AGNICO EAGLE

Meadowbank Division

WHALE TAIL MINE

Water Management Plan

JULY 2024

VERSION 13.1_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. v13

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). v13

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 3.3.1	23 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 3.7.12 3.10 5.0 Appendices	i-ii 33 42 49 N.A.	Updated to include Pushback Project Added new section Figure on pushback in IVR Adaptive Mgmt Updated WQ models	AEM – Permitting & Regulatory Affairs (all changes)
8	December 2021	3.4 3.8	17 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)	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 Section 1: Removed mention of material in IVR pushback Table 3.1: Added target 2024 water objectives and removed 2021. 3.5.1 Infrastructure Summary and 3.10.1 Flooding sequence: Changed inlet of SWTC to 154.25 masl Removed section 3.7.6 Water Management for overburden storage: All overburden was co-disposed. 3.7.13 Water Management for Landfill: Updated information Section 3.7.17: Refined information. Section 3.8 Freshwater management and section 3.10.1 Flooding sequence: Updated duration for reflooding of Whale tail Pit Section 4: Water quality forecast: Updated information and add note for ongoing work	
13_NWB	July 2024	Updates are shown with indicator of: Executive Summary, Section 1, Table 1.1, Table 3.3, Table 3.4, Appendix A	v13	Updated to include the 2024 Modification and water quality forecast. Updated years within mine plan	Agnico Eagle Permitting & Regulatory Affairs

Version	Date	Section	Page	Revision	Author
		Section 3.10, Section 3.10.2, Section 4, Appendix C		Updated and edited to include the 2024 Modification and water quality forecast.	
13.1	July 2024	Updates are shown with indicator of:	v13.1	Updated to include the 2024 Modification and water quality forecast.	
		Section 4		Updated to include water licence Part E Item 9 and 8 in section 4.0.	

TABLE OF CONTENTS

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

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

TABLE OF CONTENTS ..... **vii**

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 21

Whale Tail WRSF Dike 21
Northeast Dike (dismantled) 22
IVR Dike D-1 23
IVR Diversion Channel 23
3.6 Dewatering 23
3.7 Water Management Activity During Construction and Operations 24
3.7.1 Erosion and Sediment Control Plan 27
3.7.2 Whale Tail Attenuation Pond 28
3.7.3 IVR Attenuation Pond 28
3.7.4 Water Management in Whale Tail Waste Rock Storage Facility 28
3.7.5 Water Management in IVR Waste Rock Storage Facility 29
3.7.7 Water Management for Ore Stockpile Areas 29
3.7.8 Water Management for Quarry 1 29
3.7.9 Water Management for the Whale Tail Open Pit Sector 30
3.7.10 Water Management for the IVR Open Pit Sector 30
3.7.11 Water Management for the IVR and WT Pit Pushbacks 31
3.7.12 Water Management for Haul Roads 31
3.7.13 Water Management for Landfill 31
3.7.14 Sludge and Brine Management from Water Treatment Plants 31
3.7.15 Underground Water Management 32
3.7.16 Non-Contact Water Management 33
3.8 Freshwater Management 35
3.9 Sewage Water Management 37
3.10 Water Management During Closure 39
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 27
Table 3.6 Water Use Authorized for Domestic and Industrial Purposes During Construction and Operation 36
Table 3.7 Effluent Quality and Wastewater Characteristics 39
Table 3.8 Key Water Management Activities during Closure 43

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 40
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. v13

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. v13

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 v13 v13

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

v13

Phase	Year	General Activities
Construction	2018	• Construct site infrastructure • Develop open pit mine • Stockpile ore
Operations	2019 - 2027	• Open pits operations • Underground operations • Transport ore to Meadowbank Mine • Stockpile ore • Discharge Tailings in Meadowbank TSF
	2028	• Complete transportation of ore to Meadowbank Mine • Complete discharge of tailings in Meadowbank TSF
Active Closure	2029 – 2046	• Remove non-essential site infrastructure • Flood mined-out open pits and underground operations • 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

