 |
| 2024 Sep | 0.00000239 | 1.27 | 0.00117 | 1.55 | 0.0234 | 0.000582 | 1.13 | 0.00198 | 0.00151 | 0.0000326 | 0.000414 | 0.000054 | 0.0465 | 0.00000594 | 0.000124 | 0.000492 | 0.00146 | 0.000213 |
| 2024 Oct | 0.00000237 | 1.53 | 0.00142 | 1.81 | 0.0325 | 0.000815 | 1.34 | 0.00284 | 0.00172 | 0.000139 | 0.000551 | 0.0000644 | 0.0587 | 0.00000624 | 0.000168 | 0.000584 | 0.00159 | 0.000359 |
| 2024 Nov | 0.00000246 | 1.04 | 0.000939 | 1.36 | 0.016 | 0.000407 | 0.947 | 0.00151 | 0.00184 | 0.0000322 | 0.000283 | 0.0000448 | 0.0341 | 0.00000559 | 0.0000864 | 0.000409 | 0.00148 | 0.000195 |
| 2024 Dec | 0.00000248 | 0.966 | 0.000773 | 1.34 | 0.0102 | 0.000264 | 0.894 | 0.00122 | 0.00145 | 0.0000298 | 0.000194 | 0.0000376 | 0.0275 | 0.00000537 | 0.0000597 | 0.000349 | 0.00149 | 0.000128 |
| 2025 Jan | 0.00000248 | 0.972 | 0.00078 | 1.35 | 0.0105 | 0.00027 | 0.899 | 0.00125 | 0.00146 | 0.0000301 | 0.000197 | 0.0000381 | 0.0278 | 0.00000538 | 0.0000609 | 0.000352 | 0.00149 | 0.000134 |
| 2025 Feb | 0.00000249 | 0.938 | 0.00074 | 1.32 | 0.00909 | 0.000236 | 0.872 | 0.00114 | 0.00144 | 0.0000294 | 0.000176 | 0.0000363 | 0.026 | 0.00000533 | 0.0000542 | 0.000337 | 0.0015 | 0.000149 |
| 2025 Mar | 0.00000249 | 1.04 | 0.000755 | 1.45 | 0.00962 | 0.000249 | 0.961 | 0.00137 | 0.0016 | 0.0000298 | 0.000184 | 0.0000371 | 0.0281 | 0.00000535 | 0.0000581 | 0.000343 | 0.0015 | 0.000127 |
| 2025 Apr | 0.00000249 | 0.938 | 0.000706 | 1.24 | 0.00783 | 0.000207 | 0.877 | 0.00122 | 0.00142 | 0.0000289 | 0.000158 | 0.0000349 | 0.0225 | 0.00000528 | 0.00005 | 0.000325 | 0.0015 | 0.000164 |
| 2025 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2025 Jun | 0.00000239 | 1.16 | 0.000737 | 1.64 | 0.0104 | 0.00027 | 1.04 | 0.0015 | 0.00204 | 0.0000285 | 0.000177 | 0.0000393 | 0.0329 | 0.00000505 | 0.0000605 | 0.000332 | 0.00142 | 0.000258 |
| 2025 Jul | 0.00000246 | 1.07 | 0.000916 | 1.45 | 0.0191 | 0.00044 | 0.95 | 0.00208 | 0.00157 | 0.0000306 | 0.000252 | 0.0000525 | 0.0349 | 0.00000524 | 0.0000951 | 0.000395 | 0.00143 | 0.000447 |
| 2025 Aug | 0.00000252 | 1.05 | 0.000879 | 1.36 | 0.0168 | 0.0004 | 0.907 | 0.00177 | 0.00151 | 0.0000303 | 0.000227 | 0.0000503 | 0.0332 | 0.00000531 | 0.0000873 | 0.000382 | 0.00147 | 0.00041 |
| 2025 Sep | 0.00000241 | 1.11 | 0.00097 | 1.47 | 0.0222 | 0.000527 | 0.968 | 0.00227 | 0.00161 | 0.0000303 | 0.00027 | 0.0000627 | 0.0377 | 0.00000508 | 0.000109 | 0.000407 | 0.00137 | 0.000597 |
| 2025 Oct | 0.00000237 | 1.33 | 0.00114 | 1.73 | 0.0309 | 0.000744 | 1.12 | 0.00337 | 0.00184 | 0.00022 | 0.000351 | 0.0000763 | 0.0464 | 0.00000499 | 0.000146 | 0.000461 | 0.00156 | 0.0009 |
| 2025 Nov | 0.00000245 | 1.07 | 0.000932 | 1.45 | 0.021 | 0.000512 | 0.931 | 0.00234 | 0.00197 | 0.0000481 | 0.000244 | 0.0000604 | 0.0341 | 0.00000502 | 0.000102 | 0.000392 | 0.00141 | 0.000622 |
| 2025 Dec | 0.00000248 | 0.925 | 0.000714 | 1.33 | 0.0107 | 0.000266 | 0.843 | 0.00147 | 0.00152 | 0.0000368 | 0.000145 | 0.0000427 | 0.0248 | 0.00000502 | 0.0000577 | 0.000321 | 0.00146 | 0.00031 |
| 2026 Jan | 0.00000248 | 0.931 | 0.00072 | 1.34 | 0.011 | 0.000273 | 0.848 | 0.0015 | 0.00152 | 0.0000372 | 0.000147 | 0.0000432 | 0.0251 | 0.00000503 | 0.0000589 | 0.000323 | 0.00146 | 0.00032 |
| 2026 Feb | 0.00000249 | 0.939 | 0.000728 | 1.35 | 0.0113 | 0.000282 | 0.854 | 0.00154 | 0.00153 | 0.0000376 | 0.00015 | 0.000044 | 0.0255 | 0.00000503 | 0.0000605 | 0.000325 | 0.00146 | 0.000333 |
| 2026 Mar | 0.00000249 | 0.96 | 0.00065 | 1.41 | 0.00766 | 0.000194 | 0.887 | 0.00137 | 0.00162 | 0.0000333 | 0.000116 | 0.0000375 | 0.0234 | 0.00000502 | 0.0000459 | 0.0003 | 0.00147 | 0.000308 |
| 2026 Apr | 0.0000025 | 0.839 | 0.000584 | 1.16 | 0.00447 | 0.000119 | 0.791 | 0.00106 | 0.00139 | 0.0000296 | 0.0000865 | 0.000032 | 0.0166 | 0.00000502 | 0.0000324 | 0.000278 | 0.00149 | 0.000261 |
| 2026 May | 0.0000025 | 0.816 | 0.000519 | 1.27 | 0.00148 | 0.000046 | 0.804 | 0.000774 | 0.00103 | 0.000026 | 0.000058 | 0.0000266 | 0.0179 | 0.000005 | 0.0000193 | 0.000256 | 0.0015 | 0.000285 |
| 2026 Jun | 0.00000233 | 1.17 | 0.0008 | 1.65 | 0.0163 | 0.000398 | 1.02 | 0.00217 | 0.00208 | 0.0000318 | 0.000177 | 0.0000523 | 0.0344 | 0.00000465 | 0.0000818 | 0.000337 | 0.00133 | 0.000548 |
| 2026 Jul | 0.00000245 | 1.02 | 0.000871 | 1.44 | 0.0199 | 0.000445 | 0.892 | 0.00234 | 0.00164 | 0.0000308 | 0.00019 | 0.0000577 | 0.0323 | 0.00000484 | 0.0000935 | 0.00036 | 0.00137 | 0.000652 |
| 2026 Aug | 0.00000248 | 1.07 | 0.000903 | 1.43 | 0.0206 | 0.000477 | 0.904 | 0.00231 | 0.00169 | 0.0000308 | 0.000197 | 0.0000604 | 0.0339 | 0.00000489 | 0.0000994 | 0.000369 | 0.00139 | 0.000704 |
| 2026 Sep | 0.00000248 | 1.2 | 0.00104 | 1.62 | 0.0272 | 0.000627 | 1.02 | 0.00292 | 0.00192 | 0.0000324 | 0.000245 | 0.0000756 | 0.0403 | 0.00000484 | 0.000127 | 0.00041 | 0.00135 | 0.000954 |
| 2026 Oct | 0.00000248 | 1.47 | 0.00128 | 1.93 | 0.0388 | 0.000893 | 1.2 | 0.00417 | 0.00232 | 0.000139 | 0.000334 | 0.0000944 | 0.0514 | 0.00000478 | 0.000176 | 0.00048 | 0.00143 | 0.00138 |
| 2026 Nov | 0.0000025 | 0.911 | 0.000776 | 1.3 | 0.0143 | 0.000334 | 0.809 | 0.00163 | 0.00203 | 0.0000288 | 0.000149 | 0.0000498 | 0.0262 | 0.00000492 | 0.0000701 | 0.000332 | 0.00143 | 0.000492 |
| 2026 Dec | 0.0000025 | 0.912 | 0.000696 | 1.33 | 0.0103 | 0.000244 | 0.828 | 0.00141 | 0.00157 | 0.0000277 | 0.00012 | 0.0000426 | 0.0238 | 0.00000495 | 0.0000545 | 0.000308 | 0.00145 | 0.000349 |
| 2027 Jan | 0.0000025 | 0.888 | 0.00067 | 1.3 | 0.00902 | 0.000215 | 0.812 | 0.00129 | 0.00153 | 0.0000273 | 0.000111 | 0.0000403 | 0.0226 | 0.00000495 | 0.0000491 | 0.0003 | 0.00145 | 0.000303 |
| 2027 Feb | 0.0000025 | 0.892 | 0.000674 | 1.31 | 0.00924 | 0.00022 | 0.815 | 0.00131 | 0.00154 | 0.0000274 | 0.000112 | 0.0000407 | 0.0228 | 0.00000495 | 0.0000501 | 0.000302 | 0.00145 | 0.000311 |
| 2027 Mar | 0.0000025 | 0.881 | 0.000551 | 1.33 | 0.00315 | 0.0000817 | 0.832 | 0.000939 | 0.00156 | 0.0000257 | 0.000068 | 0.0000296 | 0.019 | 0.00000499 | 0.0000259 | 0.000265 | 0.00149 | 0.000311 |
| 2027 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2027 May | 0.0000025 | 0.844 | 0.000552 | 1.3 | 0.00324 | 0.0000852 | 0.82 | 0.000939 | 0.00109 | 0.0000257 | 0.0000686 | 0.0000299 | 0.0193 | 0.00000498 | 0.0000265 | 0.000265 | 0.00148 | 0.000428 |
| 2027 Jun | 0.00000237 | 1.17 | 0.000767 | 1.67 | 0.0171 | 0.000369 | 1.01 | 0.00218 | 0.00216 | 0.0000276 | 0.000144 | 0.000054 | 0.0332 | 0.00000453 | 0.0000788 | 0.000322 | 0.00132 | 0.000601 |
| 2027 Jul | 0.00000254 | 1.15 | 0.000968 | 1.6 | 0.0289 | 0.000558 | 0.952 | 0.00305 | 0.00192 | 0.0000309 | 0.000191 | 0.0000733 | 0.0362 | 0.00000468 | 0.000118 | 0.000379 | 0.00135 | 0.000951 |
| 2027 Aug | 0.00000255 | 1.07 | 0.000892 | 1.45 | 0.0238 | 0.000474 | 0.884 | 0.00252 | 0.00176 | 0.00003 | 0.000165 | 0.0000651 | 0.033 | 0.00000476 | 0.000101 | 0.000357 | 0.00139 | 0.000783 |
| 2027 Sep | 0.00000245 | 0.942 | 0.000787 | 1.35 | 0.0188 | 0.000377 | 0.812 | 0.00201 | 0.00154 | 0.0000279 | 0.000137 | 0.0000602 | 0.0289 | 0.00000462 | 0.0000804 | 0.000323 | 0.00135 | 0.00061 |
| 2027 Oct | 0.00000228 | 1.21 | 0.00101 | 1.67 | 0.0348 | 0.000707 | 0.964 | 0.00384 | 0.00196 | 0.000176 | 0.000214 | 0.0000846 | 0.0397 | 0.00000399 | 0.000138 | 0.000374 | 0.00135 | 0.00117 |
| 2027 Nov | 0.0000024 | 0.956 | 0.000813 | 1.38 | 0.0213 | 0.00044 | 0.813 | 0.00241 | 0.00201 | 0.0000349 | 0.000145 | 0.0000616 | 0.0283 | 0.00000444 | 0.0000878 | 0.000328 | 0.00131 | 0.00071 |
| 2027 Dec | 0.00000246 | 0.885 | 0.00067 | 1.32 | 0.0118 | 0.000249 | 0.794 | 0.00159 | 0.00155 | 0.0000306 | 0.000101 | 0.0000449 | 0.0227 | 0.00000472 | 0.0000542 | 0.000293 | 0.0014 | 0.000383 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2028 Jan | 0.00000246 | 0.871 | 0.000654 | 1.3 | 0.0107 | 0.000228 | 0.786 | 0.00149 | 0.00152 | 0.0000301 | 0.0000962 | 0.000043 | 0.0219 | 0.00000475 | 0.0000503 | 0.000289 | 0.00142 | 0.000347 |
| 2028 Feb | 0.00000247 | 0.864 | 0.000646 | 1.29 | 0.0102 | 0.000217 | 0.783 | 0.00144 | 0.00151 | 0.0000299 | 0.0000938 | 0.0000421 | 0.0216 | 0.00000476 | 0.0000484 | 0.000287 | 0.00142 | 0.000353 |
| 2028 Mar | 0.00000248 | 0.915 | 0.000598 | 1.37 | 0.00703 | 0.000154 | 0.844 | 0.00132 | 0.00162 | 0.0000283 | 0.0000793 | 0.0000365 | 0.021 | 0.00000484 | 0.0000385 | 0.000275 | 0.00145 | 0.000311 |
| 2028 Apr | 0.0000025 | 0.785 | 0.000523 | 1.1 | 0.00205 | 0.0000548 | 0.751 | 0.000827 | 0.00133 | 0.0000258 | 0.0000568 | 0.0000277 | 0.0137 | 0.00000496 | 0.0000208 | 0.000256 | 0.00149 | 0.000306 |
| 2028 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2028 Jun | 0.00000234 | 1.1 | 0.000686 | 1.61 | 0.0136 | 0.000291 | 0.956 | 0.00194 | 0.00212 | 0.0000277 | 0.000106 | 0.000048 | 0.03 | 0.00000439 | 0.0000634 | 0.000289 | 0.00131 | 0.000503 |
| 2028 Jul | 0.00000246 | 0.785 | 0.000643 | 1.19 | 0.0108 | 0.000201 | 0.708 | 0.00148 | 0.00132 | 0.0000266 | 0.0000879 | 0.000041 | 0.0216 | 0.00000472 | 0.0000502 | 0.000284 | 0.00141 | 0.000522 |
| 2028 Aug | 0.00000249 | 0.737 | 0.000579 | 1.04 | 0.0059 | 0.000126 | 0.651 | 0.000857 | 0.00117 | 0.000026 | 0.0000703 | 0.0000336 | 0.0193 | 0.00000488 | 0.0000354 | 0.000269 | 0.00146 | 0.000277 |
| 2028 Sep | 0.00000248 | 0.79 | 0.000637 | 1.18 | 0.00906 | 0.000188 | 0.715 | 0.00107 | 0.0013 | 0.0000265 | 0.0000853 | 0.0000455 | 0.0224 | 0.00000477 | 0.0000471 | 0.000283 | 0.00142 | 0.000409 |
| 2028 Oct | 0.00000235 | 1.08 | 0.000829 | 1.51 | 0.0214 | 0.000439 | 0.877 | 0.0025 | 0.0017 | 0.000351 | 0.000152 | 0.0000623 | 0.0332 | 0.0000042 | 0.0000958 | 0.000322 | 0.00169 | 0.000798 |
| 2028 Nov | 0.00000237 | 0.897 | 0.000755 | 1.28 | 0.0168 | 0.000349 | 0.766 | 0.00187 | 0.00197 | 0.0000324 | 0.000118 | 0.000054 | 0.026 | 0.00000434 | 0.0000764 | 0.000305 | 0.0013 | 0.000624 |
| 2028 Dec | 0.00000242 | 0.861 | 0.000648 | 1.27 | 0.01 | 0.000213 | 0.772 | 0.00136 | 0.00153 | 0.0000294 | 0.0000896 | 0.0000419 | 0.0219 | 0.00000462 | 0.0000507 | 0.000282 | 0.00138 | 0.000363 |
| 2029 Jan | 0.00000243 | 0.849 | 0.000634 | 1.25 | 0.00916 | 0.000195 | 0.766 | 0.00128 | 0.00151 | 0.000029 | 0.0000859 | 0.0000403 | 0.0213 | 0.00000465 | 0.0000473 | 0.000279 | 0.00139 | 0.000329 |
| 2029 Feb | 0.00000243 | 0.848 | 0.000633 | 1.25 | 0.00909 | 0.000194 | 0.765 | 0.00127 | 0.00151 | 0.000029 | 0.0000856 | 0.0000402 | 0.0212 | 0.00000465 | 0.000047 | 0.000279 | 0.00139 | 0.000326 |
| 2029 Mar | 0.00000245 | 0.909 | 0.0006 | 1.35 | 0.00698 | 0.000152 | 0.832 | 0.00126 | 0.00162 | 0.000028 | 0.0000767 | 0.0000364 | 0.0212 | 0.00000474 | 0.0000401 | 0.000272 | 0.00142 | 0.000292 |
| 2029 Apr | 0.00000248 | 0.8 | 0.000543 | 1.12 | 0.00329 | 0.0000794 | 0.756 | 0.000923 | 0.00137 | 0.0000263 | 0.0000615 | 0.0000299 | 0.0148 | 0.00000489 | 0.0000261 | 0.000259 | 0.00147 | 0.000315 |
| 2029 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2029 Jun | 0.00000237 | 1.01 | 0.000531 | 1.52 | 0.00369 | 0.000089 | 0.914 | 0.000972 | 0.00202 | 0.000027 | 0.0000615 | 0.0000298 | 0.0245 | 0.00000465 | 0.0000266 | 0.00025 | 0.0014 | 0.000187 |
| 2029 Jul | 0.00000238 | 0.655 | 0.000519 | 1.03 | 0.00452 | 0.0000704 | 0.62 | 0.000845 | 0.00109 | 0.0000255 | 0.0000575 | 0.0000282 | 0.0163 | 0.0000047 | 0.0000247 | 0.000247 | 0.00141 | 0.000111 |
| 2029 Aug | 0.00000241 | 0.673 | 0.000517 | 0.959 | 0.00302 | 0.0000675 | 0.606 | 0.000564 | 0.00106 | 0.0000252 | 0.0000559 | 0.0000275 | 0.0168 | 0.00000478 | 0.0000237 | 0.000248 | 0.00143 | 0.000106 |
| 2029 Sep | 0.00000217 | 0.722 | 0.000561 | 1.07 | 0.00734 | 0.000153 | 0.65 | 0.000905 | 0.00121 | 0.0000248 | 0.0000713 | 0.0000381 | 0.0202 | 0.00000418 | 0.000039 | 0.000243 | 0.00125 | 0.000239 |
| 2029 Oct | 0.00000233 | 0.853 | 0.000531 | 1.27 | 0.00414 | 0.0000892 | 0.732 | 0.000901 | 0.0011 | 0.00062 | 0.0000883 | 0.0000296 | 0.0221 | 0.00000459 | 0.0000273 | 0.000246 | 0.00221 | 0.000168 |
| 2029 Nov | 0.00000238 | 0.651 | 0.000522 | 1 | 0.00297 | 0.00007 | 0.615 | 0.000479 | 0.00175 | 0.000025 | 0.0000575 | 0.0000282 | 0.0148 | 0.00000471 | 0.0000208 | 0.000247 | 0.00141 | 0.0000928 |
| 2029 Dec | 0.00000234 | 0.75 | 0.00053 | 1.14 | 0.00382 | 0.0000872 | 0.7 | 0.00075 | 0.00134 | 0.000025 | 0.0000603 | 0.0000295 | 0.017 | 0.0000046 | 0.0000256 | 0.000246 | 0.00138 | 0.000116 |
| 2030 Jan | 0.00000231 | 0.753 | 0.000534 | 1.14 | 0.00431 | 0.0000968 | 0.699 | 0.000792 | 0.00134 | 0.000025 | 0.0000619 | 0.0000301 | 0.0174 | 0.00000454 | 0.0000274 | 0.000246 | 0.00136 | 0.000133 |
| 2030 Feb | 0.00000238 | 0.745 | 0.000522 | 1.14 | 0.00295 | 0.0000698 | 0.701 | 0.000674 | 0.00133 | 0.000025 | 0.0000574 | 0.0000282 | 0.0164 | 0.00000471 | 0.0000223 | 0.000247 | 0.00141 | 0.000129 |
| 2030 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2030 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2030 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2030 Jun | 0.00000226 | 0.96 | 0.000512 | 1.45 | 0.00332 | 0.0000805 | 0.873 | 0.000893 | 0.00191 | 0.0000239 | 0.0000575 | 0.0000282 | 0.0234 | 0.00000446 | 0.0000245 | 0.000237 | 0.00134 | 0.000102 |
| 2030 Jul | 0.0000023 | 0.651 | 0.000511 | 1.02 | 0.00443 | 0.0000703 | 0.613 | 0.000817 | 0.00108 | 0.0000238 | 0.000056 | 0.0000276 | 0.0163 | 0.00000455 | 0.0000242 | 0.000239 | 0.00136 | 0.0000867 |
| 2030 Aug | 0.00000233 | 0.675 | 0.000515 | 0.959 | 0.00341 | 0.0000752 | 0.604 | 0.000592 | 0.00108 | 0.0000239 | 0.000056 | 0.0000276 | 0.0171 | 0.00000461 | 0.0000248 | 0.000241 | 0.00138 | 0.0000782 |
| 2030 Sep | 0.00000227 | 0.677 | 0.000523 | 1.03 | 0.00399 | 0.000085 | 0.63 | 0.000553 | 0.0011 | 0.0000236 | 0.0000585 | 0.0000338 | 0.0181 | 0.00000448 | 0.000026 | 0.000239 | 0.00134 | 0.000105 |
| 2030 Oct | 0.00000217 | 0.824 | 0.000528 | 1.21 | 0.00502 | 0.000106 | 0.703 | 0.000921 | 0.00111 | 0.000519 | 0.0000842 | 0.0000299 | 0.0218 | 0.00000425 | 0.0000299 | 0.000232 | 0.00196 | 0.000157 |
| 2030 Nov | 0.00000195 | 0.696 | 0.000545 | 1.01 | 0.00749 | 0.000158 | 0.612 | 0.000909 | 0.00151 | 0.000043 | 0.000069 | 0.000033 | 0.0186 | 0.00000375 | 0.0000375 | 0.00022 | 0.00115 | 0.00023 |
| 2030 Dec | 0.00000221 | 0.737 | 0.000524 | 1.1 | 0.00428 | 0.0000953 | 0.678 | 0.000758 | 0.0013 | 0.0000347 | 0.0000601 | 0.0000292 | 0.0173 | 0.00000434 | 0.0000267 | 0.000234 | 0.00132 | 0.000122 |
| 2031 Jan | 0.00000227 | 0.735 | 0.000519 | 1.11 | 0.00358 | 0.0000816 | 0.683 | 0.000704 | 0.0013 | 0.0000329 | 0.0000581 | 0.0000284 | 0.0168 | 0.00000447 | 0.0000242 | 0.000237 | 0.00135 | 0.0000981 |
| 2031 Feb | 0.00000227 | 0.735 | 0.000519 | 1.11 | 0.00353 | 0.0000806 | 0.684 | 0.0007 | 0.0013 | 0.0000327 | 0.000058 | 0.0000284 | 0.0168 | 0.00000448 | 0.000024 | 0.000238 | 0.00136 | 0.0000964 |
| 2031 Mar | 0.00000235 | 0.826 | 0.000512 | 1.25 | 0.0025 | 0.0000608 | 0.776 | 0.000816 | 0.00147 | 0.00003 | 0.0000551 | 0.0000272 | 0.0177 | 0.00000466 | 0.0000218 | 0.000242 | 0.00141 | 0.0000962 |
| 2031 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2031 May | 0.00000244 | 0.796 | 0.000505 | 1.23 | 0.00138 | 0.00004 | 0.781 | 0.000735 | 0.00102 | 0.0000278 | 0.0000521 | 0.0000259 | 0.0174 | 0.00000486 | 0.0000181 | 0.000246 | 0.00146 | 0.0000798 |
| 2031 Jun | 0.00000229 | 0.962 | 0.000504 | 1.45 | 0.00242 | 0.0000626 | 0.878 | 0.000816 | 0.00189 | 0.0000306 | 0.0000544 | 0.0000268 | 0.0231 | 0.00000454 | 0.0000211 | 0.000236 | 0.00137 | 0.0000682 |
| 2031 Jul | 0.0000025 | 0.62 | 0.0005 | 1.01 | 0.00253 | 0.0000252 | 0.605 | 0.00067 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0147 | 0.000005 | 0.0000165 | 0.00025 | 0.0015 | 0.00000889 |
| 2031 Aug | 0.00000236 | 0.667 | 0.000511 | 0.949 | 0.00279 | 0.000063 | 0.6 | 0.000531 | 0.00104 | 0.0000281 | 0.0000541 | 0.0000268 | 0.0167 | 0.0000047 | 0.0000225 | 0.000242 | 0.00141 | 0.0000779 |
| 2031 Sep | 0.00000211 | 0.676 | 0.000523 | 1.01 | 0.00489 | 0.000104 | 0.616 | 0.000628 | 0.00107 | 0.0000287 | 0.0000595 | 0.0000334 | 0.0184 | 0.00000414 | 0.0000289 | 0.000225 | 0.00125 | 0.000128 |
| 2031 Oct | 0.00000195 | 0.777 | 0.000527 | 1.12 | 0.00617 | 0.00013 | 0.658 | 0.000927 | 0.00108 | 0.000378 | 0.0000785 | 0.0000307 | 0.0212 | 0.00000379 | 0.0000335 | 0.000213 | 0.00163 | 0.000169 |
| 2031 Nov | 0.00000206 | 0.66 | 0.000522 | 0.976 | 0.005 | 0.00011 | 0.596 | 0.000644 | 0.00151 | 0.0000389 | 0.0000603 | 0.0000296 | 0.0167 | 0.00000403 | 0.000028 | 0.000221 | 0.00123 | 0.000136 |
| 2031 Dec | 0.00000224 | 0.725 | 0.000514 | 1.09 | 0.00328 | 0.0000758 | 0.673 | 0.000656 | 0.00126 | 0.0000334 | 0.0000562 | 0.0000278 | 0.0166 | 0.00000442 | 0.000023 | 0.000232 | 0.00134 | 0.0000816 |
| 2032 Jan | 0.00000226 | 0.725 | 0.000512 | 1.1 | 0.00307 | 0.0000718 | 0.676 | 0.000642 | 0.00126 | 0.0000328 | 0.0000557 | 0.0000275 | 0.0164 | 0.00000446 | 0.0000222 | 0.000234 | 0.00135 | 0.0000752 |
| 2032 Feb | 0.00000226 | 0.725 | 0.000512 | 1.1 | 0.00306 | 0.0000715 | 0.676 | 0.000641 | 0.00126 | 0.0000327 | 0.0000557 | 0.0000275 | 0.0164 | 0.00000447 | 0.0000222 | 0.000234 | 0.00135 | 0.0000746 |
| 2032 Mar | 0.00000234 | 0.819 | 0.000508 | 1.24 | 0.00222 | 0.0000555 | 0.771 | 0.000779 | 0.00144 | 0.0000301 | 0.0000537 | 0.0000267 | 0.0175 | 0.00000465 | 0.0000207 | 0.000239 | 0.0014 | 0.0000632 |
| 2032 Apr | 0.00000249 | 0.765 | 0.0005 | 1.07 | 0.000649 | 0.0000264 | 0.738 | 0.000688 | 0.0013 | 0.0000252 | 0.0000502 | 0.0000251 | 0.0126 | 0.00000498 | 0.0000157 | 0.00025 | 0.0015 | 0.0000693 |
| 2032 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2032 Jun | 0.00000224 | 0.957 | 0.000501 | 1.44 | 0.00238 | 0.0000617 | 0.871 | 0.00079 | 0.0019 | 0.0000293 | 0.0000532 | 0.0000264 | 0.0232 | 0.00000445 | 0.0000207 | 0.000231 | 0.00134 | 0.0000634 |
| 2032 Jul | 0.00000227 | 0.654 | 0.000511 | 1.02 | 0.0041 | 0.0000641 | 0.613 | 0.000763 | 0.00108 | 0.000026 | 0.000054 | 0.0000269 | 0.0165 | 0.0000045 | 0.0000227 | 0.000233 | 0.00135 | 0.0000579 |
| 2032 Aug | 0.0000023 | 0.682 | 0.000518 | 0.965 | 0.00326 | 0.0000724 | 0.607 | 0.000556 | 0.00108 | 0.0000255 | 0.0000546 | 0.0000273 | 0.0174 | 0.00000455 | 0.0000239 | 0.000236 | 0.00137 | 0.0000587 |
| 2032 Sep | 0.00000231 | 0.673 | 0.000519 | 1.03 | 0.00293 | 0.0000636 | 0.631 | 0.000426 | 0.00108 | 0.0000252 | 0.0000546 | 0.0000328 | 0.0179 | 0.00000459 | 0.0000219 | 0.000237 | 0.00138 | 0.0000597 |
| 2032 Oct | 0.00000212 | 0.841 | 0.00054 | 1.23 | 0.00485 | 0.000103 | 0.713 | 0.000859 | 0.00115 | 0.000494 | 0.0000811 | 0.0000297 | 0.0224 | 0.00000417 | 0.0000289 | 0.000224 | 0.00191 | 0.00014 |
| 2032 Nov | 0.00000236 | 0.647 | 0.000515 | 0.997 | 0.00218 | 0.000054 | 0.612 | 0.000381 | 0.00174 | 0.0000258 | 0.0000535 | 0.0000267 | 0.0146 | 0.00000469 | 0.0000174 | 0.000241 | 0.00141 | 0.0000417 |
| 2032 Dec | 0.0000023 | 0.747 | 0.000522 | 1.13 | 0.00285 | 0.0000674 | 0.696 | 0.000625 | 0.00132 | 0.0000261 | 0.0000551 | 0.0000276 | 0.0168 | 0.00000455 | 0.0000214 | 0.000236 | 0.00137 | 0.0000609 |
| 2033 Jan | 0.00000228 | 0.748 | 0.000524 | 1.13 | 0.00304 | 0.0000712 | 0.695 | 0.000638 | 0.00132 | 0.0000262 | 0.0000556 | 0.0000278 | 0.017 | 0.00000452 | 0.0000221 | 0.000235 | 0.00136 | 0.0000663 |
| 2033 Feb | 0.00000227 | 0.749 | 0.000525 | 1.13 | 0.00317 | 0.0000736 | 0.694 | 0.000646 | 0.00132 | 0.0000263 | 0.0000559 | 0.0000279 | 0.0171 | 0.00000449 | 0.0000225 | 0.000234 | 0.00135 | 0.0000699 |
| 2033 Mar | 0.00000239 | 0.837 | 0.000512 | 1.27 | 0.00189 | 0.0000489 | 0.789 | 0.000765 | 0.00149 | 0.0000256 | 0.0000529 | 0.0000264 | 0.0176 | 0.00000475 | 0.0000196 | 0.000242 | 0.00143 | 0.0000708 |
| 2033 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2033 May | 0.00000236 | 0.791 | 0.000507 | 1.22 | 0.00179 | 0.0000478 | 0.769 | 0.000736 | 0.00102 | 0.0000258 | 0.0000523 | 0.0000261 | 0.0177 | 0.00000471 | 0.0000193 | 0.00024 | 0.00141 | 0.0000593 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2033 Jun | 0.00000223 | 0.948 | 0.000503 | 1.43 | 0.00229 | 0.0000597 | 0.865 | 0.000771 | 0.00184 | 0.0000242 | 0.0000523 | 0.0000263 | 0.0229 | 0.00000444 | 0.0000202 | 0.000229 | 0.00133 | 0.0000532 |
| 2033 Jul | 0.00000242 | 0.629 | 0.000504 | 1.01 | 0.003 | 0.0000371 | 0.606 | 0.000694 | 0.00101 | 0.0000247 | 0.0000511 | 0.0000256 | 0.0152 | 0.00000484 | 0.0000184 | 0.000244 | 0.00145 | 0.0000313 |
| 2033 Aug | 0.00000245 | 0.657 | 0.000505 | 0.937 | 0.00178 | 0.0000426 | 0.596 | 0.000434 | 0.00101 | 0.0000248 | 0.000051 | 0.0000255 | 0.016 | 0.00000489 | 0.0000189 | 0.000246 | 0.00147 | 0.0000539 |
| 2033 Sep | 0.00000206 | 0.686 | 0.000533 | 1.01 | 0.0047 | 0.0000992 | 0.62 | 0.00057 | 0.00107 | 0.0000226 | 0.000057 | 0.0000329 | 0.0189 | 0.00000405 | 0.0000276 | 0.000216 | 0.00122 | 0.0000969 |
| 2033 Oct | 0.00000192 | 0.786 | 0.000534 | 1.13 | 0.00547 | 0.000115 | 0.662 | 0.000816 | 0.00106 | 0.00039 | 0.0000749 | 0.0000296 | 0.0215 | 0.00000377 | 0.0000302 | 0.000205 | 0.00164 | 0.000116 |
| 2033 Nov | 0.00000186 | 0.679 | 0.000536 | 0.976 | 0.00576 | 0.000123 | 0.594 | 0.000657 | 0.00138 | 0.0000561 | 0.0000599 | 0.0000299 | 0.0182 | 0.00000364 | 0.0000299 | 0.0002 | 0.00114 | 0.000126 |
| 2033 Dec | 0.00000217 | 0.727 | 0.000519 | 1.09 | 0.00331 | 0.0000755 | 0.669 | 0.00062 | 0.00124 | 0.0000413 | 0.0000551 | 0.0000276 | 0.017 | 0.0000043 | 0.0000225 | 0.000224 | 0.00132 | 0.0000649 |
| 2034 Jan | 0.00000223 | 0.728 | 0.000515 | 1.1 | 0.00282 | 0.0000661 | 0.676 | 0.000594 | 0.00125 | 0.0000383 | 0.0000542 | 0.0000271 | 0.0166 | 0.00000443 | 0.0000209 | 0.000229 | 0.00135 | 0.0000528 |
| 2034 Feb | 0.00000224 | 0.728 | 0.000515 | 1.1 | 0.00277 | 0.0000652 | 0.676 | 0.000591 | 0.00125 | 0.000038 | 0.0000541 | 0.000027 | 0.0166 | 0.00000444 | 0.0000207 | 0.000229 | 0.00135 | 0.0000517 |
| 2034 Mar | 0.00000237 | 0.826 | 0.000507 | 1.25 | 0.00168 | 0.0000444 | 0.78 | 0.000737 | 0.00145 | 0.0000313 | 0.000052 | 0.000026 | 0.0173 | 0.00000473 | 0.0000186 | 0.00024 | 0.00143 | 0.0000516 |
| 2034 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2034 May | 0.00000246 | 0.796 | 0.000502 | 1.24 | 0.000945 | 0.0000313 | 0.784 | 0.000699 | 0.001 | 0.0000276 | 0.0000506 | 0.0000253 | 0.0172 | 0.0000049 | 0.0000165 | 0.000246 | 0.00148 | 0.0000413 |
| 2034 Jun | 0.00000222 | 0.943 | 0.000499 | 1.42 | 0.00211 | 0.0000558 | 0.859 | 0.000744 | 0.00183 | 0.0000315 | 0.0000515 | 0.0000258 | 0.0228 | 0.00000441 | 0.0000194 | 0.000226 | 0.00133 | 0.0000423 |
| 2034 Jul | 0.00000247 | 0.623 | 0.000501 | 1 | 0.00267 | 0.0000288 | 0.605 | 0.000675 | 0.001 | 0.0000255 | 0.0000502 | 0.0000251 | 0.0149 | 0.00000494 | 0.0000171 | 0.000247 | 0.00148 | 0.0000283 |
| 2034 Aug | 0.00000246 | 0.655 | 0.000503 | 0.935 | 0.00161 | 0.0000391 | 0.595 | 0.000419 | 0.00101 | 0.0000257 | 0.0000505 | 0.0000253 | 0.0159 | 0.00000492 | 0.0000183 | 0.000247 | 0.00148 | 0.0000414 |
| 2034 Sep | 0.00000225 | 0.672 | 0.000517 | 1.02 | 0.00286 | 0.0000623 | 0.627 | 0.00041 | 0.00105 | 0.0000288 | 0.0000532 | 0.000032 | 0.0178 | 0.00000447 | 0.0000213 | 0.00023 | 0.00135 | 0.0000436 |
| 2034 Oct | 0.00000193 | 0.799 | 0.000533 | 1.15 | 0.00497 | 0.000106 | 0.676 | 0.000772 | 0.00108 | 0.000386 | 0.0000728 | 0.0000289 | 0.0217 | 0.0000038 | 0.0000282 | 0.000203 | 0.00165 | 0.0000933 |
| 2034 Nov | 0.00000211 | 0.666 | 0.000523 | 0.992 | 0.00356 | 0.0000805 | 0.608 | 0.000476 | 0.00157 | 0.0000325 | 0.0000545 | 0.0000277 | 0.0164 | 0.00000418 | 0.000022 | 0.000218 | 0.00127 | 0.000064 |
| 2034 Dec | 0.00000224 | 0.734 | 0.000516 | 1.1 | 0.00263 | 0.0000626 | 0.682 | 0.000576 | 0.00127 | 0.0000301 | 0.0000531 | 0.0000269 | 0.0167 | 0.00000444 | 0.0000202 | 0.000228 | 0.00134 | 0.0000434 |
| 2035 Jan | 0.00000225 | 0.734 | 0.000515 | 1.11 | 0.00256 | 0.0000613 | 0.683 | 0.000573 | 0.00127 | 0.0000299 | 0.0000529 | 0.0000268 | 0.0166 | 0.00000446 | 0.0000199 | 0.000229 | 0.00135 | 0.0000419 |
| 2035 Feb | 0.00000231 | 0.733 | 0.000511 | 1.11 | 0.00205 | 0.0000514 | 0.689 | 0.000548 | 0.00128 | 0.0000286 | 0.0000521 | 0.0000263 | 0.0162 | 0.00000461 | 0.0000183 | 0.000235 | 0.00139 | 0.0000407 |
| 2035 Mar | 0.00000232 | 0.824 | 0.000511 | 1.24 | 0.00201 | 0.0000509 | 0.773 | 0.000737 | 0.00144 | 0.0000285 | 0.0000521 | 0.0000263 | 0.0177 | 0.00000462 | 0.0000196 | 0.000235 | 0.00139 | 0.0000371 |
| 2035 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2035 May | 0.00000249 | 0.799 | 0.000501 | 1.25 | 0.000716 | 0.0000269 | 0.791 | 0.000692 | 0.001 | 0.0000253 | 0.0000502 | 0.0000251 | 0.0171 | 0.00000497 | 0.0000158 | 0.000249 | 0.00149 | 0.0000346 |
| 2035 Jun | 0.00000221 | 0.948 | 0.000498 | 1.42 | 0.00203 | 0.0000542 | 0.862 | 0.000729 | 0.00186 | 0.0000269 | 0.0000507 | 0.0000257 | 0.0229 | 0.00000439 | 0.0000189 | 0.000224 | 0.00132 | 0.0000325 |
| 2035 Jul | 0.00000245 | 0.627 | 0.000502 | 1.01 | 0.00276 | 0.0000314 | 0.606 | 0.000676 | 0.00101 | 0.0000251 | 0.0000503 | 0.0000252 | 0.0151 | 0.00000489 | 0.0000174 | 0.000245 | 0.00147 | 0.0000191 |
| 2035 Aug | 0.00000241 | 0.662 | 0.000506 | 0.943 | 0.00191 | 0.0000452 | 0.598 | 0.000438 | 0.00103 | 0.0000252 | 0.0000508 | 0.0000256 | 0.0163 | 0.00000481 | 0.0000192 | 0.000242 | 0.00144 | 0.000028 |
| 2035 Sep | 0.00000217 | 0.678 | 0.000519 | 1.02 | 0.00316 | 0.0000682 | 0.624 | 0.000417 | 0.00108 | 0.0000242 | 0.0000526 | 0.0000317 | 0.0183 | 0.00000431 | 0.000022 | 0.000222 | 0.00129 | 0.0000442 |
| 2035 Oct | 0.00000193 | 0.796 | 0.000529 | 1.14 | 0.00455 | 0.0000968 | 0.67 | 0.000712 | 0.00109 | 0.000398 | 0.0000713 | 0.0000283 | 0.0217 | 0.00000381 | 0.0000264 | 0.000201 | 0.00167 | 0.0000723 |
| 2035 Nov | 0.00000186 | 0.682 | 0.000532 | 0.979 | 0.00489 | 0.000106 | 0.597 | 0.000539 | 0.00143 | 0.0000373 | 0.000055 | 0.0000287 | 0.0182 | 0.00000366 | 0.0000262 | 0.000194 | 0.00112 | 0.0000807 |
| 2035 Dec | 0.00000217 | 0.73 | 0.000517 | 1.09 | 0.00285 | 0.0000667 | 0.672 | 0.000561 | 0.00126 | 0.0000315 | 0.0000526 | 0.0000269 | 0.017 | 0.00000431 | 0.0000206 | 0.000221 | 0.0013 | 0.0000417 |
| 2036 Jan | 0.00000222 | 0.73 | 0.000514 | 1.1 | 0.0025 | 0.0000598 | 0.677 | 0.000548 | 0.00126 | 0.0000305 | 0.0000522 | 0.0000266 | 0.0167 | 0.00000442 | 0.0000195 | 0.000226 | 0.00134 | 0.0000349 |
| 2036 Feb | 0.00000223 | 0.73 | 0.000514 | 1.1 | 0.00247 | 0.0000593 | 0.677 | 0.000547 | 0.00126 | 0.0000304 | 0.0000521 | 0.0000266 | 0.0166 | 0.00000443 | 0.0000194 | 0.000226 | 0.00134 | 0.0000343 |
| 2036 Mar | 0.00000225 | 0.815 | 0.000513 | 1.22 | 0.00234 | 0.000057 | 0.757 | 0.00072 | 0.00142 | 0.0000301 | 0.000052 | 0.0000265 | 0.018 | 0.00000447 | 0.0000204 | 0.000228 | 0.00135 | 0.0000342 |
| 2036 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2036 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2036 Jun | 0.00000221 | 0.953 | 0.000501 | 1.43 | 0.00199 | 0.0000534 | 0.864 | 0.000717 | 0.00187 | 0.0000295 | 0.0000506 | 0.0000257 | 0.0231 | 0.0000044 | 0.0000187 | 0.000224 | 0.00133 | 0.0000276 |
| 2036 Jul | 0.00000231 | 0.644 | 0.000505 | 1.01 | 0.00326 | 0.0000455 | 0.608 | 0.00068 | 0.00105 | 0.0000262 | 0.0000506 | 0.0000256 | 0.016 | 0.0000046 | 0.0000192 | 0.000233 | 0.00138 | 0.0000217 |
| 2036 Aug | 0.00000245 | 0.657 | 0.000503 | 0.937 | 0.00165 | 0.0000399 | 0.596 | 0.000418 | 0.00102 | 0.0000253 | 0.0000503 | 0.0000253 | 0.016 | 0.00000489 | 0.0000184 | 0.000245 | 0.00147 | 0.0000183 |
| 2036 Sep | 0.00000227 | 0.674 | 0.000514 | 1.03 | 0.00245 | 0.0000538 | 0.629 | 0.000362 | 0.00107 | 0.0000259 | 0.0000515 | 0.0000316 | 0.0178 | 0.00000451 | 0.0000196 | 0.000229 | 0.00136 | 0.000031 |
| 2036 Oct | 0.00000187 | 0.802 | 0.000533 | 1.14 | 0.00473 | 0.0001 | 0.673 | 0.0007 | 0.00114 | 0.000356 | 0.0000687 | 0.0000282 | 0.022 | 0.00000369 | 0.0000266 | 0.000194 | 0.00157 | 0.0000663 |
| 2036 Nov | 0.00000211 | 0.668 | 0.000521 | 0.994 | 0.00314 | 0.0000718 | 0.608 | 0.000419 | 0.0016 | 0.0000291 | 0.0000523 | 0.000027 | 0.0164 | 0.00000419 | 0.0000202 | 0.000215 | 0.00127 | 0.0000411 |
| 2036 Dec | 0.00000223 | 0.737 | 0.000515 | 1.11 | 0.00237 | 0.0000573 | 0.683 | 0.000541 | 0.00128 | 0.0000279 | 0.0000516 | 0.0000264 | 0.0168 | 0.00000444 | 0.000019 | 0.000226 | 0.00134 | 0.0000284 |
| 2037 Jan | 0.00000223 | 0.736 | 0.000514 | 1.11 | 0.00234 | 0.0000566 | 0.684 | 0.000539 | 0.00128 | 0.0000278 | 0.0000516 | 0.0000264 | 0.0167 | 0.00000445 | 0.0000189 | 0.000226 | 0.00134 | 0.0000278 |
| 2037 Feb | 0.00000226 | 0.736 | 0.000513 | 1.11 | 0.00219 | 0.0000537 | 0.686 | 0.000534 | 0.00129 | 0.0000276 | 0.0000514 | 0.0000262 | 0.0166 | 0.0000045 | 0.0000184 | 0.000229 | 0.00136 | 0.0000272 |
| 2037 Mar | 0.00000242 | 0.834 | 0.000504 | 1.27 | 0.00114 | 0.000034 | 0.793 | 0.000711 | 0.00148 | 0.0000258 | 0.0000504 | 0.0000254 | 0.0171 | 0.00000484 | 0.0000168 | 0.000243 | 0.00146 | 0.0000271 |
| 2037 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2037 May | 0.0000023 | 0.785 | 0.000507 | 1.2 | 0.00175 | 0.0000464 | 0.757 | 0.00069 | 0.00102 | 0.0000278 | 0.0000507 | 0.0000258 | 0.0178 | 0.00000459 | 0.0000186 | 0.000232 | 0.00138 | 0.0000318 |
| 2037 Jun | 0.00000217 | 0.939 | 0.000503 | 1.4 | 0.00209 | 0.0000551 | 0.852 | 0.000706 | 0.00181 | 0.0000238 | 0.0000499 | 0.0000256 | 0.0229 | 0.00000432 | 0.0000189 | 0.000219 | 0.0013 | 0.0000237 |
| 2037 Jul | 0.00000237 | 0.637 | 0.000508 | 1.01 | 0.00309 | 0.00004 | 0.608 | 0.000676 | 0.00102 | 0.0000243 | 0.0000505 | 0.0000256 | 0.0156 | 0.00000473 | 0.0000186 | 0.000238 | 0.00142 | 0.0000184 |
| 2037 Aug | 0.00000247 | 0.655 | 0.000503 | 0.934 | 0.00155 | 0.0000378 | 0.595 | 0.000411 | 0.00101 | 0.0000248 | 0.0000502 | 0.0000252 | 0.0159 | 0.00000493 | 0.0000181 | 0.000247 | 0.00148 | 0.0000163 |
| 2037 Sep | 0.00000246 | 0.649 | 0.000505 | 1.02 | 0.00133 | 0.000031 | 0.626 | 0.000271 | 0.00101 | 0.0000248 | 0.0000504 | 0.0000318 | 0.0167 | 0.00000491 | 0.0000162 | 0.000246 | 0.00147 | 0.000022 |
| 2037 Oct | 0.00000212 | 0.844 | 0.000539 | 1.23 | 0.00348 | 0.0000754 | 0.716 | 0.000695 | 0.00109 | 0.000519 | 0.0000759 | 0.0000276 | 0.0223 | 0.00000422 | 0.0000231 | 0.000216 | 0.00196 | 0.0000456 |
| 2037 Nov | 0.00000216 | 0.681 | 0.000535 | 1.01 | 0.00308 | 0.0000709 | 0.621 | 0.00041 | 0.00163 | 0.000026 | 0.0000527 | 0.0000274 | 0.0166 | 0.00000429 | 0.00002 | 0.000219 | 0.00129 | 0.0000335 |
| 2037 Dec | 0.00000223 | 0.75 | 0.000527 | 1.12 | 0.00253 | 0.0000604 | 0.694 | 0.000548 | 0.00129 | 0.0000258 | 0.0000521 | 0.0000268 | 0.0172 | 0.00000445 | 0.0000196 | 0.000226 | 0.00134 | 0.0000258 |
| 2038 Jan | 0.00000224 | 0.75 | 0.000527 | 1.12 | 0.00252 | 0.0000603 | 0.694 | 0.000548 | 0.00129 | 0.0000258 | 0.0000521 | 0.0000268 | 0.0172 | 0.00000445 | 0.0000195 | 0.000226 | 0.00134 | 0.0000257 |
| 2038 Feb | 0.00000223 | 0.75 | 0.000527 | 1.12 | 0.00252 | 0.0000604 | 0.694 | 0.000548 | 0.00129 | 0.0000258 | 0.0000521 | 0.0000268 | 0.0172 | 0.00000445 | 0.0000196 | 0.000226 | 0.00134 | 0.0000258 |
| 2038 Mar | 0.00000225 | 0.834 | 0.000525 | 1.24 | 0.00239 | 0.0000581 | 0.772 | 0.000721 | 0.00144 | 0.0000258 | 0.000052 | 0.0000267 | 0.0185 | 0.00000449 | 0.0000205 | 0.000228 | 0.00135 | 0.0000258 |
| 2038 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2038 May | 0.00000242 | 0.793 | 0.000502 | 1.23 | 0.00103 | 0.0000327 | 0.778 | 0.000687 | 0.001 | 0.0000256 | 0.0000501 | 0.0000252 | 0.0173 | 0.00000483 | 0.0000166 | 0.000242 | 0.00145 | 0.0000195 |
| 2038 Jun | 0.00000226 | 0.96 | 0.000499 | 1.45 | 0.00151 | 0.000044 | 0.878 | 0.000702 | 0.00187 | 0.0000251 | 0.0000495 | 0.0000252 | 0.023 | 0.00000452 | 0.0000172 | 0.000228 | 0.00136 | 0.0000149 |
| 2038 Jul | 0.0000025 | 0.62 | 0.0005 | 1.01 | 0.00253 | 0.0000251 | 0.605 | 0.00067 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.0147 | 0.000005 | 0.0000165 | 0.00025 | 0.0015 | 0.00000298 |
| 2038 Aug | 0.00000243 | 0.658 | 0.000505 | 0.937 | 0.0017 | 0.0000409 | 0.596 | 0.000419 | 0.00101 | 0.000025 | 0.0000503 | 0.0000253 | 0.0161 | 0.00000486 | 0.0000185 | 0.000244 | 0.00146 | 0.0000132 |
| 2038 Sep | 0.00000231 | 0.666 | 0.000515 | 1.02 | 0.00214 | 0.0000475 | 0.627 | 0.000332 | 0.00103 | 0.0000249 | 0.0000508 | 0.0000315 | 0.0175 | 0.0000046 | 0.0000186 | 0.000232 | 0.00138 | 0.0000171 |
| 2038 Oct | 0.00000201 | 0.813 | 0.000531 | 1.18 | 0.00364 | 0.0000786 | 0.691 | 0.000663 | 0.00105 | 0.000443 | 0.000071 | 0.0000272 | 0.0217 | 0.00000401 | 0.0000232 | 0.000205 | 0.00179 | 0.0000349 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 Nov | 0.00000229 | 0.647 | 0.000514 | 0.988 | 0.00195 | 0.0000488 | 0.608 | 0.000332 | 0.00167 | 0.0000253 | 0.0000507 | 0.000026 | 0.0148 | 0.00000456 | 0.0000161 | 0.00023 | 0.00137 | 0.0000155 |
| 2038 Dec | 0.00000225 | 0.736 | 0.000516 | 1.11 | 0.00217 | 0.0000533 | 0.686 | 0.000524 | 0.00126 | 0.0000254 | 0.0000509 | 0.0000262 | 0.0166 | 0.00000448 | 0.0000183 | 0.000227 | 0.00135 | 0.0000184 |
| 2039 Jan | 0.00000224 | 0.736 | 0.000517 | 1.11 | 0.00219 | 0.0000537 | 0.685 | 0.000524 | 0.00126 | 0.0000254 | 0.0000509 | 0.0000262 | 0.0166 | 0.00000447 | 0.0000183 | 0.000226 | 0.00134 | 0.0000187 |
| 2039 Feb | 0.00000224 | 0.736 | 0.000517 | 1.11 | 0.00219 | 0.0000538 | 0.685 | 0.000524 | 0.00126 | 0.0000254 | 0.0000509 | 0.0000262 | 0.0166 | 0.00000447 | 0.0000183 | 0.000226 | 0.00134 | 0.0000187 |
| 2039 Mar | 0.00000247 | 0.838 | 0.000502 | 1.28 | 0.000816 | 0.0000278 | 0.801 | 0.000709 | 0.00149 | 0.000025 | 0.0000501 | 0.0000251 | 0.0169 | 0.00000495 | 0.0000159 | 0.000248 | 0.00148 | 0.0000187 |
| 2039 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2039 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2039 Jun | 0.00000223 | 0.959 | 0.000496 | 1.44 | 0.00154 | 0.0000446 | 0.873 | 0.000691 | 0.00189 | 0.0000244 | 0.000049 | 0.0000251 | 0.0231 | 0.00000446 | 0.0000171 | 0.000225 | 0.00134 | 0.0000137 |
| 2039 Jul | 0.00000224 | 0.653 | 0.000508 | 1.01 | 0.00338 | 0.0000491 | 0.611 | 0.00066 | 0.00106 | 0.0000236 | 0.0000499 | 0.0000256 | 0.0164 | 0.00000447 | 0.0000195 | 0.000225 | 0.00134 | 0.0000139 |
| 2039 Aug | 0.00000249 | 0.652 | 0.000501 | 0.932 | 0.00141 | 0.0000351 | 0.594 | 0.000403 | 0.001 | 0.0000249 | 0.00005 | 0.0000251 | 0.0157 | 0.00000497 | 0.0000177 | 0.000249 | 0.00149 | 0.00000484 |
| 2039 Sep | 0.0000022 | 0.683 | 0.000522 | 1.03 | 0.00267 | 0.0000576 | 0.631 | 0.00036 | 0.00108 | 0.0000231 | 0.0000508 | 0.0000313 | 0.0183 | 0.00000439 | 0.00002 | 0.000222 | 0.00132 | 0.0000201 |
| 2039 Oct | 0.00000238 | 0.852 | 0.000509 | 1.28 | 0.00165 | 0.0000386 | 0.735 | 0.00066 | 0.00103 | 0.000693 | 0.0000814 | 0.0000256 | 0.0215 | 0.00000475 | 0.0000174 | 0.000238 | 0.00236 | 0.0000212 |
| 2039 Nov | 0.00000245 | 0.628 | 0.000504 | 0.984 | 0.00102 | 0.0000309 | 0.606 | 0.00027 | 0.00178 | 0.0000247 | 0.0000502 | 0.0000253 | 0.0135 | 0.00000489 | 0.000013 | 0.000245 | 0.00147 | 0.00000819 |
| 2039 Dec | 0.00000229 | 0.742 | 0.000516 | 1.12 | 0.00193 | 0.0000483 | 0.693 | 0.000514 | 0.0013 | 0.0000237 | 0.0000506 | 0.000026 | 0.0165 | 0.00000457 | 0.0000174 | 0.00023 | 0.00137 | 0.0000128 |
| 2040 Jan | 0.00000229 | 0.742 | 0.000516 | 1.12 | 0.00193 | 0.0000483 | 0.693 | 0.000514 | 0.0013 | 0.0000237 | 0.0000506 | 0.000026 | 0.0166 | 0.00000457 | 0.0000174 | 0.00023 | 0.00137 | 0.0000128 |
| 2040 Feb | 0.00000232 | 0.74 | 0.000514 | 1.12 | 0.00176 | 0.0000451 | 0.695 | 0.000509 | 0.0013 | 0.0000239 | 0.0000505 | 0.0000259 | 0.0163 | 0.00000463 | 0.0000169 | 0.000233 | 0.00139 | 0.0000128 |
| 2040 Mar | 0.00000242 | 0.837 | 0.000506 | 1.27 | 0.00115 | 0.000034 | 0.794 | 0.000706 | 0.00148 | 0.0000245 | 0.0000502 | 0.0000254 | 0.0173 | 0.00000483 | 0.0000168 | 0.000242 | 0.00145 | 0.0000128 |
| 2040 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2040 May | 0.00000245 | 0.797 | 0.000502 | 1.24 | 0.000856 | 0.0000294 | 0.785 | 0.000687 | 0.00101 | 0.0000247 | 0.00005 | 0.0000251 | 0.0172 | 0.00000491 | 0.0000161 | 0.000246 | 0.00147 | 0.0000126 |
| 2040 Jun | 0.00000219 | 0.94 | 0.000497 | 1.41 | 0.00171 | 0.0000473 | 0.855 | 0.000681 | 0.00182 | 0.0000223 | 0.0000486 | 0.000025 | 0.0227 | 0.00000438 | 0.0000174 | 0.00022 | 0.00131 | 0.0000117 |
| 2040 Jul | 0.00000237 | 0.634 | 0.000505 | 1.01 | 0.00295 | 0.0000372 | 0.606 | 0.000663 | 0.00102 | 0.0000238 | 0.0000499 | 0.0000253 | 0.0155 | 0.00000473 | 0.000018 | 0.000237 | 0.00142 | 0.00000984 |
| 2040 Aug | 0.00000238 | 0.663 | 0.000507 | 0.941 | 0.00192 | 0.0000451 | 0.597 | 0.000425 | 0.00102 | 0.000024 | 0.0000501 | 0.0000254 | 0.0164 | 0.00000475 | 0.000019 | 0.000239 | 0.00143 | 0.00000964 |
| 2040 Sep | 0.00000216 | 0.677 | 0.000522 | 1.01 | 0.00278 | 0.0000599 | 0.624 | 0.00036 | 0.00105 | 0.000022 | 0.0000503 | 0.0000311 | 0.0182 | 0.00000431 | 0.0000202 | 0.000218 | 0.00129 | 0.0000198 |
| 2040 Oct | 0.0000025 | 0.86 | 0.0005 | 1.31 | 0.00096 | 0.000025 | 0.746 | 0.00066 | 0.001 | 0.000778 | 0.000085 | 0.000025 | 0.0212 | 0.000005 | 0.0000155 | 0.00025 | 0.00255 | |
| 2040 Nov | 0.0000025 | 0.62 | 0.0005 | 0.98 | 0.00071 | 0.000025 | 0.604 | 0.00025 | 0.0018 | 0.000025 | 0.00005 | 0.000025 | 0.013 | 0.000005 | 0.000012 | 0.00025 | 0.0015 | |
| 2040 Dec | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2041 Jan | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2041 Feb | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2041 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2041 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2041 May | 0.00000249 | 0.8 | 0.000501 | 1.25 | 0.000695 | 0.0000265 | 0.791 | 0.000689 | 0.001 | 0.0000249 | 0.00005 | 0.0000251 | 0.0171 | 0.00000497 | 0.0000157 | 0.000249 | 0.00149 | 0.0000109 |
| 2041 Jun | 0.00000224 | 0.964 | 0.000501 | 1.45 | 0.00154 | 0.0000444 | 0.877 | 0.000688 | 0.0019 | 0.0000227 | 0.000049 | 0.0000251 | 0.0232 | 0.00000448 | 0.0000171 | 0.000225 | 0.00134 | 0.0000104 |
| 2041 Jul | 0.00000231 | 0.641 | 0.000504 | 1.01 | 0.00305 | 0.0000407 | 0.607 | 0.000654 | 0.00104 | 0.0000233 | 0.0000494 | 0.0000252 | 0.0159 | 0.00000461 | 0.0000183 | 0.000231 | 0.00138 | 0.00000875 |
| 2041 Aug | 0.00000221 | 0.68 | 0.000515 | 0.956 | 0.00266 | 0.0000591 | 0.601 | 0.00045 | 0.00106 | 0.0000224 | 0.0000498 | 0.0000258 | 0.0175 | 0.00000441 | 0.0000207 | 0.000222 | 0.00132 | 0.0000113 |
| 2041 Sep | 0.00000222 | 0.671 | 0.000516 | 1.01 | 0.00242 | 0.0000524 | 0.623 | 0.000334 | 0.00106 | 0.0000225 | 0.0000499 | 0.0000311 | 0.0179 | 0.00000443 | 0.000019 | 0.000223 | 0.00133 | 0.0000111 |
| 2041 Oct | 0.00000191 | 0.802 | 0.000533 | 1.15 | 0.00385 | 0.000081 | 0.674 | 0.000615 | 0.00109 | 0.000398 | 0.0000673 | 0.0000269 | 0.0218 | 0.00000381 | 0.000023 | 0.000194 | 0.00167 | 0.0000224 |
| 2041 Nov | 0.00000227 | 0.645 | 0.000513 | 0.982 | 0.00191 | 0.0000474 | 0.604 | 0.000314 | 0.00168 | 0.0000231 | 0.0000499 | 0.0000258 | 0.0149 | 0.00000453 | 0.0000157 | 0.000228 | 0.00136 | 0.00000895 |
| 2041 Dec | 0.00000223 | 0.734 | 0.000516 | 1.1 | 0.00209 | 0.0000509 | 0.681 | 0.000501 | 0.00127 | 0.0000228 | 0.0000499 | 0.0000259 | 0.0166 | 0.00000446 | 0.0000177 | 0.000224 | 0.00134 | 0.0000104 |
| 2042 Jan | 0.00000223 | 0.734 | 0.000515 | 1.1 | 0.00208 | 0.0000508 | 0.681 | 0.000501 | 0.00127 | 0.0000228 | 0.0000499 | 0.0000259 | 0.0166 | 0.00000446 | 0.0000177 | 0.000224 | 0.00134 | 0.0000103 |
| 2042 Feb | 0.00000222 | 0.734 | 0.000516 | 1.1 | 0.00214 | 0.0000518 | 0.681 | 0.000502 | 0.00127 | 0.0000227 | 0.0000499 | 0.0000259 | 0.0167 | 0.00000444 | 0.0000178 | 0.000223 | 0.00133 | 0.0000107 |
| 2042 Mar | 0.00000231 | 0.825 | 0.000511 | 1.24 | 0.00166 | 0.0000433 | 0.773 | 0.000688 | 0.00145 | 0.0000234 | 0.00005 | 0.0000256 | 0.0177 | 0.00000462 | 0.000018 | 0.000232 | 0.00139 | 0.0000108 |
| 2042 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2042 May | 0.00000246 | 0.798 | 0.000503 | 1.24 | 0.000851 | 0.0000293 | 0.786 | 0.000686 | 0.00101 | 0.0000247 | 0.00005 | 0.0000252 | 0.0173 | 0.00000491 | 0.0000161 | 0.000246 | 0.00147 | 0.0000076 |
| 2042 Jun | 0.00000224 | 0.962 | 0.000499 | 1.45 | 0.00147 | 0.000043 | 0.876 | 0.000681 | 0.0019 | 0.0000229 | 0.0000486 | 0.000025 | 0.0231 | 0.00000448 | 0.0000168 | 0.000225 | 0.00134 | 0.00000836 |
| 2042 Jul | 0.0000022 | 0.656 | 0.00051 | 1.01 | 0.0034 | 0.0000503 | 0.61 | 0.000643 | 0.00107 | 0.0000224 | 0.0000492 | 0.0000256 | 0.0166 | 0.0000044 | 0.0000194 | 0.000221 | 0.00132 | 0.00000892 |
| 2042 Aug | 0.00000219 | 0.679 | 0.000518 | 0.952 | 0.00276 | 0.0000608 | 0.599 | 0.000446 | 0.00106 | 0.0000223 | 0.0000498 | 0.0000259 | 0.0176 | 0.00000437 | 0.0000209 | 0.00022 | 0.00131 | 0.00000986 |
| 2042 Sep | 0.00000216 | 0.671 | 0.000521 | 1.01 | 0.00267 | 0.000057 | 0.617 | 0.000337 | 0.00105 | 0.000022 | 0.0000498 | 0.000031 | 0.0181 | 0.00000432 | 0.0000196 | 0.000218 | 0.0013 | 0.0000106 |
| 2042 Oct | 0.00000179 | 0.765 | 0.000531 | 1.08 | 0.0042 | 0.0000872 | 0.637 | 0.000566 | 0.00103 | 0.000345 | 0.0000637 | 0.0000269 | 0.0213 | 0.00000357 | 0.0000236 | 0.000181 | 0.00152 | 0.0000201 |
| 2042 Nov | 0.00000198 | 0.654 | 0.000524 | 0.955 | 0.00322 | 0.0000711 | 0.585 | 0.000357 | 0.00148 | 0.0000286 | 0.0000494 | 0.0000265 | 0.0166 | 0.00000395 | 0.0000195 | 0.000199 | 0.0012 | 0.0000148 |
| 2042 Dec | 0.00000219 | 0.722 | 0.000514 | 1.08 | 0.0022 | 0.0000527 | 0.668 | 0.000485 | 0.00124 | 0.0000272 | 0.0000496 | 0.0000259 | 0.0166 | 0.00000437 | 0.0000179 | 0.00022 | 0.00132 | 0.0000089 |
| 2043 Jan | 0.00000221 | 0.723 | 0.000513 | 1.08 | 0.00211 | 0.0000511 | 0.67 | 0.000485 | 0.00124 | 0.0000271 | 0.0000497 | 0.0000258 | 0.0165 | 0.0000044 | 0.0000176 | 0.000221 | 0.00133 | 0.0000084 |
| 2043 Feb | 0.0000022 | 0.723 | 0.000513 | 1.08 | 0.00212 | 0.0000512 | 0.67 | 0.000485 | 0.00124 | 0.0000271 | 0.0000497 | 0.0000258 | 0.0165 | 0.0000044 | 0.0000176 | 0.000221 | 0.00133 | 0.00000841 |
| 2043 Mar | 0.00000232 | 0.819 | 0.000508 | 1.24 | 0.00153 | 0.0000408 | 0.77 | 0.000679 | 0.00143 | 0.0000263 | 0.0000498 | 0.0000255 | 0.0174 | 0.00000464 | 0.0000176 | 0.000233 | 0.0014 | 0.00000828 |
| 2043 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2043 May | 0.00000245 | 0.796 | 0.000502 | 1.24 | 0.000844 | 0.0000292 | 0.784 | 0.000683 | 0.001 | 0.0000257 | 0.0000499 | 0.0000251 | 0.0172 | 0.0000049 | 0.000016 | 0.000245 | 0.00147 | 0.00000679 |
| 2043 Jun | 0.00000219 | 0.941 | 0.000499 | 1.41 | 0.00164 | 0.000046 | 0.855 | 0.000668 | 0.00181 | 0.0000255 | 0.0000484 | 0.000025 | 0.0228 | 0.00000438 | 0.0000172 | 0.00022 | 0.00132 | 0.00000625 |
| 2043 Jul | 0.00000247 | 0.623 | 0.000501 | 1 | 0.00259 | 0.0000271 | 0.605 | 0.000667 | 0.001 | 0.000025 | 0.0000499 | 0.000025 | 0.0149 | 0.00000495 | 0.0000167 | 0.000248 | 0.00148 | 0.00000373 |
| 2043 Aug | 0.00000224 | 0.675 | 0.000516 | 0.949 | 0.00248 | 0.000056 | 0.599 | 0.000434 | 0.00103 | 0.0000242 | 0.0000497 | 0.0000258 | 0.0172 | 0.00000447 | 0.0000202 | 0.000225 | 0.00134 | 0.00000699 |
| 2043 Sep | 0.00000211 | 0.673 | 0.000521 | 1 | 0.00279 | 0.0000602 | 0.615 | 0.000341 | 0.00103 | 0.0000229 | 0.0000494 | 0.0000306 | 0.0182 | 0.00000421 | 0.00002 | 0.000212 | 0.00127 | 0.00000929 |
| 2043 Oct | 0.00000231 | 0.84 | 0.00051 | 1.25 | 0.00184 | 0.0000423 | 0.721 | 0.000637 | 0.00102 | 0.000655 | 0.0000791 | 0.0000255 | 0.0213 | 0.00000461 | 0.0000178 | 0.000231 | 0.00227 | 0.0000117 |
| 2043 Nov | 0.0000025 | 0.62 | 0.0005 | 0.98 | 0.00071 | 0.000025 | 0.604 | 0.00025 | 0.0018 | 0.000025 | 0.00005 | 0.000025 | 0.013 | 0.000005 | 0.000012 | 0.00025 | 0.0015 | |
| 2043 Dec | 0.00000241 | 0.731 | 0.000505 | 1.12 | 0.00115 | 0.0000336 | 0.696 | 0.000483 | 0.00128 | 0.0000245 | 0.0000499 | 0.0000253 | 0.0155 | 0.00000481 | 0.0000151 | 0.000241 | 0.00144 | 0.00000539 |
| 2044 Jan | 0.00000228 | 0.732 | 0.000513 | 1.1 | 0.00178 | 0.0000455 | 0.684 | 0.000488 | 0.00126 | 0.0000238 | 0.0000497 | 0.0000256 | 0.0163 | 0.00000455 | 0.0000168 | 0.000228 | 0.00137 | 0.00000537 |
| 2044 Feb | 0.00000244 | 0.73 | 0.000504 | 1.13 | 0.000992 | 0.0000307 | 0.699 | 0.000482 | 0.00129 | 0.0000247 | 0.0000499 | 0.0000252 | 0.0153 | 0.00000487 | 0.0000146 | 0.000244 | 0.00146 | 0.00000539 |
| 2044 Mar | 0.00000247 | 0.837 | 0.000502 | 1.28 | 0.000812 | 0.0000277 | 0.8 | 0.000705 | 0.00149 | 0.0000248 | 0.00005 | 0.0000251 | 0.0169 | 0.00000494 | 0.0000158 | 0.000247 | 0.00148 | 0.00000539 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2044 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2044 May | 0.00000246 | 0.798 | 0.000502 | 1.24 | 0.000795 | 0.0000283 | 0.787 | 0.000685 | 0.001 | 0.0000248 | 0.00005 | 0.0000251 | 0.0172 | 0.00000493 | 0.0000159 | 0.000247 | 0.00148 | 0.00000538 |
| 2044 Jun | 0.00000218 | 0.943 | 0.000498 | 1.41 | 0.00165 | 0.0000462 | 0.855 | 0.000662 | 0.00184 | 0.0000223 | 0.000048 | 0.0000249 | 0.0229 | 0.00000435 | 0.0000171 | 0.000218 | 0.00131 | 0.00000528 |
| 2044 Jul | 0.00000241 | 0.63 | 0.000502 | 1.01 | 0.00275 | 0.0000318 | 0.606 | 0.000659 | 0.00102 | 0.0000242 | 0.0000497 | 0.0000251 | 0.0152 | 0.00000482 | 0.0000172 | 0.000241 | 0.00145 | 0.0000033 |
| 2044 Aug | 0.00000241 | 0.662 | 0.000505 | 0.941 | 0.00172 | 0.0000412 | 0.598 | 0.000412 | 0.00102 | 0.0000242 | 0.0000499 | 0.0000253 | 0.0163 | 0.00000482 | 0.0000184 | 0.000241 | 0.00145 | 0.00000408 |
| 2044 Sep | 0.00000218 | 0.676 | 0.000516 | 1.02 | 0.00243 | 0.0000531 | 0.624 | 0.000327 | 0.00106 | 0.0000222 | 0.0000492 | 0.0000307 | 0.0181 | 0.00000435 | 0.0000189 | 0.000218 | 0.0013 | 0.00000626 |
| 2044 Oct | 0.00000179 | 0.785 | 0.000529 | 1.11 | 0.00395 | 0.000084 | 0.656 | 0.000562 | 0.00109 | 0.000331 | 0.0000623 | 0.0000265 | 0.0217 | 0.00000357 | 0.0000229 | 0.00018 | 0.00151 | 0.0000129 |
| 2044 Nov | 0.00000194 | 0.672 | 0.000522 | 0.976 | 0.00319 | 0.0000714 | 0.598 | 0.000364 | 0.00149 | 0.0000294 | 0.0000487 | 0.0000262 | 0.0172 | 0.00000387 | 0.0000194 | 0.000195 | 0.00117 | 0.0000101 |
| 2044 Dec | 0.00000218 | 0.73 | 0.000513 | 1.09 | 0.00213 | 0.0000518 | 0.674 | 0.000483 | 0.00126 | 0.0000276 | 0.0000492 | 0.0000257 | 0.0168 | 0.00000435 | 0.0000176 | 0.000218 | 0.00131 | 0.00000585 |
| 2045 Jan | 0.00000221 | 0.73 | 0.000512 | 1.1 | 0.00199 | 0.0000492 | 0.677 | 0.000483 | 0.00126 | 0.0000274 | 0.0000493 | 0.0000256 | 0.0166 | 0.00000441 | 0.0000172 | 0.000221 | 0.00133 | 0.00000528 |
| 2045 Feb | 0.00000221 | 0.73 | 0.000512 | 1.1 | 0.00198 | 0.000049 | 0.677 | 0.000483 | 0.00126 | 0.0000274 | 0.0000493 | 0.0000256 | 0.0166 | 0.00000442 | 0.0000172 | 0.000222 | 0.00133 | 0.00000523 |
| 2045 Mar | 0.00000249 | 0.839 | 0.0005 | 1.29 | 0.000712 | 0.0000258 | 0.804 | 0.000708 | 0.0015 | 0.0000251 | 0.00005 | 0.000025 | 0.0168 | 0.00000498 | 0.0000156 | 0.000249 | 0.00149 | 0.00000523 |
| 2045 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2045 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2045 Jun | 0.00000224 | 0.962 | 0.000499 | 1.45 | 0.00142 | 0.000042 | 0.875 | 0.000672 | 0.0019 | 0.000028 | 0.0000486 | 0.0000249 | 0.0232 | 0.00000447 | 0.0000166 | 0.000224 | 0.00135 | 0.00000416 |
| 2045 Jul | 0.00000249 | 0.621 | 0.0005 | 1 | 0.00253 | 0.0000254 | 0.605 | 0.000669 | 0.001 | 0.0000251 | 0.00005 | 0.000025 | 0.0147 | 0.00000499 | 0.0000165 | 0.000249 | 0.0015 | 0.00000266 |
| 2045 Aug | 0.00000246 | 0.655 | 0.000502 | 0.935 | 0.00149 | 0.0000367 | 0.595 | 0.000405 | 0.00101 | 0.0000254 | 0.0000499 | 0.0000251 | 0.0159 | 0.00000492 | 0.0000178 | 0.000246 | 0.00148 | 0.00000284 |
| 2045 Sep | 0.00000241 | 0.654 | 0.000504 | 1.02 | 0.00142 | 0.0000328 | 0.626 | 0.000274 | 0.00103 | 0.0000259 | 0.0000498 | 0.0000314 | 0.0169 | 0.00000481 | 0.0000163 | 0.000241 | 0.00145 | 0.00000309 |
| 2045 Oct | 0.0000025 | 0.86 | 0.0005 | 1.31 | 0.00096 | 0.000025 | 0.746 | 0.00066 | 0.001 | 0.000778 | 0.000085 | 0.000025 | 0.0212 | 0.000005 | 0.0000155 | 0.00025 | 0.00255 | |
| 2045 Nov | 0.0000025 | 0.62 | 0.0005 | 0.98 | 0.00071 | 0.000025 | 0.604 | 0.00025 | 0.0018 | 0.000025 | 0.00005 | 0.000025 | 0.013 | 0.000005 | 0.000012 | 0.00025 | 0.0015 | |
| 2045 Dec | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2046 Jan | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2046 Feb | 0.0000025 | 0.73 | 0.0005 | 1.13 | 0.00069 | 0.000025 | 0.705 | 0.00048 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0149 | 0.000005 | 0.0000138 | 0.00025 | 0.0015 | |
| 2046 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2046 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2046 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2046 Jun | 0.00000215 | 1 | 0.000562 | 1.47 | 0.00301 | 0.000077 | 0.887 | 0.000736 | 0.00192 | 0.0000228 | 0.0000526 | 0.000028 | 0.0255 | 0.00000428 | 0.0000223 | 0.000216 | 0.00128 | 0.0000118 |
| 2046 Jul | 0.00000217 | 0.799 | 0.00065 | 1.16 | 0.00618 | 0.000119 | 0.691 | 0.000832 | 0.00127 | 0.0000225 | 0.0000595 | 0.0000324 | 0.0224 | 0.00000428 | 0.0000311 | 0.000218 | 0.00128 | 0.0000201 |
| 2046 Aug | 0.0000022 | 0.814 | 0.000649 | 1.1 | 0.0053 | 0.000125 | 0.68 | 0.000657 | 0.00126 | 0.0000227 | 0.0000597 | 0.0000324 | 0.0228 | 0.00000434 | 0.0000317 | 0.000221 | 0.0013 | 0.0000235 |
| 2046 Sep | 0.00000203 | 0.84 | 0.000692 | 1.17 | 0.00667 | 0.000159 | 0.7 | 0.000704 | 0.00131 | 0.0000212 | 0.0000626 | 0.0000384 | 0.0251 | 0.00000396 | 0.0000364 | 0.000204 | 0.00119 | 0.0000315 |
| 2046 Oct | 0.00000167 | 1.01 | 0.000832 | 1.3 | 0.011 | 0.000271 | 0.756 | 0.00119 | 0.00152 | 0.0000155 | 0.0000792 | 0.0000424 | 0.032 | 0.00000314 | 0.0000541 | 0.000169 | 0.00113 | 0.0000609 |
| 2046 Nov | 0.00000181 | 0.909 | 0.000782 | 1.21 | 0.00936 | 0.000234 | 0.712 | 0.000988 | 0.00169 | 0.0000206 | 0.0000696 | 0.0000397 | 0.0278 | 0.00000345 | 0.0000471 | 0.000183 | 0.00104 | 0.0000519 |
| 2046 Dec | 0.00000198 | 0.893 | 0.000714 | 1.23 | 0.00728 | 0.000184 | 0.735 | 0.000923 | 0.00148 | 0.0000217 | 0.000065 | 0.0000362 | 0.0252 | 0.00000383 | 0.0000396 | 0.000199 | 0.00115 | 0.0000395 |
| 2047 Jan | 0.00000214 | 0.842 | 0.000647 | 1.2 | 0.00522 | 0.000134 | 0.725 | 0.000785 | 0.00142 | 0.0000228 | 0.0000603 | 0.0000327 | 0.0219 | 0.00000419 | 0.0000315 | 0.000215 | 0.00126 | 0.0000272 |
| 2047 Feb | 0.00000221 | 0.822 | 0.000621 | 1.19 | 0.00441 | 0.000115 | 0.722 | 0.00073 | 0.0014 | 0.0000232 | 0.0000584 | 0.0000313 | 0.0207 | 0.00000434 | 0.0000284 | 0.000221 | 0.0013 | 0.000026 |
| 2047 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2047 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2047 May | 0.0000024 | 0.811 | 0.000528 | 1.24 | 0.00164 | 0.0000512 | 0.783 | 0.000756 | 0.00104 | 0.0000244 | 0.0000521 | 0.0000265 | 0.0182 | 0.00000478 | 0.0000195 | 0.00024 | 0.00143 | 0.000028 |
| 2047 Jun | 0.00000223 | 1.02 | 0.00062 | 1.49 | 0.00446 | 0.000136 | 0.885 | 0.00109 | 0.00197 | 0.0000229 | 0.0000603 | 0.0000315 | 0.0266 | 0.00000431 | 0.0000323 | 0.000223 | 0.00129 | 0.0000335 |
| 2047 Jul | 0.00000244 | 0.656 | 0.000534 | 1.04 | 0.00344 | 0.0000557 | 0.618 | 0.000781 | 0.00107 | 0.0000245 | 0.0000531 | 0.0000269 | 0.0163 | 0.00000483 | 0.0000213 | 0.000244 | 0.00145 | 0.0000224 |
| 2047 Aug | 0.0000024 | 0.707 | 0.000559 | 0.994 | 0.00308 | 0.0000851 | 0.618 | 0.00063 | 0.00112 | 0.0000242 | 0.0000553 | 0.0000282 | 0.0182 | 0.00000472 | 0.0000256 | 0.00024 | 0.00142 | 0.0000358 |
| 2047 Sep | 0.00000206 | 0.814 | 0.000682 | 1.15 | 0.00711 | 0.000205 | 0.667 | 0.00112 | 0.00137 | 0.0000214 | 0.0000663 | 0.0000382 | 0.024 | 0.00000387 | 0.0000437 | 0.000206 | 0.00116 | 0.0000563 |
| 2047 Oct | 0.00000184 | 0.911 | 0.000743 | 1.24 | 0.00944 | 0.000277 | 0.693 | 0.00155 | 0.00149 | 0.000185 | 0.0000795 | 0.0000386 | 0.0277 | 0.00000334 | 0.0000547 | 0.000185 | 0.00123 | 0.000079 |
| 2047 Nov | 0.00000201 | 0.796 | 0.00068 | 1.12 | 0.00714 | 0.000212 | 0.646 | 0.00115 | 0.0017 | 0.0000233 | 0.0000663 | 0.0000351 | 0.0225 | 0.00000378 | 0.0000432 | 0.000202 | 0.00113 | 0.0000586 |
| 2047 Dec | 0.00000214 | 0.814 | 0.000635 | 1.17 | 0.00553 | 0.000165 | 0.693 | 0.00105 | 0.00144 | 0.0000238 | 0.0000623 | 0.0000326 | 0.0212 | 0.00000408 | 0.0000364 | 0.000214 | 0.00122 | 0.0000441 |
| 2048 Jan | 0.00000222 | 0.796 | 0.000606 | 1.16 | 0.00448 | 0.000135 | 0.695 | 0.000929 | 0.00141 | 0.000024 | 0.0000596 | 0.0000309 | 0.0198 | 0.00000428 | 0.0000315 | 0.000222 | 0.00128 | 0.0000345 |
| 2048 Feb | 0.00000224 | 0.79 | 0.000597 | 1.16 | 0.00415 | 0.000125 | 0.696 | 0.00089 | 0.0014 | 0.0000241 | 0.0000588 | 0.0000304 | 0.0194 | 0.00000434 | 0.00003 | 0.000224 | 0.0013 | 0.0000315 |
| 2048 Mar | 0.0000022 | 0.87 | 0.000612 | 1.26 | 0.00467 | 0.000141 | 0.759 | 0.0011 | 0.00155 | 0.000024 | 0.0000601 | 0.0000313 | 0.0213 | 0.00000424 | 0.0000336 | 0.00022 | 0.00127 | 0.0000364 |
| 2048 Apr | 0.00000249 | 0.768 | 0.000505 | 1.08 | 0.000771 | 0.0000306 | 0.738 | 0.000704 | 0.00131 | 0.000025 | 0.0000505 | 0.0000253 | 0.0128 | 0.00000496 | 0.0000164 | 0.000249 | 0.00149 | 0.0000266 |
| 2048 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2048 Jun | 0.00000222 | 0.998 | 0.000601 | 1.46 | 0.00433 | 0.000143 | 0.86 | 0.00117 | 0.00198 | 0.0000231 | 0.0000601 | 0.0000307 | 0.0257 | 0.00000425 | 0.0000334 | 0.000222 | 0.00128 | 0.0000413 |
| 2048 Jul | 0.00000227 | 0.73 | 0.000611 | 1.09 | 0.00585 | 0.000149 | 0.633 | 0.00119 | 0.00128 | 0.0000231 | 0.0000615 | 0.0000312 | 0.0198 | 0.00000434 | 0.000036 | 0.000227 | 0.0013 | 0.0000429 |
| 2048 Aug | 0.00000242 | 0.688 | 0.000542 | 0.973 | 0.0027 | 0.0000783 | 0.605 | 0.000624 | 0.0011 | 0.0000244 | 0.0000543 | 0.0000273 | 0.0174 | 0.00000477 | 0.0000246 | 0.000242 | 0.00143 | 0.0000316 |
| 2048 Sep | 0.00000229 | 0.752 | 0.00062 | 1.11 | 0.00501 | 0.000155 | 0.65 | 0.000937 | 0.00129 | 0.0000233 | 0.0000625 | 0.0000363 | 0.0211 | 0.00000436 | 0.0000362 | 0.000229 | 0.00131 | 0.0000484 |
| 2048 Oct | 0.00000201 | 0.88 | 0.000689 | 1.23 | 0.00803 | 0.000254 | 0.677 | 0.00161 | 0.00144 | 0.000306 | 0.000083 | 0.0000357 | 0.0257 | 0.00000363 | 0.0000519 | 0.0002 | 0.00148 | 0.0000776 |
| 2048 Nov | 0.00000184 | 0.831 | 0.000731 | 1.14 | 0.00986 | 0.000315 | 0.62 | 0.00179 | 0.00165 | 0.0000692 | 0.0000766 | 0.0000382 | 0.0252 | 0.00000319 | 0.0000609 | 0.000183 | 0.00102 | 0.0000984 |
| 2048 Dec | 0.00000198 | 0.823 | 0.000683 | 1.15 | 0.00794 | 0.000255 | 0.65 | 0.00155 | 0.00151 | 0.0000608 | 0.0000711 | 0.0000355 | 0.0233 | 0.00000357 | 0.0000513 | 0.000197 | 0.00112 | 0.0000779 |
| 2049 Jan | 0.00000209 | 0.803 | 0.000644 | 1.15 | 0.00636 | 0.000205 | 0.662 | 0.00132 | 0.00147 | 0.0000531 | 0.0000665 | 0.0000332 | 0.0214 | 0.00000389 | 0.0000432 | 0.000209 | 0.00121 | 0.0000609 |
| 2049 Feb | 0.00000223 | 0.779 | 0.000596 | 1.15 | 0.00449 | 0.000145 | 0.676 | 0.00104 | 0.00141 | 0.0000438 | 0.0000611 | 0.0000305 | 0.0193 | 0.00000425 | 0.0000335 | 0.000223 | 0.0013 | 0.0000439 |
| 2049 Mar | 0.00000238 | 0.845 | 0.000544 | 1.27 | 0.00241 | 0.00008 | 0.776 | 0.000929 | 0.00152 | 0.0000336 | 0.0000551 | 0.0000275 | 0.0185 | 0.00000466 | 0.0000242 | 0.000237 | 0.00141 | 0.0000361 |
| 2049 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2049 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2049 Jun | 0.00000222 | 0.979 | 0.000592 | 1.44 | 0.00428 | 0.000146 | 0.843 | 0.00121 | 0.00197 | 0.0000257 | 0.00006 | 0.0000301 | 0.0251 | 0.00000422 | 0.0000343 | 0.000221 | 0.00127 | 0.0000453 |
| 2049 Jul | 0.00000223 | 0.739 | 0.000626 | 1.09 | 0.00644 | 0.000176 | 0.625 | 0.00131 | 0.00132 | 0.0000229 | 0.0000637 | 0.000032 | 0.0203 | 0.00000419 | 0.0000408 | 0.000222 | 0.00125 | 0.0000505 |
| 2049 Aug | 0.0000023 | 0.733 | 0.000599 | 1.02 | 0.00474 | 0.000148 | 0.612 | 0.00098 | 0.00125 | 0.0000234 | 0.0000608 | 0.0000305 | 0.0197 | 0.00000439 | 0.0000361 | 0.000229 | 0.00132 | 0.0000391 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Sep | 0.00000215 | 0.738 | 0.000628 | 1.07 | 0.00602 | 0.000192 | 0.613 | 0.00113 | 0.00131 | 0.000022 | 0.0000641 | 0.0000358 | 0.0212 | 0.000004 | 0.0000426 | 0.000214 | 0.0012 | 0.000056 |
| 2049 Oct | 0.00000196 | 0.836 | 0.000686 | 1.16 | 0.00842 | 0.000273 | 0.631 | 0.00167 | 0.00142 | 0.000241 | 0.0000808 | 0.0000356 | 0.0247 | 0.00000346 | 0.0000559 | 0.000194 | 0.00134 | 0.0000831 |
| 2049 Nov | 0.00000197 | 0.768 | 0.000686 | 1.06 | 0.00828 | 0.00027 | 0.592 | 0.00154 | 0.00166 | 0.0000307 | 0.0000709 | 0.0000356 | 0.0223 | 0.00000348 | 0.0000546 | 0.000195 | 0.00106 | 0.0000823 |
| 2049 Dec | 0.00000214 | 0.778 | 0.000627 | 1.12 | 0.00588 | 0.000193 | 0.648 | 0.00125 | 0.00144 | 0.0000291 | 0.0000643 | 0.0000323 | 0.0203 | 0.00000396 | 0.0000421 | 0.000212 | 0.0012 | 0.0000563 |
| 2050 Jan | 0.00000221 | 0.768 | 0.0006 | 1.12 | 0.00478 | 0.000157 | 0.66 | 0.00109 | 0.00141 | 0.0000282 | 0.0000613 | 0.0000307 | 0.0192 | 0.00000418 | 0.0000361 | 0.00022 | 0.00126 | 0.0000444 |
| 2050 Feb | 0.00000228 | 0.759 | 0.000576 | 1.13 | 0.00379 | 0.000125 | 0.671 | 0.000941 | 0.00139 | 0.0000275 | 0.0000586 | 0.0000293 | 0.0181 | 0.00000438 | 0.0000307 | 0.000228 | 0.00132 | 0.0000362 |
| 2050 Mar | 0.00000226 | 0.837 | 0.000582 | 1.23 | 0.00403 | 0.000134 | 0.738 | 0.00114 | 0.00153 | 0.0000277 | 0.0000593 | 0.0000297 | 0.0197 | 0.00000433 | 0.0000333 | 0.000226 | 0.0013 | 0.0000434 |
| 2050 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2050 May | 0.0000025 | 0.8 | 0.000502 | 1.25 | 0.000682 | 0.0000272 | 0.792 | 0.000699 | 0.001 | 0.0000251 | 0.0000502 | 0.0000251 | 0.0171 | 0.00000499 | 0.0000159 | 0.00025 | 0.0015 | 0.0000224 |
| 2050 Jun | 0.00000226 | 0.975 | 0.000567 | 1.44 | 0.00348 | 0.000121 | 0.852 | 0.0011 | 0.00197 | 0.000025 | 0.0000575 | 0.0000287 | 0.0245 | 0.00000434 | 0.0000304 | 0.000225 | 0.0013 | 0.0000368 |
| 2050 Jul | 0.00000221 | 0.737 | 0.000621 | 1.09 | 0.00636 | 0.000173 | 0.623 | 0.0013 | 0.00133 | 0.000023 | 0.0000629 | 0.0000315 | 0.0202 | 0.00000415 | 0.0000404 | 0.00022 | 0.00124 | 0.0000491 |
| 2050 Aug | 0.00000243 | 0.678 | 0.000534 | 0.961 | 0.00251 | 0.0000726 | 0.6 | 0.000598 | 0.00109 | 0.0000245 | 0.0000535 | 0.0000268 | 0.017 | 0.00000478 | 0.0000238 | 0.000242 | 0.00143 | 0.0000256 |
| 2050 Sep | 0.00000208 | 0.778 | 0.000667 | 1.1 | 0.00725 | 0.00023 | 0.626 | 0.00135 | 0.00143 | 0.0000218 | 0.0000675 | 0.0000368 | 0.0228 | 0.0000038 | 0.000049 | 0.000207 | 0.00114 | 0.0000682 |
| 2050 Oct | 0.00000219 | 0.865 | 0.000623 | 1.24 | 0.00559 | 0.000177 | 0.693 | 0.0013 | 0.00131 | 0.00045 | 0.0000828 | 0.0000316 | 0.0238 | 0.00000411 | 0.0000403 | 0.000218 | 0.00183 | 0.0000558 |
| 2050 Nov | 0.00000244 | 0.642 | 0.000525 | 0.996 | 0.00166 | 0.0000554 | 0.606 | 0.000413 | 0.00179 | 0.0000245 | 0.0000526 | 0.0000263 | 0.0142 | 0.00000482 | 0.0000173 | 0.000244 | 0.00145 | 0.0000202 |
| 2050 Dec | 0.00000237 | 0.757 | 0.000553 | 1.14 | 0.00273 | 0.0000903 | 0.69 | 0.000788 | 0.00138 | 0.000024 | 0.0000556 | 0.0000279 | 0.0172 | 0.00000462 | 0.0000248 | 0.000236 | 0.00138 | 0.0000217 |
| 2051 Jan | 0.00000237 | 0.757 | 0.000554 | 1.14 | 0.00277 | 0.0000914 | 0.69 | 0.000793 | 0.00138 | 0.000024 | 0.0000557 | 0.0000279 | 0.0172 | 0.00000461 | 0.000025 | 0.000236 | 0.00138 | 0.0000221 |
| 2051 Feb | 0.00000238 | 0.753 | 0.000547 | 1.14 | 0.00248 | 0.0000822 | 0.692 | 0.00075 | 0.00137 | 0.0000241 | 0.0000549 | 0.0000275 | 0.0169 | 0.00000467 | 0.0000235 | 0.000238 | 0.0014 | 0.0000242 |
| 2051 Mar | 0.0000024 | 0.845 | 0.000541 | 1.27 | 0.00225 | 0.0000754 | 0.78 | 0.000914 | 0.00153 | 0.0000242 | 0.0000543 | 0.0000272 | 0.0183 | 0.00000471 | 0.0000238 | 0.00024 | 0.00141 | 0.0000259 |
| 2051 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2051 May | 0.00000247 | 0.8 | 0.000508 | 1.24 | 0.000968 | 0.0000362 | 0.786 | 0.000734 | 0.00102 | 0.0000248 | 0.0000509 | 0.0000254 | 0.0173 | 0.00000492 | 0.0000173 | 0.000247 | 0.00148 | 0.0000289 |
| 2051 Jun | 0.00000219 | 0.964 | 0.000595 | 1.41 | 0.00449 | 0.000152 | 0.825 | 0.00122 | 0.00194 | 0.0000223 | 0.00006 | 0.00003 | 0.0249 | 0.00000415 | 0.0000358 | 0.000218 | 0.00124 | 0.0000411 |
| 2051 Jul | 0.00000237 | 0.679 | 0.000561 | 1.05 | 0.00439 | 0.0000964 | 0.616 | 0.000968 | 0.00117 | 0.0000239 | 0.0000564 | 0.0000282 | 0.0174 | 0.00000461 | 0.0000284 | 0.000236 | 0.00138 | 0.0000324 |
| 2051 Aug | 0.00000222 | 0.753 | 0.000624 | 1.04 | 0.00571 | 0.000179 | 0.613 | 0.00112 | 0.00133 | 0.0000225 | 0.0000631 | 0.0000315 | 0.0208 | 0.00000415 | 0.0000418 | 0.00022 | 0.00124 | 0.0000478 |
| 2051 Sep | 0.00000214 | 0.75 | 0.000637 | 1.07 | 0.00625 | 0.000197 | 0.617 | 0.00116 | 0.00135 | 0.0000218 | 0.0000645 | 0.0000355 | 0.0216 | 0.00000394 | 0.0000445 | 0.000212 | 0.00118 | 0.0000554 |
| 2051 Oct | 0.00000193 | 0.825 | 0.000678 | 1.13 | 0.00825 | 0.000263 | 0.622 | 0.00159 | 0.00143 | 0.000224 | 0.0000783 | 0.0000345 | 0.0244 | 0.0000034 | 0.0000555 | 0.00019 | 0.0013 | 0.0000765 |
| 2051 Nov | 0.00000187 | 0.777 | 0.000695 | 1.05 | 0.00892 | 0.000286 | 0.582 | 0.00161 | 0.0016 | 0.0000467 | 0.0000718 | 0.0000354 | 0.0232 | 0.00000323 | 0.0000588 | 0.000184 | 0.001 | 0.0000837 |
| 2051 Dec | 0.00000205 | 0.778 | 0.00064 | 1.1 | 0.00656 | 0.000212 | 0.631 | 0.00131 | 0.00145 | 0.000041 | 0.0000656 | 0.0000324 | 0.0211 | 0.00000374 | 0.0000462 | 0.000203 | 0.00115 | 0.0000598 |
| 2052 Jan | 0.00000217 | 0.765 | 0.000602 | 1.11 | 0.00497 | 0.000161 | 0.651 | 0.00109 | 0.00141 | 0.0000367 | 0.0000614 | 0.0000304 | 0.0194 | 0.00000408 | 0.0000374 | 0.000216 | 0.00124 | 0.0000436 |
| 2052 Feb | 0.00000228 | 0.754 | 0.00057 | 1.12 | 0.00361 | 0.000118 | 0.668 | 0.000895 | 0.00138 | 0.000033 | 0.0000578 | 0.0000287 | 0.018 | 0.00000437 | 0.0000299 | 0.000227 | 0.00133 | 0.0000298 |
| 2052 Mar | 0.00000246 | 0.839 | 0.000513 | 1.28 | 0.00122 | 0.0000424 | 0.793 | 0.000775 | 0.0015 | 0.0000265 | 0.0000515 | 0.0000257 | 0.0172 | 0.00000488 | 0.0000184 | 0.000246 | 0.00147 | 0.0000345 |
| 2052 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2052 May | 0.00000232 | 0.805 | 0.00056 | 1.21 | 0.00309 | 0.000103 | 0.743 | 0.00099 | 0.00114 | 0.0000324 | 0.0000567 | 0.0000282 | 0.0192 | 0.00000449 | 0.0000287 | 0.000231 | 0.00136 | 0.0000597 |
| 2052 Jun | 0.00000221 | 0.962 | 0.000578 | 1.41 | 0.00393 | 0.000133 | 0.832 | 0.00113 | 0.00193 | 0.0000263 | 0.0000581 | 0.000029 | 0.0245 | 0.00000422 | 0.0000328 | 0.00022 | 0.00127 | 0.0000341 |
| 2052 Jul | 0.00000242 | 0.654 | 0.000534 | 1.03 | 0.00358 | 0.0000653 | 0.611 | 0.000834 | 0.0011 | 0.0000247 | 0.0000534 | 0.0000267 | 0.0163 | 0.00000476 | 0.0000232 | 0.000241 | 0.00143 | 0.0000219 |
| 2052 Aug | 0.00000231 | 0.722 | 0.000581 | 1.01 | 0.00415 | 0.000125 | 0.611 | 0.000858 | 0.00122 | 0.0000241 | 0.0000581 | 0.0000291 | 0.0191 | 0.00000444 | 0.0000328 | 0.00023 | 0.00133 | 0.0000418 |
| 2052 Sep | 0.00000221 | 0.741 | 0.000613 | 1.08 | 0.00518 | 0.00016 | 0.631 | 0.000963 | 0.00131 | 0.0000233 | 0.0000613 | 0.0000347 | 0.0209 | 0.00000417 | 0.000038 | 0.00022 | 0.00125 | 0.0000425 |
| 2052 Oct | 0.00000202 | 0.867 | 0.00068 | 1.2 | 0.00773 | 0.000243 | 0.668 | 0.00153 | 0.00148 | 0.000269 | 0.0000794 | 0.000034 | 0.0251 | 0.00000363 | 0.000052 | 0.000199 | 0.00143 | 0.0000688 |
| 2052 Nov | 0.00000219 | 0.728 | 0.000616 | 1.05 | 0.00517 | 0.000165 | 0.615 | 0.000987 | 0.00176 | 0.0000237 | 0.0000615 | 0.0000308 | 0.0191 | 0.00000412 | 0.000037 | 0.000218 | 0.00124 | 0.0000442 |
| 2052 Dec | 0.00000224 | 0.781 | 0.000598 | 1.14 | 0.00445 | 0.000143 | 0.677 | 0.00102 | 0.00145 | 0.000024 | 0.0000597 | 0.0000299 | 0.0193 | 0.00000426 | 0.0000342 | 0.000223 | 0.00128 | 0.0000372 |
| 2053 Jan | 0.00000225 | 0.779 | 0.000594 | 1.14 | 0.00432 | 0.000139 | 0.678 | 0.000998 | 0.00145 | 0.000024 | 0.0000594 | 0.0000297 | 0.0191 | 0.00000428 | 0.0000334 | 0.000224 | 0.00129 | 0.0000359 |
| 2053 Feb | 0.00000233 | 0.764 | 0.000565 | 1.14 | 0.00319 | 0.000103 | 0.686 | 0.000837 | 0.0014 | 0.0000243 | 0.0000565 | 0.0000282 | 0.0178 | 0.00000451 | 0.0000273 | 0.000232 | 0.00135 | 0.0000432 |
| 2053 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2053 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2053 May | 0.00000228 | 0.804 | 0.000562 | 1.2 | 0.00329 | 0.000108 | 0.738 | 0.001 | 0.00116 | 0.0000244 | 0.0000562 | 0.0000281 | 0.0193 | 0.00000441 | 0.0000293 | 0.000227 | 0.00132 | 0.000045 |
| 2053 Jun | 0.00000221 | 0.968 | 0.000591 | 1.41 | 0.00426 | 0.000142 | 0.831 | 0.00115 | 0.00194 | 0.0000226 | 0.0000592 | 0.0000295 | 0.0248 | 0.00000419 | 0.000035 | 0.000219 | 0.00126 | 0.0000355 |
| 2053 Jul | 0.00000245 | 0.644 | 0.000524 | 1.02 | 0.00324 | 0.0000519 | 0.61 | 0.000777 | 0.00107 | 0.0000246 | 0.0000524 | 0.0000262 | 0.0158 | 0.00000484 | 0.0000211 | 0.000244 | 0.00145 | 0.000023 |
| 2053 Aug | 0.00000238 | 0.707 | 0.000564 | 0.99 | 0.00342 | 0.000101 | 0.609 | 0.000728 | 0.00117 | 0.000024 | 0.0000563 | 0.0000281 | 0.0183 | 0.00000463 | 0.0000291 | 0.000237 | 0.00139 | 0.000034 |
| 2053 Sep | 0.00000227 | 0.751 | 0.000621 | 1.09 | 0.00508 | 0.000155 | 0.642 | 0.000926 | 0.00132 | 0.0000231 | 0.0000619 | 0.0000352 | 0.0211 | 0.00000429 | 0.000038 | 0.000225 | 0.00128 | 0.0000396 |
| 2053 Oct | 0.00000208 | 0.897 | 0.000702 | 1.24 | 0.00798 | 0.000249 | 0.689 | 0.00155 | 0.00153 | 0.000285 | 0.0000822 | 0.0000349 | 0.026 | 0.00000372 | 0.0000543 | 0.000205 | 0.00148 | 0.0000682 |
| 2053 Nov | 0.00000203 | 0.824 | 0.000715 | 1.13 | 0.00845 | 0.000266 | 0.638 | 0.0015 | 0.00179 | 0.0000245 | 0.0000713 | 0.0000355 | 0.0238 | 0.00000359 | 0.0000562 | 0.0002 | 0.00108 | 0.0000735 |
| 2053 Dec | 0.00000211 | 0.832 | 0.000676 | 1.16 | 0.00704 | 0.000223 | 0.673 | 0.00137 | 0.00159 | 0.0000248 | 0.0000674 | 0.0000336 | 0.0226 | 0.00000384 | 0.000049 | 0.000208 | 0.00115 | 0.0000602 |
| 2054 Jan | 0.0000022 | 0.809 | 0.000635 | 1.16 | 0.00558 | 0.000177 | 0.68 | 0.00116 | 0.00152 | 0.0000249 | 0.0000634 | 0.0000316 | 0.0208 | 0.00000411 | 0.0000409 | 0.000218 | 0.00123 | 0.0000463 |
| 2054 Feb | 0.00000213 | 0.827 | 0.000667 | 1.16 | 0.00673 | 0.000213 | 0.674 | 0.00133 | 0.00157 | 0.0000249 | 0.0000666 | 0.0000332 | 0.0223 | 0.0000039 | 0.0000472 | 0.00021 | 0.00117 | 0.0000573 |
| 2054 Mar | 0.00000215 | 0.873 | 0.000657 | 1.23 | 0.00635 | 0.000201 | 0.724 | 0.00138 | 0.00165 | 0.0000249 | 0.0000655 | 0.0000326 | 0.0227 | 0.00000396 | 0.000046 | 0.000213 | 0.00119 | 0.0000595 |
| 2054 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2054 May | 0.00000248 | 0.801 | 0.000507 | 1.24 | 0.000923 | 0.0000345 | 0.787 | 0.000725 | 0.00102 | 0.0000251 | 0.0000507 | 0.0000254 | 0.0173 | 0.00000493 | 0.0000171 | 0.000247 | 0.00148 | 0.0000225 |
| 2054 Jun | 0.00000217 | 0.955 | 0.000591 | 1.39 | 0.00438 | 0.000143 | 0.818 | 0.00114 | 0.00191 | 0.0000231 | 0.0000586 | 0.0000293 | 0.0247 | 0.00000412 | 0.0000349 | 0.000216 | 0.00124 | 0.0000354 |
| 2054 Jul | 0.00000216 | 0.734 | 0.000626 | 1.07 | 0.00649 | 0.00017 | 0.616 | 0.00123 | 0.00133 | 0.0000222 | 0.0000615 | 0.0000308 | 0.0204 | 0.00000404 | 0.0000408 | 0.000214 | 0.00121 | 0.0000437 |
| 2054 Aug | 0.00000217 | 0.715 | 0.0006 | 0.98 | 0.0052 | 0.000154 | 0.587 | 0.000971 | 0.00124 | 0.0000222 | 0.0000591 | 0.0000296 | 0.0197 | 0.00000411 | 0.0000376 | 0.000215 | 0.00123 | 0.0000373 |
| 2054 Sep | 0.00000206 | 0.727 | 0.000638 | 1.02 | 0.00647 | 0.000194 | 0.591 | 0.0011 | 0.00131 | 0.0000211 | 0.0000624 | 0.0000343 | 0.0213 | 0.00000379 | 0.0000442 | 0.000203 | 0.00114 | 0.0000509 |
| 2054 Oct | 0.00000195 | 0.817 | 0.000662 | 1.12 | 0.0075 | 0.000227 | 0.623 | 0.0014 | 0.00135 | 0.000298 | 0.0000774 | 0.0000325 | 0.024 | 0.00000351 | 0.0000499 | 0.000192 | 0.00144 | 0.000061 |
| 2054 Nov | 0.00000179 | 0.781 | 0.000713 | 1.04 | 0.00942 | 0.000288 | 0.575 | 0.00158 | 0.00157 | 0.0000804 | 0.0000719 | 0.0000347 | 0.024 | 0.00000308 | 0.0000597 | 0.000176 | 0.00101 | 0.0000793 |
| 2054 Dec | 0.00000197 | 0.782 | 0.000663 | 1.08 | 0.00734 | 0.000225 | 0.618 | 0.00134 | 0.00146 | 0.0000676 | 0.0000668 | 0.0000325 | 0.022 | 0.00000355 | 0.000049 | 0.000194 | 0.00113 | 0.0000604 |
| 2055 Jan | 0.00000213 | 0.767 | 0.000614 | 1.1 | 0.00535 | 0.000165 | 0.644 | 0.00109 | 0.00141 | 0.0000549 | 0.0000618 | 0.0000302 | 0.0199 | 0.00000398 | 0.0000385 | 0.000211 | 0.00124 | 0.0000424 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2055 Feb | 0.00000218 | 0.761 | 0.000597 | 1.1 | 0.00463 | 0.000144 | 0.653 | 0.000993 | 0.00139 | 0.0000503 | 0.00006 | 0.0000294 | 0.0191 | 0.00000414 | 0.0000347 | 0.000217 | 0.00128 | 0.0000358 |
| 2055 Mar | 0.00000228 | 0.832 | 0.000569 | 1.22 | 0.00349 | 0.00011 | 0.741 | 0.00101 | 0.00151 | 0.000043 | 0.0000571 | 0.0000282 | 0.0193 | 0.00000439 | 0.0000299 | 0.000226 | 0.00134 | 0.0000344 |
| 2055 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2055 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2055 Jun | 0.00000221 | 0.964 | 0.000574 | 1.42 | 0.00371 | 0.000121 | 0.837 | 0.00106 | 0.00196 | 0.0000278 | 0.0000566 | 0.0000282 | 0.0245 | 0.00000424 | 0.000031 | 0.00022 | 0.00128 | 0.0000307 |
| 2055 Jul | 0.00000227 | 0.702 | 0.000587 | 1.05 | 0.00519 | 0.000122 | 0.616 | 0.00104 | 0.00124 | 0.0000236 | 0.0000577 | 0.0000288 | 0.0187 | 0.00000436 | 0.0000329 | 0.000226 | 0.00131 | 0.0000286 |
| 2055 Aug | 0.00000219 | 0.735 | 0.00061 | 1.01 | 0.00531 | 0.000156 | 0.603 | 0.000992 | 0.0013 | 0.0000227 | 0.0000596 | 0.0000297 | 0.0202 | 0.00000413 | 0.0000384 | 0.000217 | 0.00124 | 0.0000373 |
| 2055 Sep | 0.00000209 | 0.713 | 0.00061 | 1.02 | 0.00559 | 0.000165 | 0.595 | 0.000959 | 0.00128 | 0.0000217 | 0.0000595 | 0.0000332 | 0.0205 | 0.00000391 | 0.0000394 | 0.000207 | 0.00117 | 0.0000412 |
| 2055 Oct | 0.00000184 | 0.799 | 0.000684 | 1.07 | 0.00851 | 0.000255 | 0.598 | 0.00148 | 0.00144 | 0.000168 | 0.0000728 | 0.0000331 | 0.0241 | 0.00000323 | 0.0000551 | 0.00018 | 0.00118 | 0.0000674 |
| 2055 Nov | 0.00000189 | 0.744 | 0.000674 | 1.01 | 0.00795 | 0.00024 | 0.574 | 0.00132 | 0.00162 | 0.0000205 | 0.000065 | 0.0000327 | 0.0219 | 0.00000337 | 0.0000516 | 0.000186 | 0.00101 | 0.000063 |
| 2055 Dec | 0.00000197 | 0.769 | 0.000655 | 1.06 | 0.00711 | 0.000215 | 0.613 | 0.00128 | 0.00147 | 0.0000212 | 0.0000634 | 0.0000318 | 0.0215 | 0.00000356 | 0.0000477 | 0.000194 | 0.00107 | 0.0000557 |
| 2056 Jan | 0.00000214 | 0.757 | 0.000605 | 1.08 | 0.00506 | 0.000154 | 0.642 | 0.00102 | 0.00141 | 0.0000224 | 0.0000591 | 0.0000297 | 0.0194 | 0.00000402 | 0.0000369 | 0.000212 | 0.00121 | 0.0000379 |
| 2056 Feb | 0.00000204 | 0.764 | 0.000634 | 1.07 | 0.00623 | 0.000189 | 0.626 | 0.00117 | 0.00145 | 0.0000217 | 0.0000616 | 0.0000309 | 0.0206 | 0.00000376 | 0.000043 | 0.000202 | 0.00113 | 0.000048 |
| 2056 Mar | 0.00000237 | 0.832 | 0.000539 | 1.25 | 0.00228 | 0.0000727 | 0.766 | 0.000872 | 0.00151 | 0.000024 | 0.0000534 | 0.0000267 | 0.0181 | 0.00000464 | 0.0000237 | 0.000236 | 0.00139 | 0.0000393 |
| 2056 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2056 May | 0.00000242 | 0.795 | 0.000517 | 1.22 | 0.00145 | 0.0000498 | 0.77 | 0.000773 | 0.00104 | 0.0000243 | 0.0000515 | 0.0000257 | 0.0176 | 0.00000478 | 0.0000198 | 0.000241 | 0.00143 | 0.0000248 |
| 2056 Jun | 0.00000217 | 0.952 | 0.0006 | 1.38 | 0.00456 | 0.000144 | 0.813 | 0.00114 | 0.00191 | 0.0000222 | 0.0000586 | 0.0000292 | 0.0247 | 0.0000041 | 0.0000358 | 0.000215 | 0.00123 | 0.0000341 |
| 2056 Jul | 0.00000239 | 0.659 | 0.000543 | 1.03 | 0.00385 | 0.0000725 | 0.609 | 0.000848 | 0.00111 | 0.000024 | 0.0000537 | 0.0000268 | 0.0166 | 0.00000468 | 0.0000247 | 0.000238 | 0.0014 | 0.0000234 |
| 2056 Aug | 0.00000248 | 0.656 | 0.000507 | 0.935 | 0.00157 | 0.0000407 | 0.594 | 0.000433 | 0.00102 | 0.0000249 | 0.0000506 | 0.0000253 | 0.0159 | 0.00000495 | 0.0000187 | 0.000248 | 0.00149 | 0.0000157 |
| 2056 Sep | 0.00000229 | 0.717 | 0.00059 | 1.06 | 0.00412 | 0.000119 | 0.631 | 0.000733 | 0.00124 | 0.0000233 | 0.0000576 | 0.0000335 | 0.0198 | 0.00000439 | 0.000032 | 0.000227 | 0.00132 | 0.0000323 |
| 2056 Oct | 0.00000197 | 0.827 | 0.000645 | 1.14 | 0.00687 | 0.000203 | 0.643 | 0.0013 | 0.00139 | 0.000296 | 0.0000747 | 0.000031 | 0.0238 | 0.00000358 | 0.0000464 | 0.000194 | 0.00146 | 0.0000512 |
| 2056 Nov | 0.00000187 | 0.764 | 0.00067 | 1.04 | 0.00787 | 0.000235 | 0.59 | 0.00132 | 0.00162 | 0.0000479 | 0.0000652 | 0.0000321 | 0.0224 | 0.00000331 | 0.0000511 | 0.000183 | 0.00103 | 0.0000602 |
| 2056 Dec | 0.00000206 | 0.771 | 0.000618 | 1.09 | 0.00567 | 0.000171 | 0.641 | 0.0011 | 0.00145 | 0.0000413 | 0.0000606 | 0.0000299 | 0.0204 | 0.00000383 | 0.00004 | 0.000203 | 0.00118 | 0.0000418 |
| 2057 Jan | 0.00000218 | 0.76 | 0.000587 | 1.1 | 0.00434 | 0.000132 | 0.658 | 0.000932 | 0.00141 | 0.000037 | 0.0000578 | 0.0000286 | 0.0189 | 0.00000414 | 0.000033 | 0.000216 | 0.00126 | 0.0000306 |
| 2057 Feb | 0.00000226 | 0.752 | 0.000565 | 1.11 | 0.00343 | 0.000105 | 0.67 | 0.000819 | 0.00138 | 0.000034 | 0.0000558 | 0.0000277 | 0.0179 | 0.00000436 | 0.0000282 | 0.000224 | 0.00132 | 0.0000247 |
| 2057 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2057 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2057 May | 0.00000236 | 0.794 | 0.000528 | 1.21 | 0.00197 | 0.0000643 | 0.756 | 0.00082 | 0.00107 | 0.0000289 | 0.0000525 | 0.0000261 | 0.0181 | 0.00000464 | 0.0000222 | 0.000235 | 0.0014 | 0.0000217 |
| 2057 Jun | 0.00000219 | 0.951 | 0.000584 | 1.39 | 0.00402 | 0.000127 | 0.822 | 0.00106 | 0.0019 | 0.0000242 | 0.0000568 | 0.0000283 | 0.0244 | 0.00000417 | 0.0000327 | 0.000217 | 0.00125 | 0.0000282 |
| 2057 Jul | 0.00000231 | 0.68 | 0.000567 | 1.03 | 0.00458 | 0.000098 | 0.611 | 0.000934 | 0.00117 | 0.000024 | 0.0000555 | 0.0000277 | 0.0177 | 0.00000447 | 0.0000291 | 0.00023 | 0.00134 | 0.000024 |
| 2057 Aug | 0.00000239 | 0.686 | 0.000545 | 0.964 | 0.00287 | 0.0000794 | 0.601 | 0.000615 | 0.00111 | 0.0000244 | 0.0000537 | 0.0000268 | 0.0175 | 0.00000468 | 0.0000255 | 0.000238 | 0.00141 | 0.0000175 |
| 2057 Sep | 0.00000217 | 0.711 | 0.000595 | 1.03 | 0.00474 | 0.000135 | 0.611 | 0.000803 | 0.00124 | 0.0000227 | 0.0000575 | 0.0000329 | 0.02 | 0.00000413 | 0.0000347 | 0.000215 | 0.00124 | 0.0000306 |
| 2057 Oct | 0.00000185 | 0.794 | 0.000661 | 1.07 | 0.00771 | 0.000224 | 0.607 | 0.00132 | 0.00139 | 0.000197 | 0.0000707 | 0.0000317 | 0.0236 | 0.00000331 | 0.0000501 | 0.000182 | 0.00124 | 0.0000548 |
| 2057 Nov | 0.00000192 | 0.733 | 0.000651 | 1 | 0.00711 | 0.000208 | 0.579 | 0.00114 | 0.0016 | 0.0000279 | 0.000062 | 0.0000313 | 0.0211 | 0.00000347 | 0.0000463 | 0.000188 | 0.00105 | 0.0000504 |
| 2057 Dec | 0.00000209 | 0.755 | 0.000607 | 1.08 | 0.00521 | 0.000154 | 0.638 | 0.000996 | 0.00141 | 0.0000272 | 0.0000585 | 0.0000294 | 0.0197 | 0.00000393 | 0.0000371 | 0.000207 | 0.00119 | 0.0000355 |
| 2058 Jan | 0.00000217 | 0.751 | 0.000587 | 1.09 | 0.00435 | 0.000129 | 0.65 | 0.000898 | 0.00139 | 0.0000268 | 0.0000569 | 0.0000286 | 0.0188 | 0.00000413 | 0.0000327 | 0.000215 | 0.00124 | 0.0000288 |
| 2058 Feb | 0.00000227 | 0.744 | 0.00056 | 1.1 | 0.00323 | 0.0000974 | 0.667 | 0.00077 | 0.00136 | 0.0000263 | 0.0000548 | 0.0000275 | 0.0176 | 0.0000044 | 0.0000269 | 0.000226 | 0.00132 | 0.0000266 |
| 2058 Mar | 0.00000241 | 0.833 | 0.000524 | 1.26 | 0.0017 | 0.0000544 | 0.779 | 0.000802 | 0.0015 | 0.0000255 | 0.0000519 | 0.000026 | 0.0176 | 0.00000475 | 0.0000206 | 0.00024 | 0.00143 | 0.0000148 |
| 2058 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2058 May | 0.00000241 | 0.795 | 0.000517 | 1.22 | 0.00144 | 0.0000483 | 0.769 | 0.000763 | 0.00104 | 0.0000254 | 0.0000513 | 0.0000256 | 0.0176 | 0.00000478 | 0.0000195 | 0.000241 | 0.00143 | 0.0000199 |
| 2058 Jun | 0.00000217 | 0.957 | 0.000598 | 1.38 | 0.00442 | 0.000137 | 0.819 | 0.00109 | 0.00192 | 0.0000226 | 0.0000578 | 0.0000288 | 0.0248 | 0.00000412 | 0.0000349 | 0.000215 | 0.00124 | 0.0000299 |
| 2058 Jul | 0.00000246 | 0.638 | 0.000519 | 1.01 | 0.00306 | 0.0000439 | 0.608 | 0.000738 | 0.00105 | 0.0000247 | 0.0000516 | 0.0000257 | 0.0155 | 0.00000488 | 0.0000199 | 0.000245 | 0.00146 | 0.0000171 |
| 2058 Aug | 0.00000249 | 0.656 | 0.000507 | 0.936 | 0.00157 | 0.0000406 | 0.595 | 0.000431 | 0.00102 | 0.0000249 | 0.0000506 | 0.0000253 | 0.0159 | 0.00000496 | 0.0000188 | 0.000248 | 0.00149 | 0.0000143 |
| 2058 Sep | 0.00000221 | 0.716 | 0.000596 | 1.03 | 0.00461 | 0.000133 | 0.615 | 0.000767 | 0.00125 | 0.0000226 | 0.0000581 | 0.0000331 | 0.02 | 0.00000419 | 0.0000353 | 0.000218 | 0.00126 | 0.0000283 |
| 2058 Oct | 0.00000192 | 0.807 | 0.000664 | 1.08 | 0.00761 | 0.000226 | 0.612 | 0.00128 | 0.0014 | 0.000214 | 0.0000733 | 0.0000321 | 0.0238 | 0.00000338 | 0.000053 | 0.000186 | 0.00128 | 0.0000516 |
| 2058 Nov | 0.0000019 | 0.76 | 0.000679 | 1.01 | 0.00803 | 0.00024 | 0.577 | 0.00124 | 0.00159 | 0.0000314 | 0.0000663 | 0.0000327 | 0.0224 | 0.0000033 | 0.0000552 | 0.000183 | 0.00101 | 0.000055 |
| 2058 Dec | 0.00000208 | 0.768 | 0.000627 | 1.07 | 0.00586 | 0.000176 | 0.631 | 0.00105 | 0.00143 | 0.0000298 | 0.0000615 | 0.0000305 | 0.0205 | 0.00000381 | 0.0000432 | 0.000203 | 0.00115 | 0.0000387 |
| 2059 Jan | 0.0000022 | 0.758 | 0.000592 | 1.09 | 0.00442 | 0.000134 | 0.651 | 0.000891 | 0.0014 | 0.0000285 | 0.0000583 | 0.0000289 | 0.0189 | 0.00000414 | 0.0000351 | 0.000216 | 0.00125 | 0.0000279 |
| 2059 Feb | 0.00000222 | 0.755 | 0.000583 | 1.09 | 0.00408 | 0.000124 | 0.656 | 0.000854 | 0.00139 | 0.0000282 | 0.0000576 | 0.0000286 | 0.0185 | 0.00000422 | 0.0000331 | 0.000219 | 0.00127 | 0.0000254 |
| 2059 Mar | 0.00000213 | 0.82 | 0.000612 | 1.16 | 0.00523 | 0.000158 | 0.691 | 0.0011 | 0.00152 | 0.0000293 | 0.0000602 | 0.0000298 | 0.0208 | 0.00000395 | 0.0000406 | 0.000209 | 0.0012 | 0.0000341 |
| 2059 Apr | 0.00000236 | 0.771 | 0.000542 | 1.06 | 0.00232 | 0.0000755 | 0.708 | 0.000837 | 0.00134 | 0.0000266 | 0.0000538 | 0.0000268 | 0.0148 | 0.0000046 | 0.000025 | 0.000234 | 0.00139 | 0.0000387 |
| 2059 May | 0.00000242 | 0.796 | 0.000518 | 1.22 | 0.00147 | 0.0000499 | 0.769 | 0.000762 | 0.00104 | 0.0000259 | 0.0000516 | 0.0000257 | 0.0177 | 0.00000477 | 0.0000202 | 0.000241 | 0.00143 | 0.0000196 |
| 2059 Jun | 0.00000222 | 0.955 | 0.00058 | 1.39 | 0.00379 | 0.00012 | 0.827 | 0.00101 | 0.0019 | 0.0000243 | 0.0000569 | 0.0000281 | 0.0243 | 0.00000423 | 0.0000328 | 0.000219 | 0.00127 | 0.0000239 |
| 2059 Jul | 0.00000245 | 0.639 | 0.00052 | 1.01 | 0.00312 | 0.0000465 | 0.607 | 0.000742 | 0.00105 | 0.0000248 | 0.0000518 | 0.0000258 | 0.0156 | 0.00000485 | 0.0000205 | 0.000244 | 0.00146 | 0.0000111 |
| 2059 Aug | 0.00000242 | 0.68 | 0.000536 | 0.956 | 0.00253 | 0.0000698 | 0.6 | 0.000559 | 0.00109 | 0.0000247 | 0.0000532 | 0.0000265 | 0.0171 | 0.00000476 | 0.0000243 | 0.000241 | 0.00143 | 0.0000205 |
| 2059 Sep | 0.00000217 | 0.724 | 0.000605 | 1.03 | 0.00503 | 0.000145 | 0.613 | 0.000821 | 0.00126 | 0.0000229 | 0.0000589 | 0.0000329 | 0.0204 | 0.00000407 | 0.0000381 | 0.000213 | 0.00122 | 0.0000302 |
| 2059 Oct | 0.0000019 | 0.8 | 0.000652 | 1.07 | 0.00732 | 0.000213 | 0.609 | 0.00122 | 0.00136 | 0.000236 | 0.0000724 | 0.0000311 | 0.0235 | 0.00000337 | 0.0000505 | 0.000184 | 0.00131 | 0.000047 |
| 2059 Nov | 0.00000189 | 0.753 | 0.000667 | 1 | 0.00765 | 0.000224 | 0.577 | 0.00117 | 0.00156 | 0.0000544 | 0.0000652 | 0.0000317 | 0.022 | 0.00000333 | 0.0000519 | 0.000183 | 0.00105 | 0.0000497 |
| 2059 Dec | 0.00000207 | 0.765 | 0.000619 | 1.07 | 0.00565 | 0.000167 | 0.631 | 0.00101 | 0.00141 | 0.0000462 | 0.0000609 | 0.0000298 | 0.0203 | 0.00000381 | 0.0000413 | 0.000202 | 0.00118 | 0.0000354 |
| 2060 Jan | 0.00000219 | 0.755 | 0.000586 | 1.09 | 0.00425 | 0.000127 | 0.652 | 0.00086 | 0.00138 | 0.0000402 | 0.0000578 | 0.0000284 | 0.0188 | 0.00000415 | 0.0000335 | 0.000216 | 0.00127 | 0.0000254 |
| 2060 Feb | 0.00000226 | 0.749 | 0.000565 | 1.1 | 0.00339 | 0.000102 | 0.665 | 0.000769 | 0.00136 | 0.0000365 | 0.0000559 | 0.0000276 | 0.0178 | 0.00000435 | 0.0000288 | 0.000224 | 0.00133 | 0.0000207 |
| 2060 Mar | 0.0000024 | 0.834 | 0.000527 | 1.26 | 0.00179 | 0.000057 | 0.776 | 0.000801 | 0.0015 | 0.0000298 | 0.0000525 | 0.0000261 | 0.0177 | 0.00000473 | 0.0000215 | 0.000239 | 0.00143 | 0.0000206 |
| 2060 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2060 May | 0.00000227 | 0.796 | 0.000555 | 1.18 | 0.00301 | 0.0000924 | 0.734 | 0.000894 | 0.00112 | 0.000027 | 0.0000544 | 0.000027 | 0.019 | 0.0000044 | 0.0000279 | 0.000225 | 0.00133 | 0.0000248 |
| 2060 Jun | 0.00000222 | 0.964 | 0.00059 | 1.4 | 0.00396 | 0.000122 | 0.834 | 0.00102 | 0.00192 | 0.0000237 | 0.0000569 | 0.0000283 | 0.0246 | 0.00000424 | 0.0000327 | 0.00022 | 0.00127 | 0.0000241 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jul | 0.0000024 | 0.654 | 0.00054 | 1.02 | 0.00368 | 0.0000647 | 0.609 | 0.000805 | 0.00109 | 0.0000245 | 0.0000531 | 0.0000265 | 0.0164 | 0.00000472 | 0.0000237 | 0.000239 | 0.00142 | 0.0000205 |
| 2060 Aug | 0.00000218 | 0.715 | 0.000595 | 0.974 | 0.00485 | 0.000135 | 0.592 | 0.000846 | 0.00122 | 0.0000228 | 0.000057 | 0.0000284 | 0.0195 | 0.00000414 | 0.0000359 | 0.000216 | 0.00124 | 0.0000262 |
| 2060 Sep | 0.00000214 | 0.691 | 0.000588 | 0.99 | 0.00469 | 0.00013 | 0.591 | 0.000735 | 0.0012 | 0.000022 | 0.0000563 | 0.000032 | 0.0196 | 0.00000405 | 0.0000347 | 0.000211 | 0.00122 | 0.000026 |
| 2060 Oct | 0.00000186 | 0.8 | 0.000684 | 1.06 | 0.00814 | 0.00023 | 0.6 | 0.00127 | 0.0014 | 0.000197 | 0.0000717 | 0.0000319 | 0.0242 | 0.00000328 | 0.0000535 | 0.00018 | 0.00123 | 0.0000505 |
| 2060 Nov | 0.00000187 | 0.753 | 0.00069 | 0.992 | 0.00818 | 0.000233 | 0.572 | 0.00119 | 0.0016 | 0.0000313 | 0.0000646 | 0.0000322 | 0.0225 | 0.00000329 | 0.0000533 | 0.000181 | 0.001 | 0.0000512 |
| 2060 Dec | 0.00000206 | 0.764 | 0.000633 | 1.06 | 0.00589 | 0.00017 | 0.629 | 0.00101 | 0.00143 | 0.0000296 | 0.0000602 | 0.00003 | 0.0205 | 0.00000382 | 0.0000415 | 0.000202 | 0.00116 | 0.0000355 |
| 2061 Jan | 0.00000215 | 0.757 | 0.000606 | 1.08 | 0.00483 | 0.00014 | 0.645 | 0.000905 | 0.0014 | 0.0000287 | 0.0000581 | 0.000029 | 0.0194 | 0.00000406 | 0.0000359 | 0.000212 | 0.00123 | 0.0000283 |
| 2061 Feb | 0.00000221 | 0.753 | 0.000588 | 1.09 | 0.00412 | 0.00012 | 0.655 | 0.000832 | 0.00138 | 0.0000281 | 0.0000567 | 0.0000283 | 0.0186 | 0.00000422 | 0.0000321 | 0.000219 | 0.00127 | 0.0000235 |
| 2061 Mar | 0.00000229 | 0.828 | 0.000563 | 1.22 | 0.00315 | 0.0000937 | 0.744 | 0.000905 | 0.00151 | 0.0000272 | 0.0000548 | 0.0000274 | 0.0189 | 0.00000444 | 0.0000282 | 0.000227 | 0.00134 | 0.0000238 |
| 2061 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2061 May | 0.00000236 | 0.794 | 0.000532 | 1.2 | 0.00204 | 0.0000645 | 0.754 | 0.000803 | 0.00107 | 0.0000265 | 0.0000524 | 0.0000261 | 0.0181 | 0.00000463 | 0.0000227 | 0.000235 | 0.00139 | 0.0000216 |
| 2061 Jun | 0.00000218 | 0.954 | 0.000586 | 1.38 | 0.00402 | 0.000122 | 0.822 | 0.00101 | 0.00192 | 0.0000227 | 0.0000561 | 0.0000278 | 0.0245 | 0.00000416 | 0.0000329 | 0.000216 | 0.00125 | 0.0000237 |
| 2061 Jul | 0.0000022 | 0.711 | 0.000602 | 1.04 | 0.00562 | 0.00013 | 0.61 | 0.00102 | 0.00128 | 0.0000226 | 0.0000571 | 0.0000284 | 0.0194 | 0.00000417 | 0.0000356 | 0.000217 | 0.00125 | 0.0000258 |
| 2061 Aug | 0.0000023 | 0.704 | 0.000571 | 0.972 | 0.00379 | 0.000103 | 0.6 | 0.000709 | 0.00119 | 0.0000234 | 0.000055 | 0.0000273 | 0.0186 | 0.00000444 | 0.0000303 | 0.000228 | 0.00133 | 0.0000188 |
| 2061 Sep | 0.00000217 | 0.715 | 0.0006 | 1.03 | 0.00483 | 0.000132 | 0.611 | 0.000769 | 0.00127 | 0.0000223 | 0.0000569 | 0.0000322 | 0.0202 | 0.0000041 | 0.0000352 | 0.000214 | 0.00123 | 0.0000264 |
| 2061 Oct | 0.00000193 | 0.796 | 0.000631 | 1.09 | 0.00653 | 0.000181 | 0.619 | 0.00113 | 0.00133 | 0.000294 | 0.0000712 | 0.0000291 | 0.023 | 0.00000352 | 0.0000442 | 0.000189 | 0.00144 | 0.0000382 |
| 2061 Nov | 0.0000018 | 0.74 | 0.000665 | 0.977 | 0.00786 | 0.00022 | 0.564 | 0.00117 | 0.00155 | 0.0000496 | 0.0000622 | 0.0000303 | 0.0221 | 0.00000318 | 0.0000507 | 0.000174 | 0.000997 | 0.0000474 |
| 2061 Dec | 0.000002 | 0.752 | 0.000618 | 1.04 | 0.0058 | 0.000164 | 0.618 | 0.001 | 0.00141 | 0.000043 | 0.0000588 | 0.0000288 | 0.0203 | 0.00000371 | 0.0000404 | 0.000196 | 0.00114 | 0.0000338 |
| 2062 Jan | 0.00000215 | 0.746 | 0.000584 | 1.07 | 0.00432 | 0.000124 | 0.643 | 0.00085 | 0.00138 | 0.0000378 | 0.0000562 | 0.0000277 | 0.0187 | 0.00000408 | 0.0000327 | 0.000212 | 0.00125 | 0.000024 |
| 2062 Feb | 0.00000221 | 0.743 | 0.00057 | 1.08 | 0.00371 | 0.000107 | 0.654 | 0.000788 | 0.00137 | 0.0000357 | 0.0000552 | 0.0000272 | 0.0181 | 0.00000423 | 0.0000295 | 0.000218 | 0.00129 | 0.00002 |
| 2062 Mar | 0.00000247 | 0.838 | 0.000506 | 1.28 | 0.000939 | 0.0000323 | 0.798 | 0.00073 | 0.0015 | 0.0000259 | 0.0000505 | 0.0000252 | 0.017 | 0.00000493 | 0.0000168 | 0.000247 | 0.00148 | 0.0000183 |
| 2062 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2062 May | 0.0000025 | 0.8 | 0.0005 | 1.25 | 0.000615 | 0.000025 | 0.793 | 0.00069 | 0.001 | 0.000025 | 0.00005 | 0.000025 | 0.017 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2062 Jun | 0.00000222 | 0.964 | 0.000564 | 1.41 | 0.00326 | 0.0000996 | 0.843 | 0.000932 | 0.00196 | 0.000025 | 0.0000541 | 0.0000269 | 0.0243 | 0.00000428 | 0.0000286 | 0.00022 | 0.00129 | 0.0000221 |
| 2062 Jul | 0.00000231 | 0.682 | 0.000568 | 1.03 | 0.00456 | 0.0000932 | 0.61 | 0.000887 | 0.00119 | 0.0000235 | 0.0000548 | 0.0000272 | 0.0178 | 0.00000446 | 0.0000293 | 0.000228 | 0.00134 | 0.0000182 |
| 2062 Aug | 0.00000222 | 0.73 | 0.000604 | 0.988 | 0.00489 | 0.000134 | 0.602 | 0.000829 | 0.00128 | 0.0000228 | 0.0000575 | 0.0000284 | 0.02 | 0.0000042 | 0.0000368 | 0.000218 | 0.00126 | 0.0000241 |
| 2062 Sep | 0.00000217 | 0.697 | 0.000587 | 0.997 | 0.00455 | 0.000126 | 0.597 | 0.000703 | 0.00122 | 0.0000222 | 0.0000563 | 0.0000318 | 0.0196 | 0.0000041 | 0.000035 | 0.000213 | 0.00123 | 0.000023 |
| 2062 Oct | 0.00000193 | 0.792 | 0.000639 | 1.06 | 0.00683 | 0.000193 | 0.603 | 0.00111 | 0.00131 | 0.000293 | 0.0000728 | 0.0000296 | 0.0231 | 0.00000344 | 0.0000484 | 0.000186 | 0.00141 | 0.0000375 |
| 2062 Nov | 0.00000184 | 0.75 | 0.000679 | 0.972 | 0.00812 | 0.00023 | 0.56 | 0.00115 | 0.00155 | 0.0000729 | 0.0000656 | 0.0000309 | 0.0224 | 0.00000317 | 0.0000553 | 0.000176 | 0.00103 | 0.000046 |
| 2062 Dec | 0.00000202 | 0.762 | 0.000634 | 1.04 | 0.00618 | 0.000177 | 0.613 | 0.00101 | 0.00142 | 0.0000604 | 0.0000616 | 0.0000294 | 0.0208 | 0.00000366 | 0.0000447 | 0.000196 | 0.00115 | 0.000034 |
| 2063 Jan | 0.00000215 | 0.753 | 0.000598 | 1.06 | 0.00471 | 0.000136 | 0.638 | 0.00087 | 0.00139 | 0.0000509 | 0.0000585 | 0.0000282 | 0.0192 | 0.00000402 | 0.0000364 | 0.00021 | 0.00125 | 0.0000249 |
| 2063 Feb | 0.00000228 | 0.745 | 0.000561 | 1.09 | 0.00319 | 0.0000941 | 0.663 | 0.000722 | 0.00135 | 0.0000411 | 0.0000553 | 0.000027 | 0.0176 | 0.00000439 | 0.0000279 | 0.000225 | 0.00134 | 0.0000181 |
| 2063 Mar | 0.0000023 | 0.826 | 0.000556 | 1.21 | 0.00299 | 0.0000889 | 0.742 | 0.000877 | 0.0015 | 0.0000399 | 0.0000549 | 0.0000269 | 0.0188 | 0.00000444 | 0.0000281 | 0.000227 | 0.00135 | 0.0000193 |
| 2063 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2063 May | 0.00000244 | 0.799 | 0.000517 | 1.23 | 0.00132 | 0.0000443 | 0.775 | 0.000743 | 0.00104 | 0.000029 | 0.0000514 | 0.0000255 | 0.0176 | 0.00000483 | 0.0000193 | 0.000243 | 0.00146 | 0.0000149 |
| 2063 Jun | 0.00000215 | 0.943 | 0.000582 | 1.36 | 0.00404 | 0.00012 | 0.808 | 0.000976 | 0.00191 | 0.0000234 | 0.0000554 | 0.0000273 | 0.0243 | 0.00000408 | 0.0000333 | 0.000212 | 0.00123 | 0.0000211 |
| 2063 Jul | 0.00000237 | 0.659 | 0.000543 | 1.02 | 0.00382 | 0.0000681 | 0.607 | 0.000801 | 0.00112 | 0.000024 | 0.0000528 | 0.0000263 | 0.0167 | 0.00000464 | 0.0000247 | 0.000235 | 0.00139 | 0.0000175 |
| 2063 Aug | 0.00000249 | 0.653 | 0.000504 | 0.932 | 0.00146 | 0.0000369 | 0.594 | 0.000413 | 0.00101 | 0.0000249 | 0.0000502 | 0.0000251 | 0.0158 | 0.00000498 | 0.0000181 | 0.000249 | 0.00149 | 0.0000037 |
| 2063 Sep | 0.00000237 | 0.69 | 0.000557 | 1.03 | 0.0029 | 0.0000769 | 0.628 | 0.000492 | 0.00116 | 0.0000241 | 0.0000539 | 0.0000323 | 0.0186 | 0.00000462 | 0.0000255 | 0.000235 | 0.00139 | 0.0000115 |
| 2063 Oct | 0.00000199 | 0.869 | 0.000694 | 1.16 | 0.00764 | 0.000209 | 0.666 | 0.00124 | 0.00154 | 0.000256 | 0.0000739 | 0.0000309 | 0.0255 | 0.00000356 | 0.0000513 | 0.000192 | 0.0014 | 0.0000424 |
| 2063 Nov | 0.00000215 | 0.739 | 0.000632 | 1.04 | 0.00539 | 0.000151 | 0.616 | 0.000838 | 0.00179 | 0.0000262 | 0.000059 | 0.000029 | 0.0198 | 0.00000401 | 0.0000381 | 0.000211 | 0.00121 | 0.000028 |
| 2063 Dec | 0.00000223 | 0.781 | 0.0006 | 1.12 | 0.00425 | 0.00012 | 0.677 | 0.000843 | 0.00147 | 0.000026 | 0.0000568 | 0.000028 | 0.0193 | 0.00000425 | 0.000033 | 0.00022 | 0.00128 | 0.0000212 |
| 2064 Jan | 0.00000223 | 0.781 | 0.0006 | 1.12 | 0.00426 | 0.000121 | 0.677 | 0.000845 | 0.00147 | 0.000026 | 0.0000569 | 0.0000281 | 0.0194 | 0.00000425 | 0.000033 | 0.00022 | 0.00128 | 0.0000213 |
| 2064 Feb | 0.00000226 | 0.775 | 0.000589 | 1.12 | 0.00387 | 0.00011 | 0.68 | 0.000804 | 0.00145 | 0.0000259 | 0.0000561 | 0.0000277 | 0.0189 | 0.00000433 | 0.0000309 | 0.000223 | 0.0013 | 0.0000262 |
| 2064 Mar | 0.0000025 | 0.84 | 0.0005 | 1.29 | 0.00067 | 0.000025 | 0.806 | 0.00071 | 0.0015 | 0.000025 | 0.00005 | 0.000025 | 0.0168 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2064 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2064 May | 0.00000237 | 0.791 | 0.000523 | 1.21 | 0.00174 | 0.0000547 | 0.758 | 0.000765 | 0.00106 | 0.0000249 | 0.0000513 | 0.0000255 | 0.0178 | 0.00000467 | 0.0000211 | 0.000236 | 0.0014 | 0.0000168 |
| 2064 Jun | 0.00000226 | 0.97 | 0.000575 | 1.41 | 0.00336 | 0.000101 | 0.848 | 0.000927 | 0.00194 | 0.0000235 | 0.0000549 | 0.0000272 | 0.0244 | 0.00000434 | 0.0000297 | 0.000223 | 0.0013 | 0.0000161 |
| 2064 Jul | 0.00000238 | 0.657 | 0.000543 | 1.01 | 0.00378 | 0.0000667 | 0.607 | 0.000793 | 0.00111 | 0.0000242 | 0.000053 | 0.0000263 | 0.0166 | 0.00000466 | 0.0000246 | 0.000236 | 0.0014 | 0.0000182 |
| 2064 Aug | 0.00000229 | 0.707 | 0.000576 | 0.968 | 0.00393 | 0.000105 | 0.599 | 0.000695 | 0.00119 | 0.0000235 | 0.0000552 | 0.0000273 | 0.0187 | 0.0000044 | 0.0000317 | 0.000226 | 0.00132 | 0.0000156 |
| 2064 Sep | 0.00000207 | 0.712 | 0.000607 | 0.992 | 0.00537 | 0.000146 | 0.592 | 0.000784 | 0.00127 | 0.0000216 | 0.0000571 | 0.0000313 | 0.0204 | 0.00000385 | 0.0000395 | 0.000202 | 0.00116 | 0.0000251 |
| 2064 Oct | 0.0000019 | 0.788 | 0.000646 | 1.05 | 0.00706 | 0.000194 | 0.603 | 0.00108 | 0.00136 | 0.000208 | 0.0000687 | 0.0000294 | 0.023 | 0.00000337 | 0.0000494 | 0.000183 | 0.00128 | 0.0000347 |
| 2064 Nov | 0.00000218 | 0.68 | 0.000581 | 0.973 | 0.00414 | 0.000117 | 0.585 | 0.00065 | 0.00167 | 0.0000224 | 0.0000555 | 0.0000275 | 0.0174 | 0.00000412 | 0.000032 | 0.000214 | 0.00124 | 0.0000189 |
| 2064 Dec | 0.00000213 | 0.747 | 0.000592 | 1.05 | 0.00461 | 0.00013 | 0.636 | 0.000828 | 0.00138 | 0.000022 | 0.0000563 | 0.0000278 | 0.019 | 0.000004 | 0.0000357 | 0.000209 | 0.0012 | 0.0000216 |
| 2065 Jan | 0.00000206 | 0.751 | 0.000611 | 1.04 | 0.00542 | 0.000152 | 0.622 | 0.000901 | 0.0014 | 0.0000214 | 0.0000576 | 0.0000284 | 0.0198 | 0.00000379 | 0.0000402 | 0.0002 | 0.00114 | 0.000026 |
| 2065 Feb | 0.00000198 | 0.754 | 0.00063 | 1.02 | 0.00621 | 0.000173 | 0.608 | 0.000971 | 0.00142 | 0.0000208 | 0.0000589 | 0.000029 | 0.0207 | 0.00000359 | 0.0000447 | 0.000192 | 0.00108 | 0.0000304 |
| 2065 Mar | 0.00000226 | 0.818 | 0.00056 | 1.19 | 0.00321 | 0.0000929 | 0.731 | 0.000866 | 0.00149 | 0.0000231 | 0.0000541 | 0.0000268 | 0.0188 | 0.00000435 | 0.0000292 | 0.000223 | 0.00131 | 0.000036 |
| 2065 Apr | 0.0000025 | 0.765 | 0.0005 | 1.08 | 0.000575 | 0.000025 | 0.739 | 0.000685 | 0.0013 | 0.000025 | 0.00005 | 0.000025 | 0.0126 | 0.000005 | 0.0000155 | 0.00025 | 0.0015 | |
| 2065 May | 0.00000223 | 0.787 | 0.000564 | 1.15 | 0.00343 | 0.0001 | 0.713 | 0.000866 | 0.00115 | 0.0000229 | 0.0000545 | 0.000027 | 0.0192 | 0.00000427 | 0.0000307 | 0.00022 | 0.00128 | 0.0000225 |
| 2065 Jun | 0.0000022 | 0.955 | 0.000578 | 1.38 | 0.00375 | 0.000112 | 0.823 | 0.00093 | 0.00192 | 0.0000224 | 0.0000554 | 0.0000272 | 0.0244 | 0.00000418 | 0.0000325 | 0.000216 | 0.00125 | 0.0000171 |
| 2065 Jul | 0.00000242 | 0.651 | 0.000532 | 1.02 | 0.00344 | 0.0000555 | 0.609 | 0.000756 | 0.00109 | 0.0000243 | 0.0000523 | 0.000026 | 0.0162 | 0.00000476 | 0.0000226 | 0.00024 | 0.00143 | 0.0000117 |
| 2065 Aug | 0.00000238 | 0.697 | 0.000554 | 0.966 | 0.00303 | 0.0000806 | 0.604 | 0.000587 | 0.00115 | 0.0000241 | 0.0000539 | 0.0000267 | 0.0179 | 0.00000464 | 0.0000271 | 0.000236 | 0.00139 | 0.0000141 |
| 2065 Sep | 0.00000225 | 0.716 | 0.000589 | 1.03 | 0.00416 | 0.000111 | 0.623 | 0.00063 | 0.00124 | 0.000023 | 0.0000561 | 0.0000322 | 0.0199 | 0.00000428 | 0.0000329 | 0.000221 | 0.00129 | 0.0000172 |
| 2065 Oct | 0.00000195 | 0.801 | 0.000627 | 1.08 | 0.00626 | 0.000169 | 0.622 | 0.00101 | 0.00131 | 0.000308 | 0.0000711 | 0.0000286 | 0.023 | 0.00000354 | 0.0000442 | 0.000189 | 0.00147 | 0.0000287 |
| 2065 Nov | 0.00000179 | 0.757 | 0.000675 | 0.975 | 0.00803 | 0.000218 | 0.567 | 0.00108 | 0.00153 | 0.0000694 | 0.0000632 | 0.00003 | 0.0228 | 0.0000031 | 0.0000536 | 0.00017 | 0.001 | 0.0000383 |