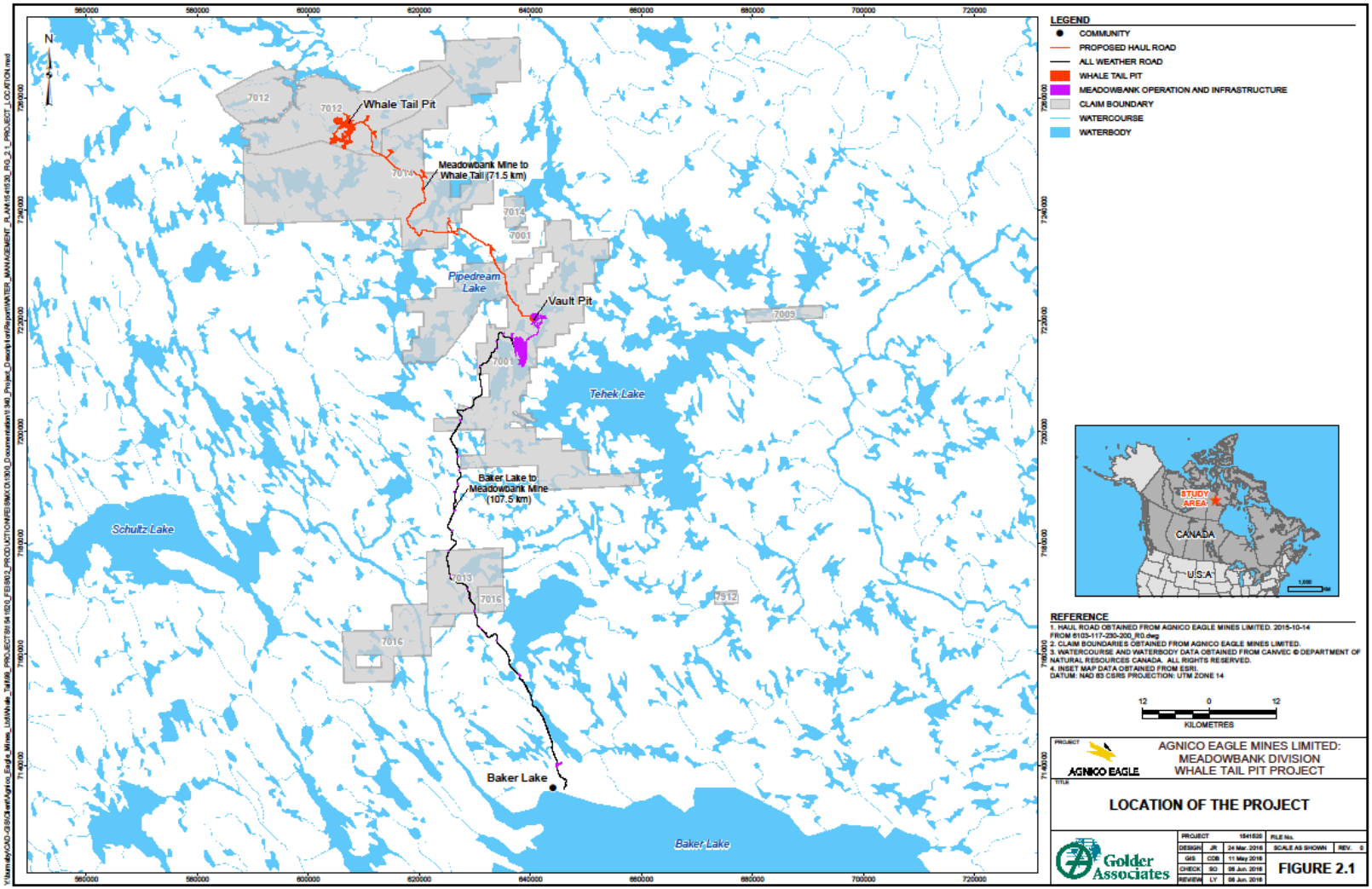


Table 2.1 Estimated Mine Site Monthly Mean Climate Characteristics

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

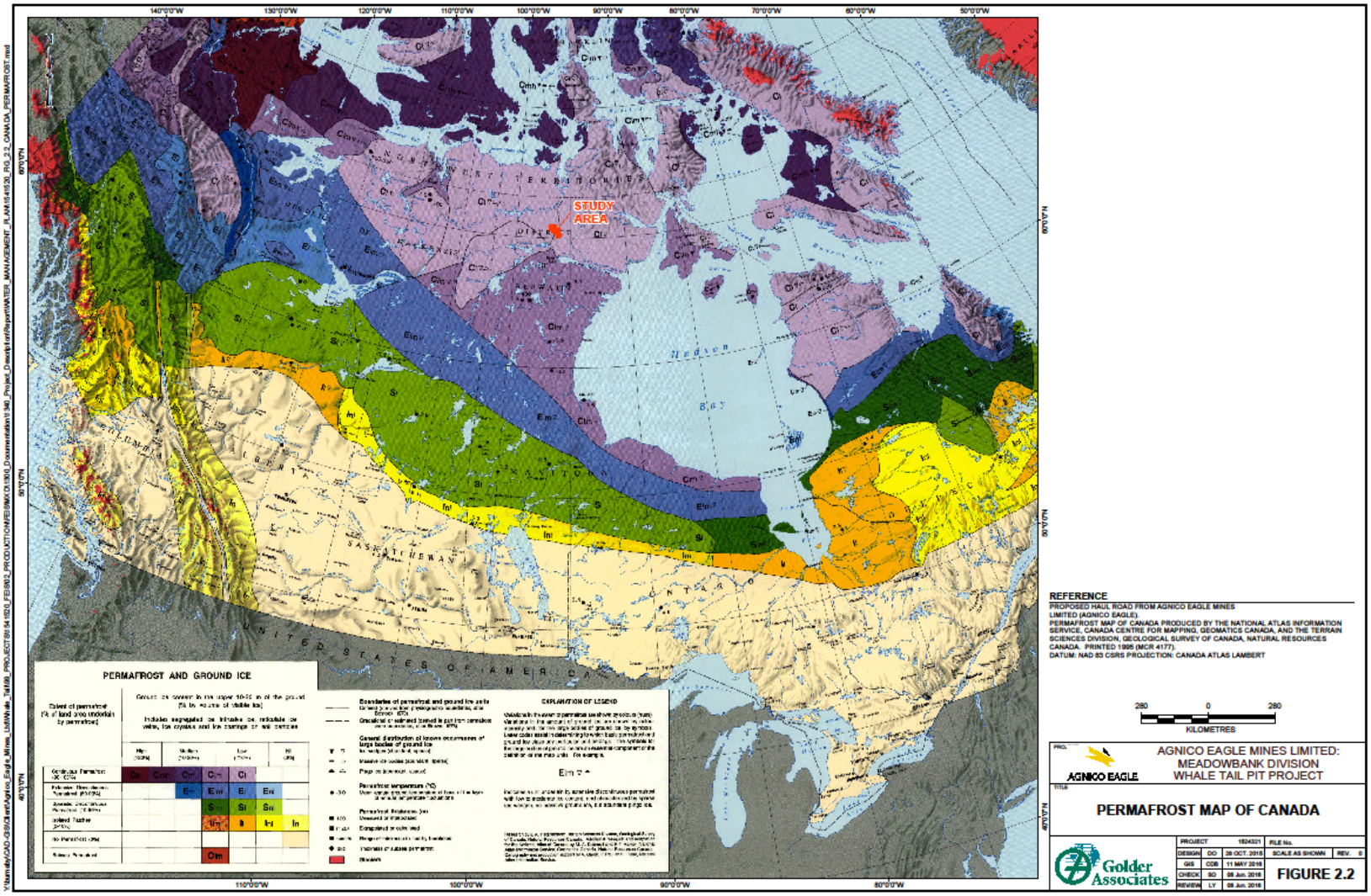
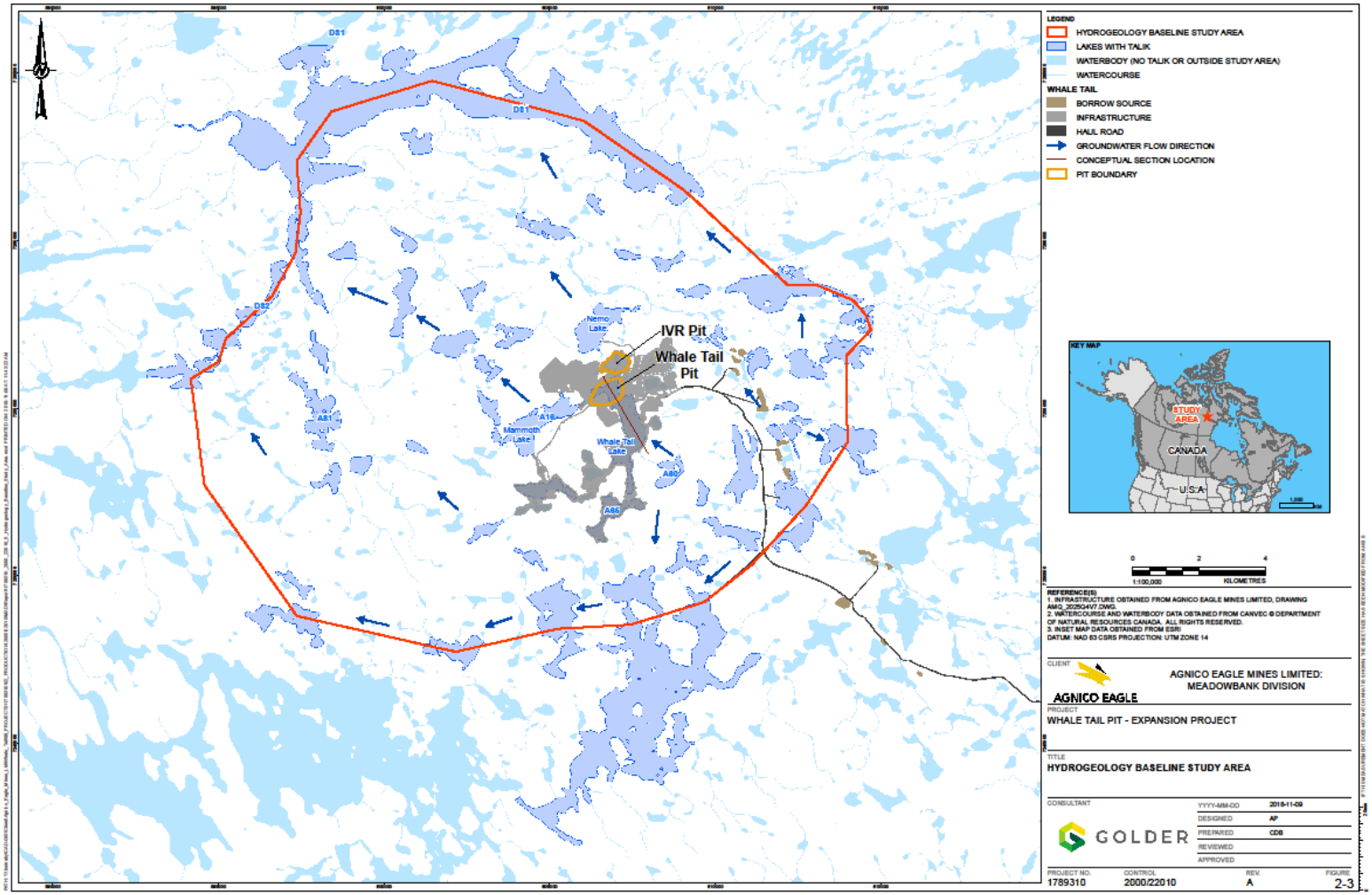


Figure 2.0-3 Hydrogeology Baseline Study Area



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 • Whale Tail WRSF and IVR WRSF • Underground backfill material • IVR Pit Pushback backfill material • 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 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
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 • Start Whale Tail Dike • Construction of the low-permeability access road built of overburden and collection sump for Stage 1 WRSF • Freshwater intake causeway in Nemo Lake • Water Treatment Plant and Construction Water Treatment Plant • Pipelines and associated pump systems for water management and dewatering • Sewage Treatment Plant • Potable Water Treatment Plant • Discharge diffuser in Kangislulik Lake • Culverts 184, 186, and Mammoth Channel
2019-2020 Operations – Phase 1	• Completion of Whale Tail Dike • Construction of Mammoth Dike • Construction of the Whale Tail WRSF Dike • Construction of the Northeast Dike • Construction of the South Whale Tail Diversion Channel • 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). • Construction of the Whale Tail contact water intake causeway and construction of the WT attenuation pond infrastructure (diffuser, pipeline) • Installation of pumping system from the North-East Pond to C Watershed • Installation of pumping system from Whale Tail South to Kangislulik Lake • Construction of the Whale Tail Dike seepage collection system • Installation of pumping system from A53 Lake to Whale Tail South • Installation of pumping system from Lake A49 to North-East Sector to maintain the water level. • Installation of pumping system for contact water from the open pit to the Whale Tail Attenuation Pond (to Quarry 1 until freshet 2020) • 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) • Underground WRSF saline ditch system
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 • Dismantling of North-East Dike for IVR Pit mining activity • Construction of the contact water intake causeway and construction of the IVR attenuation pond infrastructure (diffuser, pipeline) • Installation of the IVR Attenuation Pond Pump Station • Installation of pumping system for contact water from the open pit to the IVR Attenuation Pond • IVR WRSF Contact Water Collection System; Ore stockpile 3 Contact Water Collection System • IVR Diversion • IVR D-1 Dike • Underground Water Management System • Groundwater Storage Ponds

v13

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 30th, 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 • Temporarily pump contact water from the starter pit, construction, ore stockpiles, industrial sector, and main camp sector to Quarry 1 • Treat turbid water from construction using the construction WTP and discharge in Whale Tail North • Pump STP effluent to Whale Tail Lake (North Basin) • 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) • Pump contact water from the open pit to Quarry 1 • Pump contact water from the Whale Tail WRSF Pond to Quarry 1 • Treat through the WTP the Whale Tail North Water above discharge limit and discharge in Lake A16 (Kangislulik Lake) • Pump contact water from Quarry 1 to Kangislulik Lake (when water quality meets discharge criteria, treat as needed at WTP) (following authorization) • Pumping of non-contact water from: o North-East Pond to the C-watershed o North-East Pond to Whale Tail North o North-East Pond to AP5 (Licence B) o A53 Lake to Whale Tail North o Whale Tail South Basin to Kangislulik Lake o AP5 to the C-watershed (Licence B) o Whale Tail North to Whale Tail South in the summer months o Whale Tail North to Kangislulik Lake o Whale Tail North to AP5 (Licence B) • Operation of the Whale Tail Dike seepage collection system by pumping seepage water to Whale Tail South Basin • Pump STP effluent to Whale Tail North
2020-2021	• Completion of dewatering activity. WTN becomes an attenuation pond • Pump contact water from the open pit to the Whale Tail Attenuation Pond (to Quarry 1 until May 2020) • Pump contact water from the Whale Tail WRSF Pond to the Whale Tail or IVR Attenuation Pond (to Quarry 1 until freshet 2020) • 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) • Pump contact water from Quarry 1 to Kangislulik Lake (if water quality meets discharge criteria) until May 2020

Mine Year	Water Management Activities and Sequence
	• Whale Tail Lake (South Basin) flows to Lake A16 (Kangislulik Lake) through the Whale Tail Lake (South Basin) Diversion Channel • Operation of the Whale Tail Dike seepage collection system by pumping seepage water to Whale Tail South when water quality meets discharge criteria • Pump STP effluent to the Whale Tail or IVR Attenuation Ponds • Maintain North-East Pond sector water level by pumping to Whale Tail North Basin (only for 2020) • Construct IVR Diversion and divert non-contact water from the Northeast Sector to Nemo Lake • Dewater waterbodies and ponds inside IVR pit footprint to Whale Tail Attenuation Pond • Dewater waterbodies and ponds inside IVR WRSF footprint to A53 • Dewater Lake A53 to Whale Tail Lake (South Basin) and remaining to Whale Tail Attenuation Pond • Pump GSP-1 contact water to Whale Tail or IVR Attenuation Ponds • Pump contact water from the IVR Pit to the IVR Attenuation Pond • Pump contact water from the IVR WRSF Contact Water Collection System to the IVR Attenuation Pond • Pump excess water from underground sump to GSP 1 when Underground Storage Stope is full • Pump contact water from the Whale Tail Pit to the IVR Attenuation Pond • Pump contact water from the Whale Tail Attenuation Pond to the IVR Attenuation Pond • Pumping of non-contact water from Whale Tail South Basin to Kangislulik Lake • Capture runoff from Whale Tail WRSF and NPAG WRSF; pump to the IVR Attenuation Pond • 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 • Pump contact water from the Pits to the IVR Attenuation Pond or Whale Tail Attenuation Pond • Pump contact water from the IVR WRSF Contact Water Collection System to the IVR Attenuation Pond • Pump STP effluent to the Whale Tail Attenuation Pond or IVR Attenuation Pond • Pump GSP-1 contact water to Whale Tail or IVR Attenuation Ponds. • Capture runoff from Whale Tail WRSF and NPAG WRSF; pump to WRSF Pond, Whale Tail Attenuation Pond or to the IVR Attenuation Pond • Pump contact water from the WRSF Pond to Whale Tail Attenuation Pond or IVR Attenuation Pond • Pump contact water from the Whale Tail Attenuation Pond to the IVR Attenuation Pond • Pump contact water from the IVR Attenuation Pond to the Whale Tail Attenuation Pond • 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) • Pump excess water from underground sump to GSP 1 when Underground Storage Stope is full • Pump excess water from underground sump to GSP 1 when Underground Storage Stope is full • Store excess groundwater in IVR Pit temporarily. • Construct GSP-2 and GSP-3 if additional capacity for contact water storage is required at surface. • Whale Tail Lake (South Basin) flows to Lake A16 (Kangislulik Lake) through the Whale Tail Lake (South Basin) Diversion Channel • Operation of the Whale Tail Dike seepage collection system by pumping seepage water to Whale Tail South when water quality meets discharge criteria. • Divert non-contact water from the Northeast Sector to Nemo Lake using IVR Diversion • Pumping of non-contact water from Whale Tail South Basin to Kangislulik Lake

v13

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) Whale Tail Attenuation Pond (secondary)
Whale Tail and IVR WRSFs Sector	Whale Tail WRSF Ponds 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