**Appendix D20. Downstream Node 2**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Dec | 0.00000188 | 0.77 | 0.000656 | 1.02 | 0.00714 | 0.000195 | 0.599 | 0.00103 | 0.00144 | 0.0000644 | 0.0000618 | 0.0000295 | 0.0221 | 0.00000335 | 0.000049 | 0.000181 | 0.00107 | 0.0000336 |
| 2066 Jan | 0.00000192 | 0.768 | 0.000646 | 1.03 | 0.00671 | 0.000183 | 0.606 | 0.000998 | 0.00144 | 0.0000619 | 0.000061 | 0.0000292 | 0.0216 | 0.00000346 | 0.0000467 | 0.000186 | 0.0011 | 0.0000314 |
| 2066 Feb | 0.00000193 | 0.768 | 0.000644 | 1.03 | 0.00664 | 0.000181 | 0.608 | 0.000992 | 0.00143 | 0.0000614 | 0.0000609 | 0.0000291 | 0.0215 | 0.00000348 | 0.0000463 | 0.000187 | 0.0011 | 0.000031 |
| 2066 Mar | 0.00000235 | 0.83 | 0.000538 | 1.23 | 0.00226 | 0.0000667 | 0.761 | 0.000805 | 0.0015 | 0.0000347 | 0.0000529 | 0.0000261 | 0.0182 | 0.0000046 | 0.0000238 | 0.000233 | 0.00139 | 0.000032 |
| 2066 Apr | 0.00000229 | 0.77 | 0.000553 | 1.05 | 0.00279 | 0.0000825 | 0.695 | 0.000822 | 0.00135 | 0.0000384 | 0.000054 | 0.0000265 | 0.0156 | 0.00000444 | 0.000027 | 0.000227 | 0.00136 | 0.0000342 |
| 2066 May | 0.00000245 | 0.797 | 0.000509 | 1.23 | 0.00106 | 0.0000366 | 0.779 | 0.000716 | 0.00102 | 0.0000269 | 0.0000506 | 0.0000252 | 0.0174 | 0.00000487 | 0.0000178 | 0.000245 | 0.00147 | 0.0000118 |
| 2066 Jun | 0.00000226 | 0.966 | 0.000566 | 1.41 | 0.00316 | 0.0000954 | 0.846 | 0.000889 | 0.00194 | 0.0000245 | 0.0000544 | 0.0000268 | 0.0242 | 0.00000433 | 0.0000292 | 0.000222 | 0.0013 | 0.0000156 |
| 2066 Jul | 0.00000249 | 0.625 | 0.000505 | 1.01 | 0.00266 | 0.0000295 | 0.606 | 0.000683 | 0.00101 | 0.000025 | 0.0000504 | 0.0000252 | 0.0149 | 0.00000497 | 0.0000174 | 0.000249 | 0.00149 | 0.00000884 |
| 2066 Aug | 0.00000233 | 0.71 | 0.000572 | 0.973 | 0.00363 | 0.0000968 | 0.605 | 0.000649 | 0.00119 | 0.0000242 | 0.0000551 | 0.0000272 | 0.0186 | 0.0000045 | 0.0000306 | 0.00023 | 0.00135 | 0.0000138 |
| 2066 Sep | 0.00000222 | 0.71 | 0.000589 | 1.02 | 0.00428 | 0.000114 | 0.614 | 0.000637 | 0.00123 | 0.0000231 | 0.0000559 | 0.0000317 | 0.0198 | 0.00000421 | 0.0000337 | 0.000217 | 0.00126 | 0.0000171 |
| 2066 Oct | 0.00000189 | 0.785 | 0.000636 | 1.04 | 0.00674 | 0.000182 | 0.603 | 0.00101 | 0.00134 | 0.000223 | 0.0000678 | 0.0000287 | 0.0229 | 0.00000338 | 0.0000474 | 0.000181 | 0.0013 | 0.0000299 |
| 2066 Nov | 0.00000179 | 0.744 | 0.000662 | 0.957 | 0.00772 | 0.000209 | 0.56 | 0.00102 | 0.0015 | 0.0000525 | 0.0000616 | 0.0000295 | 0.0222 | 0.00000312 | 0.0000526 | 0.000171 | 0.000985 | 0.0000348 |
| 2066 Dec | 0.00000194 | 0.756 | 0.000631 | 1.01 | 0.00633 | 0.000173 | 0.602 | 0.00094 | 0.00141 | 0.0000478 | 0.0000595 | 0.0000287 | 0.021 | 0.00000351 | 0.0000452 | 0.000187 | 0.00109 | 0.0000279 |
| 2067 Jan | 0.00000198 | 0.754 | 0.000624 | 1.02 | 0.006 | 0.000164 | 0.609 | 0.000913 | 0.0014 | 0.0000466 | 0.000059 | 0.0000285 | 0.0206 | 0.0000036 | 0.0000433 | 0.000191 | 0.00112 | 0.0000262 |
| 2067 Feb | 0.00000202 | 0.753 | 0.000614 | 1.03 | 0.00555 | 0.000153 | 0.617 | 0.000877 | 0.0014 | 0.0000448 | 0.0000582 | 0.0000282 | 0.0202 | 0.00000372 | 0.0000409 | 0.000196 | 0.00115 | 0.0000269 |
| 2067 Mar | 0.0000019 | 0.788 | 0.000644 | 1.04 | 0.00682 | 0.000186 | 0.621 | 0.00104 | 0.00147 | 0.0000501 | 0.0000604 | 0.0000291 | 0.022 | 0.00000338 | 0.0000484 | 0.000182 | 0.00106 | 0.0000303 |
| 2067 Apr | 0.00000215 | 0.767 | 0.000583 | 1.03 | 0.00415 | 0.000117 | 0.661 | 0.000885 | 0.00137 | 0.0000394 | 0.000056 | 0.0000273 | 0.0174 | 0.00000407 | 0.0000344 | 0.000211 | 0.00125 | 0.0000348 |
| 2067 May | 0.00000214 | 0.789 | 0.000586 | 1.13 | 0.00429 | 0.000121 | 0.691 | 0.0009 | 0.0012 | 0.0000397 | 0.0000563 | 0.0000274 | 0.0201 | 0.00000404 | 0.0000352 | 0.00021 | 0.00124 | 0.0000213 |
| 2067 Jun | 0.00000221 | 0.95 | 0.000575 | 1.37 | 0.00358 | 0.000106 | 0.824 | 0.0009 | 0.00189 | 0.0000242 | 0.000055 | 0.000027 | 0.0241 | 0.00000421 | 0.0000317 | 0.000217 | 0.00127 | 0.0000147 |
| 2067 Jul | 0.00000243 | 0.639 | 0.000522 | 1.01 | 0.00318 | 0.0000465 | 0.605 | 0.000725 | 0.00106 | 0.0000246 | 0.0000515 | 0.0000256 | 0.0157 | 0.00000481 | 0.0000209 | 0.000242 | 0.00144 | 0.0000135 |
| 2067 Aug | 0.00000221 | 0.701 | 0.000579 | 0.95 | 0.00433 | 0.000113 | 0.586 | 0.000703 | 0.0012 | 0.0000229 | 0.0000549 | 0.000027 | 0.0189 | 0.0000042 | 0.0000338 | 0.000217 | 0.00126 | 0.0000151 |
| 2067 Sep | 0.00000218 | 0.702 | 0.00059 | 0.999 | 0.00451 | 0.000117 | 0.602 | 0.000648 | 0.00122 | 0.0000226 | 0.0000556 | 0.0000313 | 0.0197 | 0.00000412 | 0.0000345 | 0.000213 | 0.00124 | 0.0000169 |
| 2067 Oct | 0.00000194 | 0.801 | 0.000649 | 1.06 | 0.00687 | 0.000181 | 0.615 | 0.00103 | 0.00135 | 0.000253 | 0.0000699 | 0.0000289 | 0.0233 | 0.00000348 | 0.0000476 | 0.000186 | 0.00137 | 0.0000283 |
| 2067 Nov | 0.00000193 | 0.735 | 0.000655 | 0.969 | 0.00699 | 0.000186 | 0.573 | 0.000928 | 0.00158 | 0.000032 | 0.0000601 | 0.0000291 | 0.0212 | 0.00000345 | 0.0000476 | 0.000185 | 0.00105 | 0.0000292 |
| 2067 Dec | 0.00000202 | 0.761 | 0.000632 | 1.03 | 0.00602 | 0.000161 | 0.618 | 0.000914 | 0.00142 | 0.0000312 | 0.0000586 | 0.0000285 | 0.0206 | 0.00000369 | 0.0000429 | 0.000195 | 0.00112 | 0.0000247 |
| 2068 Jan | 0.00000199 | 0.762 | 0.000638 | 1.03 | 0.00628 | 0.000168 | 0.614 | 0.000935 | 0.00143 | 0.0000316 | 0.000059 | 0.0000286 | 0.0209 | 0.00000363 | 0.0000443 | 0.000193 | 0.0011 | 0.0000259 |
| 2068 Feb | 0.0000021 | 0.755 | 0.000608 | 1.05 | 0.00505 | 0.000136 | 0.634 | 0.000835 | 0.0014 | 0.0000302 | 0.000057 | 0.0000278 | 0.0196 | 0.00000393 | 0.0000376 | 0.000205 | 0.00119 | 0.0000267 |
| 2068 Mar | 0.0000023 | 0.826 | 0.000554 | 1.21 | 0.00284 | 0.0000803 | 0.746 | 0.00083 | 0.0015 | 0.0000276 | 0.0000535 | 0.0000264 | 0.0186 | 0.00000447 | 0.0000269 | 0.000228 | 0.00135 | 0.000026 |
| 2068 Apr | 0.00000247 | 0.766 | 0.000507 | 1.07 | 0.000861 | 0.0000322 | 0.734 | 0.000701 | 0.00131 | 0.0000253 | 0.0000505 | 0.0000252 | 0.0129 | 0.00000493 | 0.000017 | 0.000247 | 0.00148 | 0.0000196 |
| 2068 May | 0.00000237 | 0.792 | 0.000528 | 1.2 | 0.00188 | 0.0000575 | 0.755 | 0.000758 | 0.00106 | 0.000026 | 0.0000517 | 0.0000256 | 0.018 | 0.00000465 | 0.0000222 | 0.000235 | 0.0014 | 0.0000113 |
| 2068 Jun | 0.00000219 | 0.954 | 0.000594 | 1.36 | 0.0041 | 0.000117 | 0.818 | 0.000932 | 0.00191 | 0.0000228 | 0.0000558 | 0.0000274 | 0.0246 | 0.00000414 | 0.000034 | 0.000214 | 0.00124 | 0.0000164 |
| 2068 Jul | 0.00000247 | 0.631 | 0.000512 | 1.01 | 0.00287 | 0.000036 | 0.606 | 0.000699 | 0.00103 | 0.0000248 | 0.0000508 | 0.0000253 | 0.0152 | 0.00000491 | 0.0000188 | 0.000246 | 0.00147 | 0.00000762 |
| 2068 Aug | 0.00000244 | 0.675 | 0.000529 | 0.948 | 0.00224 | 0.0000576 | 0.599 | 0.000492 | 0.00108 | 0.0000246 | 0.0000519 | 0.0000258 | 0.0168 | 0.00000482 | 0.0000225 | 0.000243 | 0.00145 | 0.00000904 |
| 2068 Sep | 0.00000212 | 0.761 | 0.000646 | 1.04 | 0.00592 | 0.000155 | 0.625 | 0.00081 | 0.00138 | 0.0000222 | 0.0000591 | 0.0000321 | 0.022 | 0.00000391 | 0.0000425 | 0.000205 | 0.00117 | 0.0000241 |
| 2068 Oct | 0.00000222 | 0.859 | 0.000603 | 1.21 | 0.00447 | 0.000118 | 0.698 | 0.0009 | 0.00127 | 0.000485 | 0.0000778 | 0.0000278 | 0.0233 | 0.00000421 | 0.0000348 | 0.000218 | 0.00191 | 0.0000191 |
| 2068 Nov | 0.00000237 | 0.665 | 0.00055 | 0.996 | 0.00246 | 0.0000699 | 0.608 | 0.000443 | 0.00178 | 0.0000241 | 0.0000531 | 0.0000264 | 0.0156 | 0.00000462 | 0.000022 | 0.000235 | 0.00139 | 0.00000965 |
| 2068 Dec | 0.0000022 | 0.785 | 0.000613 | 1.11 | 0.00466 | 0.000127 | 0.67 | 0.00082 | 0.00147 | 0.0000229 | 0.0000571 | 0.0000281 | 0.0199 | 0.00000414 | 0.0000357 | 0.000215 | 0.00124 | 0.0000182 |
| 2069 Jan | 0.00000213 | 0.797 | 0.00064 | 1.1 | 0.00558 | 0.00015 | 0.662 | 0.000899 | 0.00151 | 0.0000224 | 0.0000587 | 0.0000288 | 0.021 | 0.00000394 | 0.0000408 | 0.000207 | 0.00118 | 0.0000225 |
| 2069 Feb | 0.00000196 | 0.827 | 0.000702 | 1.08 | 0.00777 | 0.000207 | 0.643 | 0.00109 | 0.0016 | 0.0000212 | 0.0000626 | 0.0000305 | 0.0238 | 0.00000346 | 0.0000529 | 0.000187 | 0.00104 | 0.0000325 |
| 2069 Mar | 0.00000189 | 0.856 | 0.000728 | 1.1 | 0.00868 | 0.00023 | 0.649 | 0.0012 | 0.00167 | 0.0000207 | 0.0000642 | 0.0000312 | 0.0252 | 0.00000326 | 0.0000581 | 0.000179 | 0.000983 | 0.0000367 |
| 2069 Apr | 0.00000221 | 0.803 | 0.000609 | 1.07 | 0.00446 | 0.000123 | 0.692 | 0.00093 | 0.00146 | 0.0000229 | 0.0000568 | 0.000028 | 0.0183 | 0.00000417 | 0.000036 | 0.000216 | 0.00125 | 0.0000352 |
| 2069 May | 0.00000247 | 0.802 | 0.000512 | 1.24 | 0.00105 | 0.0000359 | 0.785 | 0.000716 | 0.00103 | 0.0000248 | 0.0000507 | 0.0000253 | 0.0175 | 0.0000049 | 0.0000178 | 0.000246 | 0.00147 | 0.00000868 |
| 2069 Jun | 0.0000022 | 0.944 | 0.000556 | 1.37 | 0.00314 | 0.0000919 | 0.825 | 0.000848 | 0.0019 | 0.0000226 | 0.0000529 | 0.0000261 | 0.0238 | 0.00000423 | 0.0000285 | 0.000217 | 0.00127 | 0.0000116 |
| 2069 Jul | 0.00000247 | 0.628 | 0.000508 | 1.01 | 0.00275 | 0.0000327 | 0.606 | 0.000688 | 0.00102 | 0.0000248 | 0.0000505 | 0.0000252 | 0.0151 | 0.00000493 | 0.0000181 | 0.000247 | 0.00148 | 0.00000673 |
| 2069 Aug | 0.00000232 | 0.693 | 0.000552 | 0.956 | 0.00317 | 0.0000824 | 0.597 | 0.000579 | 0.00115 | 0.0000236 | 0.0000531 | 0.0000263 | 0.0179 | 0.00000452 | 0.0000276 | 0.00023 | 0.00136 | 0.0000115 |
| 2069 Sep | 0.00000206 | 0.715 | 0.000604 | 0.987 | 0.00521 | 0.000136 | 0.594 | 0.000701 | 0.00127 | 0.0000214 | 0.0000558 | 0.0000306 | 0.0205 | 0.00000384 | 0.0000383 | 0.000201 | 0.00115 | 0.0000186 |
| 2069 Oct | 0.00000185 | 0.795 | 0.000662 | 1.03 | 0.00737 | 0.000193 | 0.602 | 0.001 | 0.0014 | 0.000174 | 0.0000664 | 0.0000291 | 0.0236 | 0.00000328 | 0.0000503 | 0.000177 | 0.0012 | 0.000028 |
| 2069 Nov | 0.00000204 | 0.712 | 0.000618 | 0.971 | 0.00547 | 0.000146 | 0.583 | 0.000731 | 0.00164 | 0.0000218 | 0.0000568 | 0.0000281 | 0.0194 | 0.00000378 | 0.0000391 | 0.000198 | 0.00114 | 0.0000202 |
| 2069 Dec | 0.00000213 | 0.755 | 0.000597 | 1.06 | 0.00459 | 0.000124 | 0.641 | 0.000767 | 0.0014 | 0.0000224 | 0.0000556 | 0.0000275 | 0.0193 | 0.000004 | 0.0000351 | 0.000208 | 0.0012 | 0.0000165 |

**Appendix D21. Lake A18**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg-N/L | mg-N/L | mg-N/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 25 | 0.00103 | 0.00449 | 0.000505 | 4.89 | 0.0316 | 3.64 | 0.00000505 | 0.00251 | 0.000253 | 0.00506 | 0.00835 | 0.0000102 | 3.94 | 0.00000263 | 0.0000516 | 0.0000693 | 0.000258 | 0.0073 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 37.2 | 0.00711 | 0.075 | 0.000547 | 7.73 | 0.0383 | 5.74 | 0.00000558 | 0.00397 | 0.000499 | 0.00607 | 0.0114 | 0.0000138 | 6.13 | 0.00000331 | 0.000114 | 0.00012 | 0.00036 | 0.0229 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 96.9 | 0.00888 | 0.447 | 0.000717 | 21.6 | 0.0673 | 16.2 | 0.00000788 | 0.0101 | 0.00176 | 0.0109 | 0.0261 | 0.000032 | 17 | 0.00000577 | 0.00044 | 0.000371 | 0.000851 | 0.103 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 23.5 | 0.00764 | 0.00304 | 0.000492 | 4.32 | 0.0301 | 3.48 | 0.00000492 | 0.00227 | 0.000234 | 0.00492 | 0.00772 | 0.00000984 | 3.67 | 0.00000261 | 0.0000492 | 0.000061 | 0.000254 | 0.00655 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 25.5 | 0.00831 | 0.00366 | 0.000508 | 4.97 | 0.0323 | 3.7 | 0.00000508 | 0.00272 | 0.000253 | 0.00508 | 0.00851 | 0.0000102 | 3.99 | 0.00000278 | 0.0000509 | 0.0000697 | 0.000262 | 0.0073 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 27.2 | 0.00903 | 0.00458 | 0.000522 | 5.57 | 0.0341 | 3.9 | 0.00000522 | 0.0031 | 0.00027 | 0.00522 | 0.00918 | 0.0000104 | 4.28 | 0.00000294 | 0.0000522 | 0.0000771 | 0.000268 | 0.00802 |
| ***CCME/SSWQO (Receiving Environment)*** | ***-*** | ***0.58*** | ***2.93*** | ***0.06*** | ***120*** | ***0.12*** | ***variable*** | ***0.00025*** | ***0.1*** | ***0.025*** | ***1.5*** | ***-*** | ***-*** | ***-*** | ***variable*** | ***-*** | ***0.001*** | ***variable*** | ***0.3*** |
| | | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jul 2028-Dec 2069) | | | | | | | | | | | | | | | | | | | |
| 2028 Jul | | | | | | | | | | | | | | | | | | | |
| 2028 Aug | | | | | | | | | | | | | | | | | | | |
| 2028 Sep | 96.9 | 0.00103 | 0.447 | 0.000717 | 21.6 | 0.0673 | 16.2 | 0.00000788 | 0.0101 | 0.00176 | 0.0109 | 0.0261 | 0.000032 | 17 | 0.00000577 | 0.00044 | 0.000371 | 0.000851 | 0.103 |
| 2028 Oct | 93.7 | 0.00127 | 0.428 | 0.000707 | 20.9 | 0.0656 | 15.7 | 0.00000775 | 0.00982 | 0.0017 | 0.0107 | 0.0253 | 0.0000311 | 16.4 | 0.00000568 | 0.000424 | 0.000358 | 0.000827 | 0.0994 |
| 2028 Nov | 93.1 | 0.00128 | 0.425 | 0.000705 | 20.8 | 0.0653 | 15.5 | 0.00000773 | 0.00979 | 0.00169 | 0.0106 | 0.0252 | 0.0000309 | 16.3 | 0.00000569 | 0.000421 | 0.000356 | 0.000824 | 0.0986 |
| 2028 Dec | 93.1 | 0.00128 | 0.425 | 0.000705 | 20.8 | 0.0653 | 15.5 | 0.00000773 | 0.00979 | 0.00169 | 0.0106 | 0.0251 | 0.0000309 | 16.3 | 0.00000569 | 0.000421 | 0.000356 | 0.000823 | 0.0986 |
| 2029 Jan | 93.1 | 0.00129 | 0.425 | 0.000705 | 20.8 | 0.0653 | 15.5 | 0.00000773 | 0.00979 | 0.00169 | 0.0106 | 0.0251 | 0.0000309 | 16.3 | 0.00000569 | 0.000421 | 0.000356 | 0.000823 | 0.0986 |
| 2029 Feb | 93.1 | 0.00129 | 0.425 | 0.000705 | 20.8 | 0.0653 | 15.5 | 0.00000773 | 0.00978 | 0.00169 | 0.0106 | 0.0251 | 0.0000309 | 16.3 | 0.00000569 | 0.000421 | 0.000356 | 0.000823 | 0.0986 |
| 2029 Mar | 93.1 | 0.00129 | 0.425 | 0.000705 | 20.8 | 0.0653 | 15.5 | 0.00000773 | 0.00978 | 0.00169 | 0.0106 | 0.0251 | 0.0000309 | 16.3 | 0.00000569 | 0.000421 | 0.000356 | 0.000823 | 0.0986 |
| 2029 Apr | 93.1 | 0.00129 | 0.425 | 0.000705 | 20.8 | 0.0653 | 15.5 | 0.00000773 | 0.00979 | 0.00169 | 0.0106 | 0.0251 | 0.0000309 | 16.3 | 0.00000569 | 0.000421 | 0.000356 | 0.000823 | 0.0986 |
| 2029 May | 93.2 | 0.00129 | 0.425 | 0.000706 | 20.8 | 0.0654 | 15.6 | 0.00000774 | 0.0098 | 0.00169 | 0.0106 | 0.0252 | 0.0000309 | 16.3 | 0.0000057 | 0.000421 | 0.000356 | 0.000824 | 0.0987 |
| 2029 Jun | 86.1 | 0.00228 | 0.378 | 0.000683 | 19.2 | 0.0621 | 14.3 | 0.00000743 | 0.00887 | 0.00153 | 0.00998 | 0.0235 | 0.0000286 | 15 | 0.00000534 | 0.00038 | 0.000326 | 0.00076 | 0.0883 |
| 2029 Jul | 76.6 | 0.00347 | 0.317 | 0.000653 | 17 | 0.0577 | 12.6 | 0.00000704 | 0.00773 | 0.00132 | 0.00917 | 0.0212 | 0.0000255 | 13.3 | 0.00000487 | 0.000326 | 0.000285 | 0.000676 | 0.0747 |
| 2029 Aug | 74.6 | 0.00345 | 0.305 | 0.000651 | 16.5 | 0.0567 | 12.3 | 0.00000699 | 0.00765 | 0.00129 | 0.00905 | 0.0207 | 0.000025 | 12.9 | 0.0000048 | 0.000316 | 0.000278 | 0.000663 | 0.0726 |
| 2029 Sep | 72.6 | 0.00359 | 0.294 | 0.000646 | 16.1 | 0.0556 | 11.9 | 0.00000692 | 0.00752 | 0.00125 | 0.0089 | 0.0202 | 0.0000245 | 12.6 | 0.00000472 | 0.000306 | 0.00027 | 0.000648 | 0.0704 |
| 2029 Oct | 71.9 | 0.00367 | 0.29 | 0.000644 | 15.9 | 0.0552 | 11.8 | 0.00000691 | 0.00748 | 0.00123 | 0.00886 | 0.02 | 0.0000243 | 12.5 | 0.0000047 | 0.000303 | 0.000267 | 0.000643 | 0.0696 |
| 2029 Nov | 71.9 | 0.00367 | 0.29 | 0.000645 | 15.9 | 0.0552 | 11.8 | 0.00000691 | 0.00748 | 0.00123 | 0.00886 | 0.02 | 0.0000243 | 12.5 | 0.0000047 | 0.000303 | 0.000267 | 0.000643 | 0.0696 |
| 2029 Dec | 71.9 | 0.00367 | 0.29 | 0.000645 | 15.9 | 0.0552 | 11.8 | 0.00000691 | 0.00748 | 0.00123 | 0.00886 | 0.02 | 0.0000243 | 12.5 | 0.0000047 | 0.000303 | 0.000267 | 0.000643 | 0.0696 |
| 2030 Jan | 71.9 | 0.00367 | 0.29 | 0.000645 | 15.9 | 0.0552 | 11.8 | 0.00000691 | 0.00748 | 0.00123 | 0.00886 | 0.02 | 0.0000243 | 12.5 | 0.0000047 | 0.000303 | 0.000267 | 0.000643 | 0.0696 |
| 2030 Feb | 71.9 | 0.00367 | 0.29 | 0.000645 | 15.9 | 0.0552 | 11.8 | 0.00000691 | 0.00748 | 0.00123 | 0.00886 | 0.02 | 0.0000243 | 12.5 | 0.0000047 | 0.000303 | 0.000267 | 0.000643 | 0.0696 |
| 2030 Mar | 71.9 | 0.00367 | 0.29 | 0.000645 | 15.9 | 0.0552 | 11.8 | 0.00000691 | 0.00748 | 0.00123 | 0.00886 | 0.02 | 0.0000243 | 12.5 | 0.0000047 | 0.000303 | 0.000267 | 0.000643 | 0.0696 |
| 2030 Apr | 71.9 | 0.00367 | 0.29 | 0.000645 | 15.9 | 0.0552 | 11.8 | 0.00000691 | 0.00748 | 0.00123 | 0.00886 | 0.02 | 0.0000243 | 12.5 | 0.0000047 | 0.000303 | 0.000267 | 0.000643 | 0.0696 |
| 2030 May | 72 | 0.00368 | 0.291 | 0.000646 | 15.9 | 0.0553 | 11.8 | 0.00000692 | 0.0075 | 0.00124 | 0.00888 | 0.02 | 0.0000244 | 12.5 | 0.00000471 | 0.000303 | 0.000268 | 0.000644 | 0.0697 |
| 2030 Jun | 65.6 | 0.00464 | 0.248 | 0.000623 | 14.4 | 0.0524 | 10.7 | 0.00000663 | 0.00661 | 0.00109 | 0.00829 | 0.0185 | 0.0000222 | 11.3 | 0.00000438 | 0.000265 | 0.000239 | 0.000585 | 0.06 |
| 2030 Jul | 62.2 | 0.005 | 0.226 | 0.000614 | 13.7 | 0.0508 | 10.1 | 0.00000649 | 0.00624 | 0.00102 | 0.00801 | 0.0177 | 0.0000211 | 10.7 | 0.00000422 | 0.000246 | 0.000225 | 0.000556 | 0.0554 |
| 2030 Aug | 60.5 | 0.00491 | 0.217 | 0.000611 | 13.3 | 0.0499 | 9.77 | 0.00000646 | 0.0062 | 0.000987 | 0.00791 | 0.0173 | 0.0000207 | 10.4 | 0.00000416 | 0.000239 | 0.00022 | 0.000544 | 0.0538 |
| 2030 Sep | 59.8 | 0.00491 | 0.213 | 0.000611 | 13.1 | 0.0495 | 9.65 | 0.00000644 | 0.00618 | 0.000974 | 0.00787 | 0.0171 | 0.0000206 | 10.2 | 0.00000414 | 0.000235 | 0.000217 | 0.00054 | 0.053 |
| 2030 Oct | 58.5 | 0.00486 | 0.206 | 0.000606 | 12.8 | 0.0488 | 9.43 | 0.00000639 | 0.00615 | 0.000949 | 0.00777 | 0.0167 | 0.0000202 | 10 | 0.00000419 | 0.000229 | 0.000213 | 0.000533 | 0.0516 |
| 2030 Nov | 57.8 | 0.00481 | 0.202 | 0.000603 | 12.7 | 0.0485 | 9.3 | 0.00000635 | 0.00614 | 0.000934 | 0.0077 | 0.0165 | 0.0000199 | 9.89 | 0.00000423 | 0.000225 | 0.00021 | 0.000529 | 0.0506 |
| 2030 Dec | 57.7 | 0.00481 | 0.202 | 0.000603 | 12.7 | 0.0485 | 9.3 | 0.00000635 | 0.00613 | 0.000934 | 0.0077 | 0.0165 | 0.0000199 | 9.89 | 0.00000423 | 0.000225 | 0.00021 | 0.000529 | 0.0506 |
| 2031 Jan | 57.7 | 0.00481 | 0.202 | 0.000603 | 12.7 | 0.0485 | 9.3 | 0.00000635 | 0.00613 | 0.000933 | 0.0077 | 0.0165 | 0.0000199 | 9.88 | 0.00000423 | 0.000225 | 0.00021 | 0.000529 | 0.0506 |
| 2031 Feb | 57.7 | 0.00481 | 0.202 | 0.000603 | 12.7 | 0.0485 | 9.3 | 0.00000635 | 0.00613 | 0.000933 | 0.0077 | 0.0165 | 0.0000199 | 9.88 | 0.00000423 | 0.000225 | 0.00021 | 0.000529 | 0.0506 |
| 2031 Mar | 57.7 | 0.00481 | 0.202 | 0.000603 | 12.7 | 0.0485 | 9.3 | 0.00000635 | 0.00613 | 0.000933 | 0.0077 | 0.0165 | 0.0000199 | 9.88 | 0.00000423 | 0.000225 | 0.00021 | 0.000529 | 0.0506 |
| 2031 Apr | 57.8 | 0.00481 | 0.202 | 0.000603 | 12.7 | 0.0485 | 9.3 | 0.00000635 | 0.00614 | 0.000934 | 0.0077 | 0.0165 | 0.00002 | 9.89 | 0.00000423 | 0.000225 | 0.00021 | 0.00053 | 0.0506 |
| 2031 May | 57.4 | 0.00489 | 0.199 | 0.000603 | 12.6 | 0.0483 | 9.23 | 0.00000635 | 0.00609 | 0.000924 | 0.00768 | 0.0164 | 0.0000198 | 9.81 | 0.00000422 | 0.000223 | 0.000208 | 0.000526 | 0.0499 |
| 2031 Jun | 52.2 | 0.00556 | 0.167 | 0.000586 | 11.2 | 0.0457 | 8.35 | 0.00000612 | 0.00544 | 0.000814 | 0.00724 | 0.0152 | 0.0000182 | 8.85 | 0.00000394 | 0.000195 | 0.000184 | 0.000482 | 0.0427 |
| 2031 Jul | 52.3 | 0.00571 | 0.166 | 0.000591 | 11.3 | 0.046 | 8.35 | 0.00000617 | 0.00542 | 0.000811 | 0.00728 | 0.0152 | 0.0000183 | 8.85 | 0.00000395 | 0.000194 | 0.000184 | 0.000482 | 0.0424 |
| 2031 Aug | 51.8 | 0.00568 | 0.163 | 0.000593 | 11.2 | 0.0458 | 8.27 | 0.00000618 | 0.00544 | 0.000803 | 0.00727 | 0.0151 | 0.0000182 | 8.78 | 0.00000394 | 0.000192 | 0.000182 | 0.00048 | 0.042 |
| 2031 Sep | 49.6 | 0.00561 | 0.152 | 0.000585 | 10.7 | 0.0443 | 7.9 | 0.00000609 | 0.00535 | 0.000763 | 0.0071 | 0.0145 | 0.0000176 | 8.39 | 0.00000384 | 0.000182 | 0.000173 | 0.000464 | 0.04 |
| 2031 Oct | 48.4 | 0.00555 | 0.146 | 0.00058 | 10.4 | 0.0437 | 7.69 | 0.00000603 | 0.00534 | 0.000739 | 0.007 | 0.0141 | 0.0000173 | 8.18 | 0.00000391 | 0.000176 | 0.000169 | 0.000458 | 0.0386 |
| 2031 Nov | 48.2 | 0.00553 | 0.145 | 0.00058 | 10.4 | 0.0436 | 7.66 | 0.00000602 | 0.00535 | 0.000736 | 0.00698 | 0.0141 | 0.0000172 | 8.15 | 0.00000393 | 0.000175 | 0.000169 | 0.000457 | 0.0384 |
| 2031 Dec | 48.2 | 0.00553 | 0.145 | 0.00058 | 10.4 | 0.0436 | 7.66 | 0.00000602 | 0.00535 | 0.000736 | 0.00698 | 0.0141 | 0.0000172 | 8.15 | 0.00000393 | 0.000175 | 0.000169 | 0.000457 | 0.0384 |
| 2032 Jan | 48.2 | 0.00553 | 0.145 | 0.00058 | 10.4 | 0.0436 | 7.66 | 0.00000602 | 0.00535 | 0.000736 | 0.00698 | 0.0141 | 0.0000172 | 8.14 | 0.00000393 | 0.000175 | 0.000169 | 0.000457 | 0.0383 |
| 2032 Feb | 48.2 | 0.00553 | 0.145 | 0.00058 | 10.4 | 0.0436 | 7.66 | 0.00000602 | 0.00535 | 0.000736 | 0.00698 | 0.0141 | 0.0000172 | 8.14 | 0.00000393 | 0.000175 | 0.000169 | 0.000457 | 0.0383 |
| 2032 Mar | 48.2 | 0.00553 | 0.145 | 0.00058 | 10.4 | 0.0436 | 7.66 | 0.00000602 | 0.00535 | 0.000736 | 0.00698 | 0.0141 | 0.0000172 | 8.14 | 0.00000393 | 0.000175 | 0.000169 | 0.000457 | 0.0383 |
| 2032 Apr | 48.2 | 0.00553 | 0.145 | 0.00058 | 10.4 | 0.0436 | 7.66 | 0.00000602 | 0.00535 | 0.000736 | 0.00698 | 0.0141 | 0.0000172 | 8.15 | 0.00000393 | 0.000175 | 0.000169 | 0.000457 | 0.0384 |
| 2032 May | 48.3 | 0.00554 | 0.145 | 0.000581 | 10.4 | 0.0437 | 7.67 | 0.00000603 | 0.00536 | 0.000737 | 0.007 | 0.0141 | 0.0000172 | 8.16 | 0.00000394 | 0.000175 | 0.000169 | 0.000458 | 0.0384 |
| 2032 Jun | 45 | 0.00633 | 0.121 | 0.000566 | 9.64 | 0.0423 | 7.07 | 0.00000584 | 0.0047 | 0.000659 | 0.00664 | 0.0134 | 0.000016 | 7.54 | 0.00000368 | 0.000154 | 0.000153 | 0.000422 | 0.0327 |
| 2032 Jul | 42.9 | 0.00664 | 0.107 | 0.000557 | 9.17 | 0.0413 | 6.68 | 0.00000573 | 0.00438 | 0.000612 | 0.00644 | 0.0129 | 0.0000152 | 7.15 | 0.00000354 | 0.000141 | 0.000145 | 0.000401 | 0.0296 |
| 2032 Aug | 42.3 | 0.00654 | 0.104 | 0.000558 | 9.05 | 0.041 | 6.58 | 0.00000574 | 0.00441 | 0.000602 | 0.00642 | 0.0128 | 0.0000151 | 7.06 | 0.00000352 | 0.000139 | 0.000143 | 0.000398 | 0.0292 |
| 2032 Sep | 41.9 | 0.0065 | 0.102 | 0.000558 | 8.95 | 0.0408 | 6.51 | 0.00000573 | 0.00442 | 0.000595 | 0.0064 | 0.0126 | 0.0000151 | 6.99 | 0.00000351 | 0.000138 | 0.000141 | 0.000396 | 0.0289 |
| 2032 Oct | 41.7 | 0.00648 | 0.101 | 0.000557 | 8.91 | 0.0407 | 6.48 | 0.00000573 | 0.00444 | 0.000592 | 0.00639 | 0.0126 | 0.000015 | 6.95 | 0.00000353 | 0.000137 | 0.000141 | 0.000395 | 0.0287 |
| 2032 Nov | 41.7 | 0.00647 | 0.101 | 0.000557 | 8.9 | 0.0407 | 6.47 | 0.00000573 | 0.00444 | 0.000591 | 0.00639 | 0.0126 | 0.000015 | 6.95 | 0.00000354 | 0.000136 | 0.000141 | 0.000396 | 0.0286 |

**Appendix D21. Lake A18**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2032 Dec | 41.7 | 0.00647 | 0.101 | 0.000557 | 8.9 | 0.0407 | 6.47 | 0.00000573 | 0.00444 | 0.000591 | 0.00639 | 0.0126 | 0.000015 | 6.95 | 0.00000354 | 0.000136 | 0.000141 | 0.000396 | 0.0286 |
| 2033 Jan | 41.7 | 0.00647 | 0.101 | 0.000557 | 8.9 | 0.0407 | 6.47 | 0.00000573 | 0.00444 | 0.000591 | 0.00639 | 0.0126 | 0.000015 | 6.95 | 0.00000354 | 0.000136 | 0.000141 | 0.000395 | 0.0286 |
| 2033 Feb | 41.7 | 0.00648 | 0.101 | 0.000557 | 8.9 | 0.0407 | 6.47 | 0.00000573 | 0.00444 | 0.000591 | 0.00639 | 0.0126 | 0.000015 | 6.95 | 0.00000354 | 0.000136 | 0.000141 | 0.000395 | 0.0286 |
| 2033 Mar | 41.7 | 0.00648 | 0.101 | 0.000557 | 8.9 | 0.0407 | 6.47 | 0.00000573 | 0.00444 | 0.000591 | 0.00639 | 0.0126 | 0.000015 | 6.95 | 0.00000354 | 0.000136 | 0.000141 | 0.000396 | 0.0286 |
| 2033 Apr | 41.7 | 0.00648 | 0.101 | 0.000558 | 8.91 | 0.0407 | 6.48 | 0.00000573 | 0.00444 | 0.000591 | 0.00639 | 0.0126 | 0.000015 | 6.95 | 0.00000355 | 0.000136 | 0.000141 | 0.000396 | 0.0286 |
| 2033 May | 40.6 | 0.00662 | 0.0948 | 0.000555 | 8.59 | 0.0401 | 6.31 | 0.0000057 | 0.00432 | 0.000569 | 0.00632 | 0.0123 | 0.0000147 | 6.75 | 0.00000349 | 0.000131 | 0.000135 | 0.000387 | 0.0272 |
| 2033 Jun | 37.4 | 0.00701 | 0.0767 | 0.000541 | 7.7 | 0.0382 | 5.78 | 0.00000553 | 0.00387 | 0.000501 | 0.00603 | 0.0115 | 0.0000137 | 6.14 | 0.00000328 | 0.000115 | 0.000119 | 0.000359 | 0.0228 |
| 2033 Jul | 37.2 | 0.00705 | 0.0749 | 0.000544 | 7.67 | 0.0382 | 5.75 | 0.00000555 | 0.00388 | 0.000497 | 0.00604 | 0.0115 | 0.0000137 | 6.11 | 0.00000328 | 0.000114 | 0.000119 | 0.000358 | 0.0225 |
| 2033 Aug | 37.1 | 0.00701 | 0.0739 | 0.000547 | 7.65 | 0.0382 | 5.72 | 0.00000558 | 0.00393 | 0.000495 | 0.00606 | 0.0114 | 0.0000137 | 6.09 | 0.00000328 | 0.000113 | 0.000119 | 0.000358 | 0.0225 |
| 2033 Sep | 36.1 | 0.00699 | 0.0702 | 0.000544 | 7.44 | 0.0375 | 5.57 | 0.00000554 | 0.00392 | 0.00048 | 0.006 | 0.0111 | 0.0000135 | 5.94 | 0.00000324 | 0.00011 | 0.000116 | 0.000352 | 0.022 |
| 2033 Oct | 35.4 | 0.0068 | 0.0664 | 0.00054 | 7.3 | 0.0372 | 5.44 | 0.0000055 | 0.00401 | 0.000466 | 0.00593 | 0.0109 | 0.0000133 | 5.81 | 0.00000339 | 0.000106 | 0.000114 | 0.000352 | 0.0212 |
| 2033 Nov | 35.2 | 0.00671 | 0.0651 | 0.000539 | 7.25 | 0.0371 | 5.4 | 0.00000549 | 0.00405 | 0.000462 | 0.00591 | 0.0108 | 0.0000132 | 5.77 | 0.00000346 | 0.000105 | 0.000114 | 0.000353 | 0.0209 |
| 2033 Dec | 35.2 | 0.00671 | 0.0651 | 0.000539 | 7.25 | 0.0371 | 5.4 | 0.00000549 | 0.00405 | 0.000462 | 0.00591 | 0.0108 | 0.0000132 | 5.77 | 0.00000346 | 0.000105 | 0.000114 | 0.000353 | 0.0209 |
| 2034 Jan | 35.2 | 0.00671 | 0.0651 | 0.000539 | 7.25 | 0.0371 | 5.4 | 0.00000549 | 0.00405 | 0.000462 | 0.00591 | 0.0108 | 0.0000132 | 5.77 | 0.00000345 | 0.000105 | 0.000114 | 0.000353 | 0.0209 |
| 2034 Feb | 35.2 | 0.00671 | 0.0651 | 0.000539 | 7.25 | 0.0371 | 5.4 | 0.00000549 | 0.00405 | 0.000462 | 0.00591 | 0.0108 | 0.0000132 | 5.77 | 0.00000345 | 0.000105 | 0.000114 | 0.000353 | 0.0209 |
| 2034 Mar | 35.2 | 0.00671 | 0.0651 | 0.000539 | 7.25 | 0.0371 | 5.4 | 0.00000549 | 0.00405 | 0.000462 | 0.00591 | 0.0108 | 0.0000132 | 5.77 | 0.00000345 | 0.000105 | 0.000114 | 0.000353 | 0.0209 |
| 2034 Apr | 35.2 | 0.00671 | 0.0651 | 0.000539 | 7.25 | 0.0371 | 5.41 | 0.00000549 | 0.00405 | 0.000462 | 0.00591 | 0.0108 | 0.0000132 | 5.77 | 0.00000346 | 0.000105 | 0.000114 | 0.000353 | 0.0209 |
| 2034 May | 35.1 | 0.00676 | 0.0642 | 0.00054 | 7.21 | 0.0371 | 5.39 | 0.0000055 | 0.00403 | 0.000459 | 0.00591 | 0.0108 | 0.0000132 | 5.75 | 0.00000345 | 0.000104 | 0.000113 | 0.000352 | 0.0207 |
| 2034 Jun | 33.1 | 0.0072 | 0.0521 | 0.00053 | 6.66 | 0.036 | 5.07 | 0.00000538 | 0.00363 | 0.000415 | 0.00571 | 0.0104 | 0.0000125 | 5.37 | 0.00000325 | 0.0000935 | 0.000102 | 0.000331 | 0.0176 |
| 2034 Jul | 33.2 | 0.0073 | 0.0511 | 0.000534 | 6.68 | 0.0362 | 5.07 | 0.00000541 | 0.00362 | 0.000414 | 0.00574 | 0.0104 | 0.0000126 | 5.38 | 0.00000326 | 0.0000929 | 0.000103 | 0.000331 | 0.0174 |
| 2034 Aug | 33.4 | 0.00733 | 0.0511 | 0.000539 | 6.73 | 0.0365 | 5.1 | 0.00000547 | 0.00367 | 0.000416 | 0.00579 | 0.0105 | 0.0000127 | 5.41 | 0.00000328 | 0.0000935 | 0.000103 | 0.000334 | 0.0175 |
| 2034 Sep | 33.1 | 0.00735 | 0.0499 | 0.000538 | 6.65 | 0.0362 | 5.04 | 0.00000546 | 0.00367 | 0.000411 | 0.00577 | 0.0104 | 0.0000126 | 5.35 | 0.00000326 | 0.0000924 | 0.000102 | 0.000332 | 0.0174 |
| 2034 Oct | 32.5 | 0.0073 | 0.0478 | 0.000535 | 6.54 | 0.0358 | 4.95 | 0.00000542 | 0.0037 | 0.000403 | 0.00572 | 0.0102 | 0.0000125 | 5.26 | 0.00000329 | 0.0000903 | 0.0001 | 0.00033 | 0.0171 |
| 2034 Nov | 32.5 | 0.00728 | 0.0476 | 0.000535 | 6.54 | 0.0358 | 4.95 | 0.00000542 | 0.00371 | 0.000402 | 0.00572 | 0.0102 | 0.0000125 | 5.26 | 0.00000331 | 0.0000902 | 0.000101 | 0.00033 | 0.017 |
| 2034 Dec | 32.5 | 0.00728 | 0.0476 | 0.000535 | 6.53 | 0.0358 | 4.95 | 0.00000542 | 0.00371 | 0.000402 | 0.00572 | 0.0102 | 0.0000125 | 5.26 | 0.00000331 | 0.0000902 | 0.000101 | 0.00033 | 0.017 |
| 2035 Jan | 32.5 | 0.00728 | 0.0476 | 0.000535 | 6.53 | 0.0358 | 4.95 | 0.00000542 | 0.00371 | 0.000402 | 0.00572 | 0.0102 | 0.0000125 | 5.26 | 0.00000331 | 0.0000902 | 0.000101 | 0.00033 | 0.017 |
| 2035 Feb | 32.5 | 0.00728 | 0.0476 | 0.000535 | 6.53 | 0.0358 | 4.95 | 0.00000542 | 0.00371 | 0.000402 | 0.00572 | 0.0102 | 0.0000125 | 5.26 | 0.00000331 | 0.0000902 | 0.000101 | 0.00033 | 0.017 |
| 2035 Mar | 32.5 | 0.00728 | 0.0476 | 0.000535 | 6.53 | 0.0358 | 4.95 | 0.00000542 | 0.00371 | 0.000402 | 0.00572 | 0.0102 | 0.0000125 | 5.26 | 0.00000331 | 0.0000902 | 0.000101 | 0.00033 | 0.017 |
| 2035 Apr | 32.5 | 0.00729 | 0.0476 | 0.000535 | 6.54 | 0.0358 | 4.95 | 0.00000542 | 0.00372 | 0.000402 | 0.00573 | 0.0102 | 0.0000125 | 5.26 | 0.00000331 | 0.0000902 | 0.000101 | 0.00033 | 0.017 |
| 2035 May | 32.6 | 0.00731 | 0.0477 | 0.000537 | 6.55 | 0.0359 | 4.97 | 0.00000544 | 0.00373 | 0.000403 | 0.00574 | 0.0102 | 0.0000125 | 5.27 | 0.00000332 | 0.0000905 | 0.000101 | 0.000331 | 0.0171 |
| 2035 Jun | 31.5 | 0.00778 | 0.039 | 0.000527 | 6.32 | 0.0355 | 4.76 | 0.00000533 | 0.00332 | 0.000375 | 0.00557 | 0.01 | 0.000012 | 5.06 | 0.00000314 | 0.0000821 | 0.0000946 | 0.000314 | 0.0146 |
| 2035 Jul | 31.6 | 0.00794 | 0.0374 | 0.00053 | 6.35 | 0.0358 | 4.76 | 0.00000535 | 0.00326 | 0.000372 | 0.00558 | 0.0101 | 0.0000119 | 5.07 | 0.00000313 | 0.000081 | 0.0000946 | 0.000313 | 0.0143 |
| 2035 Aug | 31.6 | 0.00789 | 0.037 | 0.000533 | 6.35 | 0.0358 | 4.75 | 0.00000538 | 0.00331 | 0.000372 | 0.00561 | 0.0101 | 0.000012 | 5.07 | 0.00000314 | 0.000081 | 0.0000946 | 0.000314 | 0.0144 |
| 2035 Sep | 30.8 | 0.0078 | 0.0348 | 0.00053 | 6.18 | 0.0351 | 4.62 | 0.00000535 | 0.00335 | 0.000361 | 0.00556 | 0.0098 | 0.0000118 | 4.94 | 0.0000031 | 0.0000789 | 0.0000917 | 0.000309 | 0.0142 |
| 2035 Oct | 30.3 | 0.00772 | 0.0332 | 0.000527 | 6.08 | 0.0347 | 4.54 | 0.00000532 | 0.0034 | 0.000354 | 0.00552 | 0.00961 | 0.0000117 | 4.86 | 0.00000315 | 0.0000773 | 0.0000906 | 0.000308 | 0.014 |
| 2035 Nov | 30.1 | 0.00763 | 0.0327 | 0.000526 | 6.06 | 0.0347 | 4.53 | 0.00000531 | 0.00344 | 0.000353 | 0.00551 | 0.00957 | 0.0000117 | 4.84 | 0.0000032 | 0.0000768 | 0.0000907 | 0.000309 | 0.0139 |
| 2035 Dec | 30.1 | 0.00763 | 0.0327 | 0.000526 | 6.06 | 0.0347 | 4.53 | 0.00000531 | 0.00344 | 0.000353 | 0.00551 | 0.00957 | 0.0000117 | 4.84 | 0.0000032 | 0.0000768 | 0.0000907 | 0.000309 | 0.0139 |
| 2036 Jan | 30.1 | 0.00763 | 0.0327 | 0.000526 | 6.06 | 0.0347 | 4.53 | 0.00000531 | 0.00344 | 0.000352 | 0.0055 | 0.00957 | 0.0000117 | 4.84 | 0.0000032 | 0.0000768 | 0.0000907 | 0.000309 | 0.0139 |
| 2036 Feb | 30.1 | 0.00763 | 0.0327 | 0.000526 | 6.06 | 0.0347 | 4.53 | 0.00000531 | 0.00344 | 0.000352 | 0.0055 | 0.00957 | 0.0000117 | 4.84 | 0.0000032 | 0.0000768 | 0.0000907 | 0.000309 | 0.0139 |
| 2036 Mar | 30.1 | 0.00763 | 0.0327 | 0.000526 | 6.06 | 0.0347 | 4.53 | 0.00000531 | 0.00344 | 0.000352 | 0.0055 | 0.00957 | 0.0000117 | 4.84 | 0.0000032 | 0.0000768 | 0.0000907 | 0.000309 | 0.0139 |
| 2036 Apr | 30.2 | 0.00764 | 0.0327 | 0.000526 | 6.07 | 0.0347 | 4.53 | 0.00000531 | 0.00344 | 0.000353 | 0.00551 | 0.00957 | 0.0000117 | 4.85 | 0.00000321 | 0.0000768 | 0.0000908 | 0.00031 | 0.0139 |
| 2036 May | 30.3 | 0.00766 | 0.0328 | 0.000528 | 6.09 | 0.0348 | 4.54 | 0.00000533 | 0.00346 | 0.000354 | 0.00553 | 0.0096 | 0.0000117 | 4.86 | 0.00000322 | 0.0000771 | 0.0000911 | 0.000311 | 0.0139 |
| 2036 Jun | 30 | 0.00805 | 0.0283 | 0.000523 | 6.07 | 0.0349 | 4.47 | 0.00000527 | 0.00315 | 0.000341 | 0.00543 | 0.00964 | 0.0000114 | 4.8 | 0.0000031 | 0.0000727 | 0.0000887 | 0.0003 | 0.0125 |
| 2036 Jul | 29.9 | 0.0082 | 0.0261 | 0.000522 | 6.07 | 0.035 | 4.44 | 0.00000526 | 0.00305 | 0.000336 | 0.00541 | 0.00967 | 0.0000113 | 4.78 | 0.00000305 | 0.0000707 | 0.0000883 | 0.000296 | 0.0119 |
| 2036 Aug | 29.9 | 0.00816 | 0.0259 | 0.000526 | 6.07 | 0.0351 | 4.44 | 0.00000529 | 0.0031 | 0.000336 | 0.00544 | 0.00969 | 0.0000114 | 4.79 | 0.00000306 | 0.0000709 | 0.0000887 | 0.000298 | 0.012 |
| 2036 Sep | 29.8 | 0.00812 | 0.0254 | 0.000526 | 6.03 | 0.035 | 4.41 | 0.00000529 | 0.00313 | 0.000334 | 0.00544 | 0.00962 | 0.0000114 | 4.76 | 0.00000306 | 0.0000705 | 0.000088 | 0.000297 | 0.0121 |
| 2036 Oct | 29.3 | 0.00806 | 0.0242 | 0.000524 | 5.94 | 0.0346 | 4.34 | 0.00000527 | 0.00319 | 0.000328 | 0.00541 | 0.00944 | 0.0000113 | 4.68 | 0.00000309 | 0.0000694 | 0.0000868 | 0.000297 | 0.012 |
| 2036 Nov | 29.3 | 0.00804 | 0.0241 | 0.000524 | 5.93 | 0.0346 | 4.34 | 0.00000527 | 0.0032 | 0.000328 | 0.00541 | 0.00943 | 0.0000113 | 4.68 | 0.00000311 | 0.0000693 | 0.0000869 | 0.000297 | 0.012 |
| 2036 Dec | 29.3 | 0.00804 | 0.0241 | 0.000524 | 5.93 | 0.0346 | 4.34 | 0.00000527 | 0.0032 | 0.000328 | 0.00541 | 0.00943 | 0.0000113 | 4.68 | 0.00000311 | 0.0000693 | 0.0000869 | 0.000297 | 0.012 |
| 2037 Jan | 29.3 | 0.00804 | 0.0241 | 0.000524 | 5.93 | 0.0346 | 4.34 | 0.00000527 | 0.0032 | 0.000328 | 0.00541 | 0.00943 | 0.0000113 | 4.68 | 0.00000311 | 0.0000693 | 0.0000869 | 0.000297 | 0.012 |
| 2037 Feb | 29.3 | 0.00804 | 0.0241 | 0.000524 | 5.93 | 0.0346 | 4.34 | 0.00000527 | 0.0032 | 0.000328 | 0.00541 | 0.00943 | 0.0000113 | 4.68 | 0.00000311 | 0.0000693 | 0.0000869 | 0.000297 | 0.012 |
| 2037 Mar | 29.3 | 0.00804 | 0.0241 | 0.000524 | 5.93 | 0.0346 | 4.34 | 0.00000527 | 0.0032 | 0.000328 | 0.00541 | 0.00943 | 0.0000113 | 4.68 | 0.00000311 | 0.0000693 | 0.0000869 | 0.000297 | 0.012 |
| 2037 Apr | 29.3 | 0.00804 | 0.0241 | 0.000524 | 5.94 | 0.0346 | 4.34 | 0.00000527 | 0.0032 | 0.000328 | 0.00541 | 0.00943 | 0.0000113 | 4.68 | 0.00000311 | 0.0000693 | 0.0000869 | 0.000297 | 0.012 |
| 2037 May | 29 | 0.00808 | 0.0229 | 0.000523 | 5.81 | 0.0343 | 4.3 | 0.00000526 | 0.00315 | 0.000322 | 0.00539 | 0.00935 | 0.0000112 | 4.62 | 0.00000307 | 0.0000683 | 0.0000849 | 0.000295 | 0.0116 |
| 2037 Jun | 27.8 | 0.00822 | 0.0179 | 0.000511 | 5.41 | 0.0333 | 4.13 | 0.00000513 | 0.00285 | 0.000299 | 0.00523 | 0.00906 | 0.0000108 | 4.39 | 0.0000029 | 0.000063 | 0.0000776 | 0.00028 | 0.00986 |
| 2037 Jul | 27.9 | 0.00826 | 0.0173 | 0.000513 | 5.44 | 0.0335 | 4.13 | 0.00000515 | 0.00284 | 0.000298 | 0.00524 | 0.00911 | 0.0000108 | 4.4 | 0.00000289 | 0.0000627 | 0.0000782 | 0.00028 | 0.00978 |
| 2037 Aug | 27.9 | 0.00822 | 0.0172 | 0.000516 | 5.45 | 0.0336 | 4.13 | 0.00000519 | 0.0029 | 0.000299 | 0.00528 | 0.00913 | 0.0000109 | 4.41 | 0.00000291 | 0.000063 | 0.0000787 | 0.000282 | 0.00992 |
| 2037 Sep | 27.9 | 0.00823 | 0.0171 | 0.000519 | 5.46 | 0.0337 | 4.14 | 0.00000521 | 0.00293 | 0.0003 | 0.0053 | 0.00914 | 0.0000109 | 4.41 | 0.00000292 | 0.0000631 | 0.0000788 | 0.000283 | 0.01 |
| 2037 Oct | 27.8 | 0.00818 | 0.0168 | 0.000519 | 5.45 | 0.0336 | 4.12 | 0.00000521 | 0.00297 | 0.000298 | 0.0053 | 0.00909 | 0.0000109 | 4.4 | 0.00000296 | 0.0000629 | 0.0000788 | 0.000284 | 0.01 |
| 2037 Nov | 27.8 | 0.00814 | 0.0168 | 0.000519 | 5.45 | 0.0336 | 4.12 | 0.00000521 | 0.00299 | 0.000298 | 0.0053 | 0.00908 | 0.0000109 | 4.4 | 0.00000298 | 0.0000628 | 0.000079 | 0.000285 | 0.01 |
| 2037 Dec | 27.8 | 0.00815 | 0.0167 | 0.000519 | 5.45 | 0.0336 | 4.12 | 0.00000521 | 0.00299 | 0.000298 | 0.0053 | 0.00908 | 0.0000109 | 4.4 | 0.00000298 | 0.0000628 | 0.000079 | 0.000285 | 0.01 |
| 2038 Jan | 27.8 | 0.00815 | 0.0167 | 0.000519 | 5.45 | 0.0336 | 4.12 | 0.00000521 | 0.00299 | 0.000298 | 0.0053 | 0.00908 | 0.0000109 | 4.4 | 0.00000298 | 0.0000628 | 0.000079 | 0.000285 | 0.01 |
| 2038 Feb | 27.8 | 0.00815 | 0.0167 | 0.000519 | 5.45 | 0.0336 | 4.12 | 0.00000521 | 0.00299 | 0.000298 | 0.0053 | 0.00908 | 0.0000109 | 4.4 | 0.00000298 | 0.0000628 | 0.000079 | 0.000285 | 0.01 |
| 2038 Mar | 27.8 | 0.00815 | 0.0167 | 0.000519 | 5.45 | 0.0336 | 4.12 | 0.00000521 | 0.00299 | 0.000298 | 0.0053 | 0.00908 | 0.0000109 | 4.4 | 0.00000298 | 0.0000628 | 0.000079 | 0.000285 | 0.01 |
| 2038 Apr | 27.8 | 0.00815 | 0.0168 | 0.000519 | 5.45 | 0.0336 | 4.12 | 0.00000521 | 0.00299 | 0.000298 | 0.0053 | 0.00908 | 0.0000109 | 4.4 | 0.00000298 | 0.0000628 | 0.000079 | 0.000285 | 0.01 |