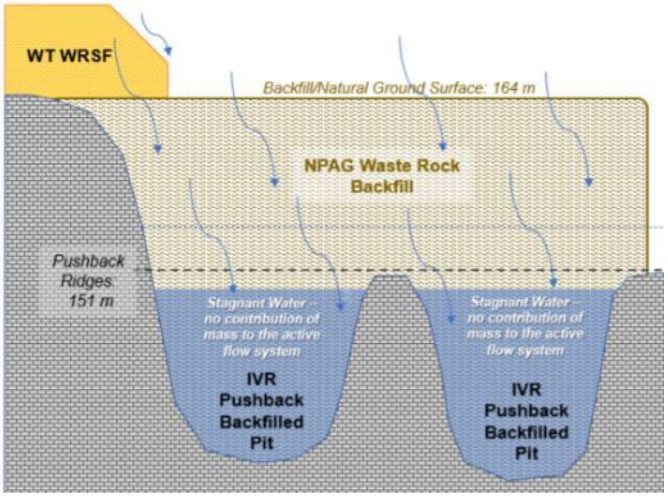
Mine closure is integral to the mine design and will be modified during operations. Planning for permanent closure is an active and iterative process. The intent of the process is to develop a final closure plan including specific water management components using adaptive management. This begins during 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. v13

- 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,

v13

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).

Table 3.8 Key Water Management Activities during Closure

Closure Period	Key Water Management Activities and Sequence
2028	• The Groundwater Storage Ponds and IVR Attenuation Pond will be emptied at the start of closure to underground, 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. • Start of site water quality monitoring of flooding open pit reservoirs
2028 to 2033	• Active water treatment of IVR Pit runoff during open water season (June to September, 2028 to 2033) • Construction of a sill between Lake A18 and Whale Tail South Basin to raise the level to 155.3 masl as part of the approved fish habitat offset plan (2029) • Complete NPAG/NML WRSF covers and backfill of the IVR Pit Pushback, GSP-1 and IVR Attenuation Pond (2031)

2029 to 2046	• Active filling of the pits/mine components will follow this sequence:
	  • IVR Pit (2028 – 2031)
	  • Whale Tail Pit (2037 to 2040)
	  • Whale Tail + IVR Combined Pit (2040 to 2045)
	  • Whale Tail North Basin (2045 to 2046)

2046	• Once Whale Tail Lake (North Basin) is flooded to 153.5 masl, pumping of the Whale Tail Lake (South Basin) to Whale Tail Lake (North Basin) during summer months will be ongoing to maintain the elevation of Whale Tail Lake (South Basin) to 153.5 masl until water quality allows to decommission the dikes and reconnect the North and South Basins of Whale Tail Lake • Once Whale Tail Lake (North Basin) is flooded to 153.5 masl, decommission the Whale Tail WRSF Dike and re-establish natural drainage patterns of the Whale Tail WRSF Sector to Lake A16 (Kangislulik Lake) • Once Whale Tail Lake (North Basin) is flooded to 153.5 masl, create spillway in Mammoth Dike to re-establish baseline flow patterns to Lake A16 (Kangislulik Lake) • Decommission the Whale Tail Dike, water quality permitting. • Remove site infrastructure
Post-Closure (2047+) (triggered when water quality in all three water bodies meets the appropriate water quality criteria)	• Monitoring

v13

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

v13

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).

v13

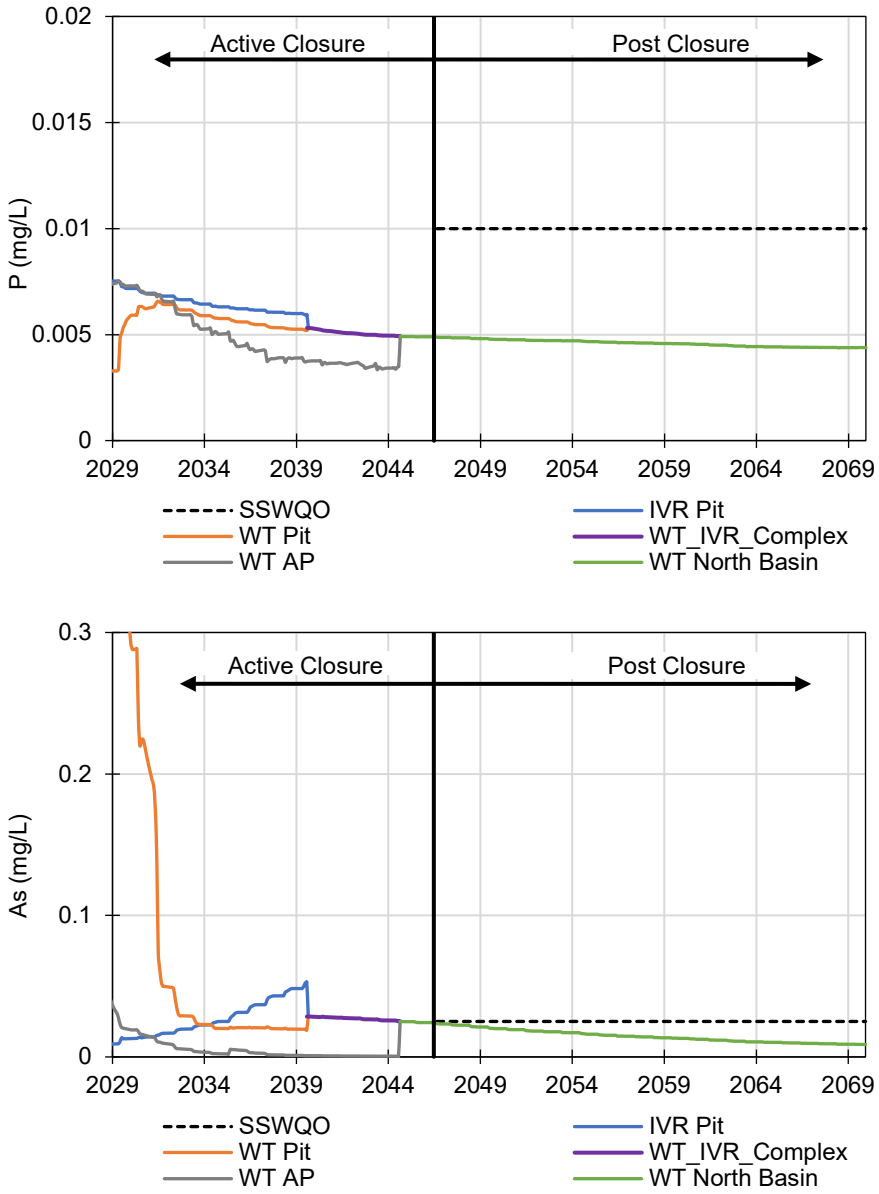


Figure 3.10-2 Projected phosphorus (P) and arsenic (As) concentrations for pit lakes and the Whale Tail Attenuation Pond during Active Closure and Post-Closure

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.

v13

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. v13

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.

As per the Type A Water Licence 2AM-WTP1830, Part E, Items 8 and 9 the water quantity and quality model will be updated and evaluated in closure. v13.1

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

v13

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-PIT EAST IVR-PIT WEST GSP-3 IVR-WRSF-DIKE IVR-DIKE-NATURAL IVR-WRSF-IVRPIT IVR WRSF

WT-WRSF-IVRPIT WT-WRSF-DIKE WHALE TAIL WRSF IVR-PIT-PUSHBACK WT-WRSF-IVRPUSHBACK WT-PIT-PUSHBACK GSP-2 GSP-1 EXP-IWRPAD WT-WRSF-WTPIT OSP-2 FUEL-FACILITIES OSP-3 PAD K IVR-ATTENPOND

WT-WRSF-POND WRSF-POND-DIKE HAUL TRUCK PARK OSP-1 OSP-2 WT-PIT

WT-ATTENPOND WT-DIKE-NATURAL WAREHOUSE-PAD 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 WT-USDIKE-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: 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

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

IVR-PIT- FLOODED

GSP-3

GSP-2

GSP-1

EXP-WRPAD

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

WT-WRSF-POND-DIKE

HAUL TRUCK PARK

WT-PIT-FLOODED

WHALE TAIL LAKE (UIGUQLIQ) NORTH BASIN 153.5m

KANGISLULIK-DSDIKE-NATURAL

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-CAMP

WT-DIKE-LAKEBED

KANGISLULIK-DSDIKE-WATER

KANGISLULIK LAKE 152.5m

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

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
- 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**

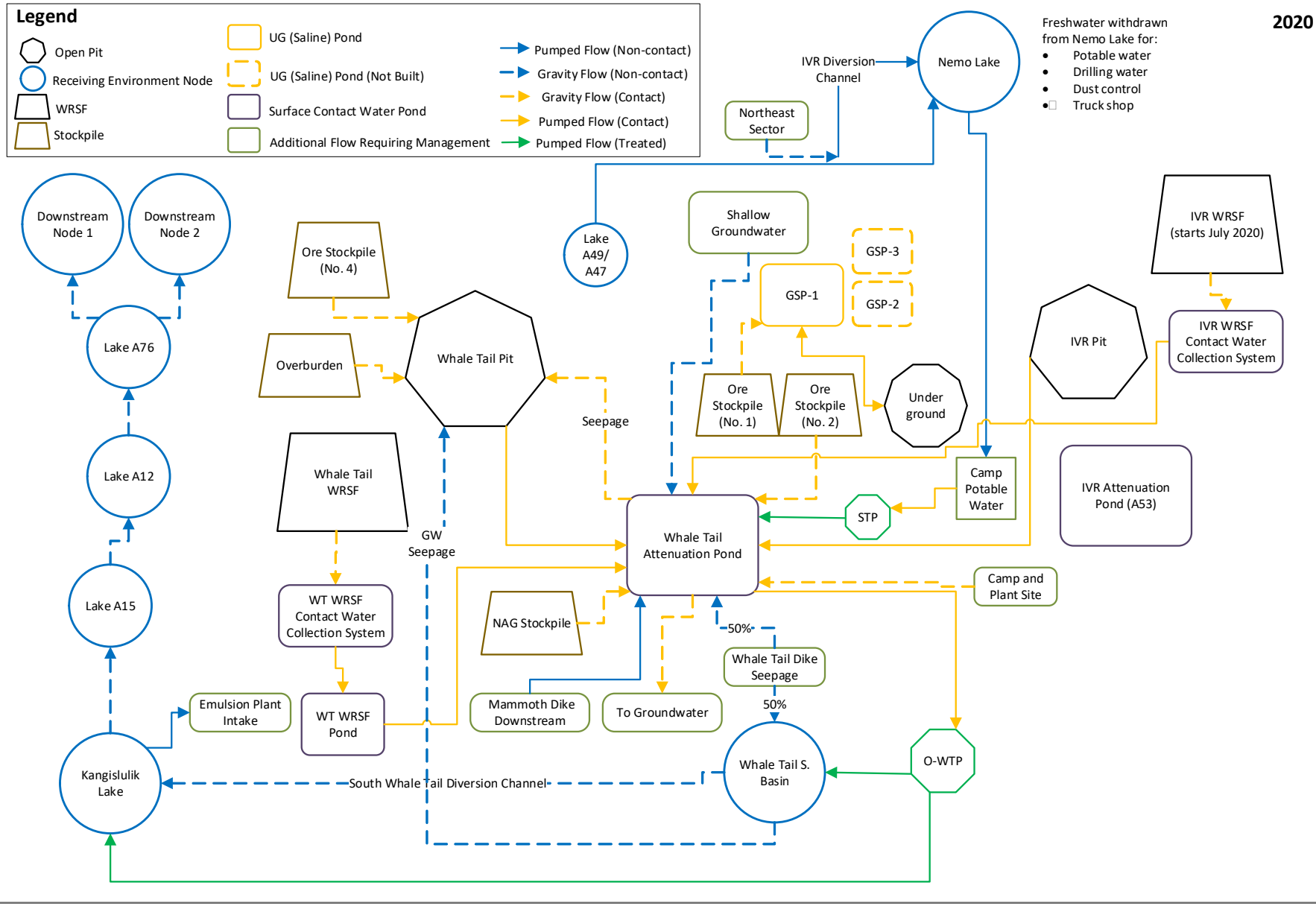
TITLE: Whale Tail ELOM
Water Balance Layout - Post-Closure