**Appendix D21. Lake A18**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 May | 27.7 | 0.00818 | 0.0163 | 0.000519 | 5.4 | 0.0336 | 4.11 | 0.00000521 | 0.00297 | 0.000296 | 0.0053 | 0.00906 | 0.0000109 | 4.38 | 0.00000297 | 0.0000625 | 0.0000782 | 0.000284 | 0.00986 |
| 2038 Jun | 27.1 | 0.00827 | 0.0137 | 0.000513 | 5.15 | 0.033 | 4.02 | 0.00000515 | 0.0028 | 0.000283 | 0.00522 | 0.00889 | 0.0000107 | 4.24 | 0.00000287 | 0.0000599 | 0.0000737 | 0.000276 | 0.0089 |
| 2038 Jul | 27.4 | 0.00839 | 0.0137 | 0.000519 | 5.22 | 0.0334 | 4.07 | 0.00000521 | 0.00283 | 0.000286 | 0.00528 | 0.00902 | 0.0000108 | 4.3 | 0.0000029 | 0.0000605 | 0.0000748 | 0.000279 | 0.00898 |
| 2038 Aug | 27.5 | 0.00836 | 0.0137 | 0.000524 | 5.25 | 0.0336 | 4.09 | 0.00000526 | 0.00289 | 0.000288 | 0.00533 | 0.00905 | 0.0000109 | 4.32 | 0.00000292 | 0.0000609 | 0.0000754 | 0.000282 | 0.00914 |
| 2038 Sep | 27.4 | 0.00837 | 0.0135 | 0.000525 | 5.23 | 0.0335 | 4.07 | 0.00000526 | 0.00291 | 0.000287 | 0.00533 | 0.00901 | 0.0000109 | 4.31 | 0.00000292 | 0.0000608 | 0.000075 | 0.000281 | 0.00922 |
| 2038 Oct | 27.2 | 0.00833 | 0.0131 | 0.000523 | 5.19 | 0.0333 | 4.03 | 0.00000524 | 0.00295 | 0.000285 | 0.00531 | 0.00891 | 0.0000108 | 4.27 | 0.00000293 | 0.0000603 | 0.0000745 | 0.000281 | 0.00925 |
| 2038 Nov | 27.2 | 0.00833 | 0.0131 | 0.000523 | 5.19 | 0.0333 | 4.04 | 0.00000525 | 0.00296 | 0.000285 | 0.00531 | 0.00891 | 0.0000108 | 4.27 | 0.00000294 | 0.0000603 | 0.0000746 | 0.000281 | 0.00926 |
| 2038 Dec | 27.2 | 0.00833 | 0.0131 | 0.000523 | 5.19 | 0.0333 | 4.04 | 0.00000525 | 0.00296 | 0.000285 | 0.00531 | 0.00891 | 0.0000108 | 4.27 | 0.00000294 | 0.0000603 | 0.0000746 | 0.000281 | 0.00925 |
| 2039 Jan | 27.2 | 0.00833 | 0.0131 | 0.000523 | 5.19 | 0.0333 | 4.03 | 0.00000525 | 0.00296 | 0.000285 | 0.00531 | 0.00891 | 0.0000108 | 4.27 | 0.00000294 | 0.0000603 | 0.0000746 | 0.000281 | 0.00925 |
| 2039 Feb | 27.2 | 0.00833 | 0.0131 | 0.000523 | 5.19 | 0.0333 | 4.03 | 0.00000525 | 0.00296 | 0.000285 | 0.00531 | 0.00891 | 0.0000108 | 4.27 | 0.00000294 | 0.0000603 | 0.0000746 | 0.000281 | 0.00925 |
| 2039 Mar | 27.2 | 0.00833 | 0.0131 | 0.000523 | 5.19 | 0.0333 | 4.04 | 0.00000525 | 0.00296 | 0.000285 | 0.00531 | 0.00891 | 0.0000108 | 4.27 | 0.00000294 | 0.0000603 | 0.0000746 | 0.000281 | 0.00926 |
| 2039 Apr | 27.2 | 0.00833 | 0.0131 | 0.000523 | 5.19 | 0.0333 | 4.04 | 0.00000525 | 0.00296 | 0.000285 | 0.00531 | 0.00891 | 0.0000109 | 4.27 | 0.00000294 | 0.0000603 | 0.0000746 | 0.000281 | 0.00926 |
| 2039 May | 27.3 | 0.00835 | 0.0131 | 0.000524 | 5.2 | 0.0334 | 4.04 | 0.00000526 | 0.00296 | 0.000285 | 0.00533 | 0.00893 | 0.0000109 | 4.28 | 0.00000295 | 0.0000605 | 0.0000747 | 0.000282 | 0.00928 |
| 2039 Jun | 27.6 | 0.00867 | 0.0117 | 0.000519 | 5.36 | 0.0338 | 4.06 | 0.0000052 | 0.00271 | 0.000284 | 0.00525 | 0.00911 | 0.0000107 | 4.33 | 0.00000286 | 0.0000585 | 0.0000754 | 0.000276 | 0.00853 |
| 2039 Jul | 27.5 | 0.00865 | 0.0108 | 0.000518 | 5.4 | 0.0338 | 4.03 | 0.00000519 | 0.00268 | 0.000283 | 0.00524 | 0.00914 | 0.0000106 | 4.33 | 0.00000283 | 0.0000577 | 0.0000764 | 0.000273 | 0.00841 |
| 2039 Aug | 27.4 | 0.00852 | 0.0107 | 0.000521 | 5.39 | 0.0338 | 4.02 | 0.00000522 | 0.00277 | 0.000283 | 0.00527 | 0.00912 | 0.0000107 | 4.32 | 0.00000284 | 0.0000579 | 0.0000773 | 0.000275 | 0.00866 |
| 2039 Sep | 27.4 | 0.00853 | 0.0105 | 0.000523 | 5.37 | 0.0338 | 4.01 | 0.00000524 | 0.0028 | 0.000282 | 0.00528 | 0.00909 | 0.0000107 | 4.31 | 0.00000284 | 0.0000579 | 0.000077 | 0.000275 | 0.00876 |
| 2039 Oct | 27.3 | 0.00855 | 0.0104 | 0.000523 | 5.36 | 0.0337 | 3.99 | 0.00000524 | 0.00281 | 0.000281 | 0.00528 | 0.00905 | 0.0000107 | 4.3 | 0.00000284 | 0.0000578 | 0.0000767 | 0.000275 | 0.0088 |
| 2039 Nov | 27.3 | 0.00855 | 0.0104 | 0.000523 | 5.36 | 0.0337 | 4 | 0.00000524 | 0.00281 | 0.000282 | 0.00528 | 0.00905 | 0.0000107 | 4.3 | 0.00000284 | 0.0000579 | 0.0000767 | 0.000275 | 0.0088 |
| 2039 Dec | 27.3 | 0.00855 | 0.0104 | 0.000523 | 5.36 | 0.0337 | 4 | 0.00000524 | 0.00281 | 0.000282 | 0.00528 | 0.00905 | 0.0000107 | 4.3 | 0.00000284 | 0.0000579 | 0.0000767 | 0.000275 | 0.0088 |
| 2040 Jan | 27.3 | 0.00855 | 0.0104 | 0.000523 | 5.36 | 0.0337 | 4 | 0.00000524 | 0.00281 | 0.000282 | 0.00528 | 0.00905 | 0.0000107 | 4.3 | 0.00000284 | 0.0000579 | 0.0000767 | 0.000275 | 0.0088 |
| 2040 Feb | 27.3 | 0.00855 | 0.0104 | 0.000523 | 5.36 | 0.0337 | 4 | 0.00000524 | 0.00281 | 0.000282 | 0.00528 | 0.00905 | 0.0000107 | 4.3 | 0.00000284 | 0.0000579 | 0.0000767 | 0.000275 | 0.0088 |
| 2040 Mar | 27.3 | 0.00855 | 0.0104 | 0.000523 | 5.36 | 0.0337 | 4 | 0.00000524 | 0.00281 | 0.000282 | 0.00528 | 0.00905 | 0.0000107 | 4.3 | 0.00000284 | 0.0000579 | 0.0000767 | 0.000275 | 0.0088 |
| 2040 Apr | 27.3 | 0.00855 | 0.0104 | 0.000523 | 5.36 | 0.0337 | 4 | 0.00000524 | 0.00281 | 0.000282 | 0.00529 | 0.00905 | 0.0000107 | 4.3 | 0.00000284 | 0.0000579 | 0.0000767 | 0.000275 | 0.0088 |
| 2040 May | 27.3 | 0.00857 | 0.0103 | 0.000523 | 5.34 | 0.0337 | 4 | 0.00000525 | 0.00281 | 0.000281 | 0.00529 | 0.00905 | 0.0000107 | 4.29 | 0.00000284 | 0.0000579 | 0.0000765 | 0.000275 | 0.00876 |
| 2040 Jun | 26.8 | 0.00865 | 0.0088 | 0.000516 | 5.14 | 0.0332 | 3.94 | 0.00000517 | 0.00264 | 0.000272 | 0.00521 | 0.00894 | 0.0000105 | 4.19 | 0.00000276 | 0.000056 | 0.0000726 | 0.000269 | 0.00794 |
| 2040 Jul | 27 | 0.00868 | 0.00867 | 0.000519 | 5.19 | 0.0334 | 3.96 | 0.0000052 | 0.00265 | 0.000273 | 0.00523 | 0.009 | 0.0000106 | 4.22 | 0.00000276 | 0.0000561 | 0.0000735 | 0.00027 | 0.00797 |
| 2040 Aug | 26.9 | 0.00856 | 0.00855 | 0.000521 | 5.18 | 0.0334 | 3.94 | 0.00000522 | 0.00272 | 0.000273 | 0.00526 | 0.00897 | 0.0000106 | 4.21 | 0.00000277 | 0.0000562 | 0.0000741 | 0.000271 | 0.00818 |
| 2040 Sep | 26.6 | 0.00839 | 0.00831 | 0.000521 | 5.13 | 0.0331 | 3.9 | 0.00000522 | 0.00279 | 0.000271 | 0.00525 | 0.00886 | 0.0000106 | 4.17 | 0.00000276 | 0.000056 | 0.0000732 | 0.00027 | 0.00836 |
| 2040 Oct | 26.6 | 0.00841 | 0.00831 | 0.000522 | 5.14 | 0.0331 | 3.9 | 0.00000523 | 0.0028 | 0.000271 | 0.00526 | 0.00887 | 0.0000106 | 4.18 | 0.00000277 | 0.0000561 | 0.0000732 | 0.000271 | 0.00839 |
| 2040 Nov | 26.6 | 0.00842 | 0.00831 | 0.000522 | 5.14 | 0.0331 | 3.9 | 0.00000523 | 0.0028 | 0.000271 | 0.00526 | 0.00887 | 0.0000106 | 4.18 | 0.00000277 | 0.0000561 | 0.0000733 | 0.000271 | 0.00839 |
| 2040 Dec | 26.6 | 0.00842 | 0.00831 | 0.000522 | 5.14 | 0.0331 | 3.9 | 0.00000523 | 0.0028 | 0.000271 | 0.00526 | 0.00887 | 0.0000106 | 4.18 | 0.00000277 | 0.0000561 | 0.0000733 | 0.000271 | 0.00839 |
| 2041 Jan | 26.6 | 0.00842 | 0.00831 | 0.000522 | 5.14 | 0.0331 | 3.9 | 0.00000523 | 0.0028 | 0.000271 | 0.00526 | 0.00887 | 0.0000106 | 4.18 | 0.00000277 | 0.0000561 | 0.0000733 | 0.000271 | 0.00839 |
| 2041 Feb | 26.6 | 0.00842 | 0.00831 | 0.000522 | 5.14 | 0.0331 | 3.9 | 0.00000523 | 0.0028 | 0.000271 | 0.00526 | 0.00887 | 0.0000106 | 4.18 | 0.00000277 | 0.0000561 | 0.0000733 | 0.000271 | 0.00839 |
| 2041 Mar | 26.6 | 0.00842 | 0.00831 | 0.000522 | 5.14 | 0.0331 | 3.9 | 0.00000523 | 0.0028 | 0.000271 | 0.00526 | 0.00887 | 0.0000106 | 4.18 | 0.00000277 | 0.0000561 | 0.0000733 | 0.000271 | 0.00839 |
| 2041 Apr | 26.6 | 0.00842 | 0.00831 | 0.000522 | 5.14 | 0.0331 | 3.9 | 0.00000523 | 0.0028 | 0.000271 | 0.00526 | 0.00887 | 0.0000106 | 4.18 | 0.00000277 | 0.0000562 | 0.0000733 | 0.000271 | 0.00839 |
| 2041 May | 26.7 | 0.00843 | 0.0083 | 0.000523 | 5.14 | 0.0332 | 3.91 | 0.00000524 | 0.0028 | 0.000272 | 0.00527 | 0.00888 | 0.0000106 | 4.18 | 0.00000278 | 0.0000562 | 0.0000733 | 0.000271 | 0.00839 |
| 2041 Jun | 27 | 0.00865 | 0.00785 | 0.00052 | 5.26 | 0.0335 | 3.94 | 0.0000052 | 0.00264 | 0.000273 | 0.00523 | 0.00902 | 0.0000106 | 4.23 | 0.00000274 | 0.0000554 | 0.0000739 | 0.000268 | 0.00797 |
| 2041 Jul | 27.1 | 0.00872 | 0.00742 | 0.000518 | 5.34 | 0.0337 | 3.94 | 0.00000518 | 0.00257 | 0.000273 | 0.00521 | 0.0091 | 0.0000105 | 4.25 | 0.00000271 | 0.0000548 | 0.000075 | 0.000266 | 0.00779 |
| 2041 Aug | 26.7 | 0.0084 | 0.00717 | 0.000518 | 5.27 | 0.0333 | 3.88 | 0.00000519 | 0.0027 | 0.00027 | 0.00521 | 0.00897 | 0.0000105 | 4.2 | 0.00000271 | 0.0000547 | 0.0000753 | 0.000266 | 0.00814 |
| 2041 Sep | 26.6 | 0.00836 | 0.00707 | 0.000519 | 5.24 | 0.0332 | 3.86 | 0.00000519 | 0.00274 | 0.00027 | 0.00522 | 0.00891 | 0.0000105 | 4.18 | 0.00000271 | 0.0000547 | 0.0000748 | 0.000266 | 0.00826 |
| 2041 Oct | 26.3 | 0.00838 | 0.00692 | 0.000517 | 5.19 | 0.0329 | 3.82 | 0.00000518 | 0.00277 | 0.000267 | 0.0052 | 0.0088 | 0.0000105 | 4.14 | 0.0000027 | 0.0000544 | 0.000074 | 0.000265 | 0.00834 |
| 2041 Nov | 26.3 | 0.00838 | 0.00692 | 0.000517 | 5.19 | 0.0329 | 3.82 | 0.00000518 | 0.00277 | 0.000267 | 0.0052 | 0.0088 | 0.0000105 | 4.15 | 0.0000027 | 0.0000544 | 0.000074 | 0.000266 | 0.00835 |
| 2041 Dec | 26.3 | 0.00838 | 0.00692 | 0.000517 | 5.19 | 0.0329 | 3.82 | 0.00000518 | 0.00277 | 0.000267 | 0.0052 | 0.0088 | 0.0000105 | 4.15 | 0.0000027 | 0.0000544 | 0.000074 | 0.000266 | 0.00835 |
| 2042 Jan | 26.3 | 0.00838 | 0.00692 | 0.000517 | 5.19 | 0.0329 | 3.82 | 0.00000518 | 0.00277 | 0.000267 | 0.0052 | 0.0088 | 0.0000105 | 4.15 | 0.0000027 | 0.0000544 | 0.000074 | 0.000266 | 0.00835 |
| 2042 Feb | 26.3 | 0.00838 | 0.00692 | 0.000517 | 5.19 | 0.0329 | 3.82 | 0.00000518 | 0.00277 | 0.000267 | 0.0052 | 0.0088 | 0.0000105 | 4.15 | 0.0000027 | 0.0000544 | 0.000074 | 0.000266 | 0.00835 |
| 2042 Mar | 26.3 | 0.00838 | 0.00692 | 0.000518 | 5.19 | 0.0329 | 3.82 | 0.00000518 | 0.00277 | 0.000267 | 0.0052 | 0.0088 | 0.0000105 | 4.15 | 0.00000271 | 0.0000544 | 0.000074 | 0.000266 | 0.00835 |
| 2042 Apr | 26.3 | 0.00838 | 0.00692 | 0.000518 | 5.19 | 0.0329 | 3.83 | 0.00000518 | 0.00277 | 0.000268 | 0.0052 | 0.00881 | 0.0000105 | 4.15 | 0.00000271 | 0.0000545 | 0.0000741 | 0.000266 | 0.00835 |
| 2042 May | 26.4 | 0.00841 | 0.00692 | 0.000519 | 5.2 | 0.033 | 3.84 | 0.0000052 | 0.00278 | 0.000268 | 0.00522 | 0.00883 | 0.0000105 | 4.16 | 0.00000271 | 0.0000546 | 0.0000742 | 0.000266 | 0.00836 |
| 2042 Jun | 26.8 | 0.00867 | 0.00655 | 0.000515 | 5.31 | 0.0334 | 3.87 | 0.00000516 | 0.00259 | 0.000269 | 0.00518 | 0.00899 | 0.0000104 | 4.21 | 0.00000268 | 0.0000538 | 0.0000745 | 0.000264 | 0.00783 |
| 2042 Jul | 26.8 | 0.00864 | 0.00625 | 0.000514 | 5.35 | 0.0334 | 3.86 | 0.00000514 | 0.00256 | 0.000269 | 0.00516 | 0.00902 | 0.0000104 | 4.21 | 0.00000265 | 0.0000534 | 0.0000755 | 0.000262 | 0.00776 |
| 2042 Aug | 26.2 | 0.00823 | 0.006 | 0.000513 | 5.25 | 0.0328 | 3.78 | 0.00000513 | 0.00271 | 0.000265 | 0.00515 | 0.00883 | 0.0000103 | 4.14 | 0.00000264 | 0.0000531 | 0.0000754 | 0.000261 | 0.00816 |
| 2042 Sep | 25.9 | 0.00815 | 0.00586 | 0.000512 | 5.19 | 0.0325 | 3.74 | 0.00000512 | 0.00276 | 0.000263 | 0.00514 | 0.00872 | 0.0000103 | 4.1 | 0.00000264 | 0.000053 | 0.0000744 | 0.000261 | 0.00832 |
| 2042 Oct | 25.4 | 0.00803 | 0.00562 | 0.000508 | 5.09 | 0.032 | 3.68 | 0.00000508 | 0.00286 | 0.000259 | 0.0051 | 0.00849 | 0.0000102 | 4.03 | 0.00000271 | 0.0000524 | 0.0000735 | 0.000261 | 0.00843 |
| 2042 Nov | 25.5 | 0.00802 | 0.00562 | 0.000508 | 5.09 | 0.0321 | 3.68 | 0.00000509 | 0.00287 | 0.000259 | 0.0051 | 0.00849 | 0.0000102 | 4.03 | 0.00000272 | 0.0000525 | 0.0000736 | 0.000262 | 0.00844 |
| 2042 Dec | 25.5 | 0.00802 | 0.00562 | 0.000508 | 5.09 | 0.032 | 3.68 | 0.00000509 | 0.00287 | 0.000259 | 0.0051 | 0.00849 | 0.0000102 | 4.03 | 0.00000272 | 0.0000525 | 0.0000736 | 0.000262 | 0.00844 |
| 2043 Jan | 25.5 | 0.00802 | 0.00562 | 0.000508 | 5.09 | 0.032 | 3.68 | 0.00000509 | 0.00287 | 0.000259 | 0.0051 | 0.00849 | 0.0000102 | 4.03 | 0.00000272 | 0.0000525 | 0.0000736 | 0.000262 | 0.00843 |
| 2043 Feb | 25.5 | 0.00802 | 0.00562 | 0.000508 | 5.09 | 0.032 | 3.68 | 0.00000509 | 0.00287 | 0.000259 | 0.0051 | 0.00849 | 0.0000102 | 4.03 | 0.00000272 | 0.0000525 | 0.0000736 | 0.000262 | 0.00843 |
| 2043 Mar | 25.5 | 0.00802 | 0.00562 | 0.000508 | 5.09 | 0.032 | 3.68 | 0.00000509 | 0.00287 | 0.000259 | 0.0051 | 0.00849 | 0.0000102 | 4.03 | 0.00000272 | 0.0000525 | 0.0000736 | 0.000262 | 0.00843 |
| 2043 Apr | 25.5 | 0.00803 | 0.00563 | 0.000509 | 5.1 | 0.0321 | 3.68 | 0.00000509 | 0.00287 | 0.000259 | 0.0051 | 0.0085 | 0.0000102 | 4.03 | 0.00000272 | 0.0000525 | 0.0000737 | 0.000262 | 0.00844 |
| 2043 May | 25.5 | 0.00806 | 0.0056 | 0.00051 | 5.09 | 0.0321 | 3.69 | 0.0000051 | 0.00287 | 0.00026 | 0.00512 | 0.00852 | 0.0000103 | 4.04 | 0.00000273 | 0.0000526 | 0.0000735 | 0.000263 | 0.00842 |
| 2043 Jun | 25.4 | 0.00823 | 0.00502 | 0.000505 | 4.91 | 0.0319 | 3.69 | 0.00000505 | 0.00268 | 0.000254 | 0.00506 | 0.00849 | 0.0000102 | 3.97 | 0.00000266 | 0.0000518 | 0.0000698 | 0.000259 | 0.00762 |
| 2043 Jul | 25.7 | 0.00834 | 0.00505 | 0.00051 | 4.99 | 0.0323 | 3.74 | 0.0000051 | 0.00269 | 0.000257 | 0.00511 | 0.00861 | 0.0000103 | 4.03 | 0.00000269 | 0.0000522 | 0.0000709 | 0.000261 | 0.00766 |
| 2043 Aug | 25.5 | 0.0081 | 0.00495 | 0.000511 | 4.96 | 0.0321 | 3.7 | 0.00000512 | 0.00279 | 0.000256 | 0.00513 | 0.00852 | 0.0000103 | 4 | 0.00000269 | 0.0000523 | 0.0000706 | 0.000261 | 0.00794 |
| 2043 Sep | 25.1 | 0.00789 | 0.00482 | 0.00051 | 4.9 | 0.0317 | 3.64 | 0.0000051 | 0.00287 | 0.000254 | 0.00511 | 0.00837 | 0.0000103 | 3.95 | 0.00000267 | 0.0000521 | 0.0000694 | 0.00026 | 0.00818 |

**Appendix D21. Lake A18**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2043 Oct | 25 | 0.00791 | 0.0048 | 0.00051 | 4.89 | 0.0316 | 3.64 | 0.0000051 | 0.00288 | 0.000253 | 0.00511 | 0.00835 | 0.0000103 | 3.94 | 0.00000267 | 0.0000521 | 0.0000693 | 0.00026 | 0.00821 |
| 2043 Nov | 25.1 | 0.00791 | 0.0048 | 0.000511 | 4.89 | 0.0317 | 3.64 | 0.00000511 | 0.00288 | 0.000253 | 0.00512 | 0.00836 | 0.0000103 | 3.95 | 0.00000268 | 0.0000522 | 0.0000693 | 0.000261 | 0.00822 |
| 2043 Dec | 25.1 | 0.00791 | 0.0048 | 0.000511 | 4.89 | 0.0317 | 3.64 | 0.00000511 | 0.00288 | 0.000253 | 0.00512 | 0.00836 | 0.0000103 | 3.95 | 0.00000268 | 0.0000522 | 0.0000693 | 0.000261 | 0.00822 |
| 2044 Jan | 25.1 | 0.00791 | 0.0048 | 0.000511 | 4.89 | 0.0317 | 3.64 | 0.00000511 | 0.00288 | 0.000253 | 0.00512 | 0.00836 | 0.0000103 | 3.95 | 0.00000268 | 0.0000522 | 0.0000693 | 0.000261 | 0.00822 |
| 2044 Feb | 25.1 | 0.00791 | 0.0048 | 0.000511 | 4.89 | 0.0317 | 3.64 | 0.00000511 | 0.00288 | 0.000253 | 0.00512 | 0.00836 | 0.0000103 | 3.95 | 0.00000268 | 0.0000522 | 0.0000693 | 0.000261 | 0.00822 |
| 2044 Mar | 25.1 | 0.00791 | 0.0048 | 0.000511 | 4.89 | 0.0317 | 3.64 | 0.00000511 | 0.00288 | 0.000253 | 0.00512 | 0.00836 | 0.0000103 | 3.95 | 0.00000268 | 0.0000522 | 0.0000694 | 0.000261 | 0.00822 |
| 2044 Apr | 25.1 | 0.00792 | 0.0048 | 0.000511 | 4.89 | 0.0317 | 3.64 | 0.00000511 | 0.00288 | 0.000254 | 0.00512 | 0.00836 | 0.0000103 | 3.95 | 0.00000268 | 0.0000522 | 0.0000694 | 0.000261 | 0.00822 |
| 2044 May | 25.1 | 0.00794 | 0.00481 | 0.000512 | 4.9 | 0.0317 | 3.65 | 0.00000512 | 0.00289 | 0.000254 | 0.00513 | 0.00838 | 0.0000103 | 3.96 | 0.00000268 | 0.0000523 | 0.0000695 | 0.000261 | 0.00823 |
| 2044 Jun | 25.5 | 0.00826 | 0.00465 | 0.000507 | 5 | 0.0321 | 3.71 | 0.00000507 | 0.00265 | 0.000255 | 0.00508 | 0.00856 | 0.0000102 | 4.01 | 0.00000263 | 0.0000516 | 0.0000695 | 0.000258 | 0.00757 |
| 2044 Jul | 25.9 | 0.0084 | 0.00468 | 0.00051 | 5.09 | 0.0326 | 3.75 | 0.0000051 | 0.00262 | 0.000258 | 0.00511 | 0.0087 | 0.0000102 | 4.06 | 0.00000265 | 0.0000519 | 0.0000708 | 0.000259 | 0.00754 |
| 2044 Aug | 26 | 0.00836 | 0.00468 | 0.000515 | 5.11 | 0.0327 | 3.76 | 0.00000515 | 0.00269 | 0.00026 | 0.00516 | 0.00873 | 0.0000103 | 4.08 | 0.00000267 | 0.0000523 | 0.0000714 | 0.000261 | 0.00772 |
| 2044 Sep | 25.6 | 0.0082 | 0.00456 | 0.000513 | 5.04 | 0.0323 | 3.71 | 0.00000513 | 0.00276 | 0.000257 | 0.00514 | 0.00857 | 0.0000103 | 4.03 | 0.00000265 | 0.0000521 | 0.0000702 | 0.00026 | 0.00794 |
| 2044 Oct | 25.4 | 0.00811 | 0.00449 | 0.000511 | 5 | 0.0321 | 3.68 | 0.00000511 | 0.00283 | 0.000256 | 0.00512 | 0.00846 | 0.0000103 | 4 | 0.00000272 | 0.0000519 | 0.0000702 | 0.000262 | 0.00802 |
| 2044 Nov | 25.4 | 0.00805 | 0.00449 | 0.000511 | 5.01 | 0.0321 | 3.68 | 0.00000511 | 0.00286 | 0.000256 | 0.00512 | 0.00845 | 0.0000103 | 4 | 0.00000276 | 0.0000519 | 0.0000706 | 0.000263 | 0.00803 |
| 2044 Dec | 25.4 | 0.00805 | 0.00449 | 0.000511 | 5.01 | 0.0321 | 3.68 | 0.00000511 | 0.00286 | 0.000256 | 0.00512 | 0.00845 | 0.0000103 | 4 | 0.00000276 | 0.0000519 | 0.0000706 | 0.000263 | 0.00803 |
| 2045 Jan | 25.4 | 0.00805 | 0.00449 | 0.000511 | 5.01 | 0.0321 | 3.68 | 0.00000511 | 0.00286 | 0.000256 | 0.00512 | 0.00845 | 0.0000103 | 4 | 0.00000276 | 0.0000519 | 0.0000705 | 0.000263 | 0.00803 |
| 2045 Feb | 25.4 | 0.00805 | 0.00449 | 0.000511 | 5.01 | 0.0321 | 3.68 | 0.00000511 | 0.00286 | 0.000256 | 0.00512 | 0.00845 | 0.0000103 | 4 | 0.00000276 | 0.0000519 | 0.0000705 | 0.000263 | 0.00802 |
| 2045 Mar | 25.4 | 0.00805 | 0.00449 | 0.000511 | 5.01 | 0.0321 | 3.68 | 0.00000511 | 0.00286 | 0.000256 | 0.00512 | 0.00845 | 0.0000103 | 4 | 0.00000276 | 0.0000519 | 0.0000706 | 0.000263 | 0.00803 |
| 2045 Apr | 25.4 | 0.00805 | 0.00449 | 0.000511 | 5.01 | 0.0321 | 3.68 | 0.00000511 | 0.00287 | 0.000256 | 0.00512 | 0.00845 | 0.0000103 | 4 | 0.00000276 | 0.0000519 | 0.0000706 | 0.000263 | 0.00803 |
| 2045 May | 25.4 | 0.00807 | 0.0045 | 0.000512 | 5.02 | 0.0322 | 3.69 | 0.00000513 | 0.00287 | 0.000256 | 0.00513 | 0.00847 | 0.0000103 | 4.01 | 0.00000277 | 0.000052 | 0.0000707 | 0.000264 | 0.00804 |
| 2045 Jun | 26 | 0.00837 | 0.00453 | 0.000511 | 5.18 | 0.0327 | 3.75 | 0.00000511 | 0.00269 | 0.00026 | 0.00511 | 0.00869 | 0.0000102 | 4.09 | 0.00000273 | 0.0000517 | 0.0000719 | 0.000262 | 0.00765 |
| 2045 Jul | 26.4 | 0.00856 | 0.00458 | 0.000515 | 5.29 | 0.0333 | 3.81 | 0.00000515 | 0.00265 | 0.000264 | 0.00516 | 0.00886 | 0.0000103 | 4.16 | 0.00000274 | 0.0000521 | 0.0000732 | 0.000264 | 0.00758 |
| 2045 Aug | 26.6 | 0.00858 | 0.00461 | 0.00052 | 5.33 | 0.0335 | 3.84 | 0.0000052 | 0.0027 | 0.000266 | 0.0052 | 0.00892 | 0.0000104 | 4.19 | 0.00000277 | 0.0000526 | 0.0000738 | 0.000266 | 0.00771 |
| 2045 Sep | 26.5 | 0.00856 | 0.00458 | 0.000521 | 5.31 | 0.0334 | 3.83 | 0.00000521 | 0.00273 | 0.000266 | 0.00521 | 0.00889 | 0.0000104 | 4.18 | 0.00000277 | 0.0000527 | 0.0000736 | 0.000266 | 0.00781 |
| 2045 Oct | 26.5 | 0.00858 | 0.00457 | 0.000521 | 5.31 | 0.0334 | 3.83 | 0.00000521 | 0.00274 | 0.000266 | 0.00522 | 0.00888 | 0.0000105 | 4.18 | 0.00000277 | 0.0000527 | 0.0000736 | 0.000267 | 0.00784 |
| 2045 Nov | 26.6 | 0.00858 | 0.00458 | 0.000521 | 5.31 | 0.0334 | 3.83 | 0.00000521 | 0.00274 | 0.000266 | 0.00522 | 0.00888 | 0.0000105 | 4.18 | 0.00000277 | 0.0000527 | 0.0000736 | 0.000267 | 0.00784 |
| 2045 Dec | 26.6 | 0.00858 | 0.00458 | 0.000521 | 5.31 | 0.0334 | 3.83 | 0.00000521 | 0.00274 | 0.000266 | 0.00522 | 0.00889 | 0.0000105 | 4.18 | 0.00000277 | 0.0000527 | 0.0000736 | 0.000267 | 0.00784 |
| 2046 Jan | 26.6 | 0.00858 | 0.00458 | 0.000521 | 5.31 | 0.0334 | 3.83 | 0.00000521 | 0.00274 | 0.000266 | 0.00522 | 0.00888 | 0.0000105 | 4.18 | 0.00000277 | 0.0000527 | 0.0000736 | 0.000267 | 0.00784 |
| 2046 Feb | 26.6 | 0.00858 | 0.00458 | 0.000521 | 5.31 | 0.0334 | 3.83 | 0.00000521 | 0.00274 | 0.000266 | 0.00522 | 0.00888 | 0.0000105 | 4.18 | 0.00000277 | 0.0000527 | 0.0000736 | 0.000267 | 0.00784 |
| 2046 Mar | 26.6 | 0.00858 | 0.00458 | 0.000521 | 5.31 | 0.0334 | 3.83 | 0.00000522 | 0.00274 | 0.000266 | 0.00522 | 0.00889 | 0.0000105 | 4.18 | 0.00000277 | 0.0000527 | 0.0000736 | 0.000267 | 0.00784 |
| 2046 Apr | 26.6 | 0.00859 | 0.00458 | 0.000522 | 5.32 | 0.0335 | 3.83 | 0.00000522 | 0.00274 | 0.000266 | 0.00522 | 0.00889 | 0.0000105 | 4.19 | 0.00000278 | 0.0000528 | 0.0000736 | 0.000267 | 0.00785 |
| 2046 May | 26.6 | 0.00861 | 0.00459 | 0.000523 | 5.33 | 0.0335 | 3.84 | 0.00000523 | 0.00275 | 0.000267 | 0.00524 | 0.00891 | 0.0000105 | 4.2 | 0.00000278 | 0.0000529 | 0.0000738 | 0.000268 | 0.00786 |
| 2046 Jun | 27 | 0.00888 | 0.00459 | 0.000516 | 5.46 | 0.0339 | 3.88 | 0.00000516 | 0.00251 | 0.000268 | 0.00516 | 0.00908 | 0.0000103 | 4.25 | 0.00000271 | 0.0000521 | 0.0000744 | 0.000263 | 0.0073 |
| 2046 Jul | 27.2 | 0.00897 | 0.00458 | 0.000514 | 5.54 | 0.0341 | 3.9 | 0.00000514 | 0.00242 | 0.00027 | 0.00514 | 0.00918 | 0.0000103 | 4.28 | 0.00000269 | 0.0000518 | 0.0000754 | 0.000261 | 0.00712 |
| 2046 Aug | 27.2 | 0.00888 | 0.00456 | 0.000517 | 5.53 | 0.0341 | 3.89 | 0.00000517 | 0.00249 | 0.00027 | 0.00517 | 0.00917 | 0.0000104 | 4.28 | 0.0000027 | 0.0000521 | 0.0000758 | 0.000263 | 0.00732 |
| 2046 Sep | 26.7 | 0.00871 | 0.00443 | 0.000515 | 5.42 | 0.0335 | 3.83 | 0.00000515 | 0.00257 | 0.000266 | 0.00515 | 0.00897 | 0.0000103 | 4.21 | 0.00000268 | 0.0000518 | 0.0000742 | 0.000261 | 0.00757 |
| 2046 Oct | 26.4 | 0.00871 | 0.00436 | 0.000513 | 5.36 | 0.0332 | 3.79 | 0.00000513 | 0.00261 | 0.000264 | 0.00513 | 0.00885 | 0.0000103 | 4.17 | 0.00000268 | 0.0000517 | 0.0000733 | 0.000261 | 0.00769 |
| 2046 Nov | 26.4 | 0.00871 | 0.00436 | 0.000513 | 5.36 | 0.0332 | 3.79 | 0.00000513 | 0.00261 | 0.000264 | 0.00514 | 0.00885 | 0.0000103 | 4.17 | 0.00000268 | 0.0000517 | 0.0000734 | 0.000261 | 0.0077 |
| 2046 Dec | 26.4 | 0.00871 | 0.00436 | 0.000513 | 5.36 | 0.0332 | 3.79 | 0.00000513 | 0.00261 | 0.000264 | 0.00514 | 0.00885 | 0.0000103 | 4.17 | 0.00000268 | 0.0000517 | 0.0000734 | 0.000261 | 0.0077 |
| 2047 Jan | 26.4 | 0.00871 | 0.00436 | 0.000513 | 5.36 | 0.0332 | 3.79 | 0.00000513 | 0.00261 | 0.000264 | 0.00514 | 0.00885 | 0.0000103 | 4.17 | 0.00000268 | 0.0000517 | 0.0000734 | 0.000261 | 0.0077 |
| 2047 Feb | 26.4 | 0.00871 | 0.00436 | 0.000513 | 5.36 | 0.0332 | 3.79 | 0.00000513 | 0.00261 | 0.000264 | 0.00514 | 0.00885 | 0.0000103 | 4.17 | 0.00000268 | 0.0000517 | 0.0000734 | 0.000261 | 0.0077 |
| 2047 Mar | 26.4 | 0.00871 | 0.00436 | 0.000513 | 5.36 | 0.0332 | 3.79 | 0.00000513 | 0.00261 | 0.000264 | 0.00514 | 0.00885 | 0.0000103 | 4.17 | 0.00000268 | 0.0000517 | 0.0000734 | 0.000261 | 0.0077 |
| 2047 Apr | 26.4 | 0.00871 | 0.00436 | 0.000514 | 5.36 | 0.0332 | 3.79 | 0.00000514 | 0.00261 | 0.000264 | 0.00514 | 0.00885 | 0.0000103 | 4.17 | 0.00000268 | 0.0000517 | 0.0000734 | 0.000261 | 0.0077 |
| 2047 May | 26.3 | 0.00871 | 0.0043 | 0.000513 | 5.31 | 0.0331 | 3.79 | 0.00000513 | 0.0026 | 0.000263 | 0.00514 | 0.00883 | 0.0000103 | 4.15 | 0.00000268 | 0.0000517 | 0.0000726 | 0.000261 | 0.00761 |
| 2047 Jun | 25.9 | 0.00871 | 0.00402 | 0.000508 | 5.06 | 0.0326 | 3.77 | 0.00000508 | 0.00249 | 0.000256 | 0.00509 | 0.00871 | 0.0000102 | 4.06 | 0.00000263 | 0.0000511 | 0.000069 | 0.000257 | 0.00704 |
| 2047 Jul | 26.2 | 0.00879 | 0.00406 | 0.000514 | 5.13 | 0.033 | 3.81 | 0.00000514 | 0.00253 | 0.000259 | 0.00514 | 0.00882 | 0.0000103 | 4.11 | 0.00000266 | 0.0000517 | 0.0000703 | 0.00026 | 0.00716 |
| 2047 Aug | 26.3 | 0.00873 | 0.00406 | 0.000518 | 5.15 | 0.0331 | 3.81 | 0.00000518 | 0.00259 | 0.00026 | 0.00518 | 0.00884 | 0.0000104 | 4.12 | 0.00000268 | 0.0000521 | 0.0000709 | 0.000262 | 0.00734 |
| 2047 Sep | 26 | 0.00866 | 0.004 | 0.000517 | 5.09 | 0.0328 | 3.77 | 0.00000517 | 0.00264 | 0.000258 | 0.00517 | 0.00872 | 0.0000103 | 4.08 | 0.00000267 | 0.0000519 | 0.0000701 | 0.000261 | 0.00752 |
| 2047 Oct | 25.9 | 0.00864 | 0.00398 | 0.000516 | 5.07 | 0.0327 | 3.76 | 0.00000516 | 0.00267 | 0.000257 | 0.00517 | 0.00867 | 0.0000103 | 4.07 | 0.00000268 | 0.0000519 | 0.0000699 | 0.000262 | 0.00758 |
| 2047 Nov | 25.9 | 0.00863 | 0.00398 | 0.000517 | 5.07 | 0.0327 | 3.76 | 0.00000517 | 0.00268 | 0.000258 | 0.00517 | 0.00867 | 0.0000103 | 4.07 | 0.00000269 | 0.0000519 | 0.00007 | 0.000262 | 0.00759 |
| 2047 Dec | 25.9 | 0.00863 | 0.00398 | 0.000517 | 5.07 | 0.0327 | 3.76 | 0.00000517 | 0.00268 | 0.000258 | 0.00517 | 0.00867 | 0.0000103 | 4.07 | 0.00000269 | 0.0000519 | 0.00007 | 0.000262 | 0.00759 |
| 2048 Jan | 25.9 | 0.00863 | 0.00398 | 0.000517 | 5.07 | 0.0327 | 3.76 | 0.00000517 | 0.00268 | 0.000258 | 0.00517 | 0.00867 | 0.0000103 | 4.07 | 0.00000269 | 0.0000519 | 0.00007 | 0.000262 | 0.00759 |
| 2048 Feb | 25.9 | 0.00863 | 0.00398 | 0.000517 | 5.07 | 0.0327 | 3.76 | 0.00000517 | 0.00268 | 0.000258 | 0.00517 | 0.00867 | 0.0000103 | 4.07 | 0.00000269 | 0.0000519 | 0.00007 | 0.000262 | 0.00759 |
| 2048 Mar | 25.9 | 0.00863 | 0.00398 | 0.000517 | 5.07 | 0.0327 | 3.76 | 0.00000517 | 0.00268 | 0.000258 | 0.00517 | 0.00867 | 0.0000103 | 4.07 | 0.00000269 | 0.0000519 | 0.00007 | 0.000262 | 0.00759 |
| 2048 Apr | 25.9 | 0.00864 | 0.00398 | 0.000517 | 5.08 | 0.0327 | 3.76 | 0.00000517 | 0.00268 | 0.000258 | 0.00517 | 0.00867 | 0.0000103 | 4.07 | 0.00000269 | 0.0000519 | 0.0000701 | 0.000262 | 0.00759 |
| 2048 May | 26 | 0.00866 | 0.00399 | 0.000518 | 5.09 | 0.0328 | 3.77 | 0.00000518 | 0.00269 | 0.000258 | 0.00518 | 0.0087 | 0.0000104 | 4.08 | 0.0000027 | 0.0000521 | 0.0000702 | 0.000263 | 0.00761 |
| 2048 Jun | 26.5 | 0.00895 | 0.00412 | 0.00051 | 5.29 | 0.0333 | 3.83 | 0.0000051 | 0.00241 | 0.000262 | 0.0051 | 0.00892 | 0.0000102 | 4.16 | 0.00000263 | 0.0000512 | 0.0000716 | 0.000258 | 0.00699 |
| 2048 Jul | 26.8 | 0.00903 | 0.00417 | 0.000507 | 5.39 | 0.0335 | 3.85 | 0.00000507 | 0.00232 | 0.000263 | 0.00507 | 0.00904 | 0.0000101 | 4.2 | 0.00000261 | 0.0000509 | 0.000073 | 0.000256 | 0.00681 |
| 2048 Aug | 26.8 | 0.00898 | 0.00417 | 0.000511 | 5.4 | 0.0336 | 3.86 | 0.00000511 | 0.00238 | 0.000265 | 0.00511 | 0.00907 | 0.0000102 | 4.22 | 0.00000263 | 0.0000513 | 0.0000738 | 0.000258 | 0.007 |
| 2048 Sep | 26.8 | 0.00899 | 0.00417 | 0.000513 | 5.4 | 0.0337 | 3.86 | 0.00000513 | 0.00241 | 0.000265 | 0.00513 | 0.00906 | 0.0000103 | 4.22 | 0.00000263 | 0.0000514 | 0.0000738 | 0.000259 | 0.00708 |
| 2048 Oct | 26.6 | 0.00874 | 0.00414 | 0.000511 | 5.37 | 0.0335 | 3.83 | 0.00000511 | 0.00254 | 0.000264 | 0.00511 | 0.00895 | 0.0000102 | 4.19 | 0.00000277 | 0.0000512 | 0.0000744 | 0.000263 | 0.00715 |
| 2048 Nov | 26.6 | 0.00862 | 0.00414 | 0.00051 | 5.37 | 0.0335 | 3.83 | 0.0000051 | 0.00261 | 0.000264 | 0.0051 | 0.00891 | 0.0000102 | 4.18 | 0.00000284 | 0.0000512 | 0.000075 | 0.000265 | 0.00717 |
| 2048 Dec | 26.6 | 0.00862 | 0.00414 | 0.00051 | 5.37 | 0.0335 | 3.83 | 0.0000051 | 0.00261 | 0.000264 | 0.0051 | 0.00891 | 0.0000102 | 4.18 | 0.00000284 | 0.0000512 | 0.000075 | 0.000265 | 0.00717 |
| 2049 Jan | 26.6 | 0.00862 | 0.00414 | 0.00051 | 5.37 | 0.0335 | 3.83 | 0.0000051 | 0.00261 | 0.000264 | 0.0051 | 0.00891 | 0.0000102 | 4.18 | 0.00000284 | 0.0000512 | 0.000075 | 0.000265 | 0.00717 |
| 2049 Feb | 26.6 | 0.00862 | 0.00414 | 0.00051 | 5.37 | 0.0335 | 3.83 | 0.0000051 | 0.00261 | 0.000264 | 0.0051 | 0.00891 | 0.0000102 | 4.18 | 0.00000284 | 0.0000512 | 0.000075 | 0.000265 | 0.00717 |

**Appendix D21. Lake A18**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Mar | 26.6 | 0.00862 | 0.00414 | 0.00051 | 5.37 | 0.0335 | 3.83 | 0.0000051 | 0.00261 | 0.000264 | 0.0051 | 0.00891 | 0.0000102 | 4.18 | 0.00000284 | 0.0000512 | 0.000075 | 0.000265 | 0.00717 |
| 2049 Apr | 26.6 | 0.00863 | 0.00414 | 0.00051 | 5.37 | 0.0335 | 3.83 | 0.00000511 | 0.00261 | 0.000264 | 0.00511 | 0.00892 | 0.0000102 | 4.19 | 0.00000285 | 0.0000512 | 0.000075 | 0.000265 | 0.00717 |
| 2049 May | 26.7 | 0.00865 | 0.00415 | 0.000512 | 5.39 | 0.0336 | 3.84 | 0.00000512 | 0.00262 | 0.000265 | 0.00512 | 0.00894 | 0.0000102 | 4.2 | 0.00000285 | 0.0000513 | 0.0000752 | 0.000266 | 0.00719 |
| 2049 Jun | 27.1 | 0.00895 | 0.00424 | 0.000506 | 5.53 | 0.034 | 3.88 | 0.00000506 | 0.00236 | 0.000267 | 0.00506 | 0.00913 | 0.0000101 | 4.26 | 0.00000276 | 0.0000507 | 0.0000756 | 0.00026 | 0.00667 |
| 2049 Jul | 27.1 | 0.00894 | 0.00424 | 0.000503 | 5.54 | 0.0339 | 3.87 | 0.00000503 | 0.00231 | 0.000267 | 0.00503 | 0.00915 | 0.0000101 | 4.26 | 0.00000271 | 0.0000504 | 0.0000761 | 0.000258 | 0.00662 |
| 2049 Aug | 27 | 0.00883 | 0.00423 | 0.000506 | 5.54 | 0.0339 | 3.86 | 0.00000506 | 0.00239 | 0.000267 | 0.00506 | 0.00914 | 0.0000101 | 4.26 | 0.00000272 | 0.0000507 | 0.0000765 | 0.00026 | 0.00685 |
| 2049 Sep | 26.6 | 0.00869 | 0.00414 | 0.000505 | 5.44 | 0.0334 | 3.81 | 0.00000505 | 0.00247 | 0.000264 | 0.00505 | 0.00896 | 0.0000101 | 4.2 | 0.00000271 | 0.0000506 | 0.0000751 | 0.000259 | 0.00711 |
| 2049 Oct | 26.5 | 0.00861 | 0.00411 | 0.000505 | 5.42 | 0.0333 | 3.79 | 0.00000505 | 0.00253 | 0.000263 | 0.00505 | 0.00889 | 0.0000101 | 4.18 | 0.00000276 | 0.0000506 | 0.0000751 | 0.00026 | 0.00718 |
| 2049 Nov | 26.5 | 0.00859 | 0.00411 | 0.000505 | 5.42 | 0.0333 | 3.79 | 0.00000505 | 0.00255 | 0.000263 | 0.00505 | 0.00889 | 0.0000101 | 4.18 | 0.00000278 | 0.0000506 | 0.0000752 | 0.000261 | 0.00719 |
| 2049 Dec | 26.5 | 0.00859 | 0.00411 | 0.000505 | 5.42 | 0.0333 | 3.79 | 0.00000505 | 0.00255 | 0.000263 | 0.00505 | 0.00889 | 0.0000101 | 4.18 | 0.00000278 | 0.0000506 | 0.0000752 | 0.000261 | 0.00719 |
| 2050 Jan | 26.5 | 0.00859 | 0.00411 | 0.000505 | 5.42 | 0.0333 | 3.79 | 0.00000505 | 0.00255 | 0.000263 | 0.00505 | 0.00889 | 0.0000101 | 4.18 | 0.00000278 | 0.0000506 | 0.0000752 | 0.000261 | 0.00719 |
| 2050 Feb | 26.5 | 0.00859 | 0.00411 | 0.000505 | 5.42 | 0.0333 | 3.79 | 0.00000505 | 0.00255 | 0.000263 | 0.00505 | 0.00889 | 0.0000101 | 4.18 | 0.00000278 | 0.0000506 | 0.0000752 | 0.000261 | 0.00719 |
| 2050 Mar | 26.5 | 0.00859 | 0.00411 | 0.000505 | 5.42 | 0.0333 | 3.79 | 0.00000505 | 0.00255 | 0.000263 | 0.00505 | 0.00889 | 0.0000101 | 4.18 | 0.00000278 | 0.0000506 | 0.0000752 | 0.000261 | 0.00719 |
| 2050 Apr | 26.5 | 0.0086 | 0.00411 | 0.000505 | 5.42 | 0.0333 | 3.79 | 0.00000505 | 0.00255 | 0.000263 | 0.00505 | 0.00889 | 0.0000101 | 4.18 | 0.00000278 | 0.0000506 | 0.0000752 | 0.000261 | 0.00719 |
| 2050 May | 26.6 | 0.00861 | 0.00412 | 0.000506 | 5.43 | 0.0334 | 3.8 | 0.00000506 | 0.00255 | 0.000264 | 0.00506 | 0.00891 | 0.0000101 | 4.19 | 0.00000278 | 0.0000507 | 0.0000754 | 0.000261 | 0.00721 |
| 2050 Jun | 26.9 | 0.00883 | 0.00419 | 0.000504 | 5.52 | 0.0337 | 3.84 | 0.00000504 | 0.0024 | 0.000266 | 0.00504 | 0.00905 | 0.0000101 | 4.23 | 0.00000273 | 0.0000505 | 0.0000756 | 0.000259 | 0.00686 |
| 2050 Jul | 27 | 0.00889 | 0.00422 | 0.000504 | 5.57 | 0.0339 | 3.86 | 0.00000504 | 0.00235 | 0.000267 | 0.00504 | 0.00913 | 0.0000101 | 4.26 | 0.0000027 | 0.0000504 | 0.0000765 | 0.000258 | 0.00681 |
| 2050 Aug | 27.1 | 0.00884 | 0.00422 | 0.000507 | 5.57 | 0.034 | 3.86 | 0.00000507 | 0.00241 | 0.000268 | 0.00507 | 0.00915 | 0.0000101 | 4.27 | 0.00000272 | 0.0000508 | 0.0000771 | 0.00026 | 0.00699 |
| 2050 Sep | 26.8 | 0.00873 | 0.00417 | 0.000508 | 5.52 | 0.0337 | 3.83 | 0.00000508 | 0.00247 | 0.000267 | 0.00508 | 0.00905 | 0.0000102 | 4.24 | 0.00000272 | 0.0000508 | 0.0000763 | 0.00026 | 0.00717 |
| 2050 Oct | 26.9 | 0.00875 | 0.00416 | 0.000508 | 5.52 | 0.0337 | 3.83 | 0.00000508 | 0.00248 | 0.000267 | 0.00508 | 0.00905 | 0.0000102 | 4.24 | 0.00000272 | 0.0000509 | 0.0000763 | 0.00026 | 0.00721 |
| 2050 Nov | 26.9 | 0.00875 | 0.00417 | 0.000509 | 5.53 | 0.0337 | 3.84 | 0.00000509 | 0.00249 | 0.000267 | 0.00509 | 0.00905 | 0.0000102 | 4.24 | 0.00000272 | 0.0000509 | 0.0000763 | 0.00026 | 0.00721 |
| 2050 Dec | 26.9 | 0.00875 | 0.00417 | 0.000509 | 5.53 | 0.0337 | 3.84 | 0.00000509 | 0.00249 | 0.000267 | 0.00509 | 0.00905 | 0.0000102 | 4.24 | 0.00000272 | 0.0000509 | 0.0000763 | 0.00026 | 0.00721 |
| 2051 Jan | 26.9 | 0.00875 | 0.00417 | 0.000509 | 5.53 | 0.0337 | 3.84 | 0.00000509 | 0.00249 | 0.000267 | 0.00509 | 0.00905 | 0.0000102 | 4.24 | 0.00000272 | 0.0000509 | 0.0000763 | 0.00026 | 0.00721 |
| 2051 Feb | 26.9 | 0.00875 | 0.00417 | 0.000509 | 5.52 | 0.0337 | 3.84 | 0.00000509 | 0.00249 | 0.000267 | 0.00509 | 0.00905 | 0.0000102 | 4.24 | 0.00000272 | 0.0000509 | 0.0000763 | 0.00026 | 0.00721 |
| 2051 Mar | 26.9 | 0.00875 | 0.00417 | 0.000509 | 5.53 | 0.0337 | 3.84 | 0.00000509 | 0.00249 | 0.000267 | 0.00509 | 0.00905 | 0.0000102 | 4.24 | 0.00000272 | 0.0000509 | 0.0000763 | 0.00026 | 0.00721 |
| 2051 Apr | 26.9 | 0.00876 | 0.00417 | 0.000509 | 5.53 | 0.0338 | 3.84 | 0.00000509 | 0.00249 | 0.000267 | 0.00509 | 0.00906 | 0.0000102 | 4.24 | 0.00000272 | 0.000051 | 0.0000763 | 0.00026 | 0.00721 |
| 2051 May | 26.9 | 0.00877 | 0.00416 | 0.00051 | 5.53 | 0.0338 | 3.84 | 0.0000051 | 0.00249 | 0.000267 | 0.0051 | 0.00907 | 0.0000102 | 4.25 | 0.00000273 | 0.0000511 | 0.0000763 | 0.000261 | 0.00721 |
| 2051 Jun | 26.8 | 0.00893 | 0.00408 | 0.000503 | 5.43 | 0.0336 | 3.84 | 0.00000503 | 0.00229 | 0.000263 | 0.00503 | 0.00906 | 0.0000101 | 4.21 | 0.00000265 | 0.0000503 | 0.0000739 | 0.000256 | 0.00661 |
| 2051 Jul | 27.1 | 0.00901 | 0.00413 | 0.000505 | 5.5 | 0.0339 | 3.87 | 0.00000505 | 0.00227 | 0.000266 | 0.00505 | 0.00916 | 0.0000101 | 4.25 | 0.00000265 | 0.0000505 | 0.0000749 | 0.000256 | 0.00659 |
| 2051 Aug | 26.8 | 0.00879 | 0.00408 | 0.000507 | 5.46 | 0.0337 | 3.84 | 0.00000507 | 0.00238 | 0.000265 | 0.00507 | 0.00908 | 0.0000101 | 4.22 | 0.00000265 | 0.0000507 | 0.0000747 | 0.000257 | 0.00689 |
| 2051 Sep | 26.6 | 0.00871 | 0.00404 | 0.000507 | 5.42 | 0.0335 | 3.81 | 0.00000507 | 0.00244 | 0.000264 | 0.00507 | 0.00899 | 0.0000101 | 4.19 | 0.00000265 | 0.0000508 | 0.0000741 | 0.000257 | 0.00707 |
| 2051 Oct | 26.4 | 0.00858 | 0.00401 | 0.000506 | 5.37 | 0.0333 | 3.79 | 0.00000506 | 0.00253 | 0.000262 | 0.00506 | 0.00888 | 0.0000101 | 4.16 | 0.00000273 | 0.0000507 | 0.0000741 | 0.00026 | 0.00718 |
| 2051 Nov | 26.4 | 0.00851 | 0.004 | 0.000506 | 5.37 | 0.0333 | 3.78 | 0.00000506 | 0.00257 | 0.000262 | 0.00506 | 0.00886 | 0.0000101 | 4.16 | 0.00000278 | 0.0000506 | 0.0000744 | 0.000261 | 0.0072 |
| 2051 Dec | 26.4 | 0.00851 | 0.004 | 0.000506 | 5.37 | 0.0333 | 3.78 | 0.00000506 | 0.00257 | 0.000262 | 0.00506 | 0.00886 | 0.0000101 | 4.16 | 0.00000278 | 0.0000506 | 0.0000744 | 0.000261 | 0.00719 |
| 2052 Jan | 26.4 | 0.00851 | 0.004 | 0.000506 | 5.37 | 0.0333 | 3.78 | 0.00000506 | 0.00257 | 0.000262 | 0.00506 | 0.00886 | 0.0000101 | 4.16 | 0.00000278 | 0.0000506 | 0.0000744 | 0.000261 | 0.00719 |
| 2052 Feb | 26.4 | 0.00851 | 0.004 | 0.000506 | 5.37 | 0.0333 | 3.78 | 0.00000506 | 0.00257 | 0.000262 | 0.00506 | 0.00886 | 0.0000101 | 4.16 | 0.00000278 | 0.0000506 | 0.0000744 | 0.000261 | 0.00719 |
| 2052 Mar | 26.4 | 0.00851 | 0.004 | 0.000506 | 5.37 | 0.0333 | 3.78 | 0.00000506 | 0.00257 | 0.000262 | 0.00506 | 0.00886 | 0.0000101 | 4.16 | 0.00000278 | 0.0000506 | 0.0000744 | 0.000261 | 0.0072 |
| 2052 Apr | 26.4 | 0.00851 | 0.00401 | 0.000506 | 5.37 | 0.0333 | 3.79 | 0.00000506 | 0.00257 | 0.000262 | 0.00506 | 0.00886 | 0.0000101 | 4.16 | 0.00000278 | 0.0000507 | 0.0000745 | 0.000261 | 0.0072 |
| 2052 May | 26.4 | 0.00853 | 0.004 | 0.000507 | 5.37 | 0.0333 | 3.79 | 0.00000507 | 0.00258 | 0.000263 | 0.00507 | 0.00887 | 0.0000101 | 4.16 | 0.00000278 | 0.0000508 | 0.0000744 | 0.000262 | 0.00719 |
| 2052 Jun | 26.7 | 0.00874 | 0.00401 | 0.000505 | 5.39 | 0.0335 | 3.83 | 0.00000505 | 0.00242 | 0.000263 | 0.00505 | 0.00897 | 0.0000101 | 4.18 | 0.00000273 | 0.0000505 | 0.0000737 | 0.000259 | 0.0068 |
| 2052 Jul | 27 | 0.00886 | 0.00407 | 0.000509 | 5.46 | 0.0339 | 3.87 | 0.00000509 | 0.00242 | 0.000266 | 0.00509 | 0.00909 | 0.0000102 | 4.24 | 0.00000274 | 0.000051 | 0.0000748 | 0.000261 | 0.00682 |
| 2052 Aug | 27 | 0.00877 | 0.00406 | 0.000512 | 5.46 | 0.0339 | 3.86 | 0.00000512 | 0.00248 | 0.000266 | 0.00512 | 0.00908 | 0.0000102 | 4.24 | 0.00000275 | 0.0000512 | 0.0000749 | 0.000262 | 0.007 |
| 2052 Sep | 26.8 | 0.00869 | 0.00403 | 0.000513 | 5.43 | 0.0337 | 3.84 | 0.00000513 | 0.00253 | 0.000265 | 0.00513 | 0.00901 | 0.0000103 | 4.22 | 0.00000275 | 0.0000513 | 0.0000744 | 0.000262 | 0.00716 |
| 2052 Oct | 26.8 | 0.00868 | 0.00402 | 0.000513 | 5.42 | 0.0337 | 3.84 | 0.00000513 | 0.00255 | 0.000265 | 0.00513 | 0.00899 | 0.0000103 | 4.21 | 0.00000276 | 0.0000513 | 0.0000744 | 0.000263 | 0.0072 |
| 2052 Nov | 26.8 | 0.00868 | 0.00402 | 0.000513 | 5.42 | 0.0337 | 3.84 | 0.00000513 | 0.00255 | 0.000265 | 0.00513 | 0.00899 | 0.0000103 | 4.21 | 0.00000276 | 0.0000513 | 0.0000744 | 0.000263 | 0.0072 |
| 2052 Dec | 26.8 | 0.00868 | 0.00402 | 0.000513 | 5.42 | 0.0337 | 3.84 | 0.00000513 | 0.00255 | 0.000265 | 0.00513 | 0.00899 | 0.0000103 | 4.21 | 0.00000276 | 0.0000513 | 0.0000744 | 0.000263 | 0.0072 |
| 2053 Jan | 26.8 | 0.00868 | 0.00402 | 0.000513 | 5.42 | 0.0337 | 3.84 | 0.00000513 | 0.00255 | 0.000265 | 0.00513 | 0.00899 | 0.0000103 | 4.21 | 0.00000276 | 0.0000513 | 0.0000744 | 0.000263 | 0.0072 |
| 2053 Feb | 26.8 | 0.00868 | 0.00402 | 0.000513 | 5.42 | 0.0337 | 3.84 | 0.00000513 | 0.00255 | 0.000265 | 0.00513 | 0.00899 | 0.0000103 | 4.21 | 0.00000276 | 0.0000513 | 0.0000744 | 0.000263 | 0.0072 |
| 2053 Mar | 26.8 | 0.00868 | 0.00402 | 0.000513 | 5.42 | 0.0337 | 3.84 | 0.00000513 | 0.00256 | 0.000265 | 0.00513 | 0.00899 | 0.0000103 | 4.21 | 0.00000276 | 0.0000513 | 0.0000744 | 0.000263 | 0.0072 |
| 2053 Apr | 26.8 | 0.00869 | 0.00403 | 0.000513 | 5.42 | 0.0337 | 3.84 | 0.00000513 | 0.00256 | 0.000265 | 0.00513 | 0.009 | 0.0000103 | 4.21 | 0.00000276 | 0.0000514 | 0.0000745 | 0.000263 | 0.00721 |
| 2053 May | 26.7 | 0.0087 | 0.00399 | 0.000514 | 5.38 | 0.0337 | 3.84 | 0.00000514 | 0.00255 | 0.000265 | 0.00514 | 0.00899 | 0.0000103 | 4.2 | 0.00000276 | 0.0000514 | 0.0000738 | 0.000263 | 0.00715 |
| 2053 Jun | 26.7 | 0.00887 | 0.00396 | 0.000507 | 5.34 | 0.0335 | 3.85 | 0.00000507 | 0.00236 | 0.000262 | 0.00507 | 0.00901 | 0.0000101 | 4.19 | 0.00000268 | 0.0000507 | 0.0000724 | 0.000258 | 0.00663 |
| 2053 Jul | 27.1 | 0.00899 | 0.00403 | 0.000511 | 5.43 | 0.0339 | 3.89 | 0.00000511 | 0.00235 | 0.000265 | 0.00511 | 0.00914 | 0.0000102 | 4.24 | 0.0000027 | 0.0000511 | 0.0000735 | 0.00026 | 0.00664 |
| 2053 Aug | 27.1 | 0.00891 | 0.00402 | 0.000515 | 5.43 | 0.034 | 3.89 | 0.00000515 | 0.00243 | 0.000266 | 0.00515 | 0.00914 | 0.0000103 | 4.25 | 0.00000271 | 0.0000515 | 0.0000739 | 0.000262 | 0.00685 |
| 2053 Sep | 27 | 0.00887 | 0.00401 | 0.000516 | 5.42 | 0.0339 | 3.88 | 0.00000516 | 0.00247 | 0.000266 | 0.00516 | 0.00911 | 0.0000103 | 4.24 | 0.00000272 | 0.0000516 | 0.0000737 | 0.000263 | 0.00698 |
| 2053 Oct | 27 | 0.00885 | 0.004 | 0.000516 | 5.41 | 0.0339 | 3.88 | 0.00000516 | 0.00249 | 0.000266 | 0.00516 | 0.00909 | 0.0000103 | 4.23 | 0.00000273 | 0.0000517 | 0.0000737 | 0.000263 | 0.00702 |
| 2053 Nov | 27 | 0.00882 | 0.004 | 0.000516 | 5.41 | 0.0339 | 3.88 | 0.00000516 | 0.00251 | 0.000266 | 0.00516 | 0.00908 | 0.0000103 | 4.23 | 0.00000275 | 0.0000517 | 0.0000739 | 0.000264 | 0.00703 |
| 2053 Dec | 27 | 0.00882 | 0.004 | 0.000516 | 5.41 | 0.0339 | 3.88 | 0.00000516 | 0.00251 | 0.000266 | 0.00516 | 0.00908 | 0.0000103 | 4.23 | 0.00000275 | 0.0000517 | 0.0000739 | 0.000264 | 0.00703 |
| 2054 Jan | 27 | 0.00882 | 0.004 | 0.000516 | 5.41 | 0.0339 | 3.88 | 0.00000516 | 0.00251 | 0.000266 | 0.00516 | 0.00908 | 0.0000103 | 4.23 | 0.00000275 | 0.0000517 | 0.0000739 | 0.000264 | 0.00703 |
| 2054 Feb | 27 | 0.00882 | 0.004 | 0.000516 | 5.41 | 0.0339 | 3.88 | 0.00000516 | 0.00251 | 0.000266 | 0.00516 | 0.00908 | 0.0000103 | 4.23 | 0.00000275 | 0.0000517 | 0.0000739 | 0.000264 | 0.00703 |
| 2054 Mar | 27 | 0.00882 | 0.004 | 0.000516 | 5.41 | 0.0339 | 3.88 | 0.00000516 | 0.00251 | 0.000266 | 0.00516 | 0.00908 | 0.0000103 | 4.23 | 0.00000275 | 0.0000517 | 0.0000739 | 0.000264 | 0.00703 |
| 2054 Apr | 27 | 0.00883 | 0.004 | 0.000517 | 5.41 | 0.0339 | 3.88 | 0.00000517 | 0.00251 | 0.000266 | 0.00517 | 0.00908 | 0.0000103 | 4.24 | 0.00000276 | 0.0000517 | 0.0000739 | 0.000264 | 0.00703 |
| 2054 May | 27 | 0.00885 | 0.004 | 0.000518 | 5.42 | 0.034 | 3.89 | 0.00000518 | 0.00252 | 0.000267 | 0.00518 | 0.0091 | 0.0000104 | 4.24 | 0.00000276 | 0.0000518 | 0.0000739 | 0.000265 | 0.00703 |
| 2054 Jun | 26.8 | 0.00892 | 0.0039 | 0.00051 | 5.29 | 0.0336 | 3.87 | 0.0000051 | 0.00237 | 0.000262 | 0.0051 | 0.00903 | 0.0000102 | 4.18 | 0.00000269 | 0.0000511 | 0.0000716 | 0.00026 | 0.00656 |
| 2054 Jul | 26.5 | 0.00872 | 0.00388 | 0.000509 | 5.26 | 0.0334 | 3.82 | 0.00000509 | 0.00242 | 0.000261 | 0.00509 | 0.00897 | 0.0000102 | 4.15 | 0.00000267 | 0.0000509 | 0.0000726 | 0.000258 | 0.00676 |