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

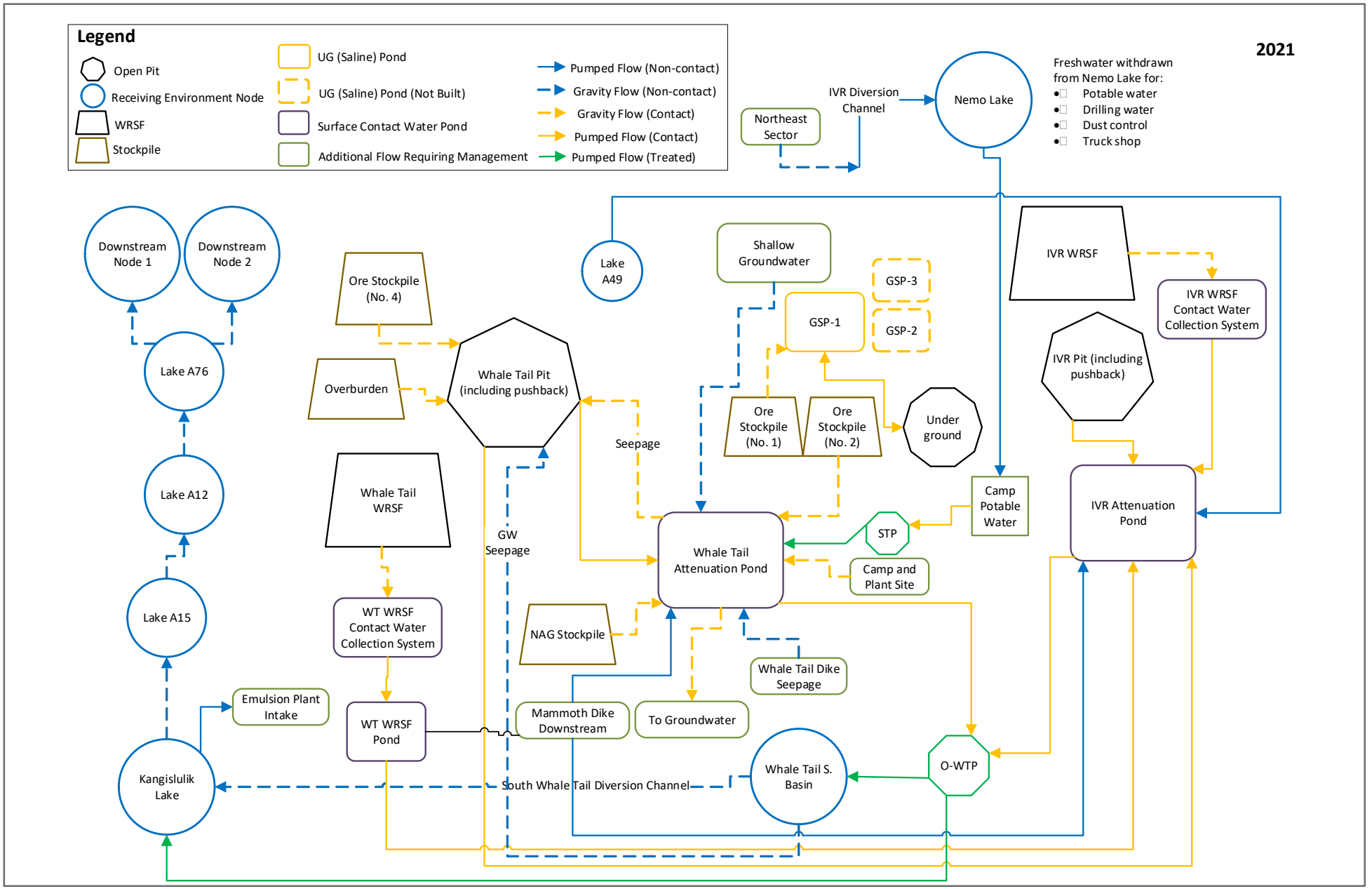
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

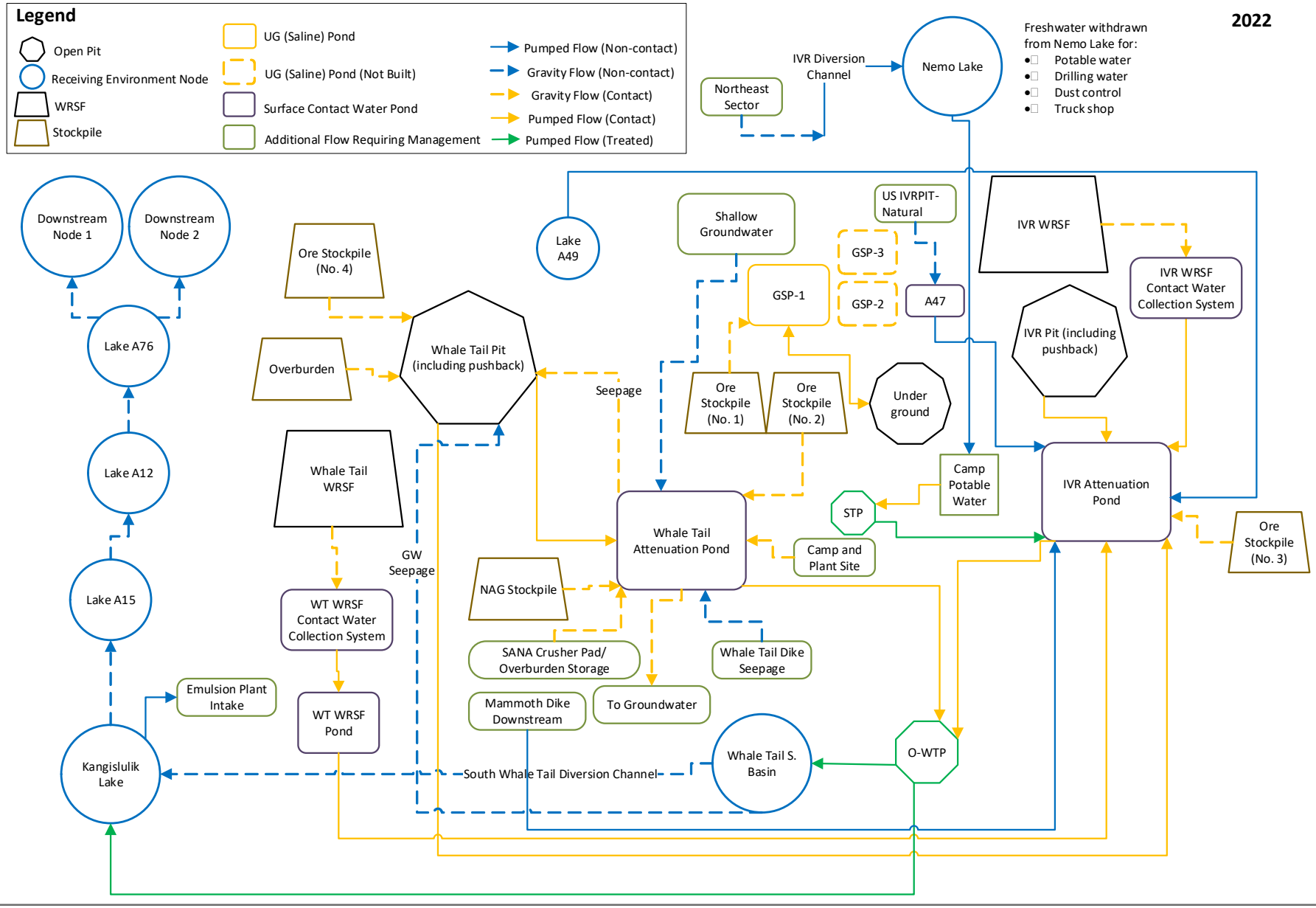
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

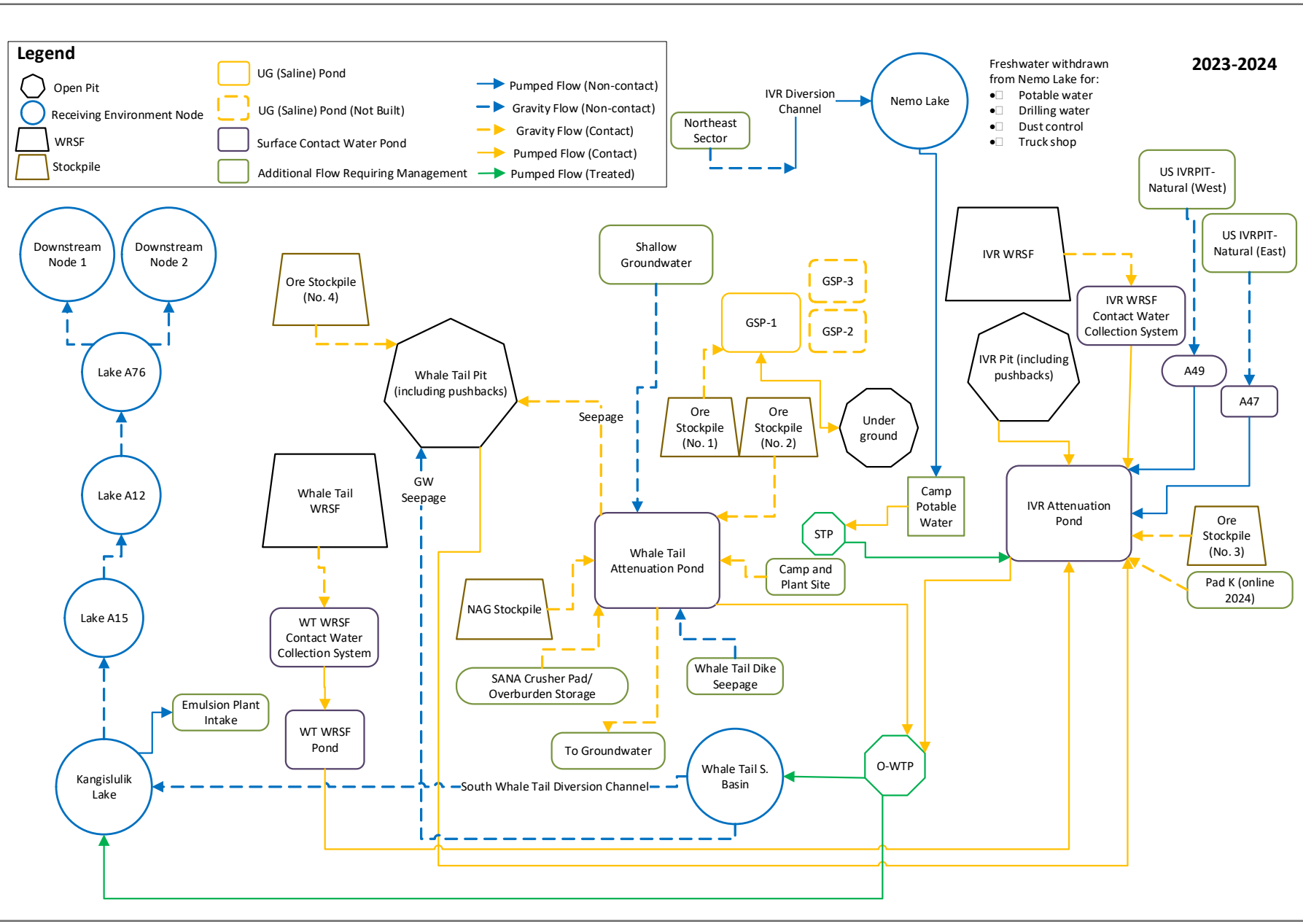
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

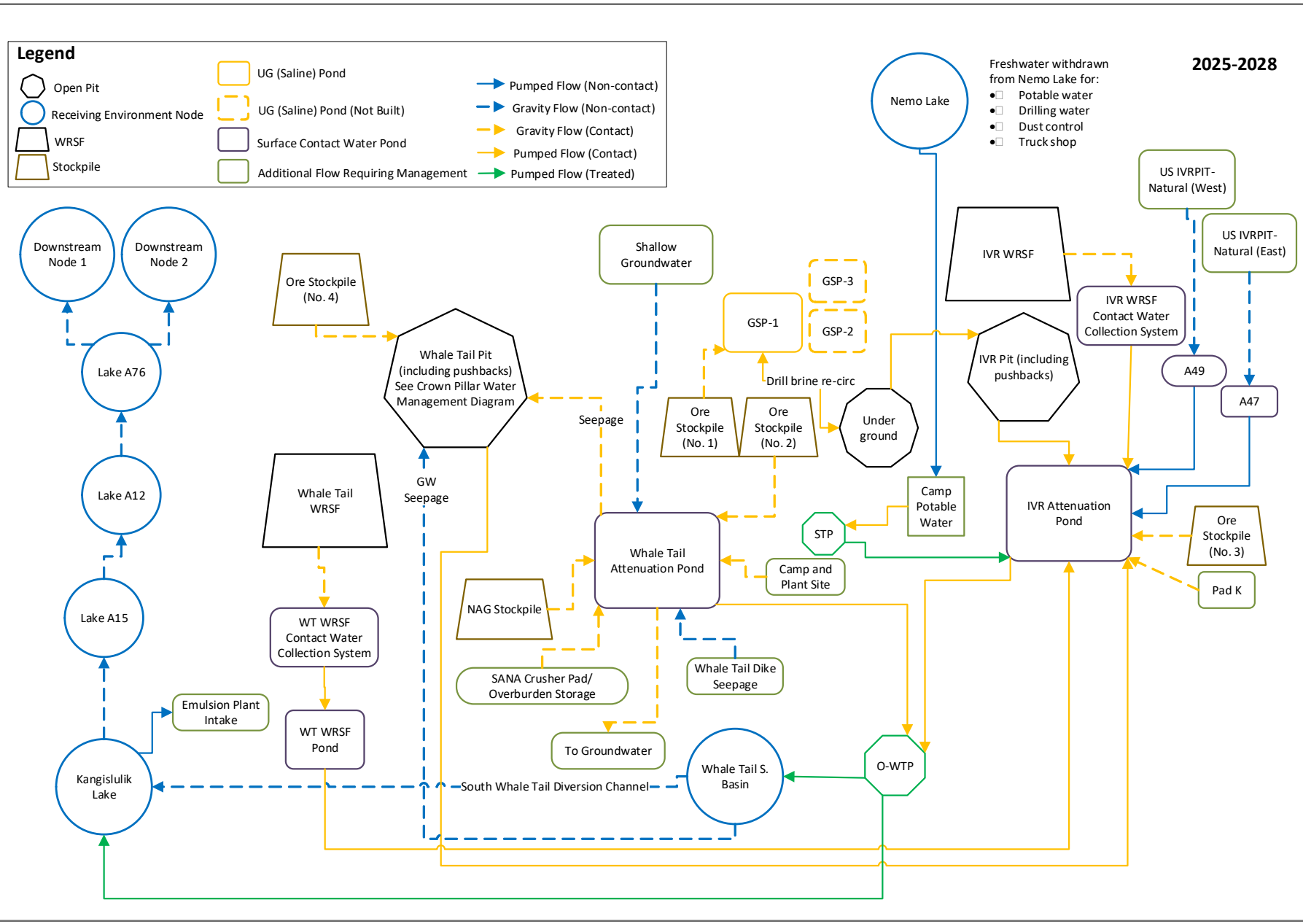
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

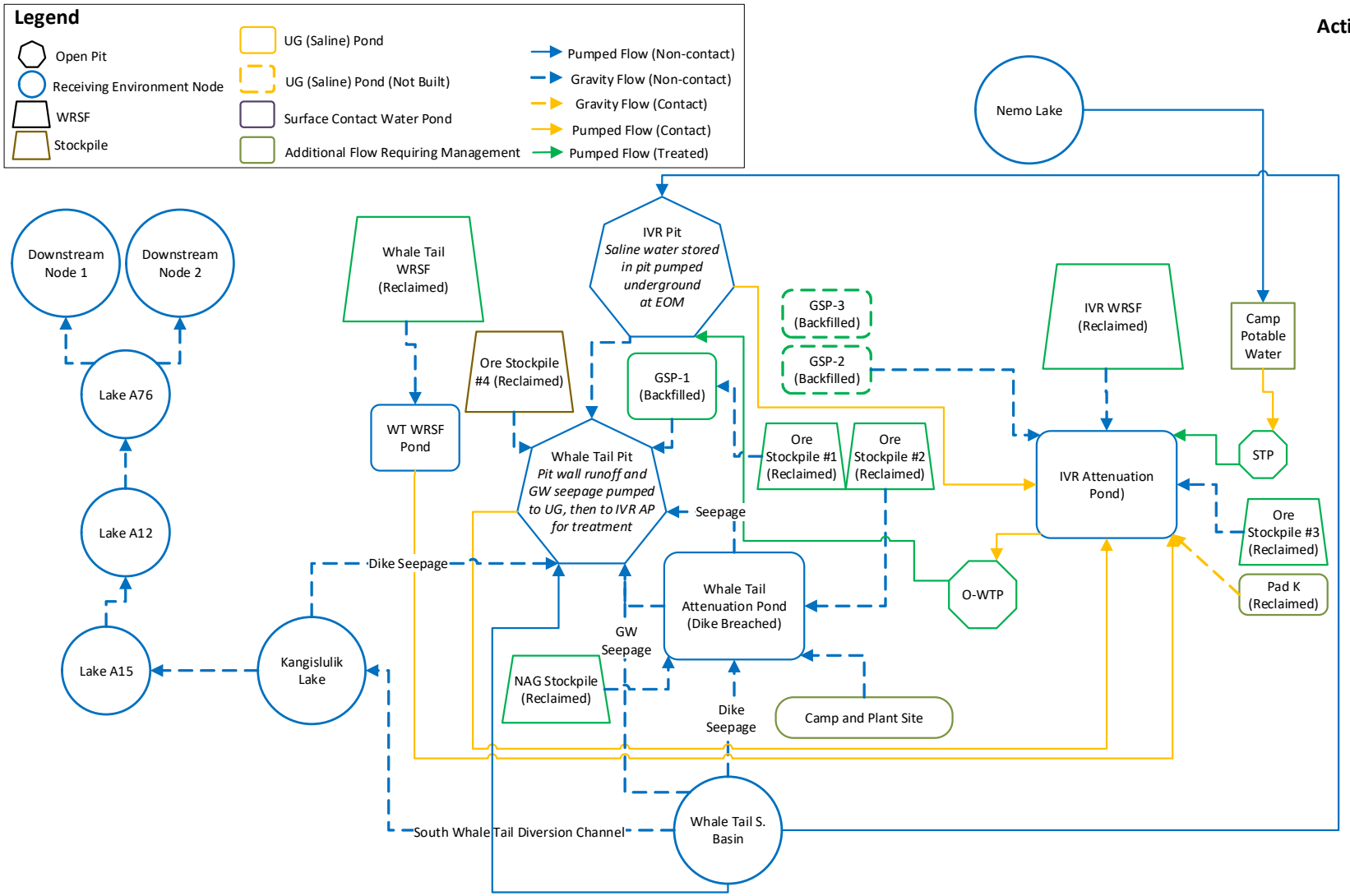
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