**Appendix D21. Lake A18**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2054 Aug | 25.9 | 0.00822 | 0.00377 | 0.000507 | 5.14 | 0.0326 | 3.72 | 0.00000507 | 0.00259 | 0.000257 | 0.00507 | 0.00872 | 0.0000101 | 4.06 | 0.00000265 | 0.0000507 | 0.0000714 | 0.000257 | 0.00726 |
| 2054 Sep | 25.4 | 0.00797 | 0.00368 | 0.000506 | 5.06 | 0.0321 | 3.66 | 0.00000506 | 0.00269 | 0.000254 | 0.00506 | 0.00854 | 0.0000101 | 4 | 0.00000264 | 0.0000506 | 0.00007 | 0.000256 | 0.00758 |
| 2054 Oct | 25.2 | 0.00775 | 0.00366 | 0.000503 | 5.02 | 0.0319 | 3.63 | 0.00000503 | 0.00284 | 0.000252 | 0.00503 | 0.0084 | 0.0000101 | 3.97 | 0.00000278 | 0.0000504 | 0.0000706 | 0.00026 | 0.00768 |
| 2054 Nov | 25.2 | 0.00764 | 0.00366 | 0.000503 | 5.03 | 0.032 | 3.62 | 0.00000503 | 0.0029 | 0.000252 | 0.00503 | 0.00837 | 0.0000101 | 3.96 | 0.00000287 | 0.0000503 | 0.0000713 | 0.000263 | 0.00769 |
| 2054 Dec | 25.2 | 0.00764 | 0.00366 | 0.000503 | 5.02 | 0.032 | 3.62 | 0.00000503 | 0.0029 | 0.000252 | 0.00503 | 0.00837 | 0.0000101 | 3.96 | 0.00000287 | 0.0000503 | 0.0000713 | 0.000263 | 0.00769 |
| 2055 Jan | 25.2 | 0.00764 | 0.00366 | 0.000503 | 5.02 | 0.032 | 3.62 | 0.00000503 | 0.0029 | 0.000252 | 0.00503 | 0.00837 | 0.0000101 | 3.96 | 0.00000287 | 0.0000503 | 0.0000713 | 0.000263 | 0.00769 |
| 2055 Feb | 25.2 | 0.00764 | 0.00366 | 0.000503 | 5.02 | 0.032 | 3.62 | 0.00000503 | 0.0029 | 0.000252 | 0.00503 | 0.00837 | 0.0000101 | 3.96 | 0.00000287 | 0.0000503 | 0.0000713 | 0.000263 | 0.00769 |
| 2055 Mar | 25.2 | 0.00764 | 0.00366 | 0.000503 | 5.02 | 0.032 | 3.62 | 0.00000503 | 0.0029 | 0.000252 | 0.00503 | 0.00837 | 0.0000101 | 3.96 | 0.00000287 | 0.0000503 | 0.0000713 | 0.000263 | 0.00769 |
| 2055 Apr | 25.2 | 0.00764 | 0.00366 | 0.000503 | 5.03 | 0.032 | 3.62 | 0.00000503 | 0.0029 | 0.000253 | 0.00503 | 0.00837 | 0.0000101 | 3.96 | 0.00000287 | 0.0000503 | 0.0000713 | 0.000263 | 0.00769 |
| 2055 May | 25.2 | 0.00766 | 0.00367 | 0.000504 | 5.04 | 0.032 | 3.63 | 0.00000504 | 0.00291 | 0.000253 | 0.00504 | 0.00839 | 0.0000101 | 3.97 | 0.00000287 | 0.0000504 | 0.0000715 | 0.000264 | 0.00771 |
| 2055 Jun | 25.9 | 0.00811 | 0.00385 | 0.000501 | 5.23 | 0.0327 | 3.71 | 0.00000501 | 0.00264 | 0.000258 | 0.00501 | 0.00867 | 0.00001 | 4.07 | 0.00000279 | 0.0000501 | 0.0000727 | 0.00026 | 0.00718 |
| 2055 Jul | 26.2 | 0.00828 | 0.00393 | 0.000502 | 5.33 | 0.0331 | 3.75 | 0.00000502 | 0.00257 | 0.00026 | 0.00502 | 0.00881 | 0.00001 | 4.13 | 0.00000277 | 0.0000503 | 0.0000739 | 0.000259 | 0.0071 |
| 2055 Aug | 26 | 0.00806 | 0.00388 | 0.000504 | 5.28 | 0.0328 | 3.72 | 0.00000504 | 0.00267 | 0.000259 | 0.00504 | 0.00873 | 0.0000101 | 4.1 | 0.00000276 | 0.0000504 | 0.0000743 | 0.00026 | 0.0074 |
| 2055 Sep | 25.5 | 0.00788 | 0.0038 | 0.000503 | 5.19 | 0.0323 | 3.66 | 0.00000503 | 0.00276 | 0.000256 | 0.00503 | 0.00856 | 0.0000101 | 4.03 | 0.00000274 | 0.0000503 | 0.0000728 | 0.000259 | 0.00768 |
| 2055 Oct | 25.4 | 0.00791 | 0.00377 | 0.000503 | 5.15 | 0.0322 | 3.64 | 0.00000503 | 0.00278 | 0.000255 | 0.00503 | 0.00849 | 0.0000101 | 4.02 | 0.00000274 | 0.0000503 | 0.0000723 | 0.000259 | 0.00777 |
| 2055 Nov | 25.4 | 0.0079 | 0.00376 | 0.000503 | 5.15 | 0.0321 | 3.64 | 0.00000503 | 0.00278 | 0.000255 | 0.00503 | 0.00848 | 0.0000101 | 4.01 | 0.00000274 | 0.0000503 | 0.0000722 | 0.000259 | 0.00776 |
| 2055 Dec | 25.4 | 0.0079 | 0.00376 | 0.000503 | 5.14 | 0.0321 | 3.64 | 0.00000503 | 0.00278 | 0.000255 | 0.00503 | 0.00848 | 0.0000101 | 4.01 | 0.00000274 | 0.0000503 | 0.0000722 | 0.000259 | 0.00775 |
| 2056 Jan | 25.4 | 0.0079 | 0.00376 | 0.000503 | 5.14 | 0.0321 | 3.64 | 0.00000503 | 0.00278 | 0.000255 | 0.00503 | 0.00848 | 0.0000101 | 4.01 | 0.00000274 | 0.0000503 | 0.0000722 | 0.000259 | 0.00775 |
| 2056 Feb | 25.4 | 0.00791 | 0.00376 | 0.000503 | 5.14 | 0.0321 | 3.64 | 0.00000503 | 0.00278 | 0.000255 | 0.00503 | 0.00848 | 0.0000101 | 4.01 | 0.00000274 | 0.0000503 | 0.0000722 | 0.000259 | 0.00775 |
| 2056 Mar | 25.4 | 0.00791 | 0.00376 | 0.000503 | 5.14 | 0.0321 | 3.64 | 0.00000503 | 0.00278 | 0.000255 | 0.00503 | 0.00848 | 0.0000101 | 4.01 | 0.00000274 | 0.0000503 | 0.0000722 | 0.000259 | 0.00775 |
| 2056 Apr | 25.4 | 0.00791 | 0.00376 | 0.000503 | 5.14 | 0.0321 | 3.64 | 0.00000503 | 0.00278 | 0.000255 | 0.00503 | 0.00848 | 0.0000101 | 4.01 | 0.00000274 | 0.0000503 | 0.0000722 | 0.000259 | 0.00775 |
| 2056 May | 25.3 | 0.00795 | 0.00372 | 0.000504 | 5.09 | 0.0321 | 3.64 | 0.00000504 | 0.00277 | 0.000254 | 0.00504 | 0.00847 | 0.0000101 | 4 | 0.00000274 | 0.0000504 | 0.0000715 | 0.000259 | 0.00766 |
| 2056 Jun | 25 | 0.00811 | 0.00352 | 0.000498 | 4.85 | 0.0317 | 3.64 | 0.00000498 | 0.00259 | 0.000247 | 0.00498 | 0.0084 | 0.00000996 | 3.91 | 0.00000266 | 0.0000498 | 0.0000673 | 0.000254 | 0.00695 |
| 2056 Jul | 25.3 | 0.00821 | 0.00358 | 0.000502 | 4.92 | 0.032 | 3.68 | 0.00000502 | 0.00259 | 0.00025 | 0.00502 | 0.0085 | 0.00001 | 3.96 | 0.00000267 | 0.0000502 | 0.0000684 | 0.000256 | 0.00698 |
| 2056 Aug | 25.5 | 0.0082 | 0.00359 | 0.000506 | 4.95 | 0.0322 | 3.69 | 0.00000506 | 0.00264 | 0.000252 | 0.00506 | 0.00855 | 0.0000101 | 3.98 | 0.00000269 | 0.0000506 | 0.0000691 | 0.000258 | 0.00714 |
| 2056 Sep | 25.4 | 0.00823 | 0.00359 | 0.000508 | 4.95 | 0.0322 | 3.69 | 0.00000508 | 0.00267 | 0.000252 | 0.00508 | 0.00853 | 0.0000102 | 3.98 | 0.0000027 | 0.0000508 | 0.0000691 | 0.000259 | 0.00724 |
| 2056 Oct | 25.3 | 0.00807 | 0.00357 | 0.000506 | 4.92 | 0.032 | 3.67 | 0.00000506 | 0.00277 | 0.000251 | 0.00506 | 0.00842 | 0.0000101 | 3.96 | 0.0000028 | 0.0000506 | 0.0000695 | 0.000262 | 0.00734 |
| 2056 Nov | 25.3 | 0.00803 | 0.00357 | 0.000506 | 4.92 | 0.032 | 3.67 | 0.00000506 | 0.00279 | 0.000251 | 0.00506 | 0.00842 | 0.0000101 | 3.96 | 0.00000282 | 0.0000506 | 0.0000697 | 0.000263 | 0.00734 |
| 2056 Dec | 25.3 | 0.00803 | 0.00357 | 0.000506 | 4.92 | 0.032 | 3.67 | 0.00000506 | 0.00279 | 0.000251 | 0.00506 | 0.00842 | 0.0000101 | 3.96 | 0.00000282 | 0.0000506 | 0.0000697 | 0.000263 | 0.00734 |
| 2057 Jan | 25.3 | 0.00803 | 0.00357 | 0.000506 | 4.92 | 0.032 | 3.67 | 0.00000506 | 0.00279 | 0.000251 | 0.00506 | 0.00842 | 0.0000101 | 3.96 | 0.00000282 | 0.0000506 | 0.0000697 | 0.000263 | 0.00734 |
| 2057 Feb | 25.3 | 0.00803 | 0.00357 | 0.000506 | 4.92 | 0.032 | 3.67 | 0.00000506 | 0.00279 | 0.000251 | 0.00506 | 0.00842 | 0.0000101 | 3.96 | 0.00000282 | 0.0000506 | 0.0000697 | 0.000263 | 0.00734 |
| 2057 Mar | 25.3 | 0.00803 | 0.00357 | 0.000506 | 4.92 | 0.032 | 3.67 | 0.00000506 | 0.00279 | 0.000251 | 0.00506 | 0.00842 | 0.0000101 | 3.96 | 0.00000282 | 0.0000506 | 0.0000697 | 0.000263 | 0.00734 |
| 2057 Apr | 25.3 | 0.00804 | 0.00358 | 0.000506 | 4.92 | 0.0321 | 3.67 | 0.00000506 | 0.00279 | 0.000251 | 0.00506 | 0.00842 | 0.0000101 | 3.96 | 0.00000282 | 0.0000506 | 0.0000697 | 0.000263 | 0.00735 |
| 2057 May | 25.2 | 0.00807 | 0.00354 | 0.000507 | 4.88 | 0.032 | 3.67 | 0.00000507 | 0.00278 | 0.00025 | 0.00507 | 0.00842 | 0.0000101 | 3.95 | 0.00000282 | 0.0000507 | 0.0000691 | 0.000263 | 0.00726 |
| 2057 Jun | 25.1 | 0.0082 | 0.00344 | 0.000504 | 4.76 | 0.0318 | 3.68 | 0.00000504 | 0.00265 | 0.000247 | 0.00504 | 0.0084 | 0.0000101 | 3.91 | 0.00000275 | 0.0000504 | 0.0000668 | 0.000259 | 0.00684 |
| 2057 Jul | 25.3 | 0.00819 | 0.00347 | 0.000507 | 4.8 | 0.032 | 3.69 | 0.00000507 | 0.00269 | 0.000249 | 0.00507 | 0.00846 | 0.0000101 | 3.93 | 0.00000276 | 0.0000507 | 0.0000679 | 0.000261 | 0.00699 |
| 2057 Aug | 25.3 | 0.00812 | 0.00348 | 0.000512 | 4.82 | 0.0321 | 3.7 | 0.00000512 | 0.00276 | 0.00025 | 0.00512 | 0.00848 | 0.0000102 | 3.95 | 0.00000278 | 0.0000512 | 0.0000687 | 0.000263 | 0.00721 |
| 2057 Sep | 25.1 | 0.0081 | 0.00343 | 0.000511 | 4.77 | 0.0318 | 3.66 | 0.00000511 | 0.00281 | 0.000248 | 0.00511 | 0.00836 | 0.0000102 | 3.91 | 0.00000276 | 0.0000511 | 0.0000679 | 0.000262 | 0.00741 |
| 2057 Oct | 24.9 | 0.00807 | 0.00341 | 0.000509 | 4.74 | 0.0316 | 3.63 | 0.00000509 | 0.00286 | 0.000247 | 0.00509 | 0.00826 | 0.0000102 | 3.88 | 0.00000279 | 0.0000509 | 0.0000676 | 0.000263 | 0.00753 |
| 2057 Nov | 24.9 | 0.00806 | 0.00341 | 0.000509 | 4.74 | 0.0316 | 3.64 | 0.00000509 | 0.00287 | 0.000247 | 0.00509 | 0.00826 | 0.0000102 | 3.89 | 0.0000028 | 0.0000509 | 0.0000677 | 0.000263 | 0.00754 |
| 2057 Dec | 24.9 | 0.00806 | 0.00341 | 0.000509 | 4.74 | 0.0316 | 3.64 | 0.00000509 | 0.00287 | 0.000247 | 0.00509 | 0.00826 | 0.0000102 | 3.89 | 0.0000028 | 0.0000509 | 0.0000677 | 0.000263 | 0.00754 |
| 2058 Jan | 24.9 | 0.00806 | 0.00341 | 0.000509 | 4.74 | 0.0316 | 3.63 | 0.00000509 | 0.00287 | 0.000247 | 0.00509 | 0.00826 | 0.0000102 | 3.89 | 0.0000028 | 0.0000509 | 0.0000677 | 0.000263 | 0.00754 |
| 2058 Feb | 24.9 | 0.00806 | 0.00341 | 0.000509 | 4.74 | 0.0316 | 3.63 | 0.00000509 | 0.00287 | 0.000247 | 0.00509 | 0.00826 | 0.0000102 | 3.89 | 0.0000028 | 0.0000509 | 0.0000677 | 0.000263 | 0.00754 |
| 2058 Mar | 24.9 | 0.00806 | 0.00341 | 0.000509 | 4.74 | 0.0316 | 3.64 | 0.00000509 | 0.00287 | 0.000247 | 0.00509 | 0.00826 | 0.0000102 | 3.89 | 0.0000028 | 0.0000509 | 0.0000677 | 0.000263 | 0.00754 |
| 2058 Apr | 24.9 | 0.00806 | 0.00341 | 0.00051 | 4.74 | 0.0316 | 3.64 | 0.0000051 | 0.00287 | 0.000247 | 0.0051 | 0.00826 | 0.0000102 | 3.89 | 0.00000281 | 0.000051 | 0.0000678 | 0.000263 | 0.00754 |
| 2058 May | 24.9 | 0.00809 | 0.00339 | 0.00051 | 4.72 | 0.0316 | 3.64 | 0.0000051 | 0.00286 | 0.000246 | 0.0051 | 0.00827 | 0.0000102 | 3.88 | 0.0000028 | 0.000051 | 0.0000673 | 0.000263 | 0.00747 |
| 2058 Jun | 24.9 | 0.00828 | 0.00334 | 0.000504 | 4.65 | 0.0315 | 3.66 | 0.00000504 | 0.00264 | 0.000244 | 0.00504 | 0.00832 | 0.0000101 | 3.86 | 0.00000271 | 0.0000504 | 0.0000653 | 0.000258 | 0.00684 |
| 2058 Jul | 25.2 | 0.00839 | 0.00341 | 0.000508 | 4.74 | 0.0319 | 3.7 | 0.00000508 | 0.00264 | 0.000247 | 0.00508 | 0.00844 | 0.0000102 | 3.92 | 0.00000273 | 0.0000508 | 0.0000664 | 0.00026 | 0.00688 |
| 2058 Aug | 25.3 | 0.00838 | 0.00343 | 0.000512 | 4.76 | 0.0321 | 3.72 | 0.00000512 | 0.00269 | 0.000249 | 0.00512 | 0.00847 | 0.0000102 | 3.94 | 0.00000275 | 0.0000512 | 0.000067 | 0.000262 | 0.00703 |
| 2058 Sep | 24.9 | 0.00837 | 0.00337 | 0.00051 | 4.69 | 0.0316 | 3.66 | 0.0000051 | 0.00274 | 0.000246 | 0.0051 | 0.00831 | 0.0000102 | 3.89 | 0.00000272 | 0.000051 | 0.0000659 | 0.000261 | 0.00728 |
| 2058 Oct | 24.7 | 0.00834 | 0.00333 | 0.000509 | 4.65 | 0.0314 | 3.63 | 0.00000509 | 0.00281 | 0.000244 | 0.00509 | 0.00819 | 0.0000102 | 3.85 | 0.00000275 | 0.0000509 | 0.0000656 | 0.000261 | 0.00745 |
| 2058 Nov | 24.7 | 0.0083 | 0.00334 | 0.000509 | 4.66 | 0.0314 | 3.63 | 0.00000509 | 0.00283 | 0.000244 | 0.00509 | 0.00818 | 0.0000102 | 3.85 | 0.00000278 | 0.0000509 | 0.0000658 | 0.000262 | 0.00745 |
| 2058 Dec | 24.7 | 0.0083 | 0.00334 | 0.000509 | 4.66 | 0.0314 | 3.63 | 0.00000509 | 0.00283 | 0.000244 | 0.00509 | 0.00818 | 0.0000102 | 3.85 | 0.00000278 | 0.0000509 | 0.0000658 | 0.000262 | 0.00745 |
| 2059 Jan | 24.7 | 0.0083 | 0.00334 | 0.000509 | 4.66 | 0.0314 | 3.63 | 0.00000509 | 0.00283 | 0.000244 | 0.00509 | 0.00818 | 0.0000102 | 3.85 | 0.00000278 | 0.0000509 | 0.0000658 | 0.000262 | 0.00745 |
| 2059 Feb | 24.7 | 0.0083 | 0.00334 | 0.000509 | 4.66 | 0.0314 | 3.63 | 0.00000509 | 0.00283 | 0.000244 | 0.00509 | 0.00818 | 0.0000102 | 3.85 | 0.00000278 | 0.0000509 | 0.0000658 | 0.000262 | 0.00745 |
| 2059 Mar | 24.7 | 0.0083 | 0.00334 | 0.000509 | 4.66 | 0.0314 | 3.63 | 0.00000509 | 0.00283 | 0.000244 | 0.00509 | 0.00818 | 0.0000102 | 3.85 | 0.00000278 | 0.0000509 | 0.0000658 | 0.000262 | 0.00745 |
| 2059 Apr | 24.7 | 0.00831 | 0.00334 | 0.000509 | 4.66 | 0.0314 | 3.63 | 0.00000509 | 0.00283 | 0.000244 | 0.00509 | 0.00819 | 0.0000102 | 3.86 | 0.00000278 | 0.0000509 | 0.0000658 | 0.000262 | 0.00746 |
| 2059 May | 24.7 | 0.00833 | 0.00333 | 0.00051 | 4.64 | 0.0314 | 3.64 | 0.0000051 | 0.00282 | 0.000244 | 0.0051 | 0.0082 | 0.0000102 | 3.85 | 0.00000278 | 0.000051 | 0.0000655 | 0.000262 | 0.00741 |
| 2059 Jun | 24.7 | 0.00841 | 0.00326 | 0.000507 | 4.57 | 0.0314 | 3.65 | 0.00000507 | 0.0027 | 0.000242 | 0.00507 | 0.00822 | 0.0000101 | 3.84 | 0.00000273 | 0.0000507 | 0.000064 | 0.00026 | 0.007 |
| 2059 Jul | 25 | 0.00849 | 0.00332 | 0.000512 | 4.64 | 0.0317 | 3.69 | 0.00000512 | 0.00272 | 0.000245 | 0.00512 | 0.00833 | 0.0000102 | 3.88 | 0.00000275 | 0.0000512 | 0.0000651 | 0.000262 | 0.00707 |
| 2059 Aug | 25.1 | 0.00846 | 0.00333 | 0.000515 | 4.66 | 0.0319 | 3.7 | 0.00000515 | 0.00277 | 0.000246 | 0.00515 | 0.00835 | 0.0000103 | 3.9 | 0.00000276 | 0.0000516 | 0.0000657 | 0.000264 | 0.00723 |
| 2059 Sep | 24.9 | 0.00841 | 0.0033 | 0.000514 | 4.62 | 0.0316 | 3.66 | 0.00000514 | 0.00281 | 0.000245 | 0.00514 | 0.00825 | 0.0000103 | 3.87 | 0.00000275 | 0.0000514 | 0.000065 | 0.000263 | 0.00742 |
| 2059 Oct | 24.6 | 0.00823 | 0.00328 | 0.000511 | 4.59 | 0.0313 | 3.62 | 0.00000511 | 0.00295 | 0.000243 | 0.00511 | 0.00809 | 0.0000102 | 3.83 | 0.00000287 | 0.0000511 | 0.0000655 | 0.000266 | 0.0076 |
| 2059 Nov | 24.6 | 0.00821 | 0.00328 | 0.000512 | 4.6 | 0.0313 | 3.63 | 0.00000512 | 0.00297 | 0.000244 | 0.00512 | 0.00809 | 0.0000102 | 3.83 | 0.00000289 | 0.0000512 | 0.0000657 | 0.000267 | 0.00761 |
| 2059 Dec | 24.6 | 0.00821 | 0.00328 | 0.000512 | 4.6 | 0.0313 | 3.63 | 0.00000512 | 0.00297 | 0.000243 | 0.00512 | 0.00809 | 0.0000102 | 3.83 | 0.00000289 | 0.0000512 | 0.0000657 | 0.000267 | 0.00761 |

**Appendix D21. Lake A18**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jan | 24.6 | 0.00821 | 0.00328 | 0.000512 | 4.6 | 0.0313 | 3.63 | 0.00000512 | 0.00297 | 0.000243 | 0.00512 | 0.00809 | 0.0000102 | 3.83 | 0.00000289 | 0.0000512 | 0.0000657 | 0.000267 | 0.00761 |
| 2060 Feb | 24.6 | 0.00821 | 0.00328 | 0.000512 | 4.6 | 0.0313 | 3.63 | 0.00000512 | 0.00297 | 0.000243 | 0.00512 | 0.00809 | 0.0000102 | 3.83 | 0.00000289 | 0.0000512 | 0.0000657 | 0.000267 | 0.00761 |
| 2060 Mar | 24.6 | 0.00821 | 0.00328 | 0.000512 | 4.6 | 0.0313 | 3.63 | 0.00000512 | 0.00297 | 0.000244 | 0.00512 | 0.00809 | 0.0000102 | 3.83 | 0.00000289 | 0.0000512 | 0.0000657 | 0.000267 | 0.00761 |
| 2060 Apr | 24.6 | 0.00821 | 0.00329 | 0.000512 | 4.6 | 0.0313 | 3.63 | 0.00000512 | 0.00297 | 0.000244 | 0.00512 | 0.0081 | 0.0000102 | 3.83 | 0.00000289 | 0.0000512 | 0.0000658 | 0.000267 | 0.00761 |
| 2060 May | 24.5 | 0.00824 | 0.0032 | 0.00051 | 4.49 | 0.0312 | 3.63 | 0.0000051 | 0.00289 | 0.000241 | 0.0051 | 0.00808 | 0.0000102 | 3.8 | 0.00000284 | 0.000051 | 0.000064 | 0.000265 | 0.00732 |
| 2060 Jun | 24.4 | 0.00828 | 0.00313 | 0.000507 | 4.41 | 0.031 | 3.63 | 0.00000507 | 0.00279 | 0.000238 | 0.00507 | 0.00807 | 0.0000101 | 3.77 | 0.00000279 | 0.0000507 | 0.0000624 | 0.000262 | 0.00698 |
| 2060 Jul | 24.6 | 0.00833 | 0.00317 | 0.000512 | 4.47 | 0.0313 | 3.65 | 0.00000512 | 0.00282 | 0.000241 | 0.00512 | 0.00816 | 0.0000102 | 3.81 | 0.00000281 | 0.0000512 | 0.0000635 | 0.000264 | 0.0071 |
| 2060 Aug | 24.3 | 0.008 | 0.00314 | 0.000512 | 4.43 | 0.031 | 3.6 | 0.00000512 | 0.00293 | 0.00024 | 0.00512 | 0.00805 | 0.0000102 | 3.77 | 0.00000279 | 0.0000512 | 0.000064 | 0.000264 | 0.00748 |
| 2060 Sep | 23.7 | 0.00769 | 0.00306 | 0.000508 | 4.35 | 0.0303 | 3.5 | 0.00000508 | 0.00304 | 0.000236 | 0.00508 | 0.00781 | 0.0000102 | 3.69 | 0.00000275 | 0.0000508 | 0.0000624 | 0.000261 | 0.0079 |
| 2060 Oct | 23.5 | 0.00767 | 0.00305 | 0.000506 | 4.33 | 0.0301 | 3.48 | 0.00000506 | 0.00309 | 0.000235 | 0.00506 | 0.00772 | 0.0000101 | 3.67 | 0.00000279 | 0.0000506 | 0.0000623 | 0.000261 | 0.00802 |
| 2060 Nov | 23.5 | 0.00765 | 0.00305 | 0.000506 | 4.34 | 0.0301 | 3.48 | 0.00000506 | 0.0031 | 0.000235 | 0.00506 | 0.00772 | 0.0000101 | 3.67 | 0.0000028 | 0.0000506 | 0.0000625 | 0.000262 | 0.00802 |
| 2060 Dec | 23.5 | 0.00766 | 0.00305 | 0.000506 | 4.34 | 0.0301 | 3.48 | 0.00000506 | 0.0031 | 0.000235 | 0.00506 | 0.00772 | 0.0000101 | 3.67 | 0.0000028 | 0.0000507 | 0.0000625 | 0.000262 | 0.00802 |
| 2061 Jan | 23.5 | 0.00766 | 0.00305 | 0.000506 | 4.34 | 0.0301 | 3.48 | 0.00000506 | 0.0031 | 0.000235 | 0.00506 | 0.00772 | 0.0000101 | 3.67 | 0.0000028 | 0.0000507 | 0.0000625 | 0.000262 | 0.00802 |
| 2061 Feb | 23.5 | 0.00766 | 0.00305 | 0.000506 | 4.34 | 0.0301 | 3.48 | 0.00000506 | 0.0031 | 0.000235 | 0.00506 | 0.00772 | 0.0000101 | 3.67 | 0.0000028 | 0.0000507 | 0.0000625 | 0.000262 | 0.00802 |
| 2061 Mar | 23.5 | 0.00766 | 0.00305 | 0.000507 | 4.34 | 0.0301 | 3.48 | 0.00000507 | 0.0031 | 0.000235 | 0.00507 | 0.00772 | 0.0000101 | 3.67 | 0.0000028 | 0.0000507 | 0.0000625 | 0.000262 | 0.00802 |
| 2061 Apr | 23.5 | 0.00766 | 0.00305 | 0.000507 | 4.34 | 0.0301 | 3.48 | 0.00000507 | 0.0031 | 0.000235 | 0.00507 | 0.00773 | 0.0000101 | 3.67 | 0.0000028 | 0.0000507 | 0.0000625 | 0.000262 | 0.00802 |
| 2061 May | 23.6 | 0.00771 | 0.00304 | 0.000508 | 4.32 | 0.0302 | 3.49 | 0.00000508 | 0.00308 | 0.000235 | 0.00508 | 0.00775 | 0.0000102 | 3.68 | 0.0000028 | 0.0000508 | 0.0000622 | 0.000262 | 0.00792 |
| 2061 Jun | 23.9 | 0.00799 | 0.00307 | 0.000499 | 4.34 | 0.0303 | 3.53 | 0.00000499 | 0.00276 | 0.000234 | 0.00499 | 0.00791 | 0.00000997 | 3.7 | 0.00000268 | 0.0000499 | 0.000061 | 0.000255 | 0.00705 |
| 2061 Jul | 24.1 | 0.00799 | 0.00314 | 0.000501 | 4.42 | 0.0306 | 3.55 | 0.00000501 | 0.00277 | 0.000237 | 0.00501 | 0.008 | 0.00001 | 3.74 | 0.00000268 | 0.0000501 | 0.0000629 | 0.000256 | 0.00717 |
| 2061 Aug | 24.1 | 0.00791 | 0.00315 | 0.000504 | 4.44 | 0.0307 | 3.55 | 0.00000504 | 0.00283 | 0.000238 | 0.00504 | 0.00802 | 0.0000101 | 3.75 | 0.0000027 | 0.0000504 | 0.0000635 | 0.000258 | 0.00737 |
| 2061 Sep | 24 | 0.00784 | 0.00313 | 0.000505 | 4.43 | 0.0306 | 3.54 | 0.00000505 | 0.00287 | 0.000238 | 0.00505 | 0.00796 | 0.0000101 | 3.73 | 0.00000269 | 0.0000505 | 0.0000632 | 0.000258 | 0.00752 |
| 2061 Oct | 23.8 | 0.00771 | 0.00314 | 0.000503 | 4.42 | 0.0304 | 3.52 | 0.00000503 | 0.00297 | 0.000237 | 0.00503 | 0.00788 | 0.0000101 | 3.72 | 0.00000279 | 0.0000503 | 0.0000638 | 0.00026 | 0.00761 |
| 2061 Nov | 23.9 | 0.00767 | 0.00314 | 0.000503 | 4.43 | 0.0305 | 3.52 | 0.00000503 | 0.00299 | 0.000237 | 0.00503 | 0.00787 | 0.0000101 | 3.72 | 0.00000282 | 0.0000503 | 0.0000642 | 0.000261 | 0.00762 |
| 2061 Dec | 23.9 | 0.00767 | 0.00314 | 0.000503 | 4.43 | 0.0305 | 3.52 | 0.00000503 | 0.00299 | 0.000237 | 0.00503 | 0.00787 | 0.0000101 | 3.72 | 0.00000282 | 0.0000503 | 0.0000642 | 0.000261 | 0.00762 |
| 2062 Jan | 23.9 | 0.00767 | 0.00314 | 0.000503 | 4.43 | 0.0305 | 3.52 | 0.00000503 | 0.00299 | 0.000237 | 0.00503 | 0.00787 | 0.0000101 | 3.72 | 0.00000282 | 0.0000503 | 0.0000642 | 0.000261 | 0.00762 |
| 2062 Feb | 23.9 | 0.00767 | 0.00314 | 0.000503 | 4.43 | 0.0305 | 3.52 | 0.00000503 | 0.00299 | 0.000237 | 0.00503 | 0.00787 | 0.0000101 | 3.72 | 0.00000282 | 0.0000503 | 0.0000642 | 0.000261 | 0.00762 |
| 2062 Mar | 23.9 | 0.00767 | 0.00314 | 0.000503 | 4.43 | 0.0305 | 3.52 | 0.00000503 | 0.00299 | 0.000237 | 0.00503 | 0.00787 | 0.0000101 | 3.72 | 0.00000282 | 0.0000503 | 0.0000642 | 0.000261 | 0.00762 |
| 2062 Apr | 23.9 | 0.00768 | 0.00315 | 0.000503 | 4.43 | 0.0305 | 3.52 | 0.00000503 | 0.00299 | 0.000237 | 0.00503 | 0.00788 | 0.0000101 | 3.72 | 0.00000282 | 0.0000503 | 0.0000642 | 0.000261 | 0.00762 |
| 2062 May | 23.9 | 0.00769 | 0.00315 | 0.000504 | 4.44 | 0.0305 | 3.52 | 0.00000504 | 0.003 | 0.000238 | 0.00504 | 0.00789 | 0.0000101 | 3.73 | 0.00000283 | 0.0000504 | 0.0000643 | 0.000262 | 0.00764 |
| 2062 Jun | 24.8 | 0.00813 | 0.00342 | 0.0005 | 4.74 | 0.0314 | 3.62 | 0.000005 | 0.00271 | 0.000245 | 0.005 | 0.00825 | 0.00001 | 3.87 | 0.00000275 | 0.00005 | 0.0000667 | 0.000258 | 0.00711 |
| 2062 Jul | 25.3 | 0.00834 | 0.00359 | 0.000498 | 4.93 | 0.032 | 3.67 | 0.00000498 | 0.00256 | 0.000249 | 0.00498 | 0.00847 | 0.00000997 | 3.95 | 0.0000027 | 0.0000498 | 0.0000689 | 0.000256 | 0.0069 |
| 2062 Aug | 25.2 | 0.0082 | 0.00357 | 0.000501 | 4.92 | 0.0319 | 3.66 | 0.00000501 | 0.00264 | 0.00025 | 0.00501 | 0.00845 | 0.00001 | 3.95 | 0.00000271 | 0.0000501 | 0.000069 | 0.000257 | 0.00714 |
| 2062 Sep | 24.8 | 0.00807 | 0.0035 | 0.0005 | 4.84 | 0.0314 | 3.6 | 0.000005 | 0.00272 | 0.000247 | 0.005 | 0.00827 | 0.00001 | 3.89 | 0.00000269 | 0.00005 | 0.0000676 | 0.000256 | 0.00743 |
| 2062 Oct | 24.3 | 0.0078 | 0.00344 | 0.000495 | 4.76 | 0.0309 | 3.54 | 0.00000495 | 0.00291 | 0.000243 | 0.00495 | 0.00802 | 0.0000099 | 3.82 | 0.00000285 | 0.0000495 | 0.0000678 | 0.00026 | 0.00764 |
| 2062 Nov | 24.3 | 0.00775 | 0.00345 | 0.000495 | 4.77 | 0.031 | 3.54 | 0.00000495 | 0.00294 | 0.000244 | 0.00495 | 0.00801 | 0.0000099 | 3.82 | 0.00000289 | 0.0000495 | 0.0000682 | 0.000261 | 0.00765 |
| 2062 Dec | 24.3 | 0.00775 | 0.00345 | 0.000495 | 4.77 | 0.031 | 3.54 | 0.00000495 | 0.00294 | 0.000244 | 0.00495 | 0.00801 | 0.0000099 | 3.82 | 0.00000289 | 0.0000495 | 0.0000682 | 0.000261 | 0.00765 |
| 2063 Jan | 24.3 | 0.00775 | 0.00345 | 0.000495 | 4.77 | 0.031 | 3.54 | 0.00000495 | 0.00294 | 0.000244 | 0.00495 | 0.00801 | 0.0000099 | 3.82 | 0.00000289 | 0.0000495 | 0.0000682 | 0.000261 | 0.00765 |
| 2063 Feb | 24.3 | 0.00775 | 0.00345 | 0.000495 | 4.77 | 0.031 | 3.54 | 0.00000495 | 0.00294 | 0.000244 | 0.00495 | 0.00801 | 0.0000099 | 3.82 | 0.00000289 | 0.0000495 | 0.0000682 | 0.000261 | 0.00765 |
| 2063 Mar | 24.3 | 0.00775 | 0.00345 | 0.000495 | 4.77 | 0.031 | 3.54 | 0.00000495 | 0.00294 | 0.000244 | 0.00495 | 0.00801 | 0.0000099 | 3.82 | 0.00000289 | 0.0000495 | 0.0000682 | 0.000261 | 0.00765 |
| 2063 Apr | 24.3 | 0.00775 | 0.00345 | 0.000495 | 4.77 | 0.031 | 3.54 | 0.00000495 | 0.00294 | 0.000244 | 0.00495 | 0.00801 | 0.0000099 | 3.82 | 0.00000289 | 0.0000495 | 0.0000682 | 0.000261 | 0.00765 |
| 2063 May | 24.4 | 0.00777 | 0.00344 | 0.000496 | 4.76 | 0.031 | 3.55 | 0.00000496 | 0.00294 | 0.000244 | 0.00496 | 0.00802 | 0.00000992 | 3.83 | 0.00000289 | 0.0000496 | 0.0000681 | 0.000261 | 0.00763 |
| 2063 Jun | 25 | 0.00824 | 0.00355 | 0.000492 | 4.88 | 0.0316 | 3.63 | 0.00000492 | 0.00258 | 0.000246 | 0.00492 | 0.00832 | 0.00000984 | 3.91 | 0.00000275 | 0.0000492 | 0.0000677 | 0.000255 | 0.00681 |
| 2063 Jul | 25.3 | 0.00837 | 0.00363 | 0.000494 | 4.97 | 0.0319 | 3.67 | 0.00000494 | 0.00253 | 0.000249 | 0.00494 | 0.00845 | 0.00000987 | 3.96 | 0.00000274 | 0.0000494 | 0.0000689 | 0.000256 | 0.00675 |
| 2063 Aug | 25.5 | 0.00836 | 0.00365 | 0.000499 | 5.01 | 0.0322 | 3.69 | 0.00000499 | 0.00259 | 0.000251 | 0.00499 | 0.00851 | 0.00000997 | 3.99 | 0.00000276 | 0.0000499 | 0.0000697 | 0.000258 | 0.00692 |
| 2063 Sep | 25.5 | 0.00835 | 0.00365 | 0.000501 | 5.01 | 0.0322 | 3.69 | 0.00000501 | 0.00262 | 0.000252 | 0.00501 | 0.0085 | 0.00001 | 3.99 | 0.00000277 | 0.0000501 | 0.0000697 | 0.000259 | 0.00702 |
| 2063 Oct | 25.5 | 0.00829 | 0.00366 | 0.000501 | 5.01 | 0.0322 | 3.69 | 0.00000501 | 0.00266 | 0.000252 | 0.00501 | 0.00849 | 0.00001 | 3.99 | 0.00000281 | 0.0000501 | 0.0000701 | 0.00026 | 0.00705 |
| 2063 Nov | 25.5 | 0.00829 | 0.00366 | 0.000501 | 5.01 | 0.0322 | 3.69 | 0.00000501 | 0.00267 | 0.000252 | 0.00501 | 0.00849 | 0.00001 | 3.99 | 0.00000282 | 0.0000501 | 0.0000702 | 0.000261 | 0.00706 |
| 2063 Dec | 25.5 | 0.00829 | 0.00366 | 0.000501 | 5.01 | 0.0322 | 3.69 | 0.00000501 | 0.00267 | 0.000252 | 0.00501 | 0.00849 | 0.00001 | 3.99 | 0.00000282 | 0.0000501 | 0.0000702 | 0.000261 | 0.00706 |
| 2064 Jan | 25.5 | 0.00829 | 0.00366 | 0.000501 | 5.01 | 0.0322 | 3.69 | 0.00000501 | 0.00267 | 0.000252 | 0.00501 | 0.00849 | 0.00001 | 3.99 | 0.00000282 | 0.0000501 | 0.0000702 | 0.000261 | 0.00706 |
| 2064 Feb | 25.5 | 0.00829 | 0.00366 | 0.000501 | 5.01 | 0.0322 | 3.69 | 0.00000501 | 0.00267 | 0.000252 | 0.00501 | 0.00849 | 0.00001 | 3.99 | 0.00000282 | 0.0000501 | 0.0000702 | 0.000261 | 0.00706 |
| 2064 Mar | 25.5 | 0.00829 | 0.00366 | 0.000501 | 5.01 | 0.0322 | 3.69 | 0.00000501 | 0.00267 | 0.000252 | 0.00501 | 0.00849 | 0.00001 | 3.99 | 0.00000282 | 0.0000501 | 0.0000702 | 0.000261 | 0.00706 |
| 2064 Apr | 25.5 | 0.00829 | 0.00366 | 0.000501 | 5.02 | 0.0322 | 3.69 | 0.00000501 | 0.00267 | 0.000252 | 0.00501 | 0.00849 | 0.00001 | 3.99 | 0.00000282 | 0.0000501 | 0.0000702 | 0.000261 | 0.00706 |
| 2064 May | 25.4 | 0.0083 | 0.00359 | 0.000501 | 4.94 | 0.0321 | 3.69 | 0.00000501 | 0.00265 | 0.00025 | 0.00501 | 0.00845 | 0.00001 | 3.96 | 0.0000028 | 0.0000501 | 0.000069 | 0.00026 | 0.00694 |
| 2064 Jun | 25.1 | 0.00836 | 0.00345 | 0.000499 | 4.76 | 0.0318 | 3.68 | 0.00000499 | 0.00254 | 0.000246 | 0.00499 | 0.0084 | 0.00000997 | 3.9 | 0.00000273 | 0.0000499 | 0.0000661 | 0.000257 | 0.00655 |
| 2064 Jul | 25.4 | 0.0084 | 0.00349 | 0.000503 | 4.81 | 0.0321 | 3.71 | 0.00000503 | 0.00258 | 0.000248 | 0.00503 | 0.00848 | 0.0000101 | 3.94 | 0.00000275 | 0.0000503 | 0.0000673 | 0.000259 | 0.00669 |
| 2064 Aug | 25.3 | 0.00825 | 0.00347 | 0.000506 | 4.81 | 0.032 | 3.69 | 0.00000506 | 0.00267 | 0.000248 | 0.00506 | 0.00846 | 0.0000101 | 3.93 | 0.00000276 | 0.0000506 | 0.0000681 | 0.000261 | 0.00695 |
| 2064 Sep | 25 | 0.0082 | 0.00342 | 0.000505 | 4.75 | 0.0317 | 3.65 | 0.00000505 | 0.00273 | 0.000246 | 0.00505 | 0.00833 | 0.0000101 | 3.89 | 0.00000274 | 0.0000505 | 0.0000671 | 0.00026 | 0.00719 |
| 2064 Oct | 24.9 | 0.00822 | 0.00341 | 0.000505 | 4.74 | 0.0316 | 3.64 | 0.00000505 | 0.00274 | 0.000246 | 0.00505 | 0.00829 | 0.0000101 | 3.88 | 0.00000274 | 0.0000505 | 0.0000669 | 0.00026 | 0.00727 |
| 2064 Nov | 24.9 | 0.00823 | 0.00341 | 0.000506 | 4.74 | 0.0316 | 3.64 | 0.00000506 | 0.00275 | 0.000246 | 0.00506 | 0.00829 | 0.0000101 | 3.89 | 0.00000275 | 0.0000506 | 0.0000669 | 0.00026 | 0.00727 |
| 2064 Dec | 24.9 | 0.00823 | 0.00341 | 0.000506 | 4.74 | 0.0316 | 3.64 | 0.00000506 | 0.00275 | 0.000246 | 0.00506 | 0.00829 | 0.0000101 | 3.89 | 0.00000275 | 0.0000506 | 0.0000669 | 0.00026 | 0.00727 |
| 2065 Jan | 24.9 | 0.00823 | 0.00341 | 0.000506 | 4.74 | 0.0316 | 3.64 | 0.00000506 | 0.00275 | 0.000246 | 0.00506 | 0.00829 | 0.0000101 | 3.89 | 0.00000275 | 0.0000506 | 0.0000669 | 0.00026 | 0.00727 |
| 2065 Feb | 24.9 | 0.00823 | 0.00341 | 0.000506 | 4.74 | 0.0316 | 3.64 | 0.00000506 | 0.00275 | 0.000246 | 0.00506 | 0.00829 | 0.0000101 | 3.89 | 0.00000275 | 0.0000506 | 0.0000669 | 0.00026 | 0.00727 |
| 2065 Mar | 24.9 | 0.00823 | 0.00341 | 0.000506 | 4.74 | 0.0316 | 3.64 | 0.00000506 | 0.00275 | 0.000246 | 0.00506 | 0.0083 | 0.0000101 | 3.89 | 0.00000275 | 0.0000506 | 0.000067 | 0.00026 | 0.00727 |
| 2065 Apr | 24.9 | 0.00823 | 0.00341 | 0.000506 | 4.75 | 0.0316 | 3.65 | 0.00000506 | 0.00275 | 0.000246 | 0.00506 | 0.0083 | 0.0000101 | 3.89 | 0.00000275 | 0.0000506 | 0.000067 | 0.00026 | 0.00728 |
| 2065 May | 24.9 | 0.00826 | 0.00339 | 0.000507 | 4.72 | 0.0316 | 3.65 | 0.00000507 | 0.00274 | 0.000246 | 0.00507 | 0.00831 | 0.0000101 | 3.89 | 0.00000275 | 0.0000507 | 0.0000666 | 0.00026 | 0.00722 |

**Appendix D21. Lake A18**

| Constituents | Total Dissolved Solids | Ammonia | Nitrate | Nitrite | Chloride | Fluoride | Sulphate | Silver | Aluminum | Arsenic | Boron | Barium | Beryllium | Calcium | Cadmium | Cobalt | Chromium | Copper | Iron |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Jun | 25.3 | 0.00852 | 0.00349 | 0.000501 | 4.82 | 0.0319 | 3.7 | 0.00000501 | 0.0025 | 0.000247 | 0.00501 | 0.00848 | 0.00001 | 3.94 | 0.00000267 | 0.0000501 | 0.0000666 | 0.000256 | 0.00666 |
| 2065 Jul | 25.6 | 0.00863 | 0.00357 | 0.000505 | 4.91 | 0.0323 | 3.74 | 0.00000505 | 0.0025 | 0.000251 | 0.00505 | 0.00861 | 0.0000101 | 3.99 | 0.00000268 | 0.0000505 | 0.000068 | 0.000258 | 0.0067 |
| 2065 Aug | 25.7 | 0.00858 | 0.00357 | 0.000509 | 4.93 | 0.0325 | 3.75 | 0.00000509 | 0.00256 | 0.000252 | 0.00509 | 0.00863 | 0.0000102 | 4.01 | 0.0000027 | 0.0000509 | 0.0000686 | 0.000259 | 0.00688 |
| 2065 Sep | 25.5 | 0.00855 | 0.00354 | 0.000509 | 4.9 | 0.0323 | 3.73 | 0.00000509 | 0.0026 | 0.000251 | 0.00509 | 0.00855 | 0.0000102 | 3.98 | 0.00000269 | 0.0000509 | 0.0000681 | 0.000259 | 0.00704 |
| 2065 Oct | 25.2 | 0.0083 | 0.00351 | 0.000505 | 4.85 | 0.0319 | 3.68 | 0.00000505 | 0.00275 | 0.000249 | 0.00505 | 0.00837 | 0.0000101 | 3.94 | 0.00000283 | 0.0000505 | 0.0000686 | 0.000263 | 0.0072 |
| 2065 Nov | 25.2 | 0.00822 | 0.00352 | 0.000505 | 4.86 | 0.032 | 3.68 | 0.00000505 | 0.0028 | 0.000249 | 0.00505 | 0.00835 | 0.0000101 | 3.93 | 0.00000288 | 0.0000505 | 0.000069 | 0.000264 | 0.00721 |
| 2065 Dec | 25.2 | 0.00822 | 0.00352 | 0.000505 | 4.86 | 0.032 | 3.68 | 0.00000505 | 0.0028 | 0.000249 | 0.00505 | 0.00835 | 0.0000101 | 3.93 | 0.00000288 | 0.0000505 | 0.000069 | 0.000264 | 0.00721 |
| 2066 Jan | 25.2 | 0.00822 | 0.00352 | 0.000505 | 4.86 | 0.032 | 3.68 | 0.00000505 | 0.0028 | 0.000249 | 0.00505 | 0.00835 | 0.0000101 | 3.93 | 0.00000288 | 0.0000505 | 0.000069 | 0.000264 | 0.00721 |
| 2066 Feb | 25.2 | 0.00822 | 0.00352 | 0.000505 | 4.86 | 0.032 | 3.68 | 0.00000505 | 0.0028 | 0.000249 | 0.00505 | 0.00835 | 0.0000101 | 3.93 | 0.00000288 | 0.0000505 | 0.000069 | 0.000264 | 0.00721 |
| 2066 Mar | 25.2 | 0.00822 | 0.00352 | 0.000505 | 4.86 | 0.032 | 3.68 | 0.00000505 | 0.0028 | 0.000249 | 0.00505 | 0.00836 | 0.0000101 | 3.94 | 0.00000288 | 0.0000505 | 0.000069 | 0.000264 | 0.00721 |
| 2066 Apr | 25.2 | 0.00822 | 0.00352 | 0.000505 | 4.86 | 0.032 | 3.68 | 0.00000505 | 0.0028 | 0.000249 | 0.00505 | 0.00836 | 0.0000101 | 3.94 | 0.00000288 | 0.0000505 | 0.000069 | 0.000264 | 0.00721 |
| 2066 May | 25.2 | 0.00824 | 0.00351 | 0.000506 | 4.84 | 0.032 | 3.68 | 0.00000506 | 0.00279 | 0.000249 | 0.00506 | 0.00836 | 0.0000101 | 3.93 | 0.00000288 | 0.0000506 | 0.0000688 | 0.000264 | 0.00719 |
| 2066 Jun | 25.1 | 0.00836 | 0.0034 | 0.000502 | 4.71 | 0.0317 | 3.68 | 0.00000502 | 0.00262 | 0.000245 | 0.00502 | 0.00835 | 0.00001 | 3.89 | 0.00000278 | 0.0000502 | 0.0000661 | 0.00026 | 0.00667 |
| 2066 Jul | 25.5 | 0.00847 | 0.00347 | 0.000509 | 4.81 | 0.0323 | 3.74 | 0.00000509 | 0.00266 | 0.000249 | 0.00509 | 0.0085 | 0.0000102 | 3.96 | 0.00000281 | 0.0000509 | 0.0000677 | 0.000263 | 0.00681 |
| 2066 Aug | 25.4 | 0.00836 | 0.00347 | 0.000512 | 4.81 | 0.0323 | 3.73 | 0.00000512 | 0.00273 | 0.00025 | 0.00512 | 0.00849 | 0.0000102 | 3.96 | 0.00000282 | 0.0000512 | 0.0000679 | 0.000265 | 0.00703 |
| 2066 Sep | 25.3 | 0.00834 | 0.00344 | 0.000512 | 4.78 | 0.0321 | 3.71 | 0.00000512 | 0.00277 | 0.000249 | 0.00512 | 0.00841 | 0.0000102 | 3.94 | 0.00000281 | 0.0000512 | 0.0000674 | 0.000264 | 0.0072 |
| 2066 Oct | 25 | 0.00825 | 0.00341 | 0.00051 | 4.74 | 0.0318 | 3.67 | 0.0000051 | 0.00286 | 0.000247 | 0.0051 | 0.00828 | 0.0000102 | 3.9 | 0.00000287 | 0.000051 | 0.0000673 | 0.000265 | 0.00737 |
| 2066 Nov | 25 | 0.00814 | 0.00342 | 0.00051 | 4.75 | 0.0318 | 3.67 | 0.0000051 | 0.00291 | 0.000247 | 0.0051 | 0.00826 | 0.0000102 | 3.9 | 0.00000294 | 0.000051 | 0.0000679 | 0.000268 | 0.00738 |
| 2066 Dec | 25 | 0.00814 | 0.00342 | 0.00051 | 4.75 | 0.0318 | 3.67 | 0.0000051 | 0.00291 | 0.000247 | 0.0051 | 0.00826 | 0.0000102 | 3.9 | 0.00000294 | 0.000051 | 0.0000679 | 0.000268 | 0.00738 |
| 2067 Jan | 25 | 0.00814 | 0.00342 | 0.00051 | 4.75 | 0.0318 | 3.67 | 0.0000051 | 0.00291 | 0.000247 | 0.0051 | 0.00826 | 0.0000102 | 3.9 | 0.00000294 | 0.000051 | 0.0000679 | 0.000268 | 0.00738 |
| 2067 Feb | 25 | 0.00814 | 0.00342 | 0.00051 | 4.75 | 0.0318 | 3.67 | 0.0000051 | 0.00291 | 0.000247 | 0.0051 | 0.00826 | 0.0000102 | 3.9 | 0.00000294 | 0.000051 | 0.0000679 | 0.000268 | 0.00738 |
| 2067 Mar | 25 | 0.00814 | 0.00342 | 0.00051 | 4.75 | 0.0318 | 3.67 | 0.0000051 | 0.00291 | 0.000247 | 0.0051 | 0.00826 | 0.0000102 | 3.9 | 0.00000294 | 0.000051 | 0.0000679 | 0.000268 | 0.00738 |
| 2067 Apr | 25 | 0.00815 | 0.00342 | 0.00051 | 4.75 | 0.0318 | 3.67 | 0.0000051 | 0.00291 | 0.000248 | 0.0051 | 0.00826 | 0.0000102 | 3.9 | 0.00000294 | 0.000051 | 0.0000679 | 0.000268 | 0.00738 |
| 2067 May | 25 | 0.00819 | 0.00339 | 0.000511 | 4.72 | 0.0318 | 3.68 | 0.00000511 | 0.00289 | 0.000247 | 0.00511 | 0.00827 | 0.0000102 | 3.9 | 0.00000293 | 0.0000511 | 0.0000673 | 0.000268 | 0.00729 |
| 2067 Jun | 24.9 | 0.00828 | 0.00332 | 0.000506 | 4.62 | 0.0316 | 3.67 | 0.00000506 | 0.00273 | 0.000244 | 0.00506 | 0.00827 | 0.0000101 | 3.86 | 0.00000283 | 0.0000506 | 0.0000652 | 0.000263 | 0.00684 |
| 2067 Jul | 25.2 | 0.00834 | 0.00337 | 0.000512 | 4.69 | 0.032 | 3.71 | 0.00000512 | 0.00277 | 0.000247 | 0.00512 | 0.00838 | 0.0000102 | 3.91 | 0.00000286 | 0.0000512 | 0.0000666 | 0.000266 | 0.007 |
| 2067 Aug | 24.7 | 0.00791 | 0.00331 | 0.000512 | 4.63 | 0.0315 | 3.63 | 0.00000512 | 0.00293 | 0.000245 | 0.00512 | 0.00824 | 0.0000102 | 3.85 | 0.00000283 | 0.0000512 | 0.0000679 | 0.000265 | 0.00753 |
| 2067 Sep | 24.7 | 0.00787 | 0.0033 | 0.000513 | 4.63 | 0.0315 | 3.62 | 0.00000513 | 0.00297 | 0.000245 | 0.00513 | 0.00821 | 0.0000103 | 3.85 | 0.00000284 | 0.0000513 | 0.0000678 | 0.000265 | 0.00765 |
| 2067 Oct | 24.6 | 0.00779 | 0.0033 | 0.000512 | 4.62 | 0.0314 | 3.61 | 0.00000512 | 0.00302 | 0.000244 | 0.00512 | 0.00817 | 0.0000102 | 3.84 | 0.00000289 | 0.0000512 | 0.000068 | 0.000267 | 0.00769 |
| 2067 Nov | 24.6 | 0.00777 | 0.00331 | 0.000512 | 4.63 | 0.0315 | 3.61 | 0.00000512 | 0.00303 | 0.000245 | 0.00512 | 0.00817 | 0.0000102 | 3.84 | 0.0000029 | 0.0000512 | 0.0000682 | 0.000267 | 0.00769 |
| 2067 Dec | 24.6 | 0.00777 | 0.00331 | 0.000512 | 4.63 | 0.0315 | 3.61 | 0.00000512 | 0.00303 | 0.000245 | 0.00512 | 0.00817 | 0.0000102 | 3.84 | 0.0000029 | 0.0000512 | 0.0000682 | 0.000267 | 0.00769 |
| 2068 Jan | 24.6 | 0.00778 | 0.00331 | 0.000512 | 4.63 | 0.0315 | 3.61 | 0.00000512 | 0.00303 | 0.000245 | 0.00512 | 0.00817 | 0.0000102 | 3.84 | 0.0000029 | 0.0000512 | 0.0000682 | 0.000267 | 0.00769 |
| 2068 Feb | 24.6 | 0.00778 | 0.00331 | 0.000512 | 4.63 | 0.0315 | 3.61 | 0.00000512 | 0.00303 | 0.000245 | 0.00512 | 0.00817 | 0.0000102 | 3.84 | 0.0000029 | 0.0000512 | 0.0000682 | 0.000267 | 0.00769 |
| 2068 Mar | 24.6 | 0.00778 | 0.00331 | 0.000512 | 4.63 | 0.0315 | 3.61 | 0.00000512 | 0.00303 | 0.000245 | 0.00512 | 0.00817 | 0.0000102 | 3.84 | 0.0000029 | 0.0000512 | 0.0000682 | 0.000267 | 0.00769 |
| 2068 Apr | 24.6 | 0.00778 | 0.00331 | 0.000513 | 4.63 | 0.0315 | 3.62 | 0.00000513 | 0.00303 | 0.000245 | 0.00513 | 0.00818 | 0.0000103 | 3.85 | 0.0000029 | 0.0000513 | 0.0000683 | 0.000268 | 0.0077 |
| 2068 May | 24.6 | 0.00783 | 0.00327 | 0.000513 | 4.58 | 0.0314 | 3.62 | 0.00000513 | 0.00299 | 0.000244 | 0.00513 | 0.00817 | 0.0000103 | 3.83 | 0.00000288 | 0.0000513 | 0.0000673 | 0.000267 | 0.00756 |
| 2068 Jun | 24.4 | 0.008 | 0.00318 | 0.000503 | 4.46 | 0.0311 | 3.61 | 0.00000503 | 0.00274 | 0.000239 | 0.00503 | 0.00814 | 0.0000101 | 3.78 | 0.00000275 | 0.0000503 | 0.000064 | 0.000259 | 0.00684 |
| 2068 Jul | 24.8 | 0.00813 | 0.00325 | 0.000508 | 4.55 | 0.0315 | 3.66 | 0.00000508 | 0.00275 | 0.000242 | 0.00508 | 0.00828 | 0.0000102 | 3.84 | 0.00000277 | 0.0000508 | 0.0000653 | 0.000262 | 0.0069 |
| 2068 Aug | 24.9 | 0.00812 | 0.00327 | 0.000513 | 4.58 | 0.0317 | 3.68 | 0.00000513 | 0.00281 | 0.000244 | 0.00513 | 0.00833 | 0.0000103 | 3.86 | 0.0000028 | 0.0000513 | 0.0000659 | 0.000264 | 0.00708 |
| 2068 Sep | 24.8 | 0.00807 | 0.00325 | 0.000514 | 4.57 | 0.0316 | 3.66 | 0.00000514 | 0.00285 | 0.000244 | 0.00514 | 0.00827 | 0.0000103 | 3.85 | 0.00000279 | 0.0000514 | 0.0000655 | 0.000264 | 0.00724 |
| 2068 Oct | 24.8 | 0.00809 | 0.00325 | 0.000514 | 4.57 | 0.0316 | 3.66 | 0.00000514 | 0.00286 | 0.000244 | 0.00514 | 0.00826 | 0.0000103 | 3.85 | 0.0000028 | 0.0000514 | 0.0000655 | 0.000264 | 0.00728 |
| 2068 Nov | 24.8 | 0.00809 | 0.00325 | 0.000515 | 4.57 | 0.0316 | 3.66 | 0.00000515 | 0.00286 | 0.000244 | 0.00515 | 0.00827 | 0.0000103 | 3.85 | 0.0000028 | 0.0000515 | 0.0000655 | 0.000265 | 0.00728 |
| 2068 Dec | 24.8 | 0.00809 | 0.00325 | 0.000515 | 4.57 | 0.0316 | 3.66 | 0.00000515 | 0.00286 | 0.000244 | 0.00515 | 0.00827 | 0.0000103 | 3.85 | 0.0000028 | 0.0000515 | 0.0000655 | 0.000265 | 0.00728 |
| 2069 Jan | 24.8 | 0.00809 | 0.00325 | 0.000515 | 4.57 | 0.0316 | 3.66 | 0.00000515 | 0.00286 | 0.000244 | 0.00515 | 0.00827 | 0.0000103 | 3.85 | 0.0000028 | 0.0000515 | 0.0000655 | 0.000265 | 0.00728 |
| 2069 Feb | 24.8 | 0.00809 | 0.00325 | 0.000515 | 4.57 | 0.0316 | 3.66 | 0.00000515 | 0.00286 | 0.000244 | 0.00515 | 0.00827 | 0.0000103 | 3.85 | 0.0000028 | 0.0000515 | 0.0000655 | 0.000265 | 0.00728 |
| 2069 Mar | 24.8 | 0.00809 | 0.00325 | 0.000515 | 4.57 | 0.0316 | 3.66 | 0.00000515 | 0.00286 | 0.000244 | 0.00515 | 0.00827 | 0.0000103 | 3.85 | 0.0000028 | 0.0000515 | 0.0000655 | 0.000265 | 0.00728 |
| 2069 Apr | 24.8 | 0.00809 | 0.00325 | 0.000515 | 4.57 | 0.0316 | 3.66 | 0.00000515 | 0.00286 | 0.000244 | 0.00515 | 0.00827 | 0.0000103 | 3.85 | 0.0000028 | 0.0000515 | 0.0000655 | 0.000265 | 0.00728 |
| 2069 May | 24.9 | 0.00812 | 0.00326 | 0.000516 | 4.58 | 0.0317 | 3.67 | 0.00000516 | 0.00287 | 0.000245 | 0.00516 | 0.00829 | 0.0000103 | 3.86 | 0.00000281 | 0.0000516 | 0.0000657 | 0.000265 | 0.00729 |
| 2069 Jun | 25.4 | 0.0084 | 0.00341 | 0.000513 | 4.74 | 0.0322 | 3.73 | 0.00000513 | 0.00268 | 0.000249 | 0.00513 | 0.0085 | 0.0000103 | 3.94 | 0.00000276 | 0.0000513 | 0.0000667 | 0.000263 | 0.00693 |
| 2069 Jul | 25.8 | 0.00853 | 0.00349 | 0.000519 | 4.84 | 0.0327 | 3.78 | 0.00000519 | 0.00269 | 0.000253 | 0.00519 | 0.00864 | 0.0000104 | 4.01 | 0.00000278 | 0.0000519 | 0.0000681 | 0.000266 | 0.007 |
| 2069 Aug | 25.7 | 0.00837 | 0.00347 | 0.000522 | 4.84 | 0.0326 | 3.77 | 0.00000522 | 0.00277 | 0.000253 | 0.00522 | 0.0086 | 0.0000104 | 4 | 0.00000279 | 0.0000522 | 0.0000681 | 0.000267 | 0.00725 |
| 2069 Sep | 25.3 | 0.00814 | 0.00341 | 0.000519 | 4.77 | 0.0321 | 3.7 | 0.00000519 | 0.00286 | 0.00025 | 0.00519 | 0.00842 | 0.0000104 | 3.94 | 0.00000276 | 0.0000519 | 0.0000669 | 0.000265 | 0.00755 |
| 2069 Oct | 25.2 | 0.00815 | 0.00339 | 0.000519 | 4.75 | 0.032 | 3.68 | 0.00000519 | 0.00287 | 0.000249 | 0.00519 | 0.00838 | 0.0000104 | 3.93 | 0.00000276 | 0.0000519 | 0.0000666 | 0.000265 | 0.00762 |
| 2069 Nov | 25.2 | 0.00815 | 0.00339 | 0.000519 | 4.75 | 0.032 | 3.69 | 0.00000519 | 0.00288 | 0.00025 | 0.00519 | 0.00838 | 0.0000104 | 3.93 | 0.00000277 | 0.0000519 | 0.0000667 | 0.000265 | 0.00762 |
| 2069 Dec | 25.2 | 0.00815 | 0.00339 | 0.000519 | 4.75 | 0.032 | 3.69 | 0.00000519 | 0.00288 | 0.00025 | 0.00519 | 0.00838 | 0.0000104 | 3.93 | 0.00000277 | 0.0000519 | 0.0000667 | 0.000265 | 0.00762 |