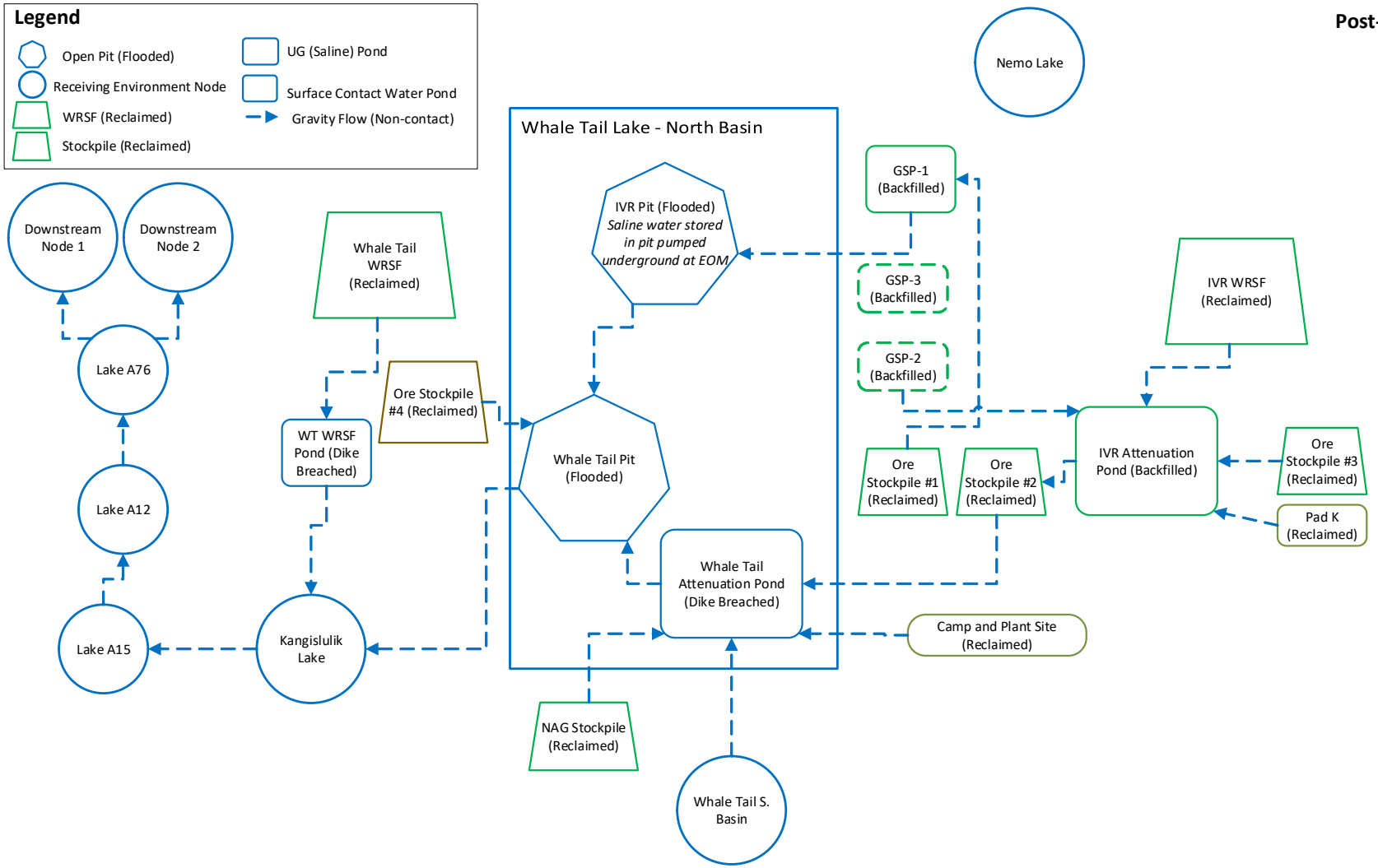
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

v13

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



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

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

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

WT-WRSF-POND WRSF-POND-DIKE IVR-ATTENPOND 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

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

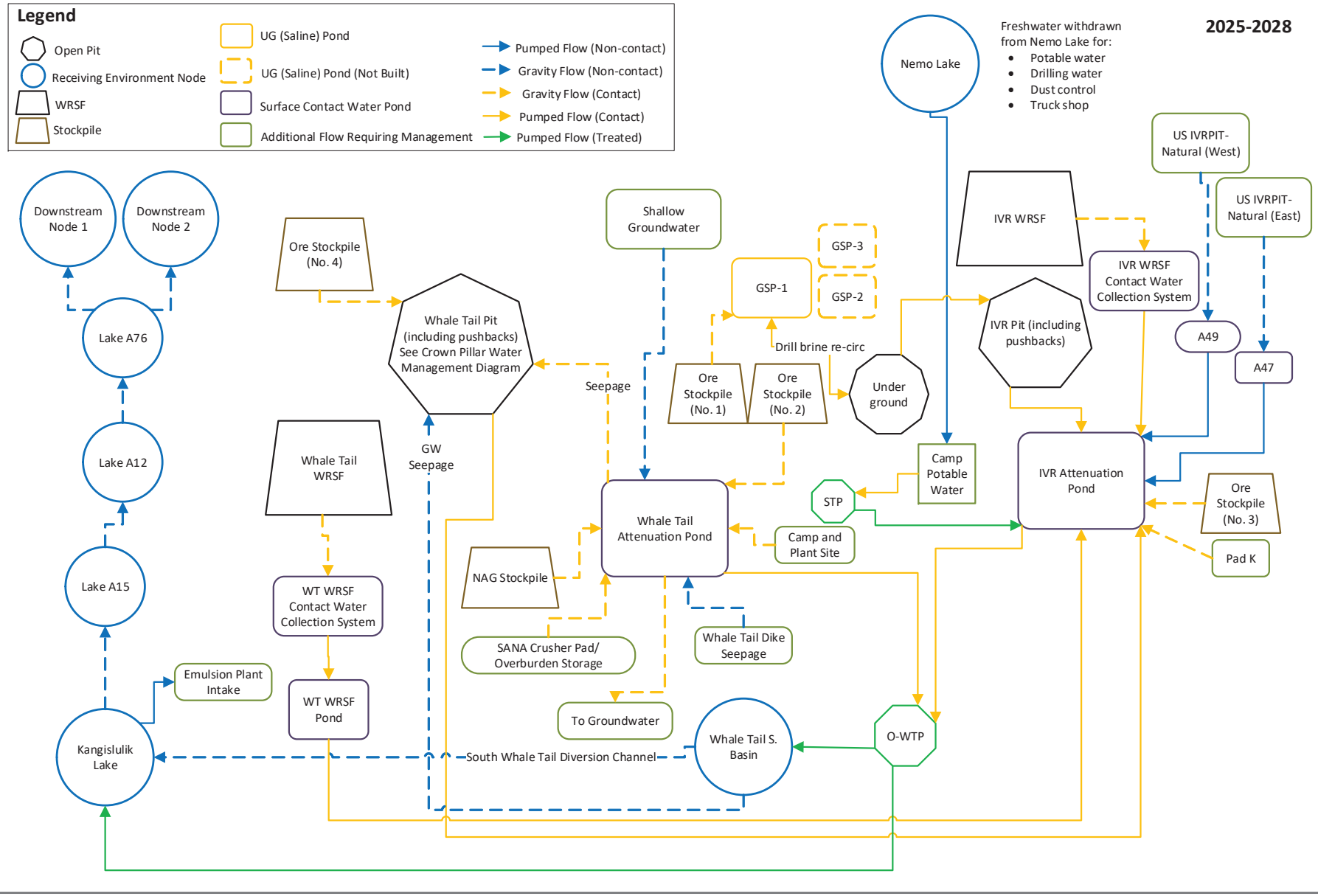
Feature	Min. Operating Level (m)	Max. Operating Level (masl)	Storage Volume at Max. Operating Level (m^3)	Critical Level (masl)	Operating Guidelines
Whale Tail WRSF Pond	153.5*	154.0	27,780	156.0	If Max. Operating Level exceeded, lower water level to operational level within 7 days
Whale Tail Attenuation 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

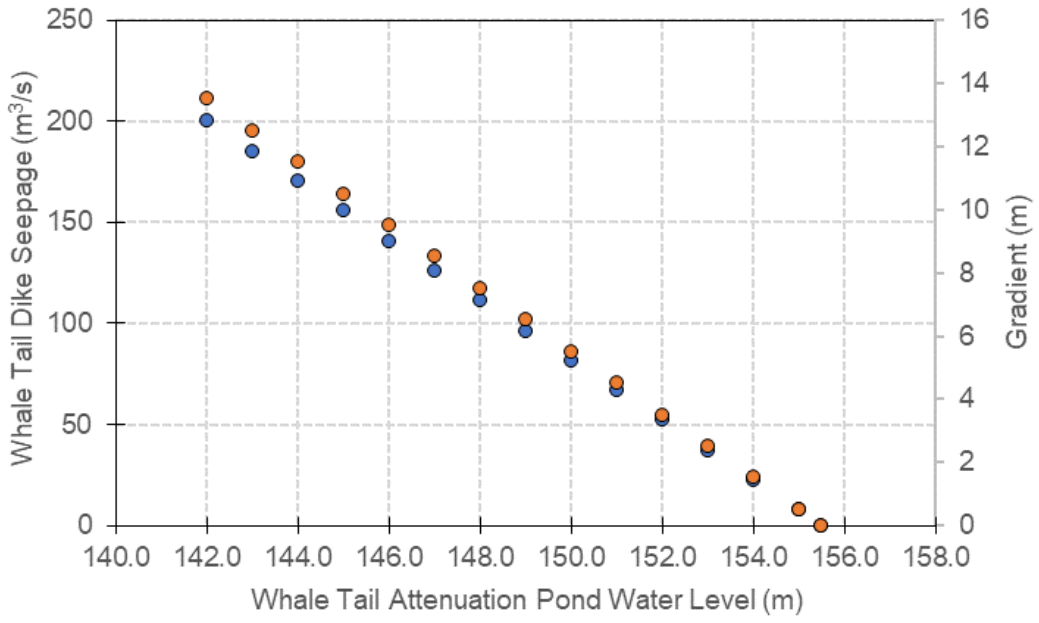


Figure 2-3: Relationship between Whale Tail South Basin and Whale Tail Attenuation Pond water level gradient and dike seepage flows.

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).

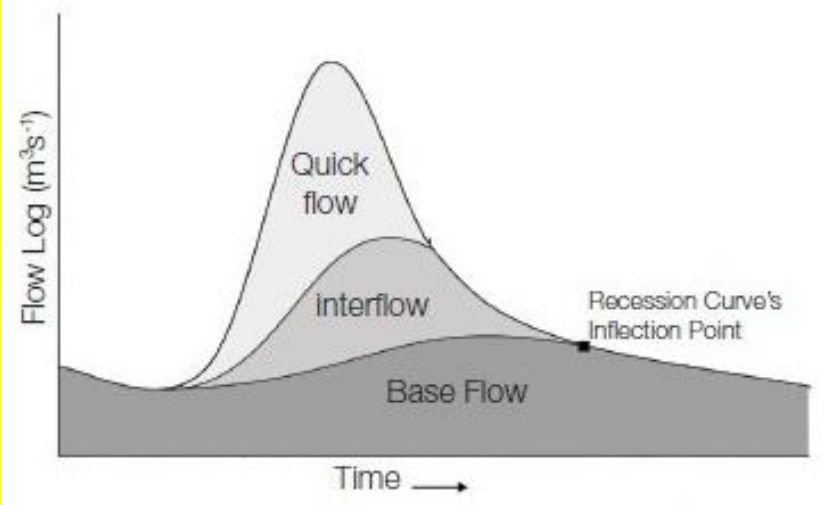
As the open water season progresses, active layer melt can contribute increasing discharge volumes to local watersheds, expressed as an increasing baseflow signature throughout the summer. Finally, average winter temperatures are well below zero, and surface flow in all

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.