**Appendix D21. Lake A18**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | Bq/L |
| Active Closure (Jul., 2028 to Jun., 2046): Min | 0.00000253 | 0.858 | 0.000514 | 1.32 | 0.000884 | 0.0000285 | 0.81 | 0.000636 | 0.00147 | 0.0000375 | 0.0000522 | 0.0000262 | 0.02 | 0.00000505 | 0.0000161 | 0.000254 | 0.00154 | 0.00000502 |
| Active Closure (Jul., 2028 to Jun., 2046): Average | 0.00000284 | 1.24 | 0.001 | 1.67 | 0.0144 | 0.000256 | 1.06 | 0.00124 | 0.0025 | 0.0000716 | 0.000107 | 0.0000486 | 0.0379 | 0.00000547 | 0.0000749 | 0.000352 | 0.0017 | 0.00061 |
| Active Closure (Jul., 2028 to Jun., 2046): Max | 0.00000422 | 3.06 | 0.00356 | 3.25 | 0.085 | 0.00145 | 2.25 | 0.00429 | 0.00758 | 0.000112 | 0.000383 | 0.000164 | 0.129 | 0.00000718 | 0.000383 | 0.000845 | 0.00218 | 0.00379 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Post Closure (Jul., 2046 to Dec., 2069): Min | 0.00000246 | 0.799 | 0.000492 | 1.23 | 0.000712 | 0.0000252 | 0.764 | 0.000591 | 0.00121 | 0.0000378 | 0.0000512 | 0.0000253 | 0.0183 | 0.00000492 | 0.000015 | 0.000246 | 0.00153 | 1.68E-10 |
| Post Closure (Jul., 2046 to Dec., 2069): Average | 0.00000254 | 0.875 | 0.000508 | 1.35 | 0.000826 | 0.0000263 | 0.826 | 0.000643 | 0.00149 | 0.0000666 | 0.0000528 | 0.0000261 | 0.0202 | 0.00000508 | 0.0000156 | 0.000254 | 0.00158 | 0.000000472 |
| Post Closure (Jul., 2046 to Dec., 2069): Max | 0.00000261 | 0.94 | 0.000522 | 1.44 | 0.000921 | 0.0000282 | 0.878 | 0.000681 | 0.00176 | 0.0000972 | 0.0000542 | 0.0000269 | 0.0219 | 0.00000522 | 0.0000161 | 0.000261 | 0.00162 | 0.00000432 |
| ***CCME/SSWQO (Receiving Environment)*** | ***0.000026*** | **-** | **-** | **-** | ***variable*** | ***0.073*** | **-** | ***variable*** | ***0.01*** | ***0.001*** | **-** | ***0.001*** | **-** | ***0.0008*** | ***0.015*** | **-** | ***variable*** | **-** |
| | | | | | | | | | | | | | | | | | | |
| Model Predictions (Jul 2028-Dec 2069) | | | | | | | | | | | | | | | | | | |
| 2028 Jul | | | | | | | | | | | | | | | | | | |
| 2028 Aug | | | | | | | | | | | | | | | | | | |
| 2028 Sep | 0.00000422 | 3.06 | 0.00356 | 3.25 | 0.085 | 0.00145 | 2.25 | 0.00429 | 0.00758 | 0.0000683 | 0.000383 | 0.000164 | 0.129 | 0.00000718 | 0.000383 | 0.000845 | 0.00218 | 0.00379 |
| 2028 Oct | 0.00000414 | 2.96 | 0.00343 | 3.16 | 0.0816 | 0.00139 | 2.19 | 0.00413 | 0.00731 | 0.0000757 | 0.00037 | 0.000159 | 0.124 | 0.00000708 | 0.000368 | 0.00082 | 0.00216 | 0.00363 |
| 2028 Nov | 0.00000413 | 2.94 | 0.0034 | 3.15 | 0.0809 | 0.00138 | 2.18 | 0.0041 | 0.00726 | 0.000082 | 0.000367 | 0.000158 | 0.123 | 0.00000707 | 0.000365 | 0.000815 | 0.00216 | 0.0036 |
| 2028 Dec | 0.00000413 | 2.94 | 0.0034 | 3.15 | 0.0808 | 0.00138 | 2.17 | 0.0041 | 0.00725 | 0.000082 | 0.000367 | 0.000157 | 0.123 | 0.00000707 | 0.000365 | 0.000815 | 0.00216 | 0.0036 |
| 2029 Jan | 0.00000413 | 2.94 | 0.0034 | 3.15 | 0.0808 | 0.00138 | 2.17 | 0.0041 | 0.00725 | 0.000082 | 0.000367 | 0.000157 | 0.123 | 0.00000707 | 0.000365 | 0.000815 | 0.00216 | 0.0036 |
| 2029 Feb | 0.00000413 | 2.94 | 0.0034 | 3.15 | 0.0808 | 0.00138 | 2.17 | 0.0041 | 0.00725 | 0.000082 | 0.000367 | 0.000157 | 0.123 | 0.00000707 | 0.000365 | 0.000815 | 0.00216 | 0.0036 |
| 2029 Mar | 0.00000413 | 2.94 | 0.0034 | 3.15 | 0.0808 | 0.00138 | 2.17 | 0.0041 | 0.00725 | 0.000082 | 0.000367 | 0.000157 | 0.123 | 0.00000707 | 0.000365 | 0.000815 | 0.00216 | 0.0036 |
| 2029 Apr | 0.00000413 | 2.94 | 0.0034 | 3.15 | 0.0808 | 0.00138 | 2.17 | 0.0041 | 0.00725 | 0.000082 | 0.000367 | 0.000157 | 0.123 | 0.00000707 | 0.000365 | 0.000815 | 0.00216 | 0.0036 |
| 2029 May | 0.00000413 | 2.95 | 0.00341 | 3.15 | 0.0809 | 0.00138 | 2.18 | 0.00411 | 0.00726 | 0.0000821 | 0.000368 | 0.000158 | 0.124 | 0.00000707 | 0.000365 | 0.000816 | 0.00216 | 0.0036 |
| 2029 Jun | 0.00000395 | 2.73 | 0.00308 | 2.97 | 0.072 | 0.00123 | 2.04 | 0.00373 | 0.00668 | 0.0000757 | 0.000332 | 0.000143 | 0.112 | 0.00000684 | 0.000326 | 0.000753 | 0.00209 | 0.0032 |
| 2029 Jul | 0.00000371 | 2.44 | 0.00266 | 2.73 | 0.0602 | 0.00103 | 1.86 | 0.00323 | 0.00591 | 0.0000674 | 0.000286 | 0.000123 | 0.0977 | 0.00000654 | 0.000275 | 0.00067 | 0.00199 | 0.00267 |
| 2029 Aug | 0.00000368 | 2.38 | 0.00258 | 2.68 | 0.0581 | 0.000994 | 1.81 | 0.00314 | 0.00574 | 0.000066 | 0.000278 | 0.00012 | 0.0948 | 0.00000652 | 0.000266 | 0.000656 | 0.00198 | 0.00258 |
| 2029 Sep | 0.00000364 | 2.32 | 0.00251 | 2.61 | 0.056 | 0.000959 | 1.77 | 0.00304 | 0.00556 | 0.0000645 | 0.000269 | 0.000117 | 0.0919 | 0.00000647 | 0.000256 | 0.000642 | 0.00197 | 0.00248 |
| 2029 Oct | 0.00000363 | 2.3 | 0.00248 | 2.6 | 0.0553 | 0.000947 | 1.76 | 0.003 | 0.00551 | 0.0000648 | 0.000267 | 0.000116 | 0.0909 | 0.00000645 | 0.000253 | 0.000637 | 0.00196 | 0.00245 |
| 2029 Nov | 0.00000363 | 2.3 | 0.00248 | 2.6 | 0.0553 | 0.000946 | 1.76 | 0.003 | 0.0055 | 0.0000654 | 0.000266 | 0.000116 | 0.0909 | 0.00000645 | 0.000253 | 0.000637 | 0.00197 | 0.00245 |
| 2029 Dec | 0.00000363 | 2.3 | 0.00248 | 2.6 | 0.0553 | 0.000946 | 1.76 | 0.003 | 0.0055 | 0.0000654 | 0.000266 | 0.000116 | 0.0909 | 0.00000645 | 0.000253 | 0.000637 | 0.00197 | 0.00245 |
| 2030 Jan | 0.00000363 | 2.3 | 0.00248 | 2.59 | 0.0553 | 0.000946 | 1.76 | 0.003 | 0.0055 | 0.0000654 | 0.000266 | 0.000116 | 0.0909 | 0.00000645 | 0.000253 | 0.000637 | 0.00197 | 0.00245 |
| 2030 Feb | 0.00000363 | 2.3 | 0.00248 | 2.59 | 0.0553 | 0.000946 | 1.76 | 0.003 | 0.0055 | 0.0000654 | 0.000266 | 0.000116 | 0.0909 | 0.00000645 | 0.000253 | 0.000637 | 0.00197 | 0.00245 |
| 2030 Mar | 0.00000363 | 2.3 | 0.00248 | 2.59 | 0.0553 | 0.000946 | 1.76 | 0.003 | 0.0055 | 0.0000654 | 0.000266 | 0.000116 | 0.0909 | 0.00000645 | 0.000253 | 0.000637 | 0.00197 | 0.00245 |
| 2030 Apr | 0.00000363 | 2.3 | 0.00248 | 2.6 | 0.0553 | 0.000946 | 1.76 | 0.003 | 0.0055 | 0.0000654 | 0.000266 | 0.000116 | 0.0909 | 0.00000646 | 0.000253 | 0.000637 | 0.00197 | 0.00245 |
| 2030 May | 0.00000364 | 2.3 | 0.00248 | 2.6 | 0.0554 | 0.000948 | 1.76 | 0.00301 | 0.00552 | 0.0000655 | 0.000267 | 0.000116 | 0.0911 | 0.00000647 | 0.000254 | 0.000638 | 0.00197 | 0.00245 |
| 2030 Jun | 0.00000347 | 2.11 | 0.00219 | 2.44 | 0.0472 | 0.00081 | 1.64 | 0.00266 | 0.00499 | 0.0000594 | 0.000234 | 0.000102 | 0.0809 | 0.00000624 | 0.000218 | 0.00058 | 0.0019 | 0.00209 |
| 2030 Jul | 0.00000339 | 2 | 0.00204 | 2.35 | 0.0431 | 0.00074 | 1.57 | 0.00249 | 0.00471 | 0.0000564 | 0.000218 | 0.0000954 | 0.0757 | 0.00000614 | 0.0002 | 0.000551 | 0.00187 | 0.0019 |
| 2030 Aug | 0.00000336 | 1.95 | 0.00198 | 2.3 | 0.0414 | 0.000711 | 1.53 | 0.00242 | 0.00456 | 0.0000553 | 0.000212 | 0.0000927 | 0.0733 | 0.00000612 | 0.000193 | 0.00054 | 0.00186 | 0.00182 |
| 2030 Sep | 0.00000335 | 1.93 | 0.00195 | 2.28 | 0.0407 | 0.000699 | 1.52 | 0.00238 | 0.0045 | 0.0000548 | 0.000209 | 0.0000915 | 0.0723 | 0.00000611 | 0.000189 | 0.000535 | 0.00186 | 0.00179 |
| 2030 Oct | 0.00000332 | 1.89 | 0.0019 | 2.24 | 0.0394 | 0.000677 | 1.49 | 0.00232 | 0.00438 | 0.0000729 | 0.000204 | 0.0000893 | 0.0705 | 0.00000607 | 0.000184 | 0.000525 | 0.00187 | 0.00173 |
| 2030 Nov | 0.0000033 | 1.87 | 0.00187 | 2.22 | 0.0385 | 0.000662 | 1.47 | 0.00228 | 0.00431 | 0.0000871 | 0.000201 | 0.0000879 | 0.0694 | 0.00000603 | 0.00018 | 0.000519 | 0.00188 | 0.00169 |
| 2030 Dec | 0.0000033 | 1.87 | 0.00187 | 2.22 | 0.0385 | 0.000662 | 1.47 | 0.00228 | 0.00431 | 0.0000871 | 0.000201 | 0.0000878 | 0.0694 | 0.00000603 | 0.00018 | 0.000519 | 0.00188 | 0.00169 |
| 2031 Jan | 0.0000033 | 1.87 | 0.00187 | 2.22 | 0.0385 | 0.000662 | 1.47 | 0.00228 | 0.0043 | 0.0000871 | 0.000201 | 0.0000878 | 0.0693 | 0.00000603 | 0.00018 | 0.000519 | 0.00188 | 0.00169 |
| 2031 Feb | 0.0000033 | 1.87 | 0.00187 | 2.22 | 0.0385 | 0.000662 | 1.47 | 0.00228 | 0.0043 | 0.0000871 | 0.000201 | 0.0000878 | 0.0693 | 0.00000603 | 0.00018 | 0.000519 | 0.00188 | 0.00169 |
| 2031 Mar | 0.0000033 | 1.87 | 0.00187 | 2.22 | 0.0385 | 0.000662 | 1.47 | 0.00228 | 0.0043 | 0.0000871 | 0.000201 | 0.0000878 | 0.0693 | 0.00000603 | 0.00018 | 0.000519 | 0.00188 | 0.00169 |
| 2031 Apr | 0.0000033 | 1.87 | 0.00187 | 2.22 | 0.0385 | 0.000662 | 1.47 | 0.00228 | 0.00431 | 0.0000872 | 0.000202 | 0.0000879 | 0.0694 | 0.00000604 | 0.00018 | 0.000519 | 0.00188 | 0.00169 |
| 2031 May | 0.00000329 | 1.85 | 0.00185 | 2.21 | 0.038 | 0.000653 | 1.46 | 0.00226 | 0.00426 | 0.0000863 | 0.000199 | 0.000087 | 0.0687 | 0.00000604 | 0.000178 | 0.000516 | 0.00188 | 0.00167 |
| 2031 Jun | 0.00000316 | 1.7 | 0.00164 | 2.07 | 0.032 | 0.000552 | 1.36 | 0.00201 | 0.00379 | 0.0000765 | 0.000175 | 0.000077 | 0.0607 | 0.00000587 | 0.000151 | 0.000473 | 0.00182 | 0.0014 |
| 2031 Jul | 0.00000319 | 1.7 | 0.00163 | 2.08 | 0.0316 | 0.000546 | 1.37 | 0.002 | 0.00379 | 0.0000762 | 0.000175 | 0.0000768 | 0.0605 | 0.00000592 | 0.00015 | 0.000473 | 0.00183 | 0.00138 |
| 2031 Aug | 0.00000319 | 1.69 | 0.00161 | 2.07 | 0.0311 | 0.000538 | 1.36 | 0.00198 | 0.00375 | 0.0000755 | 0.000173 | 0.0000761 | 0.0599 | 0.00000593 | 0.000148 | 0.000471 | 0.00183 | 0.00136 |
| 2031 Sep | 0.00000314 | 1.61 | 0.00154 | 1.99 | 0.0291 | 0.000504 | 1.31 | 0.00187 | 0.00357 | 0.0000721 | 0.000164 | 0.0000727 | 0.0569 | 0.00000585 | 0.000139 | 0.000456 | 0.00181 | 0.00127 |
| 2031 Oct | 0.0000031 | 1.58 | 0.00149 | 1.96 | 0.0279 | 0.000482 | 1.28 | 0.00181 | 0.00345 | 0.0000936 | 0.00016 | 0.0000706 | 0.0552 | 0.00000581 | 0.000134 | 0.000446 | 0.00182 | 0.00121 |
| 2031 Nov | 0.0000031 | 1.57 | 0.00148 | 1.95 | 0.0277 | 0.000479 | 1.28 | 0.0018 | 0.00343 | 0.0000984 | 0.00016 | 0.0000703 | 0.0549 | 0.0000058 | 0.000133 | 0.000445 | 0.00183 | 0.0012 |
| 2031 Dec | 0.0000031 | 1.57 | 0.00148 | 1.95 | 0.0277 | 0.000479 | 1.28 | 0.0018 | 0.00343 | 0.0000984 | 0.00016 | 0.0000703 | 0.0549 | 0.0000058 | 0.000133 | 0.000445 | 0.00183 | 0.0012 |
| 2032 Jan | 0.0000031 | 1.57 | 0.00148 | 1.95 | 0.0277 | 0.000479 | 1.28 | 0.0018 | 0.00343 | 0.0000984 | 0.00016 | 0.0000703 | 0.0549 | 0.0000058 | 0.000133 | 0.000444 | 0.00183 | 0.0012 |
| 2032 Feb | 0.0000031 | 1.57 | 0.00148 | 1.95 | 0.0277 | 0.000479 | 1.28 | 0.0018 | 0.00343 | 0.0000984 | 0.00016 | 0.0000703 | 0.0549 | 0.0000058 | 0.000133 | 0.000444 | 0.00183 | 0.0012 |
| 2032 Mar | 0.0000031 | 1.57 | 0.00148 | 1.95 | 0.0277 | 0.000479 | 1.28 | 0.0018 | 0.00343 | 0.0000984 | 0.00016 | 0.0000702 | 0.0549 | 0.0000058 | 0.000133 | 0.000444 | 0.00183 | 0.0012 |
| 2032 Apr | 0.0000031 | 1.57 | 0.00148 | 1.95 | 0.0277 | 0.000479 | 1.28 | 0.0018 | 0.00343 | 0.0000984 | 0.00016 | 0.0000703 | 0.0549 | 0.0000058 | 0.000133 | 0.000445 | 0.00183 | 0.0012 |
| 2032 May | 0.00000311 | 1.57 | 0.00148 | 1.96 | 0.0277 | 0.00048 | 1.28 | 0.00181 | 0.00344 | 0.0000985 | 0.00016 | 0.0000704 | 0.055 | 0.00000581 | 0.000133 | 0.000445 | 0.00183 | 0.00121 |
| 2032 Jun | 0.000003 | 1.48 | 0.00132 | 1.89 | 0.0231 | 0.000402 | 1.22 | 0.00162 | 0.0032 | 0.000086 | 0.000141 | 0.0000626 | 0.0496 | 0.00000566 | 0.000113 | 0.000411 | 0.00177 | 0.001 |
| 2032 Jul | 0.00000293 | 1.41 | 0.00122 | 1.83 | 0.0204 | 0.000357 | 1.18 | 0.00151 | 0.00304 | 0.0000786 | 0.00013 | 0.000058 | 0.0463 | 0.00000557 | 0.000101 | 0.000392 | 0.00174 | 0.00088 |
| 2032 Aug | 0.00000293 | 1.4 | 0.0012 | 1.82 | 0.0199 | 0.000348 | 1.17 | 0.00149 | 0.00299 | 0.0000773 | 0.000128 | 0.0000573 | 0.0455 | 0.00000558 | 0.0000987 | 0.000389 | 0.00174 | 0.000856 |
| 2032 Sep | 0.00000293 | 1.38 | 0.00119 | 1.8 | 0.0195 | 0.000342 | 1.16 | 0.00146 | 0.00295 | 0.0000763 | 0.000127 | 0.0000567 | 0.045 | 0.00000558 | 0.0000972 | 0.000387 | 0.00174 | 0.00084 |
| 2032 Oct | 0.00000293 | 1.38 | 0.00118 | 1.8 | 0.0193 | 0.000339 | 1.15 | 0.00145 | 0.00293 | 0.0000822 | 0.000126 | 0.0000564 | 0.0447 | 0.00000558 | 0.0000962 | 0.000385 | 0.00174 | 0.00083 |
| 2032 Nov | 0.00000293 | 1.38 | 0.00118 | 1.79 | 0.0193 | 0.000338 | 1.15 | 0.00145 | 0.00293 | 0.0000841 | 0.000126 | 0.0000563 | 0.0447 | 0.00000558 | 0.0000961 | 0.000385 | 0.00175 | 0.000828 |

**Appendix D21. Lake A18**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2032 Dec | 0.00000293 | 1.38 | 0.00118 | 1.79 | 0.0193 | 0.000338 | 1.15 | 0.00145 | 0.00293 | 0.0000841 | 0.000126 | 0.0000563 | 0.0447 | 0.00000558 | 0.000096 | 0.000385 | 0.00175 | 0.000828 |
| 2033 Jan | 0.00000293 | 1.38 | 0.00118 | 1.79 | 0.0193 | 0.000338 | 1.15 | 0.00145 | 0.00293 | 0.0000841 | 0.000126 | 0.0000563 | 0.0447 | 0.00000558 | 0.000096 | 0.000385 | 0.00175 | 0.000828 |
| 2033 Feb | 0.00000293 | 1.38 | 0.00118 | 1.79 | 0.0193 | 0.000338 | 1.15 | 0.00145 | 0.00293 | 0.0000841 | 0.000126 | 0.0000563 | 0.0447 | 0.00000558 | 0.000096 | 0.000385 | 0.00175 | 0.000828 |
| 2033 Mar | 0.00000293 | 1.38 | 0.00118 | 1.79 | 0.0193 | 0.000338 | 1.15 | 0.00145 | 0.00293 | 0.0000841 | 0.000126 | 0.0000563 | 0.0447 | 0.00000558 | 0.000096 | 0.000385 | 0.00175 | 0.000828 |
| 2033 Apr | 0.00000293 | 1.38 | 0.00118 | 1.8 | 0.0193 | 0.000338 | 1.15 | 0.00145 | 0.00293 | 0.0000841 | 0.000126 | 0.0000564 | 0.0447 | 0.00000558 | 0.0000961 | 0.000385 | 0.00175 | 0.000828 |
| 2033 May | 0.00000291 | 1.34 | 0.00114 | 1.76 | 0.0181 | 0.000319 | 1.13 | 0.00141 | 0.00281 | 0.0000805 | 0.000122 | 0.0000545 | 0.043 | 0.00000555 | 0.0000912 | 0.000378 | 0.00173 | 0.000777 |
| 2033 Jun | 0.00000281 | 1.24 | 0.00101 | 1.67 | 0.0147 | 0.000261 | 1.07 | 0.00126 | 0.00249 | 0.0000694 | 0.000107 | 0.0000485 | 0.0381 | 0.00000541 | 0.0000761 | 0.000351 | 0.00168 | 0.000624 |
| 2033 Jul | 0.00000282 | 1.24 | 0.001 | 1.67 | 0.0144 | 0.000255 | 1.07 | 0.00125 | 0.00248 | 0.0000685 | 0.000106 | 0.0000481 | 0.0378 | 0.00000544 | 0.0000748 | 0.00035 | 0.00169 | 0.000609 |
| 2033 Aug | 0.00000284 | 1.23 | 0.000997 | 1.67 | 0.0142 | 0.000252 | 1.06 | 0.00125 | 0.00247 | 0.0000681 | 0.000106 | 0.000048 | 0.0376 | 0.00000547 | 0.0000741 | 0.000351 | 0.00169 | 0.0006 |
| 2033 Sep | 0.00000281 | 1.2 | 0.000971 | 1.63 | 0.0135 | 0.000241 | 1.04 | 0.0012 | 0.00239 | 0.0000658 | 0.000103 | 0.000047 | 0.0364 | 0.00000544 | 0.000071 | 0.000345 | 0.00168 | 0.00057 |
| 2033 Oct | 0.00000279 | 1.18 | 0.000942 | 1.61 | 0.0128 | 0.000228 | 1.02 | 0.00116 | 0.00231 | 0.0000984 | 0.000101 | 0.0000457 | 0.0355 | 0.0000054 | 0.0000678 | 0.000339 | 0.00172 | 0.000536 |
| 2033 Nov | 0.00000278 | 1.17 | 0.000933 | 1.6 | 0.0126 | 0.000224 | 1.01 | 0.00115 | 0.00228 | 0.000112 | 0.000101 | 0.0000453 | 0.0351 | 0.00000539 | 0.0000667 | 0.000337 | 0.00173 | 0.000526 |
| 2033 Dec | 0.00000278 | 1.17 | 0.000933 | 1.6 | 0.0126 | 0.000224 | 1.01 | 0.00115 | 0.00228 | 0.000112 | 0.000101 | 0.0000453 | 0.0351 | 0.00000539 | 0.0000667 | 0.000337 | 0.00173 | 0.000525 |
| 2034 Jan | 0.00000278 | 1.17 | 0.000933 | 1.6 | 0.0126 | 0.000224 | 1.01 | 0.00115 | 0.00228 | 0.000112 | 0.000101 | 0.0000453 | 0.0351 | 0.00000539 | 0.0000667 | 0.000337 | 0.00173 | 0.000525 |
| 2034 Feb | 0.00000278 | 1.17 | 0.000933 | 1.6 | 0.0126 | 0.000224 | 1.01 | 0.00115 | 0.00228 | 0.000112 | 0.000101 | 0.0000453 | 0.0351 | 0.00000539 | 0.0000667 | 0.000337 | 0.00173 | 0.000525 |
| 2034 Mar | 0.00000278 | 1.17 | 0.000933 | 1.6 | 0.0126 | 0.000224 | 1.01 | 0.00115 | 0.00228 | 0.000112 | 0.000101 | 0.0000453 | 0.0351 | 0.00000539 | 0.0000667 | 0.000337 | 0.00173 | 0.000525 |
| 2034 Apr | 0.00000278 | 1.17 | 0.000933 | 1.6 | 0.0126 | 0.000224 | 1.01 | 0.00115 | 0.00228 | 0.000112 | 0.000101 | 0.0000453 | 0.0352 | 0.00000539 | 0.0000667 | 0.000337 | 0.00173 | 0.000526 |
| 2034 May | 0.00000279 | 1.17 | 0.000928 | 1.6 | 0.0124 | 0.000221 | 1.01 | 0.00115 | 0.00227 | 0.00011 | 0.0001 | 0.0000451 | 0.0349 | 0.0000054 | 0.000066 | 0.000337 | 0.00173 | 0.000518 |
| 2034 Jun | 0.00000272 | 1.11 | 0.000842 | 1.55 | 0.0101 | 0.000182 | 0.977 | 0.00106 | 0.00208 | 0.0000934 | 0.0000902 | 0.000041 | 0.0318 | 0.00000531 | 0.0000559 | 0.000319 | 0.00168 | 0.000415 |
| 2034 Jul | 0.00000274 | 1.11 | 0.000838 | 1.55 | 0.00985 | 0.000179 | 0.982 | 0.00106 | 0.00209 | 0.0000921 | 0.0000897 | 0.0000408 | 0.0317 | 0.00000534 | 0.0000551 | 0.000319 | 0.00169 | 0.000406 |
| 2034 Aug | 0.00000276 | 1.12 | 0.000844 | 1.57 | 0.00988 | 0.000179 | 0.988 | 0.00106 | 0.0021 | 0.0000924 | 0.0000902 | 0.0000411 | 0.0319 | 0.00000539 | 0.0000553 | 0.000322 | 0.00171 | 0.000406 |
| 2034 Sep | 0.00000276 | 1.11 | 0.000835 | 1.55 | 0.00965 | 0.000175 | 0.979 | 0.00104 | 0.00208 | 0.0000906 | 0.0000892 | 0.0000408 | 0.0315 | 0.00000538 | 0.0000543 | 0.00032 | 0.0017 | 0.000396 |
| 2034 Oct | 0.00000274 | 1.09 | 0.000819 | 1.53 | 0.00927 | 0.000169 | 0.963 | 0.00101 | 0.00202 | 0.0001 | 0.0000879 | 0.0000402 | 0.0309 | 0.00000535 | 0.0000525 | 0.000316 | 0.00171 | 0.000378 |
| 2034 Nov | 0.00000274 | 1.09 | 0.000817 | 1.53 | 0.00923 | 0.000168 | 0.963 | 0.00101 | 0.00202 | 0.000103 | 0.0000879 | 0.0000402 | 0.0308 | 0.00000535 | 0.0000524 | 0.000316 | 0.00171 | 0.000377 |
| 2034 Dec | 0.00000274 | 1.09 | 0.000817 | 1.53 | 0.00923 | 0.000168 | 0.963 | 0.00101 | 0.00202 | 0.000103 | 0.0000879 | 0.0000402 | 0.0308 | 0.00000535 | 0.0000524 | 0.000316 | 0.00171 | 0.000377 |
| 2035 Jan | 0.00000274 | 1.09 | 0.000817 | 1.53 | 0.00923 | 0.000168 | 0.963 | 0.00101 | 0.00202 | 0.000103 | 0.0000879 | 0.0000402 | 0.0308 | 0.00000535 | 0.0000524 | 0.000316 | 0.00171 | 0.000377 |
| 2035 Feb | 0.00000274 | 1.09 | 0.000817 | 1.53 | 0.00923 | 0.000168 | 0.963 | 0.00101 | 0.00202 | 0.000103 | 0.0000879 | 0.0000402 | 0.0308 | 0.00000535 | 0.0000524 | 0.000316 | 0.00171 | 0.000377 |
| 2035 Mar | 0.00000274 | 1.09 | 0.000817 | 1.53 | 0.00923 | 0.000168 | 0.963 | 0.00101 | 0.00202 | 0.000103 | 0.0000879 | 0.0000402 | 0.0308 | 0.00000535 | 0.0000524 | 0.000316 | 0.00171 | 0.000377 |
| 2035 Apr | 0.00000274 | 1.09 | 0.000818 | 1.53 | 0.00924 | 0.000168 | 0.963 | 0.00101 | 0.00202 | 0.000103 | 0.0000879 | 0.0000402 | 0.0308 | 0.00000535 | 0.0000524 | 0.000316 | 0.00171 | 0.000377 |
| 2035 May | 0.00000275 | 1.09 | 0.00082 | 1.53 | 0.00925 | 0.000168 | 0.966 | 0.00101 | 0.00203 | 0.000103 | 0.0000882 | 0.0000403 | 0.0309 | 0.00000537 | 0.0000525 | 0.000317 | 0.00172 | 0.000377 |
| 2035 Jun | 0.00000269 | 1.06 | 0.000753 | 1.52 | 0.0075 | 0.000139 | 0.95 | 0.000951 | 0.00197 | 0.0000876 | 0.0000803 | 0.0000371 | 0.029 | 0.00000527 | 0.0000449 | 0.000302 | 0.00167 | 0.000302 |
| 2035 Jul | 0.0000027 | 1.06 | 0.000745 | 1.53 | 0.00718 | 0.000134 | 0.956 | 0.000946 | 0.00199 | 0.0000849 | 0.0000792 | 0.0000367 | 0.0289 | 0.0000053 | 0.0000436 | 0.000302 | 0.00167 | 0.000288 |
| 2035 Aug | 0.00000271 | 1.06 | 0.000746 | 1.53 | 0.00712 | 0.000133 | 0.956 | 0.000944 | 0.00198 | 0.0000843 | 0.0000792 | 0.0000368 | 0.0289 | 0.00000533 | 0.0000434 | 0.000303 | 0.00168 | 0.000284 |
| 2035 Sep | 0.00000269 | 1.04 | 0.000729 | 1.49 | 0.00674 | 0.000127 | 0.933 | 0.000903 | 0.00192 | 0.0000805 | 0.0000773 | 0.0000362 | 0.028 | 0.0000053 | 0.0000416 | 0.000299 | 0.00166 | 0.000266 |
| 2035 Oct | 0.00000268 | 1.02 | 0.000716 | 1.47 | 0.00645 | 0.000121 | 0.918 | 0.000877 | 0.00187 | 0.0000935 | 0.0000765 | 0.0000358 | 0.0275 | 0.00000527 | 0.0000402 | 0.000296 | 0.00167 | 0.000253 |
| 2035 Nov | 0.00000267 | 1.02 | 0.000712 | 1.47 | 0.00636 | 0.00012 | 0.914 | 0.000873 | 0.00185 | 0.000104 | 0.0000765 | 0.0000356 | 0.0273 | 0.00000526 | 0.0000398 | 0.000295 | 0.00168 | 0.000248 |
| 2035 Dec | 0.00000267 | 1.02 | 0.000712 | 1.47 | 0.00636 | 0.00012 | 0.914 | 0.000873 | 0.00185 | 0.000104 | 0.0000765 | 0.0000356 | 0.0273 | 0.00000526 | 0.0000398 | 0.000295 | 0.00168 | 0.000248 |
| 2036 Jan | 0.00000267 | 1.02 | 0.000712 | 1.47 | 0.00635 | 0.00012 | 0.914 | 0.000873 | 0.00185 | 0.000104 | 0.0000765 | 0.0000356 | 0.0273 | 0.00000526 | 0.0000398 | 0.000295 | 0.00168 | 0.000248 |
| 2036 Feb | 0.00000267 | 1.02 | 0.000712 | 1.47 | 0.00635 | 0.00012 | 0.914 | 0.000873 | 0.00185 | 0.000104 | 0.0000765 | 0.0000356 | 0.0273 | 0.00000526 | 0.0000398 | 0.000295 | 0.00168 | 0.000248 |
| 2036 Mar | 0.00000267 | 1.02 | 0.000712 | 1.47 | 0.00635 | 0.00012 | 0.914 | 0.000873 | 0.00185 | 0.000104 | 0.0000765 | 0.0000356 | 0.0273 | 0.00000526 | 0.0000398 | 0.000295 | 0.00168 | 0.000248 |
| 2036 Apr | 0.00000267 | 1.02 | 0.000713 | 1.47 | 0.00636 | 0.00012 | 0.915 | 0.000874 | 0.00186 | 0.000104 | 0.0000766 | 0.0000356 | 0.0274 | 0.00000526 | 0.0000398 | 0.000295 | 0.00169 | 0.000248 |
| 2036 May | 0.00000268 | 1.02 | 0.000715 | 1.47 | 0.00638 | 0.00012 | 0.918 | 0.000877 | 0.00186 | 0.000104 | 0.0000768 | 0.0000357 | 0.0275 | 0.00000528 | 0.00004 | 0.000296 | 0.00169 | 0.000249 |
| 2036 Jun | 0.00000265 | 1.02 | 0.00068 | 1.48 | 0.00544 | 0.000105 | 0.92 | 0.00085 | 0.00188 | 0.0000915 | 0.0000724 | 0.0000339 | 0.0267 | 0.00000523 | 0.0000359 | 0.000288 | 0.00166 | 0.000209 |
| 2036 Jul | 0.00000264 | 1.02 | 0.000664 | 1.49 | 0.005 | 0.0000976 | 0.921 | 0.00084 | 0.00189 | 0.0000854 | 0.0000705 | 0.0000332 | 0.0264 | 0.00000522 | 0.000034 | 0.000285 | 0.00165 | 0.00019 |
| 2036 Aug | 0.00000266 | 1.02 | 0.000667 | 1.49 | 0.00499 | 0.0000971 | 0.923 | 0.000841 | 0.00189 | 0.000085 | 0.0000707 | 0.0000333 | 0.0264 | 0.00000526 | 0.0000339 | 0.000287 | 0.00166 | 0.000188 |
| 2036 Sep | 0.00000266 | 1.01 | 0.000664 | 1.48 | 0.00491 | 0.0000957 | 0.917 | 0.000831 | 0.00187 | 0.0000838 | 0.0000703 | 0.0000332 | 0.0262 | 0.00000526 | 0.0000336 | 0.000287 | 0.00166 | 0.000184 |
| 2036 Oct | 0.00000265 | 0.993 | 0.000655 | 1.46 | 0.00471 | 0.0000921 | 0.903 | 0.000808 | 0.00183 | 0.0000925 | 0.0000698 | 0.000033 | 0.0258 | 0.00000524 | 0.0000326 | 0.000284 | 0.00166 | 0.000175 |
| 2036 Nov | 0.00000265 | 0.993 | 0.000654 | 1.46 | 0.00469 | 0.0000918 | 0.902 | 0.000807 | 0.00183 | 0.0000955 | 0.0000698 | 0.000033 | 0.0258 | 0.00000524 | 0.0000326 | 0.000284 | 0.00167 | 0.000174 |
| 2036 Dec | 0.00000265 | 0.993 | 0.000654 | 1.46 | 0.00469 | 0.0000918 | 0.902 | 0.000807 | 0.00183 | 0.0000955 | 0.0000698 | 0.000033 | 0.0258 | 0.00000524 | 0.0000326 | 0.000284 | 0.00167 | 0.000174 |
| 2037 Jan | 0.00000265 | 0.993 | 0.000654 | 1.46 | 0.00469 | 0.0000918 | 0.902 | 0.000807 | 0.00183 | 0.0000955 | 0.0000698 | 0.000033 | 0.0258 | 0.00000524 | 0.0000325 | 0.000284 | 0.00167 | 0.000174 |
| 2037 Feb | 0.00000265 | 0.993 | 0.000654 | 1.46 | 0.00469 | 0.0000918 | 0.902 | 0.000807 | 0.00183 | 0.0000955 | 0.0000698 | 0.000033 | 0.0258 | 0.00000524 | 0.0000325 | 0.000284 | 0.00167 | 0.000174 |
| 2037 Mar | 0.00000265 | 0.993 | 0.000654 | 1.46 | 0.00469 | 0.0000918 | 0.902 | 0.000807 | 0.00183 | 0.0000955 | 0.0000698 | 0.000033 | 0.0258 | 0.00000524 | 0.0000325 | 0.000284 | 0.00167 | 0.000174 |
| 2037 Apr | 0.00000265 | 0.993 | 0.000654 | 1.46 | 0.00469 | 0.0000918 | 0.903 | 0.000807 | 0.00183 | 0.0000955 | 0.0000699 | 0.000033 | 0.0258 | 0.00000524 | 0.0000326 | 0.000284 | 0.00167 | 0.000174 |
| 2037 May | 0.00000264 | 0.982 | 0.000646 | 1.45 | 0.00446 | 0.000088 | 0.897 | 0.000801 | 0.00178 | 0.0000915 | 0.0000688 | 0.0000325 | 0.0253 | 0.00000523 | 0.0000316 | 0.000283 | 0.00166 | 0.000164 |
| 2037 Jun | 0.00000258 | 0.943 | 0.000603 | 1.41 | 0.00347 | 0.0000718 | 0.873 | 0.000767 | 0.00165 | 0.0000744 | 0.0000634 | 0.0000303 | 0.0235 | 0.00000511 | 0.0000273 | 0.000271 | 0.0016 | 0.000123 |
| 2037 Jul | 0.00000258 | 0.947 | 0.000601 | 1.42 | 0.00337 | 0.00007 | 0.877 | 0.000768 | 0.00167 | 0.0000725 | 0.0000631 | 0.0000302 | 0.0235 | 0.00000513 | 0.0000268 | 0.000272 | 0.0016 | 0.000118 |
| 2037 Aug | 0.0000026 | 0.949 | 0.000604 | 1.42 | 0.00338 | 0.0000698 | 0.878 | 0.00077 | 0.00167 | 0.0000722 | 0.0000633 | 0.0000304 | 0.0235 | 0.00000516 | 0.0000269 | 0.000273 | 0.00161 | 0.000116 |
| 2037 Sep | 0.00000261 | 0.95 | 0.000605 | 1.42 | 0.00337 | 0.0000696 | 0.879 | 0.000769 | 0.00167 | 0.0000719 | 0.0000635 | 0.0000305 | 0.0236 | 0.00000519 | 0.0000269 | 0.000274 | 0.00162 | 0.000116 |
| 2037 Oct | 0.00000261 | 0.946 | 0.000603 | 1.41 | 0.00332 | 0.0000687 | 0.876 | 0.000763 | 0.00165 | 0.0000793 | 0.0000636 | 0.0000304 | 0.0235 | 0.00000519 | 0.0000266 | 0.000274 | 0.00163 | 0.000113 |
| 2037 Nov | 0.00000261 | 0.945 | 0.000603 | 1.41 | 0.0033 | 0.0000684 | 0.875 | 0.000762 | 0.00165 | 0.0000839 | 0.0000638 | 0.0000304 | 0.0235 | 0.00000519 | 0.0000266 | 0.000274 | 0.00164 | 0.000112 |
| 2037 Dec | 0.00000261 | 0.945 | 0.000603 | 1.41 | 0.0033 | 0.0000684 | 0.875 | 0.000762 | 0.00165 | 0.0000839 | 0.0000638 | 0.0000304 | 0.0235 | 0.00000519 | 0.0000266 | 0.000274 | 0.00164 | 0.000112 |
| 2038 Jan | 0.00000261 | 0.945 | 0.000603 | 1.41 | 0.0033 | 0.0000684 | 0.875 | 0.000762 | 0.00165 | 0.0000839 | 0.0000638 | 0.0000304 | 0.0235 | 0.00000519 | 0.0000266 | 0.000274 | 0.00164 | 0.000112 |
| 2038 Feb | 0.00000261 | 0.945 | 0.000603 | 1.41 | 0.0033 | 0.0000684 | 0.875 | 0.000762 | 0.00165 | 0.0000839 | 0.0000638 | 0.0000304 | 0.0235 | 0.00000519 | 0.0000266 | 0.000274 | 0.00164 | 0.000112 |
| 2038 Mar | 0.00000261 | 0.945 | 0.000603 | 1.41 | 0.0033 | 0.0000684 | 0.875 | 0.000762 | 0.00165 | 0.0000839 | 0.0000638 | 0.0000304 | 0.0235 | 0.00000519 | 0.0000266 | 0.000274 | 0.00164 | 0.000112 |
| 2038 Apr | 0.00000261 | 0.946 | 0.000603 | 1.41 | 0.0033 | 0.0000684 | 0.875 | 0.000762 | 0.00165 | 0.0000839 | 0.0000638 | 0.0000304 | 0.0235 | 0.00000519 | 0.0000266 | 0.000274 | 0.00164 | 0.000112 |

**Appendix D21. Lake A18**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2038 May | 0.00000261 | 0.943 | 0.000601 | 1.41 | 0.00322 | 0.0000671 | 0.874 | 0.000761 | 0.00163 | 0.0000821 | 0.0000634 | 0.0000303 | 0.0233 | 0.00000519 | 0.0000262 | 0.000274 | 0.00164 | 0.000109 |
| 2038 Jun | 0.00000258 | 0.92 | 0.000579 | 1.39 | 0.00271 | 0.0000589 | 0.861 | 0.000745 | 0.00155 | 0.000071 | 0.0000606 | 0.0000292 | 0.0223 | 0.00000513 | 0.0000241 | 0.000268 | 0.0016 | 0.000088 |
| 2038 Jul | 0.00000261 | 0.933 | 0.000585 | 1.41 | 0.00271 | 0.000059 | 0.872 | 0.000755 | 0.00157 | 0.000071 | 0.0000612 | 0.0000295 | 0.0226 | 0.0000052 | 0.0000242 | 0.000271 | 0.00162 | 0.0000874 |
| 2038 Aug | 0.00000264 | 0.937 | 0.000589 | 1.41 | 0.00272 | 0.0000591 | 0.876 | 0.000757 | 0.00158 | 0.0000709 | 0.0000616 | 0.0000297 | 0.0227 | 0.00000524 | 0.0000243 | 0.000273 | 0.00163 | 0.0000867 |
| 2038 Sep | 0.00000264 | 0.933 | 0.000589 | 1.41 | 0.00269 | 0.0000586 | 0.873 | 0.00075 | 0.00157 | 0.0000702 | 0.0000615 | 0.0000297 | 0.0226 | 0.00000525 | 0.0000242 | 0.000273 | 0.00164 | 0.0000852 |
| 2038 Oct | 0.00000263 | 0.923 | 0.000585 | 1.39 | 0.00263 | 0.0000574 | 0.864 | 0.000736 | 0.00155 | 0.0000745 | 0.0000613 | 0.0000297 | 0.0224 | 0.00000523 | 0.0000239 | 0.000272 | 0.00164 | 0.0000823 |
| 2038 Nov | 0.00000263 | 0.924 | 0.000585 | 1.39 | 0.00263 | 0.0000574 | 0.864 | 0.000736 | 0.00155 | 0.0000752 | 0.0000613 | 0.0000297 | 0.0224 | 0.00000523 | 0.0000239 | 0.000272 | 0.00164 | 0.0000823 |
| 2038 Dec | 0.00000263 | 0.924 | 0.000585 | 1.39 | 0.00263 | 0.0000574 | 0.864 | 0.000736 | 0.00155 | 0.0000752 | 0.0000613 | 0.0000297 | 0.0224 | 0.00000523 | 0.0000239 | 0.000272 | 0.00164 | 0.0000823 |
| 2039 Jan | 0.00000263 | 0.924 | 0.000585 | 1.39 | 0.00263 | 0.0000574 | 0.864 | 0.000736 | 0.00155 | 0.0000751 | 0.0000613 | 0.0000297 | 0.0224 | 0.00000523 | 0.0000239 | 0.000272 | 0.00164 | 0.0000823 |
| 2039 Feb | 0.00000263 | 0.924 | 0.000585 | 1.39 | 0.00263 | 0.0000574 | 0.864 | 0.000736 | 0.00155 | 0.0000751 | 0.0000613 | 0.0000297 | 0.0224 | 0.00000523 | 0.0000239 | 0.000272 | 0.00164 | 0.0000823 |
| 2039 Mar | 0.00000263 | 0.924 | 0.000585 | 1.39 | 0.00263 | 0.0000574 | 0.864 | 0.000736 | 0.00155 | 0.0000752 | 0.0000613 | 0.0000297 | 0.0224 | 0.00000523 | 0.0000239 | 0.000272 | 0.00164 | 0.0000823 |
| 2039 Apr | 0.00000263 | 0.924 | 0.000585 | 1.4 | 0.00263 | 0.0000574 | 0.865 | 0.000736 | 0.00155 | 0.0000752 | 0.0000613 | 0.0000297 | 0.0224 | 0.00000523 | 0.0000239 | 0.000272 | 0.00164 | 0.0000823 |
| 2039 May | 0.00000264 | 0.926 | 0.000586 | 1.4 | 0.00264 | 0.0000575 | 0.866 | 0.000738 | 0.00155 | 0.0000753 | 0.0000615 | 0.0000298 | 0.0224 | 0.00000524 | 0.0000239 | 0.000273 | 0.00164 | 0.0000825 |
| 2039 Jun | 0.0000026 | 0.941 | 0.00057 | 1.42 | 0.00227 | 0.0000519 | 0.879 | 0.000733 | 0.00164 | 0.0000667 | 0.0000594 | 0.0000289 | 0.0226 | 0.00000519 | 0.0000223 | 0.000268 | 0.00161 | 0.0000684 |
| 2039 Jul | 0.0000026 | 0.941 | 0.000563 | 1.43 | 0.00212 | 0.0000489 | 0.879 | 0.000732 | 0.00166 | 0.000062 | 0.0000584 | 0.0000285 | 0.0225 | 0.00000518 | 0.0000215 | 0.000267 | 0.0016 | 0.0000606 |
| 2039 Aug | 0.00000262 | 0.938 | 0.000566 | 1.43 | 0.00215 | 0.0000485 | 0.877 | 0.000735 | 0.00166 | 0.0000613 | 0.0000586 | 0.0000286 | 0.0225 | 0.00000521 | 0.0000215 | 0.000268 | 0.00161 | 0.0000591 |
| 2039 Sep | 0.00000262 | 0.935 | 0.000566 | 1.42 | 0.00213 | 0.0000483 | 0.875 | 0.000728 | 0.00165 | 0.0000607 | 0.0000586 | 0.0000287 | 0.0224 | 0.00000523 | 0.0000215 | 0.000269 | 0.00162 | 0.0000581 |
| 2039 Oct | 0.00000262 | 0.932 | 0.000566 | 1.42 | 0.00212 | 0.000048 | 0.872 | 0.000723 | 0.00164 | 0.0000604 | 0.0000585 | 0.0000288 | 0.0223 | 0.00000523 | 0.0000214 | 0.000269 | 0.00162 | 0.0000574 |
| 2039 Nov | 0.00000262 | 0.932 | 0.000566 | 1.42 | 0.00212 | 0.000048 | 0.872 | 0.000723 | 0.00164 | 0.0000606 | 0.0000586 | 0.0000288 | 0.0223 | 0.00000523 | 0.0000214 | 0.000269 | 0.00162 | 0.0000574 |
| 2039 Dec | 0.00000262 | 0.932 | 0.000566 | 1.42 | 0.00212 | 0.000048 | 0.872 | 0.000723 | 0.00164 | 0.0000606 | 0.0000586 | 0.0000288 | 0.0223 | 0.00000523 | 0.0000214 | 0.000269 | 0.00162 | 0.0000574 |
| 2040 Jan | 0.00000262 | 0.932 | 0.000566 | 1.42 | 0.00212 | 0.000048 | 0.872 | 0.000723 | 0.00164 | 0.0000606 | 0.0000586 | 0.0000288 | 0.0223 | 0.00000523 | 0.0000214 | 0.000269 | 0.00162 | 0.0000574 |
| 2040 Feb | 0.00000262 | 0.932 | 0.000566 | 1.42 | 0.00212 | 0.000048 | 0.872 | 0.000723 | 0.00164 | 0.0000606 | 0.0000586 | 0.0000288 | 0.0223 | 0.00000523 | 0.0000214 | 0.000269 | 0.00162 | 0.0000574 |
| 2040 Mar | 0.00000262 | 0.932 | 0.000566 | 1.42 | 0.00212 | 0.000048 | 0.872 | 0.000723 | 0.00164 | 0.0000606 | 0.0000586 | 0.0000288 | 0.0223 | 0.00000523 | 0.0000214 | 0.000269 | 0.00162 | 0.0000574 |
| 2040 Apr | 0.00000262 | 0.933 | 0.000566 | 1.42 | 0.00212 | 0.000048 | 0.872 | 0.000723 | 0.00164 | 0.0000606 | 0.0000586 | 0.0000288 | 0.0223 | 0.00000523 | 0.0000214 | 0.000269 | 0.00162 | 0.0000574 |
| 2040 May | 0.00000263 | 0.932 | 0.000566 | 1.42 | 0.0021 | 0.0000477 | 0.873 | 0.000724 | 0.00163 | 0.0000601 | 0.0000586 | 0.0000288 | 0.0223 | 0.00000523 | 0.0000213 | 0.000269 | 0.00162 | 0.0000566 |
| 2040 Jun | 0.00000259 | 0.916 | 0.00055 | 1.4 | 0.00177 | 0.0000428 | 0.863 | 0.000716 | 0.00157 | 0.0000525 | 0.0000565 | 0.0000279 | 0.0216 | 0.00000516 | 0.00002 | 0.000264 | 0.00159 | 0.0000445 |
| 2040 Jul | 0.0000026 | 0.922 | 0.000551 | 1.41 | 0.00175 | 0.0000424 | 0.869 | 0.00072 | 0.00159 | 0.0000518 | 0.0000566 | 0.0000279 | 0.0217 | 0.00000519 | 0.0000199 | 0.000265 | 0.00159 | 0.0000431 |
| 2040 Aug | 0.00000261 | 0.919 | 0.000553 | 1.4 | 0.00178 | 0.0000422 | 0.866 | 0.000721 | 0.00158 | 0.0000513 | 0.0000568 | 0.000028 | 0.0216 | 0.00000521 | 0.0000199 | 0.000266 | 0.0016 | 0.0000421 |
| 2040 Sep | 0.00000261 | 0.909 | 0.000551 | 1.39 | 0.00176 | 0.0000418 | 0.856 | 0.000707 | 0.00156 | 0.0000503 | 0.0000565 | 0.000028 | 0.0214 | 0.00000521 | 0.0000198 | 0.000266 | 0.0016 | 0.0000404 |
| 2040 Oct | 0.00000262 | 0.91 | 0.000552 | 1.39 | 0.00176 | 0.0000418 | 0.857 | 0.000707 | 0.00156 | 0.0000505 | 0.0000566 | 0.000028 | 0.0214 | 0.00000522 | 0.0000198 | 0.000266 | 0.0016 | 0.0000404 |
| 2040 Nov | 0.00000262 | 0.91 | 0.000552 | 1.39 | 0.00176 | 0.0000418 | 0.857 | 0.000708 | 0.00156 | 0.0000506 | 0.0000567 | 0.0000281 | 0.0215 | 0.00000522 | 0.0000198 | 0.000266 | 0.0016 | 0.0000404 |
| 2040 Dec | 0.00000262 | 0.91 | 0.000552 | 1.39 | 0.00176 | 0.0000418 | 0.857 | 0.000708 | 0.00156 | 0.0000506 | 0.0000567 | 0.0000281 | 0.0215 | 0.00000522 | 0.0000198 | 0.000266 | 0.0016 | 0.0000404 |
| 2041 Jan | 0.00000262 | 0.91 | 0.000552 | 1.39 | 0.00176 | 0.0000418 | 0.857 | 0.000708 | 0.00156 | 0.0000506 | 0.0000567 | 0.0000281 | 0.0215 | 0.00000522 | 0.0000198 | 0.000266 | 0.0016 | 0.0000404 |
| 2041 Feb | 0.00000262 | 0.91 | 0.000552 | 1.39 | 0.00176 | 0.0000418 | 0.857 | 0.000708 | 0.00156 | 0.0000506 | 0.0000567 | 0.0000281 | 0.0215 | 0.00000522 | 0.0000198 | 0.000266 | 0.0016 | 0.0000404 |
| 2041 Mar | 0.00000262 | 0.911 | 0.000552 | 1.39 | 0.00176 | 0.0000418 | 0.858 | 0.000708 | 0.00156 | 0.0000506 | 0.0000567 | 0.0000281 | 0.0215 | 0.00000522 | 0.0000198 | 0.000266 | 0.0016 | 0.0000404 |
| 2041 Apr | 0.00000262 | 0.911 | 0.000552 | 1.39 | 0.00176 | 0.0000418 | 0.858 | 0.000708 | 0.00156 | 0.0000506 | 0.0000567 | 0.0000281 | 0.0215 | 0.00000522 | 0.0000198 | 0.000266 | 0.0016 | 0.0000404 |
| 2041 May | 0.00000262 | 0.912 | 0.000553 | 1.39 | 0.00176 | 0.0000418 | 0.859 | 0.000709 | 0.00156 | 0.0000506 | 0.0000567 | 0.0000281 | 0.0215 | 0.00000523 | 0.0000199 | 0.000267 | 0.0016 | 0.0000403 |
| 2041 Jun | 0.0000026 | 0.924 | 0.000546 | 1.41 | 0.0016 | 0.0000397 | 0.869 | 0.00071 | 0.00162 | 0.0000474 | 0.0000558 | 0.0000277 | 0.0217 | 0.0000052 | 0.0000192 | 0.000264 | 0.00159 | 0.0000353 |
| 2041 Jul | 0.00000259 | 0.93 | 0.000541 | 1.42 | 0.0015 | 0.0000379 | 0.874 | 0.000712 | 0.00166 | 0.0000446 | 0.0000552 | 0.0000274 | 0.0218 | 0.00000518 | 0.0000187 | 0.000263 | 0.00158 | 0.000031 |
| 2041 Aug | 0.0000026 | 0.917 | 0.00054 | 1.4 | 0.00154 | 0.0000375 | 0.861 | 0.000707 | 0.00163 | 0.0000437 | 0.0000551 | 0.0000273 | 0.0215 | 0.00000518 | 0.0000186 | 0.000263 | 0.00158 | 0.0000293 |
| 2041 Sep | 0.0000026 | 0.911 | 0.00054 | 1.39 | 0.00153 | 0.0000373 | 0.856 | 0.000699 | 0.00162 | 0.0000433 | 0.000055 | 0.0000274 | 0.0214 | 0.00000519 | 0.0000186 | 0.000263 | 0.00158 | 0.0000287 |
| 2041 Oct | 0.00000259 | 0.902 | 0.000538 | 1.38 | 0.00151 | 0.0000369 | 0.848 | 0.000684 | 0.00159 | 0.0000434 | 0.0000548 | 0.0000275 | 0.0212 | 0.00000517 | 0.0000185 | 0.000262 | 0.00158 | 0.0000277 |
| 2041 Nov | 0.00000259 | 0.902 | 0.000538 | 1.38 | 0.00151 | 0.0000369 | 0.848 | 0.000684 | 0.00159 | 0.0000439 | 0.0000549 | 0.0000275 | 0.0212 | 0.00000517 | 0.0000185 | 0.000262 | 0.00158 | 0.0000277 |
| 2041 Dec | 0.00000259 | 0.902 | 0.000538 | 1.38 | 0.00151 | 0.0000369 | 0.848 | 0.000684 | 0.00159 | 0.0000439 | 0.0000549 | 0.0000275 | 0.0212 | 0.00000517 | 0.0000185 | 0.000262 | 0.00158 | 0.0000277 |
| 2042 Jan | 0.00000259 | 0.902 | 0.000538 | 1.38 | 0.00151 | 0.0000369 | 0.848 | 0.000684 | 0.00159 | 0.0000439 | 0.0000549 | 0.0000275 | 0.0212 | 0.00000517 | 0.0000185 | 0.000262 | 0.00158 | 0.0000277 |
| 2042 Feb | 0.00000259 | 0.902 | 0.000538 | 1.38 | 0.00151 | 0.0000369 | 0.848 | 0.000684 | 0.00159 | 0.0000439 | 0.0000549 | 0.0000275 | 0.0212 | 0.00000517 | 0.0000185 | 0.000262 | 0.00158 | 0.0000277 |
| 2042 Mar | 0.00000259 | 0.902 | 0.000538 | 1.38 | 0.00151 | 0.0000369 | 0.848 | 0.000684 | 0.00159 | 0.0000439 | 0.0000549 | 0.0000275 | 0.0212 | 0.00000518 | 0.0000185 | 0.000262 | 0.00158 | 0.0000277 |
| 2042 Apr | 0.00000259 | 0.902 | 0.000539 | 1.38 | 0.00152 | 0.0000369 | 0.849 | 0.000684 | 0.0016 | 0.0000439 | 0.0000549 | 0.0000275 | 0.0212 | 0.00000518 | 0.0000185 | 0.000262 | 0.00158 | 0.0000277 |
| 2042 May | 0.0000026 | 0.905 | 0.00054 | 1.38 | 0.00151 | 0.000037 | 0.851 | 0.000687 | 0.0016 | 0.000044 | 0.000055 | 0.0000276 | 0.0213 | 0.00000519 | 0.0000185 | 0.000263 | 0.00158 | 0.0000277 |
| 2042 Jun | 0.00000258 | 0.919 | 0.000533 | 1.41 | 0.00135 | 0.0000351 | 0.863 | 0.000691 | 0.00165 | 0.000041 | 0.0000542 | 0.0000271 | 0.0215 | 0.00000515 | 0.0000179 | 0.000261 | 0.00157 | 0.0000234 |
| 2042 Jul | 0.00000257 | 0.921 | 0.000529 | 1.41 | 0.00131 | 0.0000338 | 0.864 | 0.000693 | 0.00168 | 0.000039 | 0.0000537 | 0.0000269 | 0.0216 | 0.00000514 | 0.0000175 | 0.000259 | 0.00156 | 0.0000205 |
| 2042 Aug | 0.00000257 | 0.901 | 0.000527 | 1.38 | 0.00136 | 0.0000335 | 0.846 | 0.000685 | 0.00163 | 0.0000381 | 0.0000534 | 0.0000268 | 0.0211 | 0.00000513 | 0.0000175 | 0.000259 | 0.00156 | 0.0000191 |
| 2042 Sep | 0.00000256 | 0.891 | 0.000526 | 1.37 | 0.00135 | 0.0000333 | 0.837 | 0.00067 | 0.00161 | 0.0000375 | 0.0000533 | 0.0000268 | 0.0209 | 0.00000512 | 0.0000174 | 0.000258 | 0.00155 | 0.0000184 |
| 2042 Oct | 0.00000254 | 0.873 | 0.000521 | 1.34 | 0.00132 | 0.0000325 | 0.819 | 0.000646 | 0.00155 | 0.0000538 | 0.0000535 | 0.0000268 | 0.0206 | 0.00000508 | 0.0000172 | 0.000256 | 0.00156 | 0.0000169 |
| 2042 Nov | 0.00000254 | 0.873 | 0.000521 | 1.34 | 0.00132 | 0.0000325 | 0.819 | 0.000646 | 0.00155 | 0.0000556 | 0.0000536 | 0.0000268 | 0.0206 | 0.00000508 | 0.0000172 | 0.000256 | 0.00157 | 0.0000169 |
| 2042 Dec | 0.00000254 | 0.873 | 0.000521 | 1.34 | 0.00132 | 0.0000325 | 0.819 | 0.000646 | 0.00155 | 0.0000556 | 0.0000536 | 0.0000268 | 0.0206 | 0.00000508 | 0.0000172 | 0.000256 | 0.00157 | 0.0000169 |
| 2043 Jan | 0.00000254 | 0.873 | 0.000521 | 1.34 | 0.00132 | 0.0000325 | 0.819 | 0.000646 | 0.00155 | 0.0000556 | 0.0000536 | 0.0000268 | 0.0206 | 0.00000508 | 0.0000172 | 0.000256 | 0.00157 | 0.0000169 |
| 2043 Feb | 0.00000254 | 0.873 | 0.000521 | 1.34 | 0.00132 | 0.0000325 | 0.819 | 0.000646 | 0.00155 | 0.0000556 | 0.0000536 | 0.0000268 | 0.0206 | 0.00000508 | 0.0000172 | 0.000256 | 0.00157 | 0.0000169 |
| 2043 Mar | 0.00000254 | 0.873 | 0.000521 | 1.34 | 0.00132 | 0.0000325 | 0.819 | 0.000646 | 0.00155 | 0.0000556 | 0.0000536 | 0.0000269 | 0.0206 | 0.00000508 | 0.0000172 | 0.000256 | 0.00157 | 0.0000169 |
| 2043 Apr | 0.00000255 | 0.874 | 0.000521 | 1.34 | 0.00132 | 0.0000325 | 0.82 | 0.000646 | 0.00155 | 0.0000557 | 0.0000536 | 0.0000269 | 0.0206 | 0.00000509 | 0.0000172 | 0.000256 | 0.00157 | 0.0000169 |
| 2043 May | 0.00000255 | 0.875 | 0.000522 | 1.34 | 0.00131 | 0.0000325 | 0.822 | 0.000649 | 0.00155 | 0.0000554 | 0.0000538 | 0.0000269 | 0.0206 | 0.0000051 | 0.0000172 | 0.000257 | 0.00157 | 0.0000167 |
| 2043 Jun | 0.00000253 | 0.869 | 0.000515 | 1.34 | 0.00114 | 0.0000307 | 0.821 | 0.000657 | 0.00149 | 0.0000484 | 0.0000526 | 0.0000264 | 0.0201 | 0.00000505 | 0.0000167 | 0.000254 | 0.00155 | 0.0000129 |
| 2043 Jul | 0.00000255 | 0.88 | 0.000519 | 1.35 | 0.00114 | 0.0000308 | 0.832 | 0.000665 | 0.00152 | 0.0000481 | 0.0000531 | 0.0000266 | 0.0204 | 0.0000051 | 0.0000168 | 0.000257 | 0.00156 | 0.0000126 |
| 2043 Aug | 0.00000256 | 0.873 | 0.00052 | 1.34 | 0.00116 | 0.000031 | 0.824 | 0.000658 | 0.0015 | 0.0000472 | 0.0000531 | 0.0000266 | 0.0203 | 0.00000511 | 0.0000169 | 0.000257 | 0.00156 | 0.0000121 |
| 2043 Sep | 0.00000255 | 0.86 | 0.000519 | 1.32 | 0.00117 | 0.0000309 | 0.812 | 0.000642 | 0.00147 | 0.000046 | 0.0000529 | 0.0000266 | 0.02 | 0.0000051 | 0.0000169 | 0.000257 | 0.00156 | 0.0000114 |