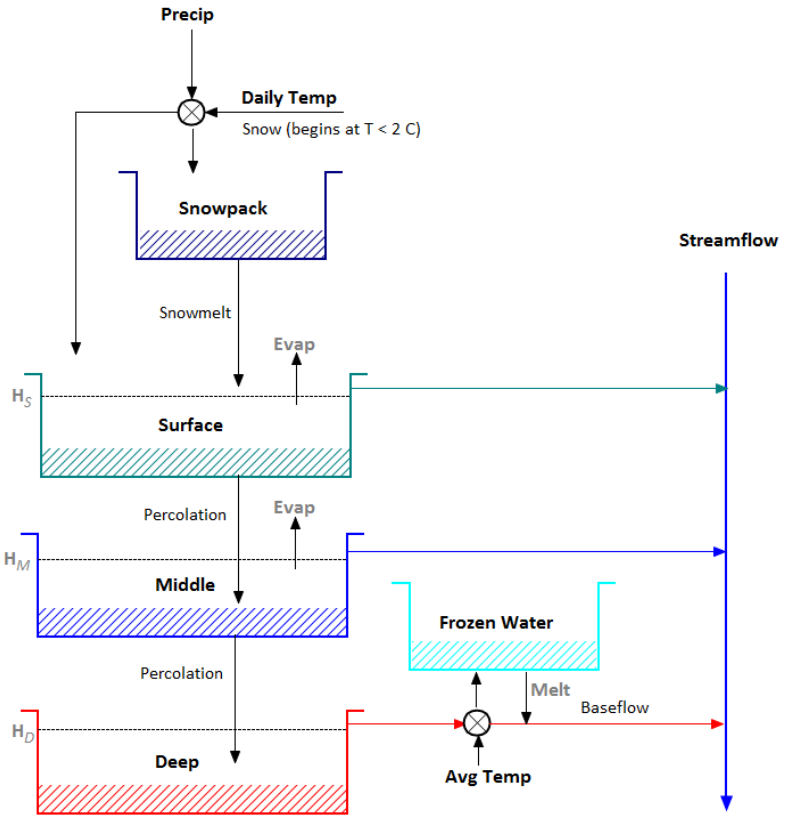


Figure 3-2: Schematic presenting an overview of the three-reservoir water balance model in conceptual format.

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).

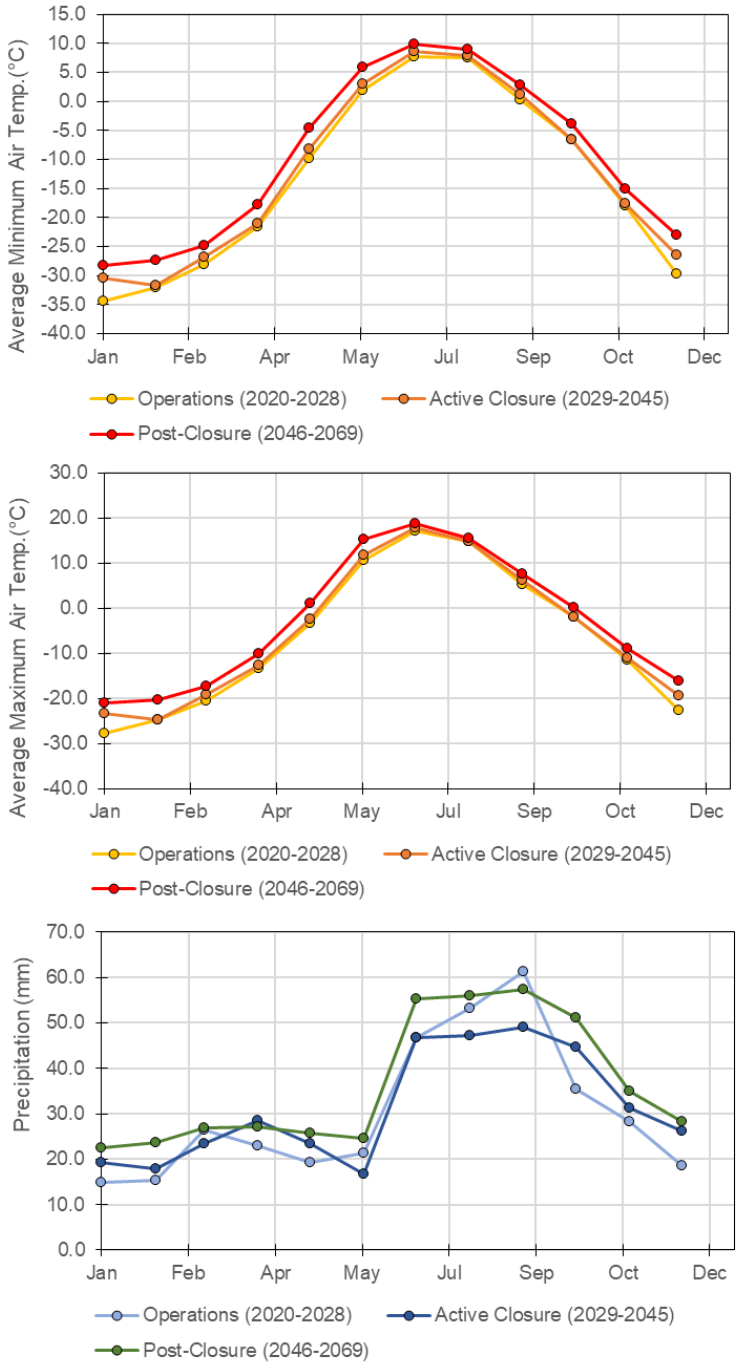


Figure 3-3: Mean monthly minimum (top) and maximum (middle) air temperature and precipitation (bottom) for the Operations, Closure and Post-Closure phases under the RCP6.0 climate change scenario.

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).

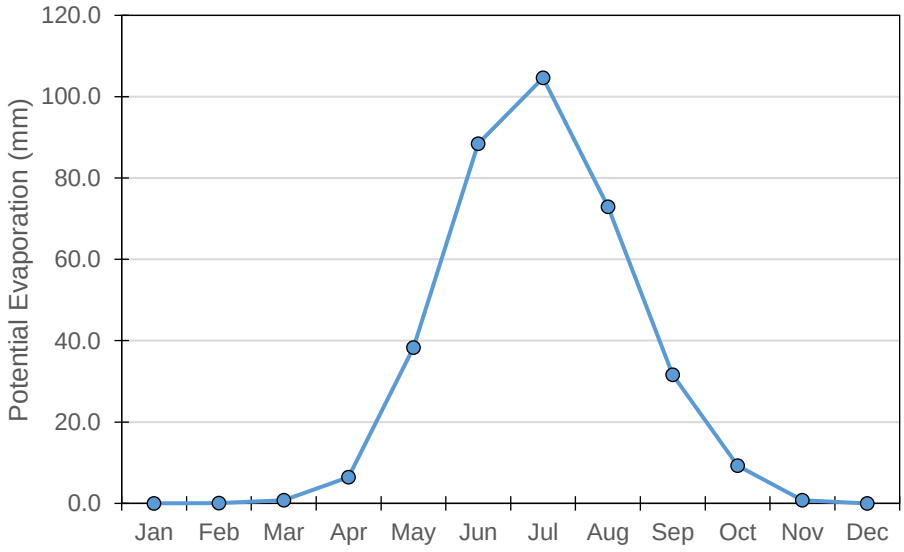


Figure 3-4: Monthly average potential evapotranspiration.

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).

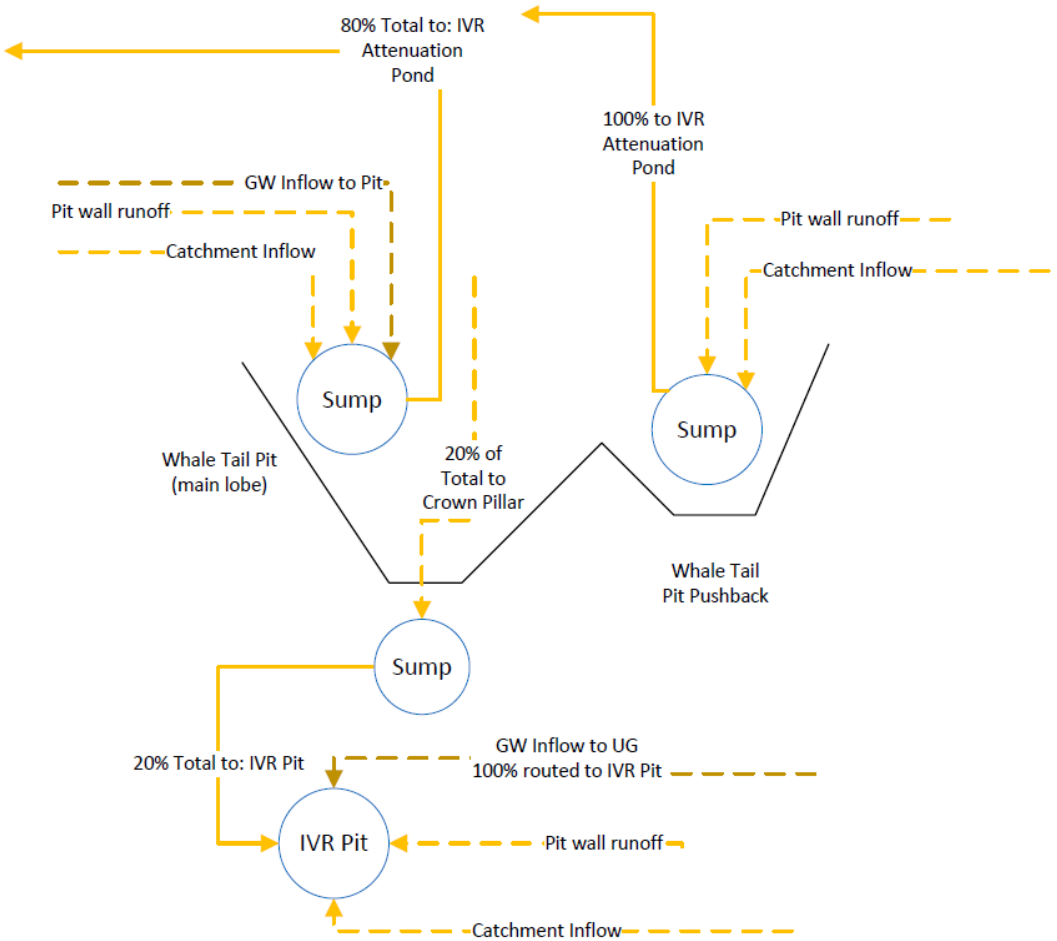


Figure 3-5: Whale Tail Pit and Crown Pillar Water Management Schematic

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.