**Appendix D21. Lake A18**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2043 Oct | 0.00000255 | 0.858 | 0.000519 | 1.32 | 0.00117 | 0.0000309 | 0.81 | 0.000639 | 0.00147 | 0.000046 | 0.0000529 | 0.0000266 | 0.02 | 0.0000051 | 0.0000168 | 0.000257 | 0.00156 | 0.0000113 |
| 2043 Nov | 0.00000255 | 0.859 | 0.000519 | 1.32 | 0.00117 | 0.0000309 | 0.811 | 0.000639 | 0.00147 | 0.0000462 | 0.000053 | 0.0000266 | 0.02 | 0.00000511 | 0.0000169 | 0.000257 | 0.00156 | 0.0000113 |
| 2043 Dec | 0.00000255 | 0.859 | 0.000519 | 1.32 | 0.00117 | 0.0000309 | 0.811 | 0.000639 | 0.00147 | 0.0000462 | 0.000053 | 0.0000266 | 0.02 | 0.00000511 | 0.0000169 | 0.000257 | 0.00156 | 0.0000113 |
| 2044 Jan | 0.00000255 | 0.859 | 0.000519 | 1.32 | 0.00117 | 0.0000309 | 0.811 | 0.000639 | 0.00147 | 0.0000462 | 0.000053 | 0.0000266 | 0.02 | 0.00000511 | 0.0000169 | 0.000257 | 0.00156 | 0.0000113 |
| 2044 Feb | 0.00000256 | 0.859 | 0.000519 | 1.32 | 0.00117 | 0.0000309 | 0.811 | 0.000639 | 0.00147 | 0.0000462 | 0.000053 | 0.0000266 | 0.02 | 0.00000511 | 0.0000169 | 0.000257 | 0.00156 | 0.0000113 |
| 2044 Mar | 0.00000256 | 0.859 | 0.000519 | 1.32 | 0.00117 | 0.0000309 | 0.811 | 0.000639 | 0.00147 | 0.0000462 | 0.000053 | 0.0000266 | 0.02 | 0.00000511 | 0.0000169 | 0.000257 | 0.00156 | 0.0000113 |
| 2044 Apr | 0.00000256 | 0.859 | 0.000519 | 1.32 | 0.00117 | 0.0000309 | 0.811 | 0.000639 | 0.00147 | 0.0000462 | 0.000053 | 0.0000267 | 0.02 | 0.00000511 | 0.0000169 | 0.000257 | 0.00156 | 0.0000113 |
| 2044 May | 0.00000256 | 0.861 | 0.000521 | 1.32 | 0.00117 | 0.000031 | 0.813 | 0.000641 | 0.00147 | 0.0000463 | 0.0000531 | 0.0000267 | 0.02 | 0.00000512 | 0.0000169 | 0.000257 | 0.00156 | 0.0000113 |
| 2044 Jun | 0.00000254 | 0.877 | 0.000514 | 1.35 | 0.00103 | 0.0000297 | 0.827 | 0.000652 | 0.00153 | 0.0000419 | 0.0000522 | 0.0000262 | 0.0203 | 0.00000507 | 0.0000164 | 0.000255 | 0.00154 | 0.0000091 |
| 2044 Jul | 0.00000255 | 0.89 | 0.000517 | 1.37 | 0.00102 | 0.0000296 | 0.839 | 0.000661 | 0.00156 | 0.0000412 | 0.0000525 | 0.0000264 | 0.0206 | 0.0000051 | 0.0000164 | 0.000256 | 0.00155 | 0.00000862 |
| 2044 Aug | 0.00000257 | 0.893 | 0.000521 | 1.37 | 0.00105 | 0.0000299 | 0.842 | 0.000664 | 0.00157 | 0.0000413 | 0.0000529 | 0.0000266 | 0.0207 | 0.00000515 | 0.0000166 | 0.000258 | 0.00157 | 0.00000854 |
| 2044 Sep | 0.00000257 | 0.879 | 0.000519 | 1.35 | 0.00106 | 0.0000298 | 0.828 | 0.000647 | 0.00154 | 0.0000404 | 0.0000526 | 0.0000266 | 0.0204 | 0.00000513 | 0.0000165 | 0.000258 | 0.00156 | 0.0000081 |
| 2044 Oct | 0.00000256 | 0.871 | 0.000517 | 1.34 | 0.00105 | 0.0000296 | 0.82 | 0.000636 | 0.00151 | 0.0000537 | 0.0000531 | 0.0000266 | 0.0203 | 0.00000511 | 0.0000165 | 0.000257 | 0.00157 | 0.00000774 |
| 2044 Nov | 0.00000256 | 0.871 | 0.000517 | 1.34 | 0.00105 | 0.0000295 | 0.819 | 0.000636 | 0.00151 | 0.0000608 | 0.0000534 | 0.0000266 | 0.0203 | 0.00000511 | 0.0000165 | 0.000257 | 0.00158 | 0.00000766 |
| 2044 Dec | 0.00000256 | 0.871 | 0.000517 | 1.34 | 0.00105 | 0.0000295 | 0.819 | 0.000636 | 0.00151 | 0.0000608 | 0.0000534 | 0.0000266 | 0.0203 | 0.00000511 | 0.0000165 | 0.000257 | 0.00158 | 0.00000766 |
| 2045 Jan | 0.00000256 | 0.871 | 0.000517 | 1.34 | 0.00105 | 0.0000295 | 0.819 | 0.000636 | 0.00151 | 0.0000608 | 0.0000534 | 0.0000266 | 0.0203 | 0.00000511 | 0.0000165 | 0.000257 | 0.00158 | 0.00000766 |
| 2045 Feb | 0.00000256 | 0.871 | 0.000517 | 1.34 | 0.00105 | 0.0000295 | 0.819 | 0.000636 | 0.00151 | 0.0000608 | 0.0000534 | 0.0000266 | 0.0203 | 0.00000511 | 0.0000165 | 0.000257 | 0.00158 | 0.00000766 |
| 2045 Mar | 0.00000256 | 0.871 | 0.000517 | 1.34 | 0.00105 | 0.0000295 | 0.819 | 0.000636 | 0.00151 | 0.0000608 | 0.0000534 | 0.0000266 | 0.0203 | 0.00000511 | 0.0000165 | 0.000257 | 0.00158 | 0.00000766 |
| 2045 Apr | 0.00000256 | 0.871 | 0.000517 | 1.34 | 0.00105 | 0.0000295 | 0.819 | 0.000636 | 0.00151 | 0.0000608 | 0.0000534 | 0.0000266 | 0.0203 | 0.00000511 | 0.0000165 | 0.000257 | 0.00158 | 0.00000766 |
| 2045 May | 0.00000256 | 0.873 | 0.000518 | 1.34 | 0.00105 | 0.0000296 | 0.821 | 0.000638 | 0.00151 | 0.000061 | 0.0000535 | 0.0000267 | 0.0203 | 0.00000512 | 0.0000165 | 0.000257 | 0.00159 | 0.00000767 |
| 2045 Jun | 0.00000255 | 0.893 | 0.000516 | 1.37 | 0.000975 | 0.000029 | 0.838 | 0.000649 | 0.00159 | 0.0000563 | 0.000053 | 0.0000264 | 0.0208 | 0.00000511 | 0.0000162 | 0.000256 | 0.00157 | 0.00000668 |
| 2045 Jul | 0.00000258 | 0.91 | 0.00052 | 1.4 | 0.000958 | 0.000029 | 0.853 | 0.00066 | 0.00163 | 0.0000547 | 0.0000534 | 0.0000266 | 0.0212 | 0.00000515 | 0.0000163 | 0.000258 | 0.00159 | 0.00000628 |
| 2045 Aug | 0.0000026 | 0.916 | 0.000525 | 1.4 | 0.000975 | 0.0000293 | 0.859 | 0.000665 | 0.00164 | 0.0000549 | 0.0000538 | 0.0000268 | 0.0213 | 0.0000052 | 0.0000164 | 0.000261 | 0.0016 | 0.00000628 |
| 2045 Sep | 0.0000026 | 0.913 | 0.000525 | 1.4 | 0.000981 | 0.0000293 | 0.856 | 0.00066 | 0.00163 | 0.0000545 | 0.0000539 | 0.0000269 | 0.0213 | 0.00000521 | 0.0000165 | 0.000261 | 0.0016 | 0.00000619 |
| 2045 Oct | 0.00000261 | 0.913 | 0.000526 | 1.4 | 0.000982 | 0.0000294 | 0.856 | 0.000659 | 0.00163 | 0.0000546 | 0.0000539 | 0.000027 | 0.0213 | 0.00000521 | 0.0000165 | 0.000261 | 0.0016 | 0.00000616 |
| 2045 Nov | 0.00000261 | 0.913 | 0.000526 | 1.4 | 0.000983 | 0.0000294 | 0.857 | 0.00066 | 0.00163 | 0.0000547 | 0.000054 | 0.000027 | 0.0213 | 0.00000521 | 0.0000165 | 0.000261 | 0.0016 | 0.00000616 |
| 2045 Dec | 0.00000261 | 0.913 | 0.000526 | 1.4 | 0.000983 | 0.0000294 | 0.857 | 0.00066 | 0.00163 | 0.0000547 | 0.000054 | 0.000027 | 0.0213 | 0.00000521 | 0.0000165 | 0.000261 | 0.0016 | 0.00000616 |
| 2046 Jan | 0.00000261 | 0.913 | 0.000526 | 1.4 | 0.000983 | 0.0000294 | 0.857 | 0.00066 | 0.00163 | 0.0000547 | 0.000054 | 0.000027 | 0.0213 | 0.00000521 | 0.0000165 | 0.000261 | 0.0016 | 0.00000616 |
| 2046 Feb | 0.00000261 | 0.913 | 0.000526 | 1.4 | 0.000983 | 0.0000294 | 0.857 | 0.00066 | 0.00163 | 0.0000547 | 0.000054 | 0.000027 | 0.0213 | 0.00000521 | 0.0000165 | 0.000261 | 0.0016 | 0.00000616 |
| 2046 Mar | 0.00000261 | 0.914 | 0.000526 | 1.4 | 0.000983 | 0.0000294 | 0.857 | 0.00066 | 0.00163 | 0.0000547 | 0.000054 | 0.000027 | 0.0213 | 0.00000521 | 0.0000165 | 0.000262 | 0.0016 | 0.00000616 |
| 2046 Apr | 0.00000261 | 0.914 | 0.000526 | 1.4 | 0.000984 | 0.0000294 | 0.857 | 0.00066 | 0.00163 | 0.0000547 | 0.000054 | 0.000027 | 0.0213 | 0.00000522 | 0.0000165 | 0.000262 | 0.00161 | 0.00000617 |
| 2046 May | 0.00000262 | 0.916 | 0.000528 | 1.4 | 0.000986 | 0.0000295 | 0.859 | 0.000662 | 0.00164 | 0.0000549 | 0.0000541 | 0.0000271 | 0.0214 | 0.00000523 | 0.0000165 | 0.000262 | 0.00161 | 0.00000618 |
| 2046 Jun | 0.00000258 | 0.931 | 0.000519 | 1.43 | 0.000884 | 0.0000285 | 0.871 | 0.000669 | 0.00171 | 0.0000491 | 0.0000531 | 0.0000265 | 0.0217 | 0.00000516 | 0.0000161 | 0.000258 | 0.00158 | 0.00000502 |
| 2046 Jul | 0.00000257 | 0.94 | 0.000517 | 1.44 | 0.000856 | 0.000028 | 0.878 | 0.000677 | 0.00175 | 0.0000458 | 0.0000527 | 0.0000263 | 0.0219 | 0.00000514 | 0.0000159 | 0.000257 | 0.00157 | 0.00000432 |
| 2046 Aug | 0.00000259 | 0.939 | 0.00052 | 1.44 | 0.000888 | 0.0000282 | 0.878 | 0.000678 | 0.00174 | 0.0000456 | 0.000053 | 0.0000265 | 0.0218 | 0.00000517 | 0.000016 | 0.000259 | 0.00158 | 0.00000425 |
| 2046 Sep | 0.00000257 | 0.92 | 0.000518 | 1.41 | 0.000901 | 0.0000282 | 0.86 | 0.000656 | 0.0017 | 0.0000443 | 0.0000526 | 0.0000265 | 0.0215 | 0.00000515 | 0.000016 | 0.000258 | 0.00157 | 0.000004 |
| 2046 Oct | 0.00000257 | 0.909 | 0.000516 | 1.39 | 0.000904 | 0.000028 | 0.851 | 0.000642 | 0.00167 | 0.0000452 | 0.0000525 | 0.0000266 | 0.0213 | 0.00000513 | 0.0000159 | 0.000257 | 0.00157 | 0.00000386 |
| 2046 Nov | 0.00000257 | 0.909 | 0.000516 | 1.39 | 0.000904 | 0.000028 | 0.851 | 0.000642 | 0.00167 | 0.0000457 | 0.0000526 | 0.0000267 | 0.0213 | 0.00000513 | 0.000016 | 0.000257 | 0.00157 | 0.00000386 |
| 2046 Dec | 0.00000257 | 0.909 | 0.000516 | 1.39 | 0.000904 | 0.000028 | 0.851 | 0.000642 | 0.00167 | 0.0000457 | 0.0000526 | 0.0000267 | 0.0213 | 0.00000513 | 0.000016 | 0.000257 | 0.00157 | 0.00000386 |
| 2047 Jan | 0.00000257 | 0.909 | 0.000516 | 1.39 | 0.000904 | 0.000028 | 0.851 | 0.000642 | 0.00167 | 0.0000457 | 0.0000526 | 0.0000267 | 0.0213 | 0.00000513 | 0.000016 | 0.000257 | 0.00157 | 0.00000386 |
| 2047 Feb | 0.00000257 | 0.909 | 0.000516 | 1.39 | 0.000904 | 0.000028 | 0.851 | 0.000642 | 0.00167 | 0.0000457 | 0.0000526 | 0.0000267 | 0.0213 | 0.00000513 | 0.000016 | 0.000257 | 0.00157 | 0.00000386 |
| 2047 Mar | 0.00000257 | 0.909 | 0.000516 | 1.39 | 0.000904 | 0.000028 | 0.851 | 0.000642 | 0.00167 | 0.0000457 | 0.0000526 | 0.0000267 | 0.0213 | 0.00000513 | 0.000016 | 0.000257 | 0.00157 | 0.00000386 |
| 2047 Apr | 0.00000257 | 0.91 | 0.000516 | 1.39 | 0.000905 | 0.0000281 | 0.851 | 0.000642 | 0.00167 | 0.0000457 | 0.0000526 | 0.0000267 | 0.0213 | 0.00000514 | 0.000016 | 0.000257 | 0.00157 | 0.00000386 |
| 2047 May | 0.00000257 | 0.906 | 0.000516 | 1.39 | 0.000895 | 0.000028 | 0.85 | 0.000644 | 0.00165 | 0.000045 | 0.0000525 | 0.0000266 | 0.0211 | 0.00000513 | 0.000016 | 0.000257 | 0.00157 | 0.00000373 |
| 2047 Jun | 0.00000254 | 0.891 | 0.000511 | 1.37 | 0.000826 | 0.0000272 | 0.842 | 0.000652 | 0.00156 | 0.0000407 | 0.0000518 | 0.0000262 | 0.0205 | 0.00000508 | 0.0000157 | 0.000255 | 0.00155 | 0.00000295 |
| 2047 Jul | 0.00000257 | 0.902 | 0.000516 | 1.39 | 0.000846 | 0.0000275 | 0.852 | 0.000662 | 0.00158 | 0.0000407 | 0.0000523 | 0.0000264 | 0.0208 | 0.00000514 | 0.0000159 | 0.000257 | 0.00156 | 0.00000289 |
| 2047 Aug | 0.00000259 | 0.903 | 0.00052 | 1.39 | 0.000877 | 0.0000277 | 0.853 | 0.000665 | 0.00158 | 0.0000407 | 0.0000527 | 0.0000266 | 0.0208 | 0.00000518 | 0.0000161 | 0.000259 | 0.00157 | 0.00000286 |
| 2047 Sep | 0.00000258 | 0.893 | 0.000519 | 1.37 | 0.000886 | 0.0000277 | 0.844 | 0.000651 | 0.00156 | 0.0000401 | 0.0000526 | 0.0000267 | 0.0206 | 0.00000517 | 0.000016 | 0.000259 | 0.00157 | 0.00000275 |
| 2047 Oct | 0.00000258 | 0.889 | 0.000518 | 1.37 | 0.000888 | 0.0000277 | 0.84 | 0.000645 | 0.00155 | 0.0000435 | 0.0000527 | 0.0000268 | 0.0206 | 0.00000516 | 0.000016 | 0.000259 | 0.00157 | 0.00000269 |
| 2047 Nov | 0.00000258 | 0.889 | 0.000519 | 1.37 | 0.000889 | 0.0000277 | 0.84 | 0.000645 | 0.00155 | 0.0000449 | 0.0000528 | 0.0000268 | 0.0206 | 0.00000517 | 0.000016 | 0.000259 | 0.00158 | 0.00000269 |
| 2047 Dec | 0.00000258 | 0.889 | 0.000519 | 1.37 | 0.000889 | 0.0000277 | 0.84 | 0.000645 | 0.00155 | 0.0000449 | 0.0000528 | 0.0000268 | 0.0206 | 0.00000517 | 0.000016 | 0.000259 | 0.00158 | 0.00000269 |
| 2048 Jan | 0.00000258 | 0.889 | 0.000519 | 1.37 | 0.000889 | 0.0000277 | 0.84 | 0.000645 | 0.00155 | 0.0000449 | 0.0000528 | 0.0000268 | 0.0206 | 0.00000517 | 0.000016 | 0.000259 | 0.00158 | 0.00000269 |
| 2048 Feb | 0.00000258 | 0.889 | 0.000519 | 1.37 | 0.000889 | 0.0000277 | 0.84 | 0.000645 | 0.00155 | 0.0000449 | 0.0000528 | 0.0000268 | 0.0206 | 0.00000517 | 0.000016 | 0.000259 | 0.00158 | 0.00000269 |
| 2048 Mar | 0.00000258 | 0.889 | 0.000519 | 1.37 | 0.000889 | 0.0000277 | 0.84 | 0.000645 | 0.00155 | 0.0000449 | 0.0000528 | 0.0000268 | 0.0206 | 0.00000517 | 0.000016 | 0.000259 | 0.00158 | 0.00000269 |
| 2048 Apr | 0.00000258 | 0.89 | 0.000519 | 1.37 | 0.000889 | 0.0000277 | 0.84 | 0.000645 | 0.00155 | 0.0000449 | 0.0000528 | 0.0000268 | 0.0206 | 0.00000517 | 0.000016 | 0.000259 | 0.00158 | 0.00000269 |
| 2048 May | 0.00000259 | 0.892 | 0.00052 | 1.37 | 0.000891 | 0.0000277 | 0.842 | 0.000647 | 0.00155 | 0.000045 | 0.0000529 | 0.0000269 | 0.0206 | 0.00000518 | 0.0000161 | 0.000259 | 0.00158 | 0.00000269 |
| 2048 Jun | 0.00000255 | 0.913 | 0.000511 | 1.4 | 0.000792 | 0.0000269 | 0.858 | 0.000657 | 0.00165 | 0.0000404 | 0.0000518 | 0.0000262 | 0.0211 | 0.0000051 | 0.0000156 | 0.000255 | 0.00155 | 0.0000021 |
| 2048 Jul | 0.00000253 | 0.923 | 0.000508 | 1.42 | 0.000771 | 0.0000265 | 0.866 | 0.000666 | 0.0017 | 0.0000378 | 0.0000514 | 0.000026 | 0.0214 | 0.00000507 | 0.0000154 | 0.000254 | 0.00154 | 0.00000176 |
| 2048 Aug | 0.00000256 | 0.926 | 0.000512 | 1.42 | 0.000806 | 0.0000268 | 0.869 | 0.000671 | 0.00171 | 0.0000379 | 0.0000518 | 0.0000262 | 0.0214 | 0.00000511 | 0.0000156 | 0.000256 | 0.00155 | 0.00000174 |
| 2048 Sep | 0.00000256 | 0.925 | 0.000514 | 1.42 | 0.000813 | 0.0000269 | 0.869 | 0.000669 | 0.0017 | 0.0000378 | 0.000052 | 0.0000263 | 0.0214 | 0.00000513 | 0.0000156 | 0.000257 | 0.00156 | 0.00000172 |
| 2048 Oct | 0.00000255 | 0.918 | 0.000512 | 1.41 | 0.000817 | 0.0000267 | 0.86 | 0.000663 | 0.00167 | 0.0000633 | 0.0000529 | 0.0000262 | 0.0213 | 0.00000511 | 0.0000156 | 0.000255 | 0.00158 | 0.00000164 |
| 2048 Nov | 0.00000255 | 0.917 | 0.000511 | 1.41 | 0.000819 | 0.0000267 | 0.857 | 0.000663 | 0.00165 | 0.0000766 | 0.0000535 | 0.0000262 | 0.0213 | 0.0000051 | 0.0000156 | 0.000255 | 0.0016 | 0.00000161 |
| 2048 Dec | 0.00000255 | 0.917 | 0.000511 | 1.41 | 0.000819 | 0.0000267 | 0.857 | 0.000663 | 0.00165 | 0.0000766 | 0.0000535 | 0.0000262 | 0.0213 | 0.0000051 | 0.0000156 | 0.000255 | 0.0016 | 0.00000161 |
| 2049 Jan | 0.00000255 | 0.917 | 0.000511 | 1.41 | 0.000819 | 0.0000267 | 0.857 | 0.000663 | 0.00165 | 0.0000766 | 0.0000535 | 0.0000262 | 0.0213 | 0.0000051 | 0.0000156 | 0.000255 | 0.0016 | 0.00000161 |
| 2049 Feb | 0.00000255 | 0.917 | 0.000511 | 1.41 | 0.000819 | 0.0000267 | 0.857 | 0.000662 | 0.00165 | 0.0000766 | 0.0000535 | 0.0000262 | 0.0213 | 0.0000051 | 0.0000156 | 0.000255 | 0.0016 | 0.00000161 |

**Appendix D21. Lake A18**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2049 Mar | 0.00000255 | 0.917 | 0.000511 | 1.41 | 0.000819 | 0.0000267 | 0.857 | 0.000663 | 0.00165 | 0.0000766 | 0.0000535 | 0.0000262 | 0.0213 | 0.0000051 | 0.0000156 | 0.000255 | 0.0016 | 0.00000161 |
| 2049 Apr | 0.00000255 | 0.917 | 0.000512 | 1.41 | 0.00082 | 0.0000267 | 0.858 | 0.000663 | 0.00166 | 0.0000766 | 0.0000536 | 0.0000262 | 0.0213 | 0.0000051 | 0.0000156 | 0.000255 | 0.0016 | 0.00000161 |
| 2049 May | 0.00000256 | 0.92 | 0.000513 | 1.41 | 0.000822 | 0.0000268 | 0.86 | 0.000665 | 0.00166 | 0.0000768 | 0.0000537 | 0.0000263 | 0.0214 | 0.00000512 | 0.0000156 | 0.000256 | 0.00161 | 0.00000162 |
| 2049 Jun | 0.00000253 | 0.936 | 0.000507 | 1.44 | 0.000738 | 0.0000262 | 0.874 | 0.000672 | 0.00174 | 0.0000653 | 0.0000525 | 0.0000258 | 0.0217 | 0.00000506 | 0.0000153 | 0.000253 | 0.00157 | 0.00000126 |
| 2049 Jul | 0.00000251 | 0.936 | 0.000504 | 1.44 | 0.000743 | 0.0000259 | 0.873 | 0.000676 | 0.00176 | 0.0000596 | 0.000052 | 0.0000256 | 0.0217 | 0.00000503 | 0.0000152 | 0.000252 | 0.00156 | 0.00000109 |
| 2049 Aug | 0.00000253 | 0.935 | 0.000507 | 1.44 | 0.000779 | 0.0000262 | 0.872 | 0.000677 | 0.00175 | 0.0000591 | 0.0000523 | 0.0000258 | 0.0217 | 0.00000506 | 0.0000153 | 0.000253 | 0.00157 | 0.00000107 |
| 2049 Sep | 0.00000253 | 0.919 | 0.000506 | 1.41 | 0.000798 | 0.0000263 | 0.858 | 0.000658 | 0.00171 | 0.0000574 | 0.0000521 | 0.0000259 | 0.0214 | 0.00000505 | 0.0000153 | 0.000253 | 0.00156 | 0.00000101 |
| 2049 Oct | 0.00000252 | 0.914 | 0.000505 | 1.4 | 0.000803 | 0.0000262 | 0.853 | 0.000652 | 0.00169 | 0.0000665 | 0.0000525 | 0.0000259 | 0.0213 | 0.00000505 | 0.0000153 | 0.000252 | 0.00157 | 0.000000985 |
| 2049 Nov | 0.00000252 | 0.914 | 0.000506 | 1.4 | 0.000804 | 0.0000263 | 0.853 | 0.000652 | 0.00169 | 0.0000691 | 0.0000526 | 0.0000259 | 0.0213 | 0.00000505 | 0.0000153 | 0.000253 | 0.00158 | 0.000000982 |
| 2049 Dec | 0.00000252 | 0.914 | 0.000506 | 1.4 | 0.000804 | 0.0000263 | 0.853 | 0.000652 | 0.00169 | 0.0000691 | 0.0000526 | 0.0000259 | 0.0213 | 0.00000505 | 0.0000153 | 0.000253 | 0.00158 | 0.000000981 |
| 2050 Jan | 0.00000252 | 0.914 | 0.000506 | 1.4 | 0.000804 | 0.0000263 | 0.853 | 0.000652 | 0.00169 | 0.0000691 | 0.0000526 | 0.0000259 | 0.0213 | 0.00000505 | 0.0000153 | 0.000253 | 0.00158 | 0.000000981 |
| 2050 Feb | 0.00000252 | 0.914 | 0.000506 | 1.4 | 0.000804 | 0.0000263 | 0.853 | 0.000652 | 0.00169 | 0.0000691 | 0.0000526 | 0.0000259 | 0.0213 | 0.00000505 | 0.0000153 | 0.000253 | 0.00158 | 0.000000981 |
| 2050 Mar | 0.00000252 | 0.914 | 0.000506 | 1.4 | 0.000804 | 0.0000263 | 0.853 | 0.000652 | 0.00169 | 0.0000691 | 0.0000526 | 0.0000259 | 0.0213 | 0.00000505 | 0.0000153 | 0.000253 | 0.00158 | 0.000000981 |
| 2050 Apr | 0.00000253 | 0.914 | 0.000506 | 1.4 | 0.000804 | 0.0000263 | 0.853 | 0.000653 | 0.00169 | 0.0000691 | 0.0000526 | 0.0000259 | 0.0213 | 0.00000505 | 0.0000153 | 0.000253 | 0.00158 | 0.000000981 |
| 2050 May | 0.00000253 | 0.916 | 0.000507 | 1.41 | 0.000806 | 0.0000263 | 0.855 | 0.000654 | 0.00169 | 0.0000693 | 0.0000527 | 0.000026 | 0.0214 | 0.00000506 | 0.0000154 | 0.000253 | 0.00158 | 0.000000983 |
| 2050 Jun | 0.00000252 | 0.929 | 0.000504 | 1.43 | 0.000753 | 0.000026 | 0.866 | 0.000662 | 0.00174 | 0.0000626 | 0.0000522 | 0.0000258 | 0.0216 | 0.00000504 | 0.0000152 | 0.000252 | 0.00156 | 0.000000837 |
| 2050 Jul | 0.00000252 | 0.935 | 0.000504 | 1.43 | 0.000756 | 0.0000259 | 0.871 | 0.00067 | 0.00176 | 0.0000576 | 0.0000519 | 0.0000257 | 0.0218 | 0.00000504 | 0.0000152 | 0.000252 | 0.00156 | 0.000000727 |
| 2050 Aug | 0.00000254 | 0.936 | 0.000508 | 1.44 | 0.000788 | 0.0000262 | 0.873 | 0.000673 | 0.00176 | 0.0000575 | 0.0000523 | 0.0000259 | 0.0218 | 0.00000507 | 0.0000153 | 0.000254 | 0.00157 | 0.000000718 |
| 2050 Sep | 0.00000254 | 0.928 | 0.000508 | 1.42 | 0.000803 | 0.0000263 | 0.865 | 0.000663 | 0.00174 | 0.0000565 | 0.0000523 | 0.0000259 | 0.0216 | 0.00000508 | 0.0000154 | 0.000254 | 0.00157 | 0.000000696 |
| 2050 Oct | 0.00000254 | 0.928 | 0.000509 | 1.42 | 0.000806 | 0.0000263 | 0.865 | 0.000662 | 0.00174 | 0.0000565 | 0.0000523 | 0.000026 | 0.0216 | 0.00000508 | 0.0000154 | 0.000254 | 0.00157 | 0.000000693 |
| 2050 Nov | 0.00000254 | 0.928 | 0.000509 | 1.42 | 0.000806 | 0.0000264 | 0.865 | 0.000662 | 0.00174 | 0.0000567 | 0.0000524 | 0.000026 | 0.0216 | 0.00000509 | 0.0000154 | 0.000254 | 0.00157 | 0.000000693 |
| 2050 Dec | 0.00000254 | 0.928 | 0.000509 | 1.42 | 0.000806 | 0.0000264 | 0.865 | 0.000662 | 0.00174 | 0.0000567 | 0.0000524 | 0.000026 | 0.0216 | 0.00000509 | 0.0000154 | 0.000254 | 0.00157 | 0.000000693 |
| 2051 Jan | 0.00000254 | 0.928 | 0.000509 | 1.42 | 0.000806 | 0.0000264 | 0.865 | 0.000662 | 0.00174 | 0.0000567 | 0.0000524 | 0.000026 | 0.0216 | 0.00000509 | 0.0000154 | 0.000254 | 0.00157 | 0.000000693 |
| 2051 Feb | 0.00000254 | 0.928 | 0.000509 | 1.42 | 0.000806 | 0.0000264 | 0.865 | 0.000662 | 0.00174 | 0.0000567 | 0.0000524 | 0.000026 | 0.0216 | 0.00000509 | 0.0000154 | 0.000254 | 0.00157 | 0.000000693 |
| 2051 Mar | 0.00000254 | 0.928 | 0.000509 | 1.42 | 0.000806 | 0.0000264 | 0.865 | 0.000662 | 0.00174 | 0.0000567 | 0.0000524 | 0.000026 | 0.0216 | 0.00000509 | 0.0000154 | 0.000254 | 0.00157 | 0.000000693 |
| 2051 Apr | 0.00000254 | 0.928 | 0.000509 | 1.42 | 0.000806 | 0.0000264 | 0.866 | 0.000663 | 0.00174 | 0.0000567 | 0.0000524 | 0.000026 | 0.0217 | 0.00000509 | 0.0000154 | 0.000255 | 0.00157 | 0.000000694 |
| 2051 May | 0.00000255 | 0.93 | 0.000511 | 1.43 | 0.000807 | 0.0000264 | 0.867 | 0.000665 | 0.00174 | 0.0000566 | 0.0000525 | 0.0000261 | 0.0217 | 0.0000051 | 0.0000154 | 0.000255 | 0.00157 | 0.00000069 |
| 2051 Jun | 0.00000251 | 0.926 | 0.000503 | 1.42 | 0.000727 | 0.0000258 | 0.867 | 0.00067 | 0.00172 | 0.0000484 | 0.0000514 | 0.0000256 | 0.0214 | 0.00000503 | 0.0000151 | 0.000251 | 0.00154 | 0.000000516 |
| 2051 Jul | 0.00000252 | 0.935 | 0.000505 | 1.44 | 0.000727 | 0.0000259 | 0.875 | 0.000677 | 0.00175 | 0.0000466 | 0.0000515 | 0.0000256 | 0.0216 | 0.00000505 | 0.0000152 | 0.000252 | 0.00154 | 0.000000474 |
| 2051 Aug | 0.00000253 | 0.927 | 0.000507 | 1.42 | 0.00077 | 0.0000262 | 0.867 | 0.000672 | 0.00173 | 0.0000459 | 0.0000517 | 0.0000257 | 0.0215 | 0.00000507 | 0.0000153 | 0.000253 | 0.00155 | 0.000000457 |
| 2051 Sep | 0.00000254 | 0.92 | 0.000508 | 1.41 | 0.000785 | 0.0000263 | 0.86 | 0.000662 | 0.0017 | 0.0000453 | 0.0000517 | 0.0000258 | 0.0213 | 0.00000507 | 0.0000154 | 0.000254 | 0.00155 | 0.000000443 |
| 2051 Oct | 0.00000253 | 0.912 | 0.000507 | 1.4 | 0.000792 | 0.0000263 | 0.852 | 0.000654 | 0.00167 | 0.0000602 | 0.0000523 | 0.0000259 | 0.0212 | 0.00000506 | 0.0000154 | 0.000253 | 0.00157 | 0.000000424 |
| 2051 Nov | 0.00000253 | 0.911 | 0.000506 | 1.4 | 0.000794 | 0.0000262 | 0.851 | 0.000653 | 0.00167 | 0.0000684 | 0.0000526 | 0.0000259 | 0.0212 | 0.00000506 | 0.0000154 | 0.000253 | 0.00158 | 0.000000419 |
| 2051 Dec | 0.00000253 | 0.911 | 0.000506 | 1.4 | 0.000794 | 0.0000262 | 0.851 | 0.000653 | 0.00167 | 0.0000684 | 0.0000526 | 0.0000259 | 0.0212 | 0.00000506 | 0.0000154 | 0.000253 | 0.00158 | 0.000000419 |
| 2052 Jan | 0.00000253 | 0.911 | 0.000506 | 1.4 | 0.000794 | 0.0000262 | 0.851 | 0.000653 | 0.00167 | 0.0000684 | 0.0000526 | 0.0000259 | 0.0212 | 0.00000506 | 0.0000154 | 0.000253 | 0.00158 | 0.000000419 |
| 2052 Feb | 0.00000253 | 0.911 | 0.000506 | 1.4 | 0.000794 | 0.0000262 | 0.851 | 0.000653 | 0.00167 | 0.0000684 | 0.0000526 | 0.0000259 | 0.0212 | 0.00000506 | 0.0000154 | 0.000253 | 0.00158 | 0.000000419 |
| 2052 Mar | 0.00000253 | 0.911 | 0.000506 | 1.4 | 0.000794 | 0.0000262 | 0.851 | 0.000653 | 0.00167 | 0.0000684 | 0.0000526 | 0.0000259 | 0.0212 | 0.00000506 | 0.0000154 | 0.000253 | 0.00158 | 0.000000419 |
| 2052 Apr | 0.00000253 | 0.911 | 0.000507 | 1.4 | 0.000794 | 0.0000262 | 0.851 | 0.000653 | 0.00167 | 0.0000684 | 0.0000527 | 0.0000259 | 0.0212 | 0.00000506 | 0.0000154 | 0.000253 | 0.00158 | 0.000000419 |
| 2052 May | 0.00000254 | 0.912 | 0.000508 | 1.4 | 0.000794 | 0.0000263 | 0.852 | 0.000655 | 0.00166 | 0.0000681 | 0.0000527 | 0.0000259 | 0.0212 | 0.00000507 | 0.0000154 | 0.000254 | 0.00158 | 0.000000416 |
| 2052 Jun | 0.00000252 | 0.92 | 0.000505 | 1.41 | 0.000741 | 0.000026 | 0.86 | 0.000664 | 0.00168 | 0.0000605 | 0.0000522 | 0.0000257 | 0.0213 | 0.00000505 | 0.0000153 | 0.000252 | 0.00156 | 0.000000343 |
| 2052 Jul | 0.00000255 | 0.931 | 0.000509 | 1.43 | 0.000747 | 0.0000262 | 0.871 | 0.000673 | 0.00171 | 0.0000591 | 0.0000525 | 0.0000259 | 0.0216 | 0.00000509 | 0.0000154 | 0.000255 | 0.00157 | 0.000000328 |
| 2052 Aug | 0.00000256 | 0.93 | 0.000512 | 1.43 | 0.000771 | 0.0000265 | 0.87 | 0.000673 | 0.00171 | 0.0000587 | 0.0000528 | 0.000026 | 0.0216 | 0.00000512 | 0.0000155 | 0.000256 | 0.00158 | 0.000000322 |
| 2052 Sep | 0.00000256 | 0.925 | 0.000513 | 1.42 | 0.000784 | 0.0000266 | 0.865 | 0.000665 | 0.00169 | 0.000058 | 0.0000528 | 0.0000261 | 0.0215 | 0.00000513 | 0.0000156 | 0.000256 | 0.00158 | 0.000000315 |
| 2052 Oct | 0.00000256 | 0.923 | 0.000513 | 1.42 | 0.000787 | 0.0000266 | 0.863 | 0.000663 | 0.00169 | 0.0000598 | 0.0000529 | 0.0000262 | 0.0214 | 0.00000513 | 0.0000156 | 0.000256 | 0.00159 | 0.000000312 |
| 2052 Nov | 0.00000256 | 0.923 | 0.000513 | 1.42 | 0.000787 | 0.0000266 | 0.863 | 0.000663 | 0.00169 | 0.0000602 | 0.0000529 | 0.0000262 | 0.0214 | 0.00000513 | 0.0000156 | 0.000256 | 0.00159 | 0.000000312 |
| 2052 Dec | 0.00000256 | 0.923 | 0.000513 | 1.42 | 0.000787 | 0.0000266 | 0.863 | 0.000663 | 0.00169 | 0.0000602 | 0.0000529 | 0.0000262 | 0.0214 | 0.00000513 | 0.0000156 | 0.000256 | 0.00159 | 0.000000311 |
| 2053 Jan | 0.00000256 | 0.923 | 0.000513 | 1.42 | 0.000787 | 0.0000266 | 0.863 | 0.000663 | 0.00169 | 0.0000602 | 0.0000529 | 0.0000262 | 0.0214 | 0.00000513 | 0.0000156 | 0.000256 | 0.00159 | 0.000000311 |
| 2053 Feb | 0.00000256 | 0.923 | 0.000513 | 1.42 | 0.000787 | 0.0000266 | 0.863 | 0.000663 | 0.00169 | 0.0000602 | 0.0000529 | 0.0000262 | 0.0214 | 0.00000513 | 0.0000156 | 0.000257 | 0.00159 | 0.000000311 |
| 2053 Mar | 0.00000256 | 0.923 | 0.000513 | 1.42 | 0.000787 | 0.0000266 | 0.863 | 0.000663 | 0.00169 | 0.0000602 | 0.0000529 | 0.0000262 | 0.0214 | 0.00000513 | 0.0000156 | 0.000257 | 0.00159 | 0.000000311 |
| 2053 Apr | 0.00000257 | 0.924 | 0.000514 | 1.42 | 0.000788 | 0.0000266 | 0.864 | 0.000663 | 0.00169 | 0.0000602 | 0.000053 | 0.0000262 | 0.0215 | 0.00000513 | 0.0000156 | 0.000257 | 0.00159 | 0.000000312 |
| 2053 May | 0.00000257 | 0.922 | 0.000514 | 1.41 | 0.000784 | 0.0000266 | 0.863 | 0.000666 | 0.00167 | 0.0000592 | 0.000053 | 0.0000262 | 0.0214 | 0.00000514 | 0.0000156 | 0.000257 | 0.00159 | 0.000000302 |
| 2053 Jun | 0.00000253 | 0.922 | 0.000507 | 1.42 | 0.000718 | 0.0000261 | 0.865 | 0.000671 | 0.00167 | 0.0000513 | 0.0000519 | 0.0000258 | 0.0213 | 0.00000507 | 0.0000153 | 0.000254 | 0.00156 | 0.000000234 |
| 2053 Jul | 0.00000255 | 0.934 | 0.000511 | 1.43 | 0.000719 | 0.0000262 | 0.876 | 0.000679 | 0.0017 | 0.0000503 | 0.0000523 | 0.0000259 | 0.0215 | 0.00000511 | 0.0000154 | 0.000255 | 0.00157 | 0.000000223 |
| 2053 Aug | 0.00000257 | 0.934 | 0.000515 | 1.43 | 0.00075 | 0.0000266 | 0.876 | 0.000681 | 0.0017 | 0.0000501 | 0.0000526 | 0.0000261 | 0.0216 | 0.00000515 | 0.0000156 | 0.000257 | 0.00158 | 0.00000022 |
| 2053 Sep | 0.00000258 | 0.932 | 0.000516 | 1.43 | 0.000762 | 0.0000267 | 0.874 | 0.000677 | 0.00169 | 0.0000498 | 0.0000527 | 0.0000262 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00158 | 0.000000216 |
| 2053 Oct | 0.00000258 | 0.931 | 0.000516 | 1.43 | 0.000765 | 0.0000267 | 0.873 | 0.000674 | 0.00169 | 0.0000525 | 0.0000529 | 0.0000263 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00159 | 0.000000214 |
| 2053 Nov | 0.00000258 | 0.931 | 0.000517 | 1.43 | 0.000766 | 0.0000267 | 0.872 | 0.000674 | 0.00168 | 0.0000561 | 0.0000531 | 0.0000263 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00159 | 0.000000213 |
| 2053 Dec | 0.00000258 | 0.93 | 0.000517 | 1.43 | 0.000766 | 0.0000267 | 0.872 | 0.000674 | 0.00168 | 0.0000561 | 0.0000531 | 0.0000263 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00159 | 0.000000213 |
| 2054 Jan | 0.00000258 | 0.93 | 0.000517 | 1.43 | 0.000766 | 0.0000267 | 0.872 | 0.000674 | 0.00168 | 0.0000561 | 0.0000531 | 0.0000263 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00159 | 0.000000213 |
| 2054 Feb | 0.00000258 | 0.93 | 0.000517 | 1.43 | 0.000766 | 0.0000267 | 0.872 | 0.000674 | 0.00168 | 0.0000561 | 0.0000531 | 0.0000263 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00159 | 0.000000213 |
| 2054 Mar | 0.00000258 | 0.93 | 0.000517 | 1.43 | 0.000766 | 0.0000267 | 0.872 | 0.000674 | 0.00168 | 0.0000561 | 0.0000531 | 0.0000263 | 0.0215 | 0.00000516 | 0.0000157 | 0.000258 | 0.00159 | 0.000000213 |
| 2054 Apr | 0.00000258 | 0.931 | 0.000517 | 1.43 | 0.000766 | 0.0000267 | 0.872 | 0.000674 | 0.00169 | 0.0000561 | 0.0000531 | 0.0000263 | 0.0215 | 0.00000517 | 0.0000157 | 0.000258 | 0.00159 | 0.000000213 |
| 2054 May | 0.00000259 | 0.932 | 0.000518 | 1.43 | 0.000767 | 0.0000268 | 0.874 | 0.000676 | 0.00168 | 0.000056 | 0.0000532 | 0.0000263 | 0.0215 | 0.00000518 | 0.0000157 | 0.000259 | 0.0016 | 0.000000212 |
| 2054 Jun | 0.00000255 | 0.923 | 0.000511 | 1.42 | 0.000712 | 0.0000262 | 0.868 | 0.000678 | 0.00165 | 0.0000491 | 0.0000521 | 0.0000259 | 0.0212 | 0.0000051 | 0.0000154 | 0.000255 | 0.00156 | 0.000000166 |
| 2054 Jul | 0.00000254 | 0.915 | 0.000509 | 1.41 | 0.00077 | 0.0000261 | 0.861 | 0.000679 | 0.00164 | 0.0000468 | 0.0000519 | 0.0000258 | 0.021 | 0.00000509 | 0.0000154 | 0.000254 | 0.00156 | 0.00000015 |

**Appendix D21. Lake A18**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2054 Aug | 0.00000254 | 0.892 | 0.000507 | 1.37 | 0.000834 | 0.0000265 | 0.838 | 0.00066 | 0.00159 | 0.000045 | 0.0000516 | 0.0000256 | 0.0205 | 0.00000507 | 0.0000155 | 0.000254 | 0.00155 | 0.000000138 |
| 2054 Sep | 0.00000253 | 0.876 | 0.000506 | 1.34 | 0.000859 | 0.0000267 | 0.823 | 0.000641 | 0.00155 | 0.0000437 | 0.0000515 | 0.0000257 | 0.0202 | 0.00000506 | 0.0000156 | 0.000253 | 0.00154 | 0.00000013 |
| 2054 Oct | 0.00000252 | 0.866 | 0.000503 | 1.33 | 0.000863 | 0.0000265 | 0.812 | 0.00063 | 0.00151 | 0.000072 | 0.0000525 | 0.0000257 | 0.0201 | 0.00000503 | 0.0000155 | 0.000252 | 0.00158 | 0.000000121 |
| 2054 Nov | 0.00000251 | 0.865 | 0.000503 | 1.33 | 0.000865 | 0.0000265 | 0.81 | 0.000631 | 0.0015 | 0.0000866 | 0.0000532 | 0.0000256 | 0.0201 | 0.00000503 | 0.0000155 | 0.000251 | 0.00159 | 0.000000118 |
| 2054 Dec | 0.00000251 | 0.865 | 0.000503 | 1.33 | 0.000865 | 0.0000265 | 0.81 | 0.000631 | 0.0015 | 0.0000866 | 0.0000532 | 0.0000256 | 0.0201 | 0.00000503 | 0.0000155 | 0.000251 | 0.00159 | 0.000000118 |
| 2055 Jan | 0.00000251 | 0.865 | 0.000503 | 1.33 | 0.000865 | 0.0000265 | 0.81 | 0.00063 | 0.0015 | 0.0000866 | 0.0000532 | 0.0000256 | 0.0201 | 0.00000503 | 0.0000155 | 0.000251 | 0.00159 | 0.000000118 |
| 2055 Feb | 0.00000251 | 0.865 | 0.000503 | 1.33 | 0.000865 | 0.0000265 | 0.81 | 0.00063 | 0.0015 | 0.0000866 | 0.0000532 | 0.0000256 | 0.0201 | 0.00000503 | 0.0000155 | 0.000251 | 0.00159 | 0.000000118 |
| 2055 Mar | 0.00000251 | 0.865 | 0.000503 | 1.33 | 0.000865 | 0.0000265 | 0.81 | 0.00063 | 0.0015 | 0.0000866 | 0.0000532 | 0.0000256 | 0.0201 | 0.00000503 | 0.0000155 | 0.000251 | 0.00159 | 0.000000118 |
| 2055 Apr | 0.00000252 | 0.865 | 0.000503 | 1.33 | 0.000865 | 0.0000265 | 0.81 | 0.000631 | 0.0015 | 0.0000866 | 0.0000532 | 0.0000257 | 0.0201 | 0.00000503 | 0.0000155 | 0.000252 | 0.0016 | 0.000000118 |
| 2055 May | 0.00000252 | 0.867 | 0.000504 | 1.33 | 0.000867 | 0.0000265 | 0.812 | 0.000632 | 0.0015 | 0.0000868 | 0.0000533 | 0.0000257 | 0.0201 | 0.00000504 | 0.0000155 | 0.000252 | 0.0016 | 0.000000119 |
| 2055 Jun | 0.00000251 | 0.893 | 0.000501 | 1.37 | 0.000789 | 0.0000261 | 0.834 | 0.000646 | 0.0016 | 0.0000753 | 0.0000525 | 0.0000255 | 0.0207 | 0.00000501 | 0.0000153 | 0.000251 | 0.00157 | 9.68E-08 |
| 2055 Jul | 0.00000251 | 0.905 | 0.000503 | 1.39 | 0.000786 | 0.0000261 | 0.845 | 0.000656 | 0.00165 | 0.0000695 | 0.0000523 | 0.0000255 | 0.021 | 0.00000502 | 0.0000153 | 0.000251 | 0.00157 | 8.55E-08 |
| 2055 Aug | 0.00000252 | 0.897 | 0.000504 | 1.38 | 0.000847 | 0.0000262 | 0.838 | 0.000656 | 0.00163 | 0.0000679 | 0.0000524 | 0.0000256 | 0.0208 | 0.00000504 | 0.0000154 | 0.000252 | 0.00157 | 8.22E-08 |
| 2055 Sep | 0.00000251 | 0.881 | 0.000503 | 1.35 | 0.000867 | 0.0000264 | 0.823 | 0.000637 | 0.00159 | 0.0000653 | 0.0000522 | 0.0000256 | 0.0205 | 0.00000503 | 0.0000154 | 0.000251 | 0.00156 | 7.74E-08 |
| 2055 Oct | 0.00000251 | 0.875 | 0.000503 | 1.34 | 0.00087 | 0.0000264 | 0.818 | 0.000628 | 0.00157 | 0.0000649 | 0.0000521 | 0.0000257 | 0.0204 | 0.00000503 | 0.0000154 | 0.000251 | 0.00156 | 7.56E-08 |
| 2055 Nov | 0.00000251 | 0.874 | 0.000503 | 1.34 | 0.00087 | 0.0000264 | 0.817 | 0.000627 | 0.00157 | 0.0000651 | 0.0000521 | 0.0000257 | 0.0204 | 0.00000503 | 0.0000154 | 0.000251 | 0.00156 | 7.53E-08 |
| 2055 Dec | 0.00000251 | 0.874 | 0.000503 | 1.34 | 0.000869 | 0.0000264 | 0.817 | 0.000626 | 0.00157 | 0.000065 | 0.0000521 | 0.0000257 | 0.0204 | 0.00000503 | 0.0000154 | 0.000251 | 0.00156 | 7.52E-08 |
| 2056 Jan | 0.00000251 | 0.874 | 0.000503 | 1.34 | 0.000869 | 0.0000264 | 0.817 | 0.000626 | 0.00157 | 0.000065 | 0.0000521 | 0.0000257 | 0.0204 | 0.00000503 | 0.0000154 | 0.000251 | 0.00156 | 7.52E-08 |
| 2056 Feb | 0.00000251 | 0.874 | 0.000503 | 1.34 | 0.000869 | 0.0000264 | 0.817 | 0.000626 | 0.00157 | 0.000065 | 0.0000521 | 0.0000257 | 0.0204 | 0.00000503 | 0.0000154 | 0.000251 | 0.00156 | 7.52E-08 |
| 2056 Mar | 0.00000251 | 0.874 | 0.000503 | 1.34 | 0.000869 | 0.0000264 | 0.817 | 0.000626 | 0.00157 | 0.000065 | 0.0000521 | 0.0000257 | 0.0204 | 0.00000503 | 0.0000154 | 0.000251 | 0.00156 | 7.52E-08 |
| 2056 Apr | 0.00000251 | 0.874 | 0.000503 | 1.34 | 0.000869 | 0.0000264 | 0.817 | 0.000626 | 0.00158 | 0.000065 | 0.0000521 | 0.0000257 | 0.0204 | 0.00000503 | 0.0000154 | 0.000251 | 0.00156 | 7.52E-08 |
| 2056 May | 0.00000252 | 0.873 | 0.000504 | 1.34 | 0.000861 | 0.0000264 | 0.818 | 0.00063 | 0.00156 | 0.0000635 | 0.0000522 | 0.0000258 | 0.0203 | 0.00000504 | 0.0000154 | 0.000252 | 0.00156 | 7.23E-08 |
| 2056 Jun | 0.00000249 | 0.86 | 0.000498 | 1.32 | 0.000785 | 0.0000258 | 0.813 | 0.000641 | 0.00147 | 0.0000537 | 0.0000512 | 0.0000253 | 0.0197 | 0.00000498 | 0.0000153 | 0.000249 | 0.00153 | 5.42E-08 |
| 2056 Jul | 0.00000251 | 0.871 | 0.000502 | 1.34 | 0.000791 | 0.000026 | 0.823 | 0.000648 | 0.0015 | 0.000053 | 0.0000515 | 0.0000255 | 0.02 | 0.00000502 | 0.0000154 | 0.000251 | 0.00154 | 5.25E-08 |
| 2056 Aug | 0.00000253 | 0.875 | 0.000506 | 1.35 | 0.000819 | 0.0000262 | 0.827 | 0.000653 | 0.0015 | 0.000053 | 0.0000519 | 0.0000257 | 0.0201 | 0.00000506 | 0.0000155 | 0.000253 | 0.00156 | 5.23E-08 |
| 2056 Sep | 0.00000254 | 0.874 | 0.000508 | 1.34 | 0.000826 | 0.0000263 | 0.826 | 0.00065 | 0.0015 | 0.0000528 | 0.0000521 | 0.0000259 | 0.0201 | 0.00000508 | 0.0000156 | 0.000254 | 0.00156 | 5.16E-08 |
| 2056 Oct | 0.00000253 | 0.867 | 0.000506 | 1.33 | 0.000831 | 0.0000262 | 0.818 | 0.00064 | 0.00147 | 0.0000718 | 0.0000528 | 0.0000259 | 0.02 | 0.00000506 | 0.0000155 | 0.000253 | 0.00158 | 4.91E-08 |
| 2056 Nov | 0.00000253 | 0.867 | 0.000506 | 1.33 | 0.000832 | 0.0000262 | 0.817 | 0.000641 | 0.00147 | 0.0000766 | 0.000053 | 0.0000259 | 0.02 | 0.00000506 | 0.0000155 | 0.000253 | 0.00159 | 4.87E-08 |
| 2056 Dec | 0.00000253 | 0.867 | 0.000506 | 1.33 | 0.000832 | 0.0000262 | 0.817 | 0.000641 | 0.00147 | 0.0000766 | 0.000053 | 0.0000259 | 0.02 | 0.00000506 | 0.0000155 | 0.000253 | 0.00159 | 4.87E-08 |
| 2057 Jan | 0.00000253 | 0.867 | 0.000506 | 1.33 | 0.000832 | 0.0000262 | 0.817 | 0.000641 | 0.00147 | 0.0000766 | 0.000053 | 0.0000259 | 0.02 | 0.00000506 | 0.0000155 | 0.000253 | 0.00159 | 4.87E-08 |
| 2057 Feb | 0.00000253 | 0.867 | 0.000506 | 1.33 | 0.000832 | 0.0000262 | 0.817 | 0.000641 | 0.00147 | 0.0000766 | 0.000053 | 0.0000259 | 0.02 | 0.00000506 | 0.0000155 | 0.000253 | 0.00159 | 4.87E-08 |
| 2057 Mar | 0.00000253 | 0.867 | 0.000506 | 1.33 | 0.000832 | 0.0000262 | 0.817 | 0.000641 | 0.00147 | 0.0000766 | 0.000053 | 0.0000259 | 0.02 | 0.00000506 | 0.0000155 | 0.000253 | 0.00159 | 4.87E-08 |
| 2057 Apr | 0.00000253 | 0.867 | 0.000506 | 1.33 | 0.000832 | 0.0000262 | 0.817 | 0.000641 | 0.00147 | 0.0000766 | 0.000053 | 0.0000259 | 0.02 | 0.00000506 | 0.0000155 | 0.000253 | 0.00159 | 4.87E-08 |
| 2057 May | 0.00000253 | 0.866 | 0.000507 | 1.33 | 0.000825 | 0.0000262 | 0.818 | 0.000644 | 0.00145 | 0.0000747 | 0.000053 | 0.0000259 | 0.0199 | 0.00000507 | 0.0000155 | 0.000253 | 0.00159 | 4.68E-08 |
| 2057 Jun | 0.00000252 | 0.861 | 0.000504 | 1.33 | 0.000777 | 0.0000259 | 0.818 | 0.000651 | 0.00142 | 0.0000656 | 0.0000523 | 0.0000257 | 0.0196 | 0.00000504 | 0.0000154 | 0.000252 | 0.00157 | 3.84E-08 |
| 2057 Jul | 0.00000254 | 0.866 | 0.000507 | 1.34 | 0.00081 | 0.000026 | 0.822 | 0.000658 | 0.00143 | 0.0000646 | 0.0000526 | 0.0000258 | 0.0197 | 0.00000507 | 0.0000155 | 0.000254 | 0.00158 | 3.73E-08 |
| 2057 Aug | 0.00000256 | 0.868 | 0.000512 | 1.34 | 0.000849 | 0.0000263 | 0.824 | 0.000661 | 0.00143 | 0.0000642 | 0.000053 | 0.000026 | 0.0198 | 0.00000512 | 0.0000157 | 0.000256 | 0.00159 | 3.67E-08 |
| 2057 Sep | 0.00000255 | 0.858 | 0.000511 | 1.32 | 0.000859 | 0.0000263 | 0.814 | 0.000645 | 0.00141 | 0.0000625 | 0.0000528 | 0.0000262 | 0.0196 | 0.00000511 | 0.0000157 | 0.000255 | 0.00158 | 3.51E-08 |
| 2057 Oct | 0.00000255 | 0.85 | 0.000509 | 1.31 | 0.000864 | 0.0000262 | 0.807 | 0.000633 | 0.0014 | 0.000069 | 0.0000529 | 0.0000263 | 0.0195 | 0.00000509 | 0.0000157 | 0.000255 | 0.00159 | 3.36E-08 |
| 2057 Nov | 0.00000255 | 0.85 | 0.000509 | 1.31 | 0.000864 | 0.0000262 | 0.807 | 0.000633 | 0.0014 | 0.0000706 | 0.000053 | 0.0000263 | 0.0195 | 0.00000509 | 0.0000157 | 0.000255 | 0.00159 | 3.36E-08 |
| 2057 Dec | 0.00000255 | 0.85 | 0.000509 | 1.31 | 0.000864 | 0.0000262 | 0.807 | 0.000633 | 0.0014 | 0.0000706 | 0.000053 | 0.0000263 | 0.0195 | 0.00000509 | 0.0000157 | 0.000255 | 0.00159 | 3.36E-08 |
| 2058 Jan | 0.00000255 | 0.85 | 0.000509 | 1.31 | 0.000864 | 0.0000262 | 0.807 | 0.000633 | 0.0014 | 0.0000706 | 0.000053 | 0.0000263 | 0.0195 | 0.00000509 | 0.0000157 | 0.000255 | 0.00159 | 3.36E-08 |
| 2058 Feb | 0.00000255 | 0.85 | 0.000509 | 1.31 | 0.000864 | 0.0000262 | 0.807 | 0.000633 | 0.0014 | 0.0000706 | 0.000053 | 0.0000263 | 0.0195 | 0.00000509 | 0.0000157 | 0.000255 | 0.00159 | 3.36E-08 |
| 2058 Mar | 0.00000255 | 0.85 | 0.000509 | 1.31 | 0.000864 | 0.0000262 | 0.807 | 0.000633 | 0.0014 | 0.0000706 | 0.000053 | 0.0000263 | 0.0195 | 0.00000509 | 0.0000157 | 0.000255 | 0.00159 | 3.36E-08 |
| 2058 Apr | 0.00000255 | 0.85 | 0.00051 | 1.31 | 0.000864 | 0.0000262 | 0.807 | 0.000633 | 0.0014 | 0.0000706 | 0.0000531 | 0.0000263 | 0.0195 | 0.0000051 | 0.0000157 | 0.000255 | 0.00159 | 3.36E-08 |
| 2058 May | 0.00000255 | 0.85 | 0.00051 | 1.31 | 0.000858 | 0.0000262 | 0.808 | 0.000636 | 0.00139 | 0.0000692 | 0.0000531 | 0.0000263 | 0.0195 | 0.0000051 | 0.0000157 | 0.000255 | 0.00159 | 3.25E-08 |
| 2058 Jun | 0.00000252 | 0.851 | 0.000504 | 1.32 | 0.000781 | 0.0000257 | 0.812 | 0.000646 | 0.00138 | 0.0000584 | 0.0000519 | 0.0000258 | 0.0193 | 0.00000504 | 0.0000154 | 0.000252 | 0.00156 | 2.47E-08 |
| 2058 Jul | 0.00000254 | 0.863 | 0.000508 | 1.33 | 0.000787 | 0.0000259 | 0.822 | 0.000655 | 0.00141 | 0.0000578 | 0.0000523 | 0.000026 | 0.0196 | 0.00000508 | 0.0000156 | 0.000254 | 0.00157 | 2.41E-08 |
| 2058 Aug | 0.00000256 | 0.867 | 0.000512 | 1.34 | 0.00081 | 0.0000262 | 0.826 | 0.000658 | 0.00142 | 0.0000578 | 0.0000527 | 0.0000262 | 0.0197 | 0.00000512 | 0.0000157 | 0.000256 | 0.00158 | 2.39E-08 |
| 2058 Sep | 0.00000255 | 0.852 | 0.00051 | 1.32 | 0.000822 | 0.0000261 | 0.812 | 0.000635 | 0.00139 | 0.0000558 | 0.0000524 | 0.0000264 | 0.0195 | 0.0000051 | 0.0000156 | 0.000255 | 0.00157 | 2.25E-08 |
| 2058 Oct | 0.00000254 | 0.843 | 0.000509 | 1.3 | 0.00083 | 0.000026 | 0.803 | 0.000619 | 0.00137 | 0.0000624 | 0.0000526 | 0.0000265 | 0.0193 | 0.00000509 | 0.0000156 | 0.000254 | 0.00158 | 2.14E-08 |
| 2058 Nov | 0.00000254 | 0.843 | 0.000509 | 1.3 | 0.000831 | 0.000026 | 0.802 | 0.000619 | 0.00136 | 0.0000666 | 0.0000528 | 0.0000265 | 0.0193 | 0.00000509 | 0.0000156 | 0.000254 | 0.00158 | 2.12E-08 |
| 2058 Dec | 0.00000254 | 0.843 | 0.000509 | 1.3 | 0.000831 | 0.000026 | 0.802 | 0.000619 | 0.00136 | 0.0000666 | 0.0000528 | 0.0000265 | 0.0193 | 0.00000509 | 0.0000156 | 0.000254 | 0.00158 | 2.12E-08 |
| 2059 Jan | 0.00000254 | 0.843 | 0.000509 | 1.3 | 0.000831 | 0.000026 | 0.802 | 0.000619 | 0.00136 | 0.0000666 | 0.0000528 | 0.0000265 | 0.0193 | 0.00000509 | 0.0000156 | 0.000254 | 0.00158 | 2.12E-08 |
| 2059 Feb | 0.00000254 | 0.843 | 0.000509 | 1.3 | 0.000831 | 0.000026 | 0.802 | 0.000619 | 0.00136 | 0.0000666 | 0.0000528 | 0.0000265 | 0.0193 | 0.00000509 | 0.0000156 | 0.000254 | 0.00158 | 2.12E-08 |
| 2059 Mar | 0.00000254 | 0.843 | 0.000509 | 1.3 | 0.000831 | 0.000026 | 0.802 | 0.000619 | 0.00136 | 0.0000666 | 0.0000528 | 0.0000265 | 0.0193 | 0.00000509 | 0.0000156 | 0.000254 | 0.00158 | 2.12E-08 |
| 2059 Apr | 0.00000254 | 0.843 | 0.000509 | 1.3 | 0.000831 | 0.000026 | 0.803 | 0.00062 | 0.00137 | 0.0000666 | 0.0000528 | 0.0000265 | 0.0194 | 0.00000509 | 0.0000156 | 0.000254 | 0.00158 | 2.12E-08 |
| 2059 May | 0.00000255 | 0.844 | 0.00051 | 1.3 | 0.000827 | 0.0000261 | 0.804 | 0.000623 | 0.00136 | 0.0000656 | 0.0000528 | 0.0000265 | 0.0193 | 0.0000051 | 0.0000156 | 0.000255 | 0.00159 | 2.07E-08 |
| 2059 Jun | 0.00000254 | 0.843 | 0.000507 | 1.3 | 0.000785 | 0.0000258 | 0.807 | 0.000634 | 0.00134 | 0.0000589 | 0.0000523 | 0.0000262 | 0.0192 | 0.00000507 | 0.0000155 | 0.000254 | 0.00157 | 1.73E-08 |
| 2059 Jul | 0.00000256 | 0.854 | 0.000512 | 1.32 | 0.000798 | 0.0000261 | 0.816 | 0.000642 | 0.00136 | 0.0000586 | 0.0000527 | 0.0000265 | 0.0194 | 0.00000512 | 0.0000157 | 0.000256 | 0.00158 | 0.000000017 |
| 2059 Aug | 0.00000258 | 0.856 | 0.000516 | 1.33 | 0.000824 | 0.0000263 | 0.819 | 0.000646 | 0.00137 | 0.0000585 | 0.0000531 | 0.0000266 | 0.0195 | 0.00000515 | 0.0000158 | 0.000258 | 0.00159 | 1.69E-08 |
| 2059 Sep | 0.00000257 | 0.847 | 0.000514 | 1.31 | 0.000835 | 0.0000263 | 0.81 | 0.000631 | 0.00135 | 0.0000571 | 0.0000529 | 0.0000267 | 0.0193 | 0.00000514 | 0.0000158 | 0.000257 | 0.00159 | 1.62E-08 |
| 2059 Oct | 0.00000256 | 0.836 | 0.000511 | 1.29 | 0.000844 | 0.0000261 | 0.797 | 0.000614 | 0.00132 | 0.0000795 | 0.0000537 | 0.0000268 | 0.0192 | 0.00000511 | 0.0000157 | 0.000256 | 0.00161 | 1.49E-08 |
| 2059 Nov | 0.00000256 | 0.837 | 0.000512 | 1.29 | 0.000845 | 0.0000261 | 0.797 | 0.000615 | 0.00132 | 0.0000832 | 0.0000538 | 0.0000268 | 0.0192 | 0.00000512 | 0.0000157 | 0.000256 | 0.00162 | 1.49E-08 |
| 2059 Dec | 0.00000256 | 0.837 | 0.000512 | 1.29 | 0.000845 | 0.0000261 | 0.797 | 0.000615 | 0.00132 | 0.0000831 | 0.0000538 | 0.0000268 | 0.0192 | 0.00000512 | 0.0000157 | 0.000256 | 0.00162 | 1.49E-08 |

**Appendix D21. Lake A18**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2060 Jan | 0.00000256 | 0.837 | 0.000512 | 1.29 | 0.000845 | 0.0000261 | 0.797 | 0.000615 | 0.00132 | 0.0000831 | 0.0000538 | 0.0000268 | 0.0192 | 0.00000512 | 0.0000157 | 0.000256 | 0.00162 | 1.49E-08 |
| 2060 Feb | 0.00000256 | 0.837 | 0.000512 | 1.29 | 0.000845 | 0.0000261 | 0.797 | 0.000615 | 0.00132 | 0.0000831 | 0.0000538 | 0.0000268 | 0.0192 | 0.00000512 | 0.0000157 | 0.000256 | 0.00162 | 1.49E-08 |
| 2060 Mar | 0.00000256 | 0.837 | 0.000512 | 1.29 | 0.000845 | 0.0000261 | 0.797 | 0.000615 | 0.00132 | 0.0000831 | 0.0000538 | 0.0000268 | 0.0192 | 0.00000512 | 0.0000157 | 0.000256 | 0.00162 | 1.49E-08 |
| 2060 Apr | 0.00000256 | 0.837 | 0.000512 | 1.29 | 0.000846 | 0.0000261 | 0.798 | 0.000615 | 0.00132 | 0.0000832 | 0.0000539 | 0.0000268 | 0.0192 | 0.00000512 | 0.0000157 | 0.000256 | 0.00162 | 1.49E-08 |
| 2060 May | 0.00000255 | 0.833 | 0.00051 | 1.29 | 0.00082 | 0.000026 | 0.797 | 0.000623 | 0.00128 | 0.0000766 | 0.0000534 | 0.0000266 | 0.019 | 0.0000051 | 0.0000157 | 0.000255 | 0.0016 | 1.32E-08 |
| 2060 Jun | 0.00000254 | 0.83 | 0.000507 | 1.29 | 0.000786 | 0.0000258 | 0.797 | 0.000631 | 0.00126 | 0.0000693 | 0.0000528 | 0.0000263 | 0.0188 | 0.00000507 | 0.0000156 | 0.000254 | 0.00158 | 1.14E-08 |
| 2060 Jul | 0.00000256 | 0.838 | 0.000512 | 1.3 | 0.000809 | 0.000026 | 0.804 | 0.000639 | 0.00128 | 0.000069 | 0.0000532 | 0.0000265 | 0.019 | 0.00000512 | 0.0000158 | 0.000256 | 0.0016 | 1.12E-08 |
| 2060 Aug | 0.00000256 | 0.827 | 0.000512 | 1.28 | 0.000877 | 0.0000262 | 0.793 | 0.000634 | 0.00126 | 0.0000665 | 0.0000531 | 0.0000264 | 0.0188 | 0.00000512 | 0.0000158 | 0.000256 | 0.00159 | 1.06E-08 |
| 2060 Sep | 0.00000254 | 0.805 | 0.000508 | 1.24 | 0.000904 | 0.0000264 | 0.771 | 0.000604 | 0.00123 | 0.0000623 | 0.0000525 | 0.0000264 | 0.0184 | 0.00000508 | 0.0000158 | 0.000254 | 0.00158 | 9.53E-09 |
| 2060 Oct | 0.00000253 | 0.799 | 0.000506 | 1.23 | 0.000907 | 0.0000263 | 0.764 | 0.000591 | 0.00122 | 0.0000696 | 0.0000527 | 0.0000265 | 0.0183 | 0.00000506 | 0.0000158 | 0.000253 | 0.00158 | 9.08E-09 |
| 2060 Nov | 0.00000253 | 0.799 | 0.000506 | 1.23 | 0.000908 | 0.0000263 | 0.764 | 0.000591 | 0.00122 | 0.0000725 | 0.0000528 | 0.0000265 | 0.0183 | 0.00000506 | 0.0000158 | 0.000253 | 0.00159 | 9.04E-09 |
| 2060 Dec | 0.00000253 | 0.799 | 0.000507 | 1.23 | 0.000908 | 0.0000263 | 0.764 | 0.000591 | 0.00122 | 0.0000725 | 0.0000528 | 0.0000265 | 0.0183 | 0.00000506 | 0.0000158 | 0.000253 | 0.00159 | 9.04E-09 |
| 2061 Jan | 0.00000253 | 0.799 | 0.000507 | 1.23 | 0.000908 | 0.0000263 | 0.764 | 0.000591 | 0.00122 | 0.0000725 | 0.0000528 | 0.0000265 | 0.0183 | 0.00000506 | 0.0000158 | 0.000253 | 0.00159 | 9.04E-09 |
| 2061 Feb | 0.00000253 | 0.799 | 0.000507 | 1.23 | 0.000908 | 0.0000263 | 0.764 | 0.000591 | 0.00122 | 0.0000725 | 0.0000528 | 0.0000265 | 0.0183 | 0.00000506 | 0.0000158 | 0.000253 | 0.00159 | 9.04E-09 |
| 2061 Mar | 0.00000253 | 0.799 | 0.000507 | 1.23 | 0.000908 | 0.0000263 | 0.764 | 0.000591 | 0.00122 | 0.0000725 | 0.0000528 | 0.0000265 | 0.0183 | 0.00000507 | 0.0000158 | 0.000253 | 0.00159 | 9.04E-09 |
| 2061 Apr | 0.00000253 | 0.8 | 0.000507 | 1.24 | 0.000908 | 0.0000263 | 0.765 | 0.000592 | 0.00122 | 0.0000725 | 0.0000529 | 0.0000265 | 0.0184 | 0.00000507 | 0.0000158 | 0.000253 | 0.00159 | 9.04E-09 |
| 2061 May | 0.00000254 | 0.801 | 0.000508 | 1.24 | 0.000899 | 0.0000263 | 0.768 | 0.000597 | 0.00121 | 0.0000709 | 0.0000529 | 0.0000265 | 0.0183 | 0.00000508 | 0.0000158 | 0.000254 | 0.00159 | 8.72E-09 |
| 2061 Jun | 0.00000249 | 0.812 | 0.000499 | 1.26 | 0.000797 | 0.0000256 | 0.779 | 0.000616 | 0.00125 | 0.0000579 | 0.0000514 | 0.0000258 | 0.0184 | 0.00000499 | 0.0000154 | 0.000249 | 0.00154 | 6.32E-09 |
| 2061 Jul | 0.0000025 | 0.82 | 0.000501 | 1.27 | 0.000831 | 0.0000257 | 0.786 | 0.000625 | 0.00128 | 0.0000559 | 0.0000515 | 0.0000258 | 0.0186 | 0.00000501 | 0.0000155 | 0.00025 | 0.00155 | 5.91E-09 |
| 2061 Aug | 0.00000252 | 0.822 | 0.000504 | 1.27 | 0.000864 | 0.000026 | 0.787 | 0.000628 | 0.00128 | 0.0000555 | 0.0000518 | 0.000026 | 0.0187 | 0.00000504 | 0.0000156 | 0.000252 | 0.00156 | 5.81E-09 |
| 2061 Sep | 0.00000252 | 0.817 | 0.000505 | 1.26 | 0.000875 | 0.0000261 | 0.782 | 0.00062 | 0.00128 | 0.0000547 | 0.0000518 | 0.000026 | 0.0186 | 0.00000505 | 0.0000156 | 0.000252 | 0.00155 | 5.65E-09 |
| 2061 Oct | 0.00000251 | 0.812 | 0.000503 | 1.26 | 0.000877 | 0.000026 | 0.775 | 0.000612 | 0.00126 | 0.0000731 | 0.0000525 | 0.000026 | 0.0186 | 0.00000503 | 0.0000156 | 0.000251 | 0.00158 | 5.37E-09 |
| 2061 Nov | 0.00000251 | 0.812 | 0.000503 | 1.26 | 0.000878 | 0.000026 | 0.775 | 0.000612 | 0.00126 | 0.0000789 | 0.0000528 | 0.000026 | 0.0186 | 0.00000503 | 0.0000156 | 0.000251 | 0.00158 | 5.32E-09 |
| 2061 Dec | 0.00000251 | 0.812 | 0.000503 | 1.26 | 0.000878 | 0.000026 | 0.775 | 0.000612 | 0.00126 | 0.0000789 | 0.0000528 | 0.000026 | 0.0186 | 0.00000503 | 0.0000156 | 0.000251 | 0.00158 | 5.32E-09 |
| 2062 Jan | 0.00000251 | 0.812 | 0.000503 | 1.26 | 0.000878 | 0.000026 | 0.775 | 0.000612 | 0.00126 | 0.0000789 | 0.0000528 | 0.000026 | 0.0186 | 0.00000503 | 0.0000156 | 0.000251 | 0.00158 | 5.32E-09 |
| 2062 Feb | 0.00000251 | 0.812 | 0.000503 | 1.26 | 0.000878 | 0.000026 | 0.775 | 0.000612 | 0.00126 | 0.0000788 | 0.0000528 | 0.000026 | 0.0186 | 0.00000503 | 0.0000156 | 0.000251 | 0.00158 | 5.32E-09 |
| 2062 Mar | 0.00000251 | 0.813 | 0.000503 | 1.26 | 0.000878 | 0.000026 | 0.775 | 0.000612 | 0.00126 | 0.0000789 | 0.0000528 | 0.000026 | 0.0186 | 0.00000503 | 0.0000156 | 0.000251 | 0.00158 | 5.32E-09 |
| 2062 Apr | 0.00000252 | 0.813 | 0.000503 | 1.26 | 0.000878 | 0.000026 | 0.776 | 0.000612 | 0.00126 | 0.0000789 | 0.0000528 | 0.0000261 | 0.0186 | 0.00000503 | 0.0000156 | 0.000252 | 0.00158 | 5.32E-09 |
| 2062 May | 0.00000252 | 0.814 | 0.000504 | 1.26 | 0.00088 | 0.000026 | 0.777 | 0.000613 | 0.00126 | 0.000079 | 0.0000529 | 0.0000261 | 0.0186 | 0.00000504 | 0.0000156 | 0.000252 | 0.00159 | 5.33E-09 |
| 2062 Jun | 0.0000025 | 0.848 | 0.0005 | 1.31 | 0.000797 | 0.0000257 | 0.804 | 0.00063 | 0.00141 | 0.0000687 | 0.000052 | 0.0000257 | 0.0195 | 0.000005 | 0.0000153 | 0.00025 | 0.00156 | 4.33E-09 |
| 2062 Jul | 0.00000249 | 0.869 | 0.000498 | 1.34 | 0.000774 | 0.0000255 | 0.82 | 0.000642 | 0.0015 | 0.0000614 | 0.0000515 | 0.0000255 | 0.02 | 0.00000498 | 0.0000152 | 0.000249 | 0.00155 | 3.61E-09 |
| 2062 Aug | 0.00000251 | 0.866 | 0.000501 | 1.33 | 0.000806 | 0.0000258 | 0.818 | 0.00064 | 0.00149 | 0.0000606 | 0.0000518 | 0.0000257 | 0.0199 | 0.00000501 | 0.0000153 | 0.000251 | 0.00155 | 3.52E-09 |
| 2062 Sep | 0.0000025 | 0.85 | 0.0005 | 1.31 | 0.000826 | 0.0000259 | 0.803 | 0.000619 | 0.00145 | 0.0000582 | 0.0000515 | 0.0000258 | 0.0196 | 0.000005 | 0.0000153 | 0.00025 | 0.00155 | 3.29E-09 |
| 2062 Oct | 0.00000248 | 0.832 | 0.000495 | 1.28 | 0.000835 | 0.0000256 | 0.783 | 0.000595 | 0.00139 | 0.0000902 | 0.0000525 | 0.0000258 | 0.0194 | 0.00000495 | 0.0000152 | 0.000248 | 0.00158 | 2.93E-09 |
| 2062 Nov | 0.00000248 | 0.832 | 0.000495 | 1.28 | 0.000837 | 0.0000256 | 0.783 | 0.000596 | 0.00139 | 0.0000972 | 0.0000529 | 0.0000258 | 0.0194 | 0.00000495 | 0.0000152 | 0.000248 | 0.00159 | 2.9E-09 |
| 2062 Dec | 0.00000248 | 0.832 | 0.000495 | 1.28 | 0.000837 | 0.0000256 | 0.783 | 0.000596 | 0.00139 | 0.0000972 | 0.0000529 | 0.0000258 | 0.0194 | 0.00000495 | 0.0000152 | 0.000248 | 0.00159 | 2.9E-09 |
| 2063 Jan | 0.00000248 | 0.832 | 0.000495 | 1.28 | 0.000837 | 0.0000256 | 0.783 | 0.000596 | 0.00139 | 0.0000972 | 0.0000529 | 0.0000258 | 0.0194 | 0.00000495 | 0.0000152 | 0.000248 | 0.00159 | 2.9E-09 |
| 2063 Feb | 0.00000248 | 0.832 | 0.000495 | 1.28 | 0.000837 | 0.0000256 | 0.783 | 0.000596 | 0.00139 | 0.0000972 | 0.0000529 | 0.0000258 | 0.0194 | 0.00000495 | 0.0000152 | 0.000248 | 0.00159 | 2.9E-09 |
| 2063 Mar | 0.00000248 | 0.832 | 0.000495 | 1.28 | 0.000837 | 0.0000256 | 0.783 | 0.000596 | 0.00139 | 0.0000972 | 0.0000529 | 0.0000258 | 0.0194 | 0.00000495 | 0.0000152 | 0.000248 | 0.00159 | 2.9E-09 |
| 2063 Apr | 0.00000248 | 0.832 | 0.000495 | 1.28 | 0.000837 | 0.0000256 | 0.783 | 0.000596 | 0.00139 | 0.0000972 | 0.0000529 | 0.0000258 | 0.0194 | 0.00000495 | 0.0000152 | 0.000248 | 0.00159 | 2.9E-09 |
| 2063 May | 0.00000248 | 0.833 | 0.000496 | 1.28 | 0.000835 | 0.0000256 | 0.784 | 0.000598 | 0.00139 | 0.0000963 | 0.0000529 | 0.0000258 | 0.0194 | 0.00000496 | 0.0000152 | 0.000248 | 0.00159 | 2.86E-09 |
| 2063 Jun | 0.00000246 | 0.857 | 0.000492 | 1.32 | 0.000735 | 0.0000252 | 0.808 | 0.000624 | 0.00147 | 0.0000754 | 0.0000515 | 0.0000253 | 0.0198 | 0.00000492 | 0.000015 | 0.000246 | 0.00155 | 2.03E-09 |
| 2063 Jul | 0.00000247 | 0.87 | 0.000494 | 1.34 | 0.00073 | 0.0000252 | 0.819 | 0.000632 | 0.00151 | 0.0000718 | 0.0000515 | 0.0000254 | 0.0201 | 0.00000494 | 0.000015 | 0.000247 | 0.00155 | 1.89E-09 |
| 2063 Aug | 0.00000249 | 0.875 | 0.000499 | 1.35 | 0.000759 | 0.0000255 | 0.824 | 0.000638 | 0.00152 | 0.0000718 | 0.000052 | 0.0000256 | 0.0202 | 0.00000499 | 0.0000151 | 0.000249 | 0.00156 | 1.88E-09 |
| 2063 Sep | 0.0000025 | 0.875 | 0.000501 | 1.35 | 0.000768 | 0.0000257 | 0.824 | 0.000637 | 0.00152 | 0.0000715 | 0.0000522 | 0.0000257 | 0.0202 | 0.00000501 | 0.0000152 | 0.00025 | 0.00157 | 1.86E-09 |
| 2063 Oct | 0.0000025 | 0.874 | 0.000501 | 1.35 | 0.000771 | 0.0000257 | 0.822 | 0.000636 | 0.00151 | 0.0000793 | 0.0000526 | 0.0000257 | 0.0202 | 0.00000501 | 0.0000152 | 0.00025 | 0.00158 | 1.83E-09 |
| 2063 Nov | 0.0000025 | 0.875 | 0.000501 | 1.35 | 0.000772 | 0.0000257 | 0.823 | 0.000636 | 0.00151 | 0.0000802 | 0.0000527 | 0.0000258 | 0.0202 | 0.00000501 | 0.0000152 | 0.00025 | 0.00158 | 1.83E-09 |
| 2063 Dec | 0.0000025 | 0.875 | 0.000501 | 1.35 | 0.000772 | 0.0000257 | 0.823 | 0.000636 | 0.00151 | 0.0000802 | 0.0000527 | 0.0000258 | 0.0202 | 0.00000501 | 0.0000152 | 0.00025 | 0.00158 | 1.83E-09 |
| 2064 Jan | 0.0000025 | 0.875 | 0.000501 | 1.35 | 0.000772 | 0.0000257 | 0.823 | 0.000636 | 0.00151 | 0.0000802 | 0.0000527 | 0.0000258 | 0.0202 | 0.00000501 | 0.0000152 | 0.00025 | 0.00158 | 1.83E-09 |
| 2064 Feb | 0.0000025 | 0.875 | 0.000501 | 1.35 | 0.000772 | 0.0000257 | 0.823 | 0.000636 | 0.00151 | 0.0000802 | 0.0000527 | 0.0000258 | 0.0202 | 0.00000501 | 0.0000152 | 0.00025 | 0.00158 | 1.83E-09 |
| 2064 Mar | 0.00000251 | 0.875 | 0.000501 | 1.35 | 0.000772 | 0.0000257 | 0.823 | 0.000636 | 0.00151 | 0.0000802 | 0.0000527 | 0.0000258 | 0.0202 | 0.00000501 | 0.0000152 | 0.000251 | 0.00158 | 1.83E-09 |
| 2064 Apr | 0.00000251 | 0.875 | 0.000501 | 1.35 | 0.000772 | 0.0000257 | 0.823 | 0.000637 | 0.00151 | 0.0000802 | 0.0000527 | 0.0000258 | 0.0202 | 0.00000501 | 0.0000152 | 0.000251 | 0.00158 | 1.83E-09 |
| 2064 May | 0.0000025 | 0.87 | 0.000501 | 1.34 | 0.000763 | 0.0000256 | 0.821 | 0.000639 | 0.00148 | 0.0000771 | 0.0000525 | 0.0000257 | 0.02 | 0.00000501 | 0.0000152 | 0.00025 | 0.00157 | 1.73E-09 |
| 2064 Jun | 0.00000249 | 0.861 | 0.000499 | 1.33 | 0.000727 | 0.0000254 | 0.818 | 0.000647 | 0.00142 | 0.000067 | 0.0000518 | 0.0000255 | 0.0196 | 0.00000499 | 0.0000152 | 0.000249 | 0.00155 | 1.4E-09 |
| 2064 Jul | 0.00000252 | 0.869 | 0.000503 | 1.34 | 0.000754 | 0.0000256 | 0.825 | 0.000655 | 0.00144 | 0.0000665 | 0.0000523 | 0.0000257 | 0.0198 | 0.00000503 | 0.0000154 | 0.000252 | 0.00157 | 1.37E-09 |
| 2064 Aug | 0.00000253 | 0.866 | 0.000506 | 1.34 | 0.000805 | 0.0000258 | 0.822 | 0.000657 | 0.00143 | 0.0000656 | 0.0000525 | 0.0000258 | 0.0198 | 0.00000506 | 0.0000155 | 0.000253 | 0.00157 | 1.34E-09 |
| 2064 Sep | 0.00000253 | 0.854 | 0.000505 | 1.32 | 0.000819 | 0.0000259 | 0.811 | 0.000639 | 0.00141 | 0.0000636 | 0.0000523 | 0.000026 | 0.0196 | 0.00000505 | 0.0000155 | 0.000253 | 0.00157 | 1.27E-09 |
| 2064 Oct | 0.00000253 | 0.851 | 0.000505 | 1.31 | 0.000823 | 0.0000259 | 0.809 | 0.000633 | 0.0014 | 0.0000631 | 0.0000523 | 0.0000261 | 0.0195 | 0.00000505 | 0.0000155 | 0.000253 | 0.00157 | 1.25E-09 |
| 2064 Nov | 0.00000253 | 0.852 | 0.000506 | 1.32 | 0.000824 | 0.0000259 | 0.809 | 0.000633 | 0.0014 | 0.0000633 | 0.0000523 | 0.0000261 | 0.0195 | 0.00000506 | 0.0000155 | 0.000253 | 0.00157 | 1.25E-09 |
| 2064 Dec | 0.00000253 | 0.852 | 0.000506 | 1.32 | 0.000824 | 0.0000259 | 0.809 | 0.000633 | 0.0014 | 0.0000633 | 0.0000523 | 0.0000261 | 0.0195 | 0.00000506 | 0.0000155 | 0.000253 | 0.00157 | 1.25E-09 |
| 2065 Jan | 0.00000253 | 0.852 | 0.000506 | 1.32 | 0.000824 | 0.0000259 | 0.809 | 0.000633 | 0.0014 | 0.0000633 | 0.0000523 | 0.0000261 | 0.0195 | 0.00000506 | 0.0000155 | 0.000253 | 0.00157 | 1.25E-09 |
| 2065 Feb | 0.00000253 | 0.852 | 0.000506 | 1.32 | 0.000824 | 0.0000259 | 0.809 | 0.000633 | 0.0014 | 0.0000633 | 0.0000523 | 0.0000261 | 0.0195 | 0.00000506 | 0.0000155 | 0.000253 | 0.00157 | 1.25E-09 |
| 2065 Mar | 0.00000253 | 0.852 | 0.000506 | 1.32 | 0.000824 | 0.0000259 | 0.809 | 0.000634 | 0.00141 | 0.0000633 | 0.0000523 | 0.0000261 | 0.0195 | 0.00000506 | 0.0000155 | 0.000253 | 0.00157 | 1.25E-09 |
| 2065 Apr | 0.00000253 | 0.852 | 0.000506 | 1.32 | 0.000824 | 0.0000259 | 0.81 | 0.000634 | 0.00141 | 0.0000633 | 0.0000524 | 0.0000261 | 0.0195 | 0.00000506 | 0.0000155 | 0.000253 | 0.00157 | 1.25E-09 |
| 2065 May | 0.00000254 | 0.853 | 0.000507 | 1.32 | 0.000819 | 0.000026 | 0.811 | 0.000637 | 0.0014 | 0.0000622 | 0.0000524 | 0.0000261 | 0.0195 | 0.00000507 | 0.0000155 | 0.000254 | 0.00157 | 1.22E-09 |

**Appendix D21. Lake A18**

| Constituents | Mercury | Potassium | Lithium | Magnesium | Manganese | Molybdenum | Sodium | Nickel | Phosphorus | Lead | Antimony | Selenium | Strontium | Thallium | Uranium | Vanadium | Zinc | Radium 226 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2065 Jun | 0.00000251 | 0.867 | 0.000501 | 1.34 | 0.000744 | 0.0000255 | 0.823 | 0.000649 | 0.00145 | 0.0000534 | 0.0000514 | 0.0000257 | 0.0198 | 0.00000501 | 0.0000153 | 0.000251 | 0.00154 | 9.33E-10 |
| 2065 Jul | 0.00000253 | 0.88 | 0.000505 | 1.36 | 0.000751 | 0.0000257 | 0.834 | 0.000658 | 0.00149 | 0.0000523 | 0.0000518 | 0.0000258 | 0.0201 | 0.00000505 | 0.0000154 | 0.000253 | 0.00155 | 8.91E-10 |
| 2065 Aug | 0.00000255 | 0.882 | 0.000509 | 1.36 | 0.00078 | 0.000026 | 0.837 | 0.000661 | 0.00149 | 0.0000522 | 0.0000521 | 0.000026 | 0.0202 | 0.00000509 | 0.0000155 | 0.000255 | 0.00156 | 8.81E-10 |
| 2065 Sep | 0.00000255 | 0.875 | 0.000509 | 1.35 | 0.000791 | 0.000026 | 0.83 | 0.00065 | 0.00148 | 0.0000514 | 0.0000521 | 0.0000262 | 0.02 | 0.00000509 | 0.0000155 | 0.000255 | 0.00156 | 8.55E-10 |
| 2065 Oct | 0.00000253 | 0.862 | 0.000505 | 1.33 | 0.0008 | 0.0000258 | 0.816 | 0.000634 | 0.00144 | 0.0000785 | 0.000053 | 0.0000261 | 0.0199 | 0.00000505 | 0.0000154 | 0.000253 | 0.00159 | 7.91E-10 |
| 2065 Nov | 0.00000253 | 0.862 | 0.000505 | 1.33 | 0.000802 | 0.0000258 | 0.815 | 0.000634 | 0.00143 | 0.0000875 | 0.0000534 | 0.0000261 | 0.0199 | 0.00000505 | 0.0000154 | 0.000253 | 0.0016 | 7.8E-10 |
| 2065 Dec | 0.00000253 | 0.862 | 0.000505 | 1.33 | 0.000802 | 0.0000258 | 0.815 | 0.000634 | 0.00143 | 0.0000875 | 0.0000534 | 0.0000261 | 0.0199 | 0.00000505 | 0.0000154 | 0.000253 | 0.0016 | 7.8E-10 |
| 2066 Jan | 0.00000253 | 0.862 | 0.000505 | 1.33 | 0.000802 | 0.0000258 | 0.815 | 0.000634 | 0.00143 | 0.0000875 | 0.0000534 | 0.0000261 | 0.0199 | 0.00000505 | 0.0000154 | 0.000253 | 0.0016 | 7.8E-10 |
| 2066 Feb | 0.00000253 | 0.862 | 0.000505 | 1.33 | 0.000802 | 0.0000258 | 0.815 | 0.000634 | 0.00143 | 0.0000875 | 0.0000534 | 0.0000261 | 0.0199 | 0.00000505 | 0.0000154 | 0.000253 | 0.0016 | 7.8E-10 |
| 2066 Mar | 0.00000253 | 0.862 | 0.000505 | 1.33 | 0.000802 | 0.0000258 | 0.815 | 0.000634 | 0.00143 | 0.0000875 | 0.0000534 | 0.0000261 | 0.0199 | 0.00000505 | 0.0000154 | 0.000253 | 0.0016 | 7.8E-10 |
| 2066 Apr | 0.00000253 | 0.862 | 0.000505 | 1.33 | 0.000802 | 0.0000258 | 0.815 | 0.000635 | 0.00143 | 0.0000875 | 0.0000534 | 0.0000261 | 0.0199 | 0.00000505 | 0.0000154 | 0.000253 | 0.0016 | 7.8E-10 |
| 2066 May | 0.00000253 | 0.862 | 0.000506 | 1.33 | 0.0008 | 0.0000258 | 0.816 | 0.000637 | 0.00143 | 0.0000865 | 0.0000535 | 0.0000261 | 0.0199 | 0.00000506 | 0.0000155 | 0.000253 | 0.0016 | 7.67E-10 |
| 2066 Jun | 0.00000251 | 0.857 | 0.000502 | 1.32 | 0.000746 | 0.0000255 | 0.815 | 0.000646 | 0.00139 | 0.0000728 | 0.0000524 | 0.0000257 | 0.0195 | 0.00000502 | 0.0000153 | 0.000251 | 0.00157 | 5.97E-10 |
| 2066 Jul | 0.00000255 | 0.872 | 0.000509 | 1.35 | 0.00077 | 0.0000259 | 0.829 | 0.000658 | 0.00142 | 0.0000722 | 0.0000531 | 0.0000261 | 0.0199 | 0.00000509 | 0.0000155 | 0.000255 | 0.00159 | 5.86E-10 |
| 2066 Aug | 0.00000256 | 0.871 | 0.000512 | 1.34 | 0.0008 | 0.0000262 | 0.827 | 0.000657 | 0.00142 | 0.0000713 | 0.0000533 | 0.0000262 | 0.0199 | 0.00000512 | 0.0000157 | 0.000256 | 0.0016 | 5.73E-10 |
| 2066 Sep | 0.00000256 | 0.864 | 0.000512 | 1.33 | 0.000811 | 0.0000262 | 0.822 | 0.000646 | 0.00141 | 0.0000699 | 0.0000533 | 0.0000264 | 0.0198 | 0.00000512 | 0.0000157 | 0.000256 | 0.0016 | 5.55E-10 |
| 2066 Oct | 0.00000255 | 0.854 | 0.00051 | 1.32 | 0.000819 | 0.0000261 | 0.811 | 0.000631 | 0.00138 | 0.0000811 | 0.0000536 | 0.0000265 | 0.0196 | 0.0000051 | 0.0000156 | 0.000255 | 0.00161 | 5.24E-10 |
| 2066 Nov | 0.00000255 | 0.854 | 0.00051 | 1.32 | 0.000821 | 0.0000261 | 0.81 | 0.000631 | 0.00138 | 0.0000934 | 0.0000541 | 0.0000264 | 0.0196 | 0.0000051 | 0.0000156 | 0.000255 | 0.00162 | 5.15E-10 |
| 2066 Dec | 0.00000255 | 0.854 | 0.00051 | 1.32 | 0.000821 | 0.0000261 | 0.81 | 0.000631 | 0.00138 | 0.0000933 | 0.0000541 | 0.0000264 | 0.0196 | 0.0000051 | 0.0000156 | 0.000255 | 0.00162 | 5.14E-10 |
| 2067 Jan | 0.00000255 | 0.854 | 0.00051 | 1.32 | 0.000821 | 0.0000261 | 0.81 | 0.000631 | 0.00138 | 0.0000933 | 0.0000541 | 0.0000264 | 0.0196 | 0.0000051 | 0.0000156 | 0.000255 | 0.00162 | 5.14E-10 |
| 2067 Feb | 0.00000255 | 0.854 | 0.00051 | 1.32 | 0.000821 | 0.0000261 | 0.81 | 0.000631 | 0.00138 | 0.0000933 | 0.0000541 | 0.0000264 | 0.0196 | 0.0000051 | 0.0000156 | 0.000255 | 0.00162 | 5.14E-10 |
| 2067 Mar | 0.00000255 | 0.854 | 0.00051 | 1.32 | 0.000821 | 0.0000261 | 0.81 | 0.000631 | 0.00138 | 0.0000933 | 0.0000541 | 0.0000264 | 0.0196 | 0.0000051 | 0.0000156 | 0.000255 | 0.00162 | 5.14E-10 |
| 2067 Apr | 0.00000255 | 0.854 | 0.00051 | 1.32 | 0.000821 | 0.0000261 | 0.81 | 0.000631 | 0.00138 | 0.0000934 | 0.0000542 | 0.0000264 | 0.0196 | 0.0000051 | 0.0000156 | 0.000255 | 0.00162 | 5.15E-10 |
| 2067 May | 0.00000256 | 0.854 | 0.000511 | 1.32 | 0.000814 | 0.0000261 | 0.811 | 0.000636 | 0.00136 | 0.0000905 | 0.0000541 | 0.0000264 | 0.0196 | 0.00000511 | 0.0000157 | 0.000256 | 0.00162 | 4.93E-10 |
| 2067 Jun | 0.00000253 | 0.85 | 0.000506 | 1.31 | 0.000766 | 0.0000258 | 0.811 | 0.000644 | 0.00134 | 0.0000782 | 0.0000531 | 0.000026 | 0.0193 | 0.00000506 | 0.0000155 | 0.000253 | 0.00159 | 4.01E-10 |
| 2067 Jul | 0.00000256 | 0.861 | 0.000512 | 1.33 | 0.000796 | 0.000026 | 0.82 | 0.000653 | 0.00137 | 0.0000774 | 0.0000536 | 0.0000263 | 0.0196 | 0.00000512 | 0.0000157 | 0.000256 | 0.00161 | 3.93E-10 |
| 2067 Aug | 0.00000256 | 0.844 | 0.000512 | 1.31 | 0.00091 | 0.0000261 | 0.805 | 0.000652 | 0.00134 | 0.0000736 | 0.0000534 | 0.0000263 | 0.0193 | 0.00000512 | 0.0000158 | 0.000256 | 0.0016 | 3.64E-10 |
| 2067 Sep | 0.00000257 | 0.843 | 0.000513 | 1.3 | 0.00092 | 0.0000263 | 0.804 | 0.000647 | 0.00134 | 0.0000728 | 0.0000535 | 0.0000264 | 0.0193 | 0.00000513 | 0.0000159 | 0.000257 | 0.00161 | 3.57E-10 |
| 2067 Oct | 0.00000256 | 0.84 | 0.000512 | 1.3 | 0.00092 | 0.0000262 | 0.8 | 0.000643 | 0.00133 | 0.0000825 | 0.0000539 | 0.0000263 | 0.0192 | 0.00000512 | 0.0000158 | 0.000256 | 0.00162 | 3.49E-10 |
| 2067 Nov | 0.00000256 | 0.84 | 0.000512 | 1.3 | 0.00092 | 0.0000263 | 0.8 | 0.000643 | 0.00133 | 0.000085 | 0.000054 | 0.0000263 | 0.0192 | 0.00000512 | 0.0000158 | 0.000256 | 0.00162 | 3.47E-10 |
| 2067 Dec | 0.00000256 | 0.84 | 0.000512 | 1.3 | 0.00092 | 0.0000263 | 0.8 | 0.000643 | 0.00133 | 0.000085 | 0.000054 | 0.0000263 | 0.0192 | 0.00000512 | 0.0000158 | 0.000256 | 0.00162 | 3.47E-10 |
| 2068 Jan | 0.00000256 | 0.84 | 0.000512 | 1.3 | 0.00092 | 0.0000263 | 0.8 | 0.000643 | 0.00133 | 0.000085 | 0.000054 | 0.0000263 | 0.0192 | 0.00000512 | 0.0000158 | 0.000256 | 0.00162 | 3.47E-10 |
| 2068 Feb | 0.00000256 | 0.84 | 0.000512 | 1.3 | 0.00092 | 0.0000263 | 0.8 | 0.000643 | 0.00133 | 0.000085 | 0.000054 | 0.0000263 | 0.0192 | 0.00000512 | 0.0000158 | 0.000256 | 0.00162 | 3.47E-10 |
| 2068 Mar | 0.00000256 | 0.84 | 0.000512 | 1.3 | 0.00092 | 0.0000263 | 0.8 | 0.000643 | 0.00133 | 0.000085 | 0.000054 | 0.0000263 | 0.0192 | 0.00000512 | 0.0000158 | 0.000256 | 0.00162 | 3.47E-10 |
| 2068 Apr | 0.00000256 | 0.841 | 0.000513 | 1.3 | 0.000921 | 0.0000263 | 0.801 | 0.000644 | 0.00133 | 0.0000851 | 0.0000541 | 0.0000264 | 0.0193 | 0.00000513 | 0.0000158 | 0.000256 | 0.00162 | 3.48E-10 |
| 2068 May | 0.00000256 | 0.84 | 0.000513 | 1.3 | 0.000905 | 0.0000262 | 0.801 | 0.000647 | 0.00131 | 0.0000818 | 0.0000539 | 0.0000263 | 0.0192 | 0.00000513 | 0.0000158 | 0.000256 | 0.00162 | 3.28E-10 |
| 2068 Jun | 0.00000251 | 0.833 | 0.000503 | 1.29 | 0.000813 | 0.0000256 | 0.798 | 0.000651 | 0.00129 | 0.000067 | 0.0000522 | 0.0000257 | 0.0188 | 0.00000503 | 0.0000155 | 0.000251 | 0.00157 | 2.45E-10 |
| 2068 Jul | 0.00000254 | 0.846 | 0.000508 | 1.31 | 0.000822 | 0.0000258 | 0.81 | 0.00066 | 0.00132 | 0.0000664 | 0.0000527 | 0.0000259 | 0.0191 | 0.00000508 | 0.0000156 | 0.000254 | 0.00158 | 2.39E-10 |
| 2068 Aug | 0.00000257 | 0.852 | 0.000513 | 1.32 | 0.000843 | 0.0000262 | 0.815 | 0.000664 | 0.00133 | 0.0000663 | 0.0000532 | 0.0000262 | 0.0193 | 0.00000513 | 0.0000158 | 0.000257 | 0.0016 | 2.38E-10 |
| 2068 Sep | 0.00000257 | 0.847 | 0.000514 | 1.31 | 0.000854 | 0.0000263 | 0.81 | 0.000655 | 0.00132 | 0.0000653 | 0.0000532 | 0.0000263 | 0.0192 | 0.00000514 | 0.0000159 | 0.000257 | 0.0016 | 2.31E-10 |
| 2068 Oct | 0.00000257 | 0.847 | 0.000514 | 1.31 | 0.000856 | 0.0000264 | 0.81 | 0.000653 | 0.00132 | 0.0000652 | 0.0000533 | 0.0000263 | 0.0192 | 0.00000514 | 0.0000159 | 0.000257 | 0.0016 | 2.3E-10 |
| 2068 Nov | 0.00000257 | 0.847 | 0.000515 | 1.31 | 0.000857 | 0.0000264 | 0.811 | 0.000653 | 0.00132 | 0.0000653 | 0.0000533 | 0.0000263 | 0.0192 | 0.00000515 | 0.0000159 | 0.000257 | 0.0016 | 2.3E-10 |
| 2068 Dec | 0.00000257 | 0.847 | 0.000515 | 1.31 | 0.000857 | 0.0000264 | 0.811 | 0.000653 | 0.00132 | 0.0000653 | 0.0000533 | 0.0000263 | 0.0192 | 0.00000515 | 0.0000159 | 0.000257 | 0.0016 | 2.3E-10 |
| 2069 Jan | 0.00000257 | 0.847 | 0.000515 | 1.31 | 0.000857 | 0.0000264 | 0.811 | 0.000653 | 0.00132 | 0.0000653 | 0.0000533 | 0.0000263 | 0.0192 | 0.00000515 | 0.0000159 | 0.000257 | 0.0016 | 2.3E-10 |
| 2069 Feb | 0.00000257 | 0.847 | 0.000515 | 1.31 | 0.000857 | 0.0000264 | 0.811 | 0.000653 | 0.00132 | 0.0000653 | 0.0000533 | 0.0000263 | 0.0192 | 0.00000515 | 0.0000159 | 0.000257 | 0.0016 | 2.3E-10 |
| 2069 Mar | 0.00000257 | 0.847 | 0.000515 | 1.31 | 0.000857 | 0.0000264 | 0.811 | 0.000653 | 0.00132 | 0.0000653 | 0.0000533 | 0.0000263 | 0.0192 | 0.00000515 | 0.0000159 | 0.000257 | 0.0016 | 2.3E-10 |
| 2069 Apr | 0.00000257 | 0.847 | 0.000515 | 1.31 | 0.000857 | 0.0000264 | 0.811 | 0.000654 | 0.00132 | 0.0000654 | 0.0000533 | 0.0000264 | 0.0192 | 0.00000515 | 0.0000159 | 0.000257 | 0.0016 | 2.3E-10 |
| 2069 May | 0.00000258 | 0.85 | 0.000516 | 1.31 | 0.000858 | 0.0000265 | 0.813 | 0.000656 | 0.00132 | 0.0000653 | 0.0000535 | 0.0000264 | 0.0193 | 0.00000516 | 0.0000159 | 0.000258 | 0.0016 | 2.3E-10 |
| 2069 Jun | 0.00000257 | 0.869 | 0.000513 | 1.34 | 0.0008 | 0.0000262 | 0.829 | 0.000665 | 0.0014 | 0.0000589 | 0.0000529 | 0.0000262 | 0.0197 | 0.00000513 | 0.0000157 | 0.000257 | 0.00159 | 1.93E-10 |
| 2069 Jul | 0.0000026 | 0.883 | 0.000519 | 1.36 | 0.000811 | 0.0000265 | 0.842 | 0.000675 | 0.00144 | 0.0000583 | 0.0000534 | 0.0000265 | 0.0201 | 0.00000519 | 0.0000159 | 0.00026 | 0.0016 | 1.88E-10 |
| 2069 Aug | 0.00000261 | 0.88 | 0.000522 | 1.36 | 0.00084 | 0.0000269 | 0.838 | 0.000671 | 0.00143 | 0.0000575 | 0.0000536 | 0.0000266 | 0.02 | 0.00000522 | 0.000016 | 0.000261 | 0.00161 | 1.82E-10 |
| 2069 Sep | 0.00000259 | 0.864 | 0.000519 | 1.33 | 0.000861 | 0.000027 | 0.822 | 0.00065 | 0.0014 | 0.0000554 | 0.0000533 | 0.0000265 | 0.0197 | 0.00000519 | 0.0000161 | 0.000259 | 0.0016 | 1.71E-10 |
| 2069 Oct | 0.00000259 | 0.861 | 0.000519 | 1.33 | 0.000864 | 0.000027 | 0.819 | 0.000644 | 0.0014 | 0.0000557 | 0.0000532 | 0.0000266 | 0.0197 | 0.00000519 | 0.000016 | 0.000259 | 0.0016 | 1.68E-10 |
| 2069 Nov | 0.00000259 | 0.861 | 0.000519 | 1.33 | 0.000864 | 0.000027 | 0.819 | 0.000644 | 0.0014 | 0.0000564 | 0.0000533 | 0.0000266 | 0.0197 | 0.00000519 | 0.000016 | 0.000259 | 0.0016 | 1.68E-10 |
| 2069 Dec | 0.00000259 | 0.861 | 0.000519 | 1.33 | 0.000864 | 0.000027 | 0.819 | 0.000644 | 0.0014 | 0.0000564 | 0.0000533 | 0.0000266 | 0.0197 | 0.00000519 | 0.000016 | 0.000259 | 0.0016 | 1.68E-10 |

## APPENDIX D • 2023 FRESHET ACTION PLAN



AGNICO EAGLE

**MEADOWBANK COMPLEX**

# WHALE TAIL FRESHET ACTION PLAN

**MARCH 2024**

**VERSION 6**

## EXECUTIVE SUMMARY

The purpose of this Freshet Action Plan is to identify areas of concern around the Whale Tail Mine and the associated Hauling road needing to be managed in an organized and timely manner during the annual freshet period to prevent adverse environmental and operational impacts. The Plan outlines specified actions that will be taken by Agnico to manage and mitigate areas where environmental incidents could occur, as well as addressing historical incidents, specifically the WRSF dike seepage.

The freshet period is typically initiated during the annual snow and ice melt sometime around mid-May. During this period excess water is created and must be managed through additional pumping and management practices at vulnerable areas around the site. Mitigation techniques, timeframes and specified roles and responsibilities are outlined in this document for each area of concern.

The main areas of concern are the mining pit, the WT WRSF surrounding and pond, the IVR WRSF, the Whale Tail Attenuation Pond, the IVR attenuation Pond, the South Whale Tail Diversion Channel, and the IVR Diversion Channel.

It is important for all water management and associated infrastructure to be in good working order and adequate to manage the expected water flows associated with the freshet period; this includes but is not limited to pumps, ditch, culvert and sump maintenance, critical piping system installation and inspection, as well as adequate resource allocation for preparative work. A summary of the 2024 preparation works and roles and responsibilities is presented in the attached Appendix 1 (2024 Freshet Action Plan Procedures). Appendix 1 will be updated yearly to reflect changes in conditions at the Whale Tail site.

## DOCUMENT CONTROL

| Revision | | | | Pages Revised | Remarks |
|---|---|---|---|---|---|
| # | Prep. | Rev. | Date | | |
| 01 | Agnico | Internal | March 2019 | All | Initial Version |
| 02 | Agnico | Internal | March 2020 | All | Comprehensive update from 2019 plan |
| 03 | Agnico | Internal | March 2021 | All | Comprehensive update from 2020 plan to include IVR infrastructures |
| 04 | Agnico | Internal | March 2022 | All | Comprehensive update from 2021 plan |
| 05 | Agnico | Internal | March 2023 | 2 | Figure 2-1 was updated |
| | | | | 5 | Included the new pads that were built in 2022 |
| | | | | 6 | Section 2.13 was added to include the east and west abutment |
| | | | | Appendix 2 | Included a 2023 version |
| | | | | Appendix 3 | Included a 2023 version - Modifications with the pit transfers |
| 06 | Agnico | Internal | March 2024 | 4 | Section 2.4 was updated |
| | | | | 6 | Section 2.13 was removed |
| | | | | Appendix 1 | Freshet action plan procedure was updated |
| | | | | Appendix 2 | Snow management map was updated |
| | | | | Appendix 3 | Freshet flowchart and plan view were updated |

Prepared By: Meadowbank Environment

Approved by:

Eric Haley

Environment & Critical Infrastructure Superintendant

## TABLE OF CONTENTS

**1 INTRODUCTION ..... 1**

**2 AREAS OF CONCERN ..... 2**

2.1 Mining Pits and Pit Walls ..... 3
2.2 Whale Tail Waste Rock Storage Facility ..... 3
2.3 IVR Waste Rock Storage Facility ..... 3
2.4 South Whale Tail Diversion Channel ..... 4
2.5 IVI Diversion Channel ..... 4
2.6 Whale Tail Attenuation Pond ..... 4
2.7 Whale Tail Dike Seepage ..... 4
2.8 IVR Attenuation Pond ..... 5
2.9 Whale Tail Bulk FUEL STORAGE Facilities ..... 5
2.10 Haul road Culverts and bridges ..... 5
2.11 2023-2024 Pad Constructions and Road Culverts ..... 5
2.12 Underground WRSF Water Collection System ..... 6

**3 ADAPTIVE WATER MANAGEMENT STRATEGY ..... 6**

**4 SNOW MANAGEMENT ..... 6**

## LIST OF FIGURES

Figure 2-1: View of Whale Tail areas ..... 2

## List of Appendix

Appendix 1 - 2024 Freshet Action Plan Procedure

Appendix 2 – 2023-2024 Snow Management Map

Appendix 3 – 2024 Freshet flowchart and plan view

# 1 INTRODUCTION

The purpose of the Whale Tail (WT) Freshet Action Plan is to ensure that Agnico can address and manage excess water associated with the freshet season at the Whale Tail site, and to ensure Agnico has implemented specific management and mitigation measures in response to environmental incidents with potential for offsite impacts to water or land.

The freshet season is loosely defined as starting approximately May 15th, and in some cases, actions and mitigation measures can extend up to early fall when freezing re-occurs. There are many areas around the site that are vulnerable to excess water; the goal is to identify these areas and develop a clear plan with defined roles and responsibilities (amongst Agnico departments), and to manage the freshet flows.

In addition, several guiding principles are applicable to the formation of this plan. The highest priority principles are:

1) to ensure that the health and safety of Agnico employees is protected, especially with respect to mining operations when excess water is present.
2) to ensure that mine contact water from runoff or seepage is managed to prevent adverse environmental impacts; and
3) to make sure the site is in compliance with the Nunavut Water Board (NWB) License, Part D, Item 21 and Part E, Item 11.

The plan will identify the areas of concern and discuss the potential risks as well as mitigation measures necessary to address the identified issues. The overall site footprint has increased, and experience needs to be gained in identifying key location; lessons learned from the Meadowbank site will provide the necessary guidance. Appendix 1 contains the defined 2024 procedures, the roles and responsibilities and associated timelines. Agnico's intent is to update the Procedural Appendix on a yearly basis. There may be additional mitigation measures for a defined problem area or in some cases a previously defined issue may be permanently rectified.

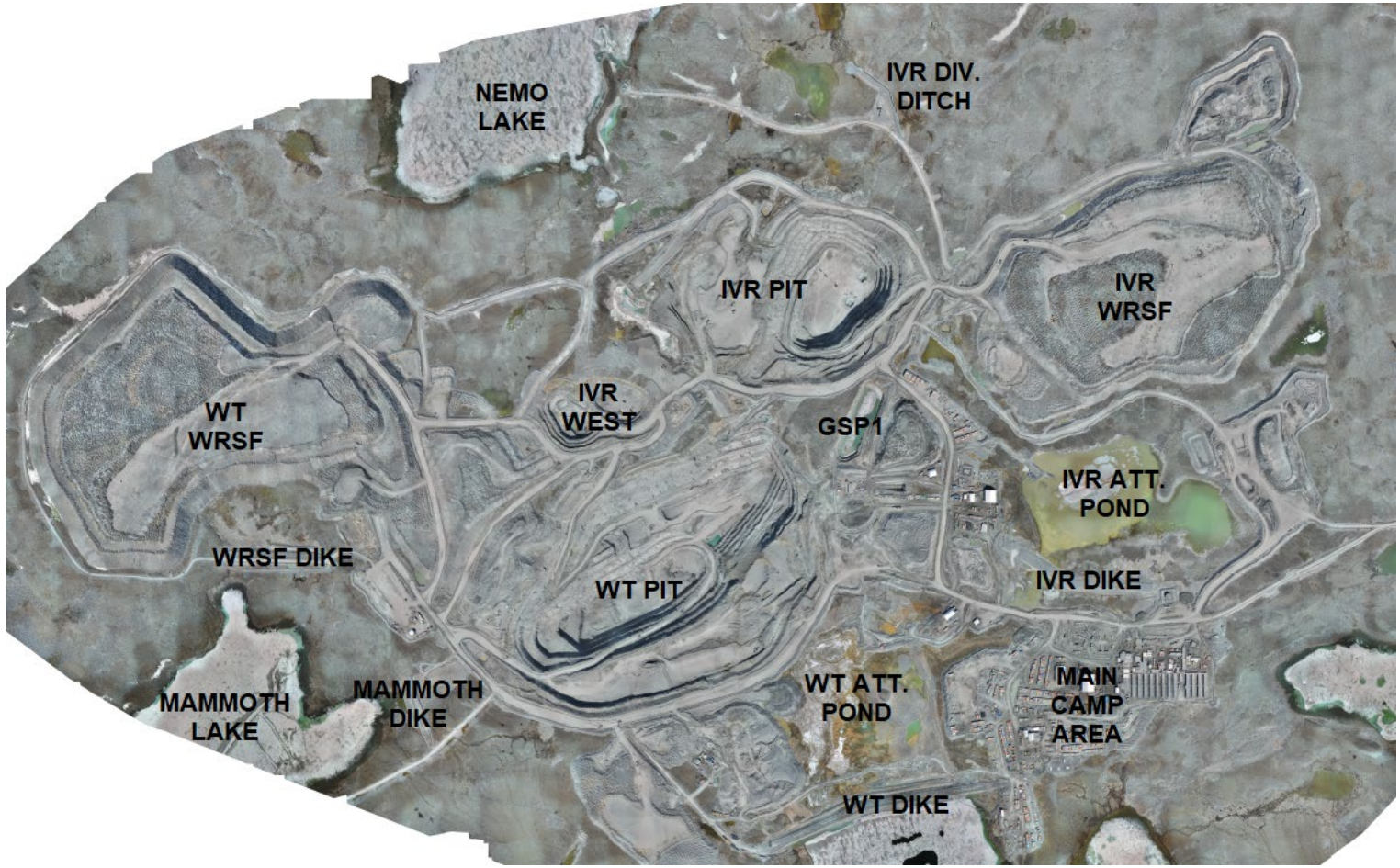
The main areas of concern are:

- Mining pits and pit walls;
- Whale Tail WRSF and WRSF pond;
- IVR WRSF;
- South Whale Tail Diversion Channel;
- IVR Diversion Channel;
- Whale Tail Attenuation pond;
- Whale Tail Dike Seepage;
- IVR Attenuation Pond;
- WT Fuel Tank farms;
- Haul road culverts and bridges;
- Pads and roads built since 2022;
- Underground WRSF; and
- Whale Tail Dike East and West Abutment.

Each area identified above will be discussed in detail below. All areas of concern are considered priorities based on the guiding principles.

# 2 AREAS OF CONCERN

**Table 2-1 View of Whale Tail Areas**



## 2.1 MINING PITS AND PIT WALLS

All ramps, jump ramps, ditches and sumps must be cleaned of all ice and snow before May in order to contain any water resulting from the snow melt. All allocated pumps must be checked and serviced before the month of May. In addition, a check must be completed confirming that all piping systems starting from the different pits leading to the Whale Tail attenuation pond are free of ice, or any obstruction.

The water management strategy for the pits will be to send water from the WT Pit and IVR Pit area to either the WT Attenuation Pond or the IVR Attenuation Pond.

- A sump and ditch system is used to manage runoff water within the pit footprints. The infrastructures location will be modified or added as required based on the mining sequence.
- Sumps outside of the pit footprint are planned to prevent runoff from reporting to the Pit and to prevent water from ponding against the pit crest.
    - At WT Pit this includes the sumps located at the downstream area of Mammoth Dike and the North-West sump;
    - At IVR Pit this include the sump located in former Lake A47 (A47-S sump) and in the Northern area of IVR Pit (A47-N sump).

## 2.2 WHALE TAIL WASTE ROCK STORAGE FACILITY

Runoff from the Whale Tail Waste Rock Storage Facility (WT WRSF) is collected by 5 sumps (WT WRSF 1,2,3,4 & 5) as well as the WRSF pond delimited by WRSF Dike. Water from these sumps is pumped to the WRSF Pond and the WRSF Pond water is pumped to the WT Attenuation Pond or IVR Attenuation Pond.

The WT WRSF will require weekly inspections around the perimeter beginning as soon as the freshet starts (May) until freeze up to identify any seepage. In the event that seepage is observed from the WT WRSF, it must be reported to the Environment Departments and samples must be taken to determine the water quality and source. A mitigation plan will be prepared and implemented if necessary. Based on field observation, it may be deemed necessary to remove snow accumulation in the sumps around the WT WRSF to mitigate risk of snowmelt reporting to the surrounding environment. Runoff originating from the WT WRSF ultimately ends up in the WT WRSF pond. In August 2019, seepage from this pond was found to have reported through the WRSF Dike to the Kangislulik Lake. Remediation measures put in place in 2020 demonstrated to be successful. Daily inspections of the WRSF Downstream Pond will be required to confirm no seepage is occurring. A pump must be available in this location to pump any water potentially seeping through the structure back into the WRSF Pond.

## 2.3 IVR WASTE ROCK STORAGE FACILITY

Runoff from the IVR Waste Rock Storage Facility (WRSF) is collected by 5 sumps (IW A,B,C,D,E). Water from these sumps is sent to the IVR Attenuation Pond either by pumping or by gravity.

The IVR Waste Rock Storage Facility (IVR WRSF) will require weekly inspections around the perimeter beginning as soon as the freshet starts (May) until freeze up to identify any seepage and ensure that the gravity flow to the IVR Attenuation Pond are occurring as planned. In the event that

seepage is observed from the IVR WRSF, it must be reported to the Environment Departments and samples must be taken to determine the water quality and source. A mitigation plan will be prepared and implemented if necessary. Based on fie[1]ld observation, it may be deemed necessary to remove snow accumulation in key locations around the IVR WRSF to mitigate risk of snowmelt reporting to the surrounding environment.

## 2.4 SOUTH WHALE TAIL DIVERSION CHANNEL

The South Whale Tail Diversion Channel was constructed in 2020. In early May, partial snow removal will be required in this infrastructure to form a preferential water path and prevent snow blockage. Daily inspection at the start of freshet will be required until freshet is completed and following rain events, to ensure no contaminant is transported into Kangislulik Lake.

## 2.5 IVI DIVERSION CHANNEL

The IVR Diversion Channel was constructed during the fall of 2020. The IVR Diversion Channel serves to divert the watershed reporting to the IVR Pit towards the C-Watershed. This will reduce the amount of contact water to manage on site. In early May, partial snow removal will be required in this infrastructure to form a preferential water path and prevent snow blockage. Daily inspection at the start of freshet will be required until freshet is completed and following rain events, to ensure no contaminant is transported into the surrounding environment. Additional mitigation measures may be required, based on field observations.

## 2.6 WHALE TAIL ATTENUATION POND

The Whale Tail Attenuation Pond is the secondary contact water management basin on site. Contact water from surrounding infrastructure is pumped to the pond. From there, Whale Tail Attenuation Pond water can be pumped to either the IVR Attenuation Pond or the AsWTP, for treatment, if required, and discharge to approved final effluent locations within Whale Tail South or Kangislulik Lake. A 10-day notice prior to changing effluent discharge locations must be submitted to CIRNAC. The plant's treatment abilities were designed to remove TSS and arsenic. All piping and the discharge diffuser must be inspected prior to freshet, in order to have all installations in place to proceed with pumping and/or treatment activities during freshet. The pond water levels will be managed closely and inspected regularly.

## 2.7 WHALE TAIL DIKE SEEPAGE

Water from the Whale Tail Dike seepage is reporting to the WT Attenuation Pond through either a pumping system or by gravity. If water quality criteria are met, it is possible for the system to discharge directly to WTS, a 10-day notice to ECCC would be required. The system is not expected to be put in operation due to the current water quality.

## 2.8 IVR ATTENUATION POND

The IVR Attenuation Pond is the main contact water management basin on site. Contact water from surrounding infrastructure is pumped to the pond. From there, water can be discharged to approved final effluent locations within Whale Tail South or Kangislulik Lake, or may be sent to the AsWTP, for treatment, if required, prior to discharge. A 10-day notice prior to changing effluent discharge locations must be submitted to CIRNAC. The plant's treatment abilities were designed to remove TSS and arsenic. All piping and the discharge diffuser must be inspected prior to freshet, in order to have all installations in place to proceed with pumping and/or treatment activities during freshet. The pond water levels will be managed closely and inspected regularly.

## 2.9 WHALE TAIL BULK FUEL STORAGE FACILITIES

The main fuel farm containments were built in 2019, and the underground genset secondary containment was built in 2021. All fuel tank farms will be monitored throughout freshet. Snow and ice accumulation within the fuel tank farms must be adequately managed to prevent overflow to the environment and/or damage to the fuel handling systems. The Energy and Infrastructure Department will advise the Environmental Department of their intent to pump the containment area once ice/snow begins to melt. Water samples will be taken in accordance with the Water License to ensure compliance prior to its release. A notice must be provided to the CIRNAC Inspector 10 days prior to this pumping activity. Once sample results have been obtained, the Environmental Department will advise the Energy and Infrastructure Department. If sample results permit, the pumping may begin to direct water to the tundra/ground in a way to prevent erosion. The volume of water pumped from secondary containment(s) will be track by the Energy and Infrastructure Department and/or Environment Department. In the event that the water sample results do not meet discharge criteria the water could be trucked in a tanker and transported to the Meadowbank site to be disposed of in the TSF.

## 2.10 HAUL ROAD CULVERTS AND BRIDGES

Daily inspections will be undertaken starting in May at all culverts and bridges along the Haul road to ensure that water during freshet is flowing freely and no erosion is occurring. If elevated TSS/Turbidity levels are observed sampling will occur and the results assessed. Turbidity barrier will be installed if required. The Mine department will also be advised if severe erosion/scouring is observed. In addition, snow and ice removal may be required to allow the water to flow as per design specifications. Daily inspections will be performed during the freshet period by the Environment department.

## 2.11 2023-2024 PAD CONSTRUCTIONS AND ROAD CULVERTS

Weekly inspections at the start of snowmelt will be required to monitor for potential erosion and sediment transport. Mitigation measures may be required to minimize transport of sediments towards water bodies. See below for a list of such constructions:

- Underground Emulsion transfer pads;
- Nemo Lake pad;
- Kangislulik Lake road; and

- Qamanittuaq SANA crusher pad.

In addition to the pads, some culverts around site drain towards water bodies. Daily inspections will be undertaken by the Environment Department starting in May for all culverts around the mine site to ensure the water during freshet is flowing freely and no erosion is occurring. If elevated TSS/Turbidity levels are observed sampling will occur and the results assessed. Turbidity control equipment will be installed if required. Snow and ice removal may be required to allow the water to flow as per design specifications.

### 2.12 UNDERGROUND WRSF WATER COLLECTION SYSTEM

The Underground WRSF Water Collection System was built in 2019 to collect any water running off the underground infrastructure, and direct runoff water into GSP1. Steaming of culverts may be necessary if snow or ice blockage are identified prior to the start of freshet. Weekly inspection will be required during freshet to validate operationality and liner integrity of collection system.

## 3 ADAPTIVE WATER MANAGEMENT STRATEGY

An Adaptive Water Management Plan was developed to document specific mitigation measures and associated management actions to be taken when specified thresholds are exceeded. Mitigation measures may include special studies, operational changes, revised or new water and waste management systems, structures and/or facilities, or implementing mitigation activities to prevent, stabilize or reverse a change in environmental conditions or to otherwise protect the receiving environment. The Adaptive Management Plan is to be reviewed periodically to account for the dynamics of mine construction and operation and adjusted as needed.

Various level thresholds were identified for surface water management, based on the capacity of different water management infrastructure to retain water on site. The objective is to trigger management strategy actions based on the capacity of these structures. The main management response is based on increasing the discharge rate especially when water is meeting effluent discharge criteria.

## 4 SNOW MANAGEMENT

A snow management procedure has been developed internally in 2020 and will be updated annually. Refer to Appendix 2 for the snow management map. Temporary snow storage dumps and snow accumulation areas of concern were identified on a map. Removal will be managed accordingly.

**APPENDIX 1**

**2024 Freshet Action Plan Procedure**

| Section | Area of Concern | Role/Action | Responsibilities | Dates |
|---|---|---|---|---|
| **2.1** | **MINING PITS AND PIT WALLS** | | | |
| 2.1 | Mining Pit and Pit walls - General | 1) Clean all ice, mud and snow on all permanent ramps, jump ramps, etc. | Mine Operations | Before May |
| | | 2) Check and service all pumps. | E&I (Energy and Infrastructure) and Maintenance | Before May |
| | | 3) Check that all piping systems starting from the pit leading to the Attenuation ponds are free of ice by validating pumping values (if pumping systems active) and/or performing an air test in the pipe with a compressor. | E&I/Mine Operations | Before May |
| **2.2** | **WHALE TAIL WASTE ROCK STORAGE FACILITY** | | | |
| 2.2. | WT WRSF Inspection | 1) Weekly inspection around the WRSF perimeter to identify any seepage. | Env. Department | May - as soon as freshet starts until freeze up |
| | | 2) Pump if required from the WRSF periphery to WRSF Pond | E&I | May - as soon as freshet starts until freeze up |
| | | 3) If seepage observed notify Env Department AND sample for Water License Parameters. | Env. Department | May - as soon as freshet starts until freeze up |

| | | | | |
|---|---|---|---|---|
| | WRSF Pond | **Perform daily inspections or inspections as required, and keep records.** | Env. Department | May - until freshet complete and after rain events |
| | | 1) Maintain WRSF Pond as dry as possible | E&I | May - until freeze up |
| | | 2) Pump any water reporting to the WRSF downstream water collection system – Volumes required to be documented | E&I/Engineering | May - until freeze up |
| | | 3) Sample upstream and downstream | Env. Department | May - until freeze up |
| | | 4) Report any discharge of TSS to Mammoth Lake to ECCC/NWB (if grab > 30 mg/L). | Env. Department | May - until freshet complete and after rain events |
| **2.3** | **IVR WASTE ROCK STORAGE FACILITY** | | | |
| 2.3. | IVR WRSF Inspection | 1) Weekly inspection around the IVR WRSF perimeter to identify any seepage. | Env. Department | May - as soon as freshet starts until freeze up |
| | | 2) Pump if required from the IVR WRSF periphery to IVR attenuation pond | E&I | May - as soon as freshet starts until freeze up |
| | | 3) If seepage observed notify Env Department AND sample for Water License Parameters. | Env. Department | May - as soon as freshet starts until freeze up |

| | | | | |
|---|---|---|---|---|
| **2.4** | **SOUTH WHALE TAIL DIVERSION CHANNEL** | | | |
| 2.4 | South Whale Tail Diversion Channel | 1) Perform daily inspections or inspections as required, and keep records. | Env. Department | May - until freshet complete and after rain events |
| | | 2) Install mitigation measures, if needed (elevated TSS observed), and maintain | Env. Department | May - until freshet complete and after rain events |
| | | 3) Sample monitoring for TSS, if excess turbidity observed - use external lab. | Env. Department | May - until freshet complete and after rain events |
| | | 4) Report any discharge of TSS to Mammoth Lake to ECCC/NWB (if grab > 30 mg/L). | Env. Department | May - until freshet complete and after rain events |
| **2.5** | **IVR DIVERSION CHANNEL** | | | |
| 2.5 | IVR Diversion Channel | 1) Perform daily inspections or inspections as required, and keep records. | Env. Department | May - until freshet complete and after rain events |
| | | 2) Install mitigation measures, if needed (elevated TSS observed), and maintain | Env. Department | May - until freshet complete and after rain events |
| | | 3) Sample monitoring for TSS, if excess turbidity observed - use external lab. | Env. Department | May - until freshet complete and after rain events |

| | | | | |
|---|---|---|---|---|
| | | 4) Report any discharge of TSS to Mammoth Lake to ECCC/NWB (if grab > 30 mg/L). | Env. Department | May - until freshet complete and after rain events |
| **2.6** | **WHALE TAIL ATTENUATION POND** | | | |
| 2.6 | Whale Tail Attenuation Pond | 1) Set-up pumping of the WT Attenuation Pond to prevent water from flowing into the pit area, keeping track of all daily volumes | E&I | At all time |
| | | 2) Notify Environmental Department before any environmental discharge. | E&I | At all time |
| | | 3) Inspect all piping and discharge diffuser | E&I | May |
| **2.8** | **IVR ATTENUATION POND** | | | |
| 2.8 | IVR Attenuation Pond | 1) Set-up pumping of IVR Attenuation Pond through the AsWTP, keeping track of all daily volumes | E&I | At all time |
| | | 2) Notify Environmental Department before any environmental discharge. | E&I | At all time |
| | | 3) Inspect all piping and discharge diffuser | E&I | May |
| **2.9** | **FUEL TANK FARMS** | | | |
| 2.9 | Bulk Fuel Storage Facilities (Main Tank Farm, Power House, | 1) E&I Dept to advise Env Dept in advance of intent to pump once ice melts in containment area. | E&I and Env. Department | Probably mid-June and September |

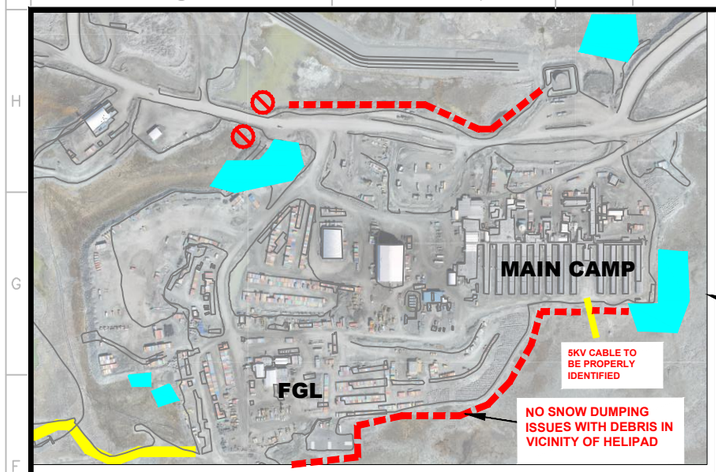
| | | | | |
|---|---|---|---|---|
| | Underground Gensets and Dyno) | 2) Sample water in accordance with Water License to ensure compliance with limits prior to release. | Env. Department | Probably mid-June and September |
| | | 3) Provide notice to Inspector 10 days prior to pumping. | Env. Department | Probably mid-June and September |
| | | 4) Advise Energy and Infrastructure Dept if pumping can begin based on sample results. | Env. Department | Probably mid-June and September |
| | | 5) Pump to tundra/ground or Meadowbank TSF. **NOTE: The water cannot be pumped out to the tundra if it does not meet the Water License criteria.** | E&I | Probably mid-June and September |
| **2.10** | **WHALE TAIL HAUL ROAD CULVERTS AND BRIDGES** | | | |
| 2.10 | Recent pad and road constructions | 1) Perform daily inspections or inspections as required, and keep records | Env. Department | May and after rain events |
| | | 2) Sample for TSS and Turbidity if elevated TSS observed. | Env. Department | May - until freeze up |
| | | 3) Notify E&I Dept & the mine department if severe erosion/scouring observed - for repair action. | Env. Department | May - until freeze up |
| | | 4) Install mitigation measures if required. | Env. Department | May - until freeze up |
| **2.11** | **RECENT PAD AND ROAD CONSTRUCTIONS** | | | |

| | | | | |
|---|---|---|---|---|
| 2.11 | Recent pad and road constructions | 1) Perform daily inspections or inspections as required, and keep records | Env. Department | May and after rain events |
| | | 2) Weekly inspection of toes of constructions built in the last year. | Env. Department | May and after rain events |
| | | 3) Sample for TSS and Turbidity if elevated TSS observed. | Env. Department | May - until freeze up |
| | | 4) Notify E&I Dept if severe erosion/scouring observed - for repair action. | Env. Department | May - until freeze up |
| | | 5) Install mitigation measures if required. | Env. Department | May - until freeze up |

## APPENDIX 2

## 2023-2024 Snow Management Map

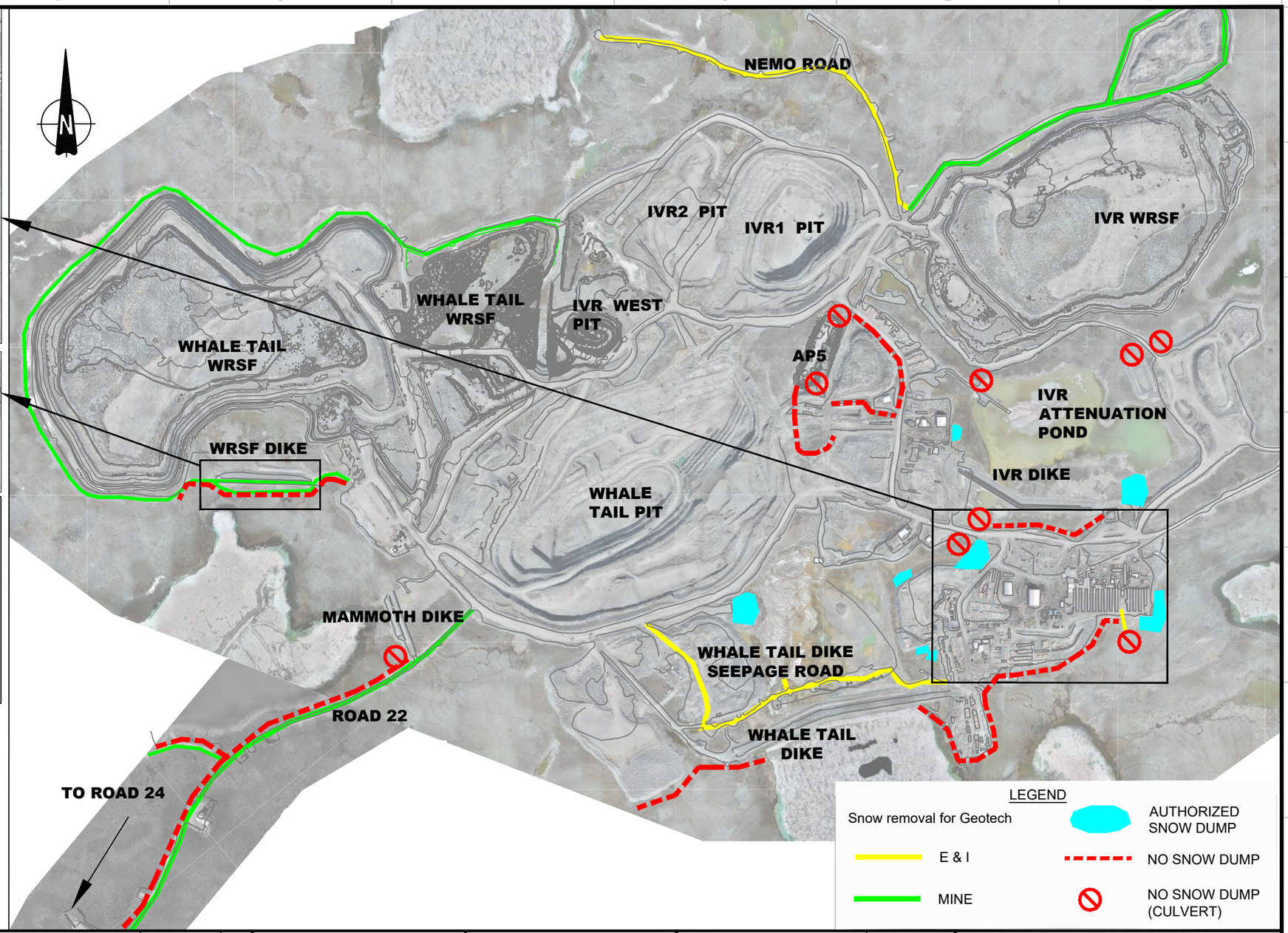
FORMAT ANSI B – LANDSCAPE










| TITLE | # DWG |
|---|---|
| REFERENCE DRAWINGS | |

| REV | DESCRIPTION | DATE | BY |
|---|---|---|---|
| 1 | Snow Management 2023–2024 | 10–30 | GB/TD |
| REVISIONS | | | |

AGNICO EAGLE
MEADOWBANK

| | | |
|---|---|---|
| DRAWN BY | C. Pelletier | DATE 10–13–23 |
| CHECKED BY | P. Gagnon | 2023–10–19 |
| APPROVED BY | P. Gagnon | 2023–10–19 |
| PROJECT NO. | | |
| DATE | | |

THE INFORMATION HERE ON IS THE PROPERTY OF AGNICO-EAGLE LTD. AND MUST BE RETURNED UPON REQUEST. WITHOUT WRITTEN PERMISSION, ANY COPYING TRANSMITTAL TO OTHERS AND ANY USE EXCEPT THAT FOR WHICH IT IS LOANED ARE PROHIBITED. © AGNICO-EAGLE LTD.

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
GEOTECHNICAL REQUIREMENTS
SNOW CLEARING MAP
2023–2024

| SCALE | FILE |
|---|---|
| N.T.S. | .DWG |

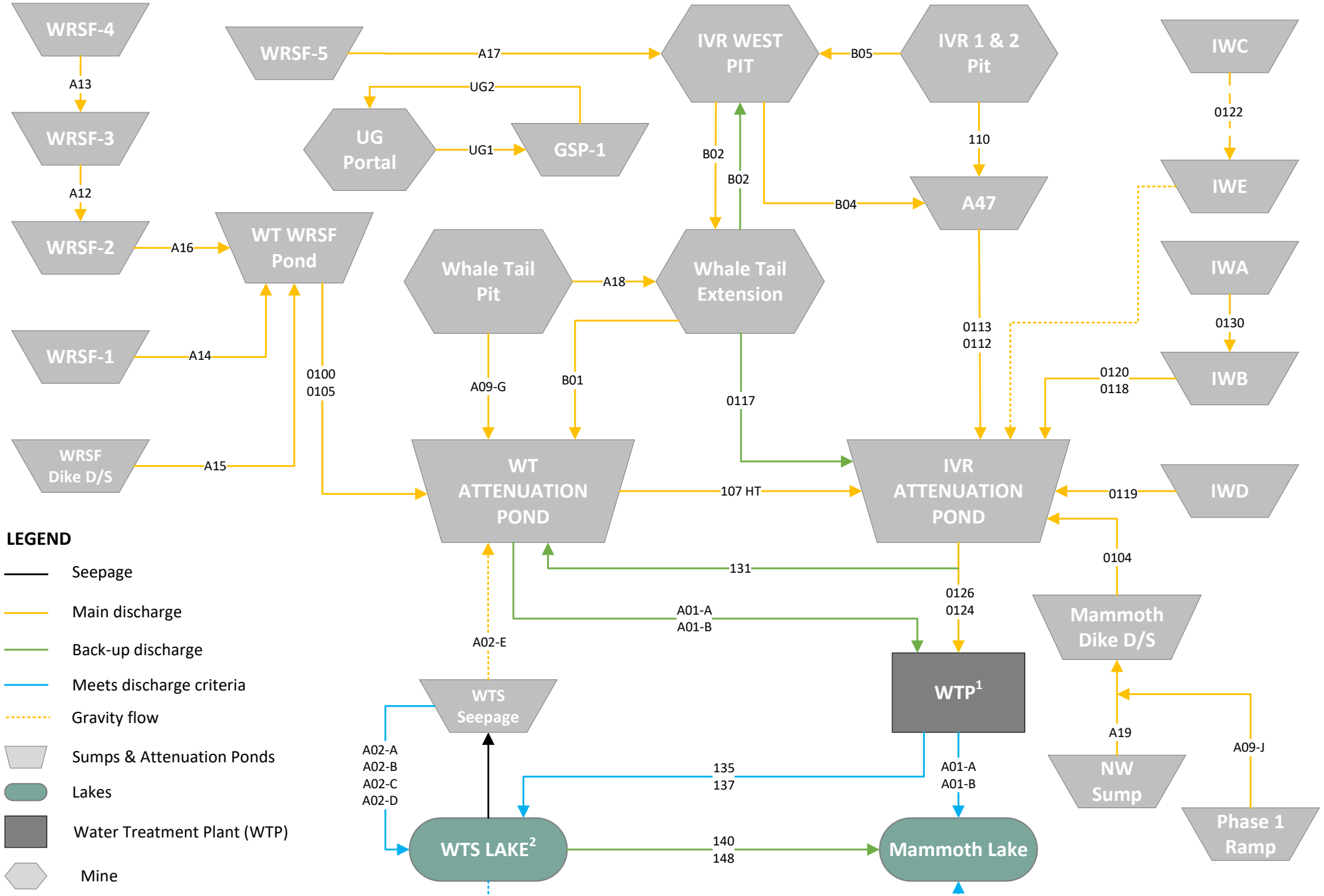
| DRAWING NO. | REVISION | SHEET |
|---|---|---|
| | | 1 / 1 |

\\CAMBFS01\Groups\Engineering\05–Geotechnic\14– Amaruq\04– Water Management\3– Operation\7 – Snow Management\2023–2024\AMQ Snow Clearing Map 2023_PG.dwg, 19 Oct 2023

**APPENDIX 3**

**2024 Freshet flowchart and plan view**

# Whale Tail Mine Freshet Detailed Flowsheet - 2024




[1] WTP can be by-passed if water quality in pond meet discharge criteria.

[2] Winter discharge (End of October to End of May).

Updated by : C. Pelletier
Date: 2024-02-28