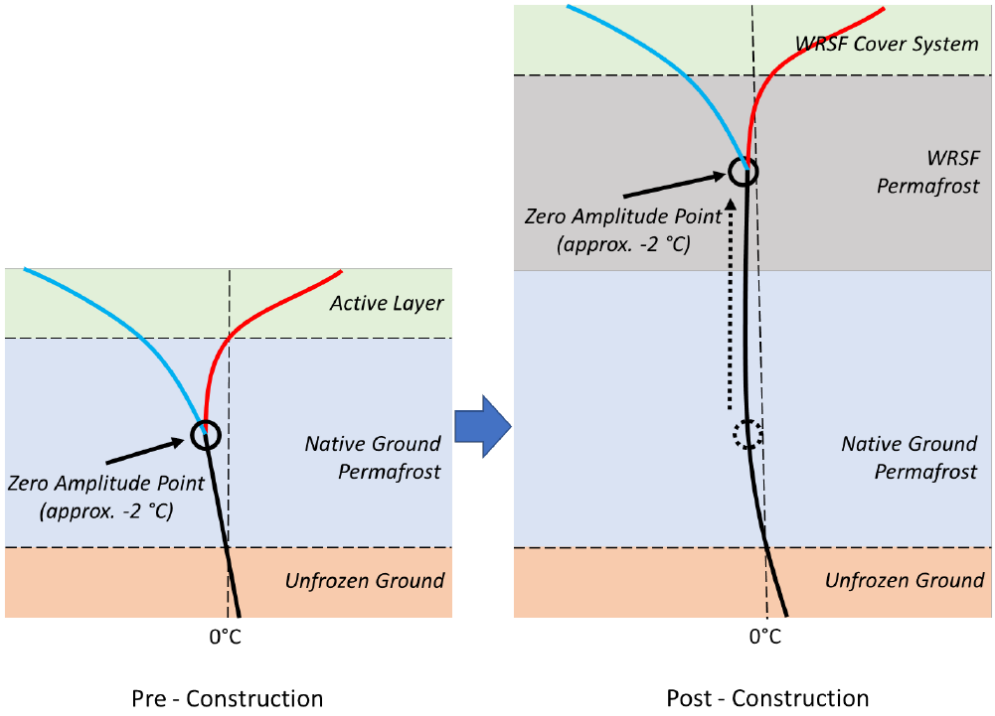


Figure 3-6: Conceptual cross-section showing typical annual permafrost soil profile where zero amplitude point moves upward into the overlying WRSF cover (source: Agnico Eagle, 2021)

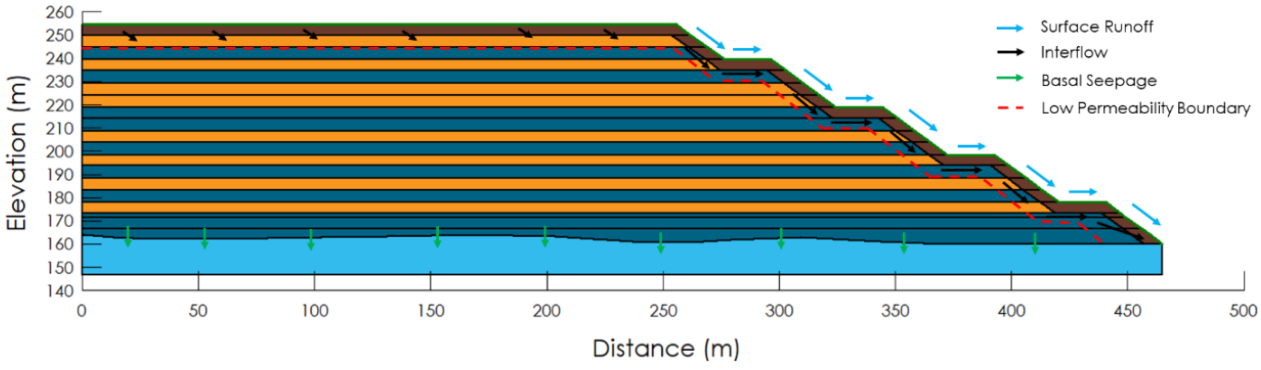


Figure 3-7: Conceptual cross-section showing water balance of Whale Tail WRSF (source: Okane, 2022)

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.

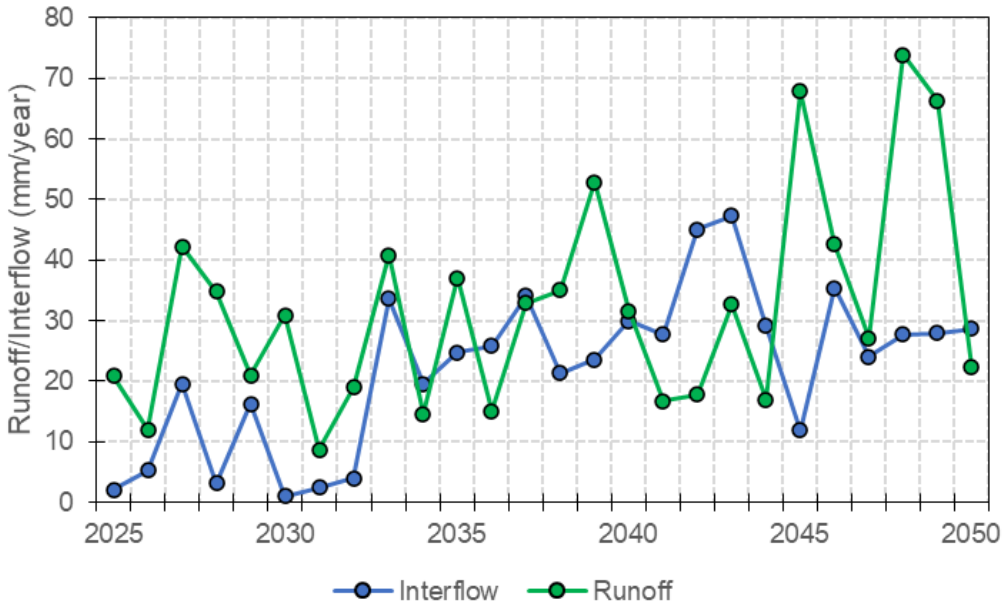


Figure 3-8: Whale Tail WRSF annual runoff and interflow fluxes for the RCP6.0 climate scenario.

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).

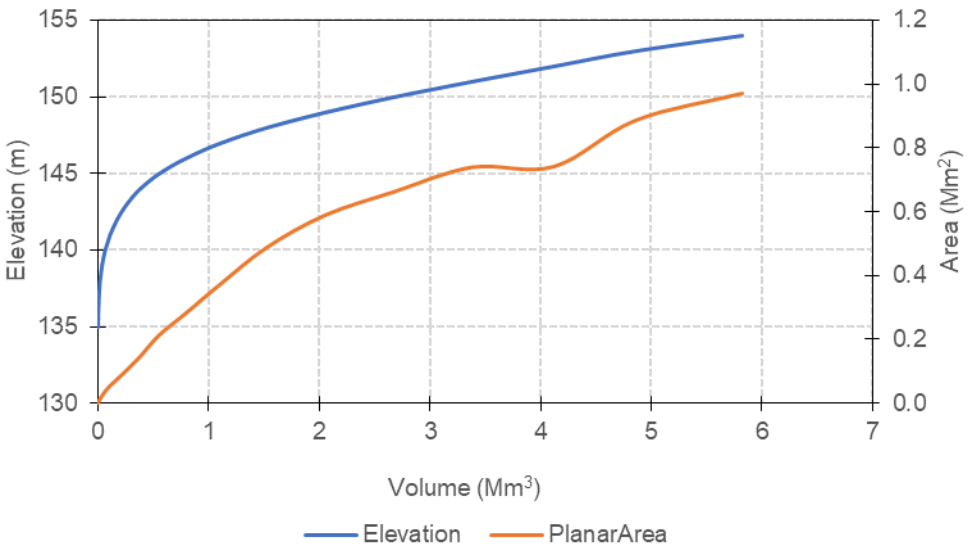


Figure 3-9: Whale Tail South Basin volume-elevation-area curves.

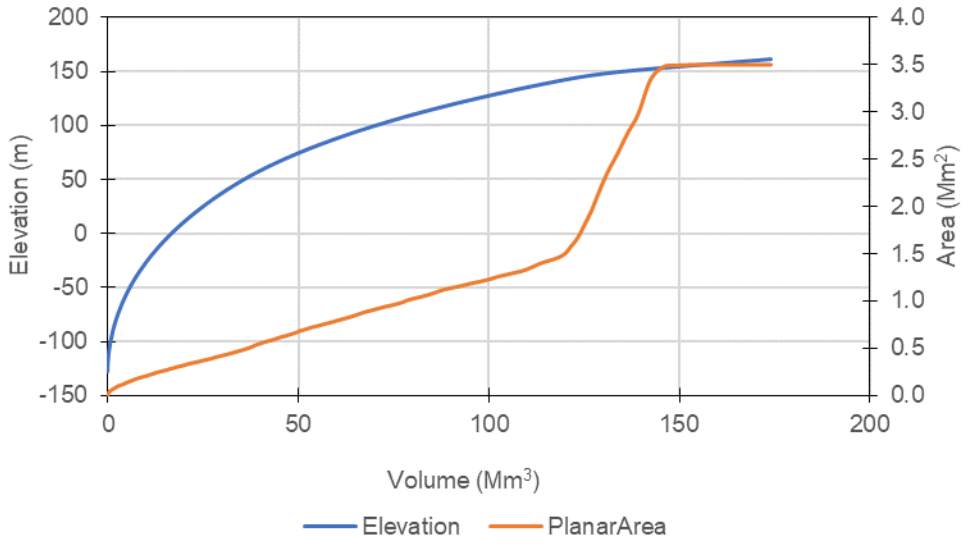


Figure 3-10: Kangislulik Lake volume-elevation-area curves.

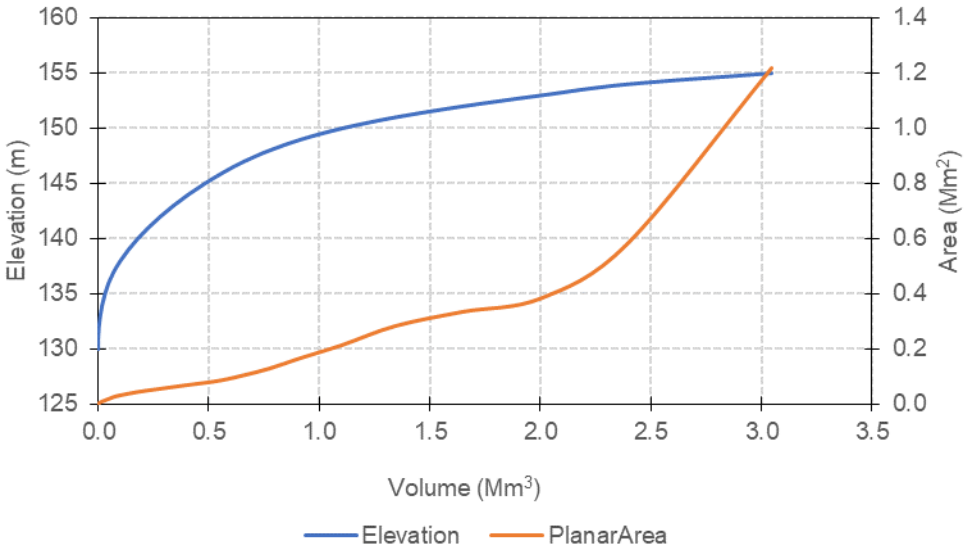


Figure 3-11: Lake A18 complex volume-elevation-area curves.

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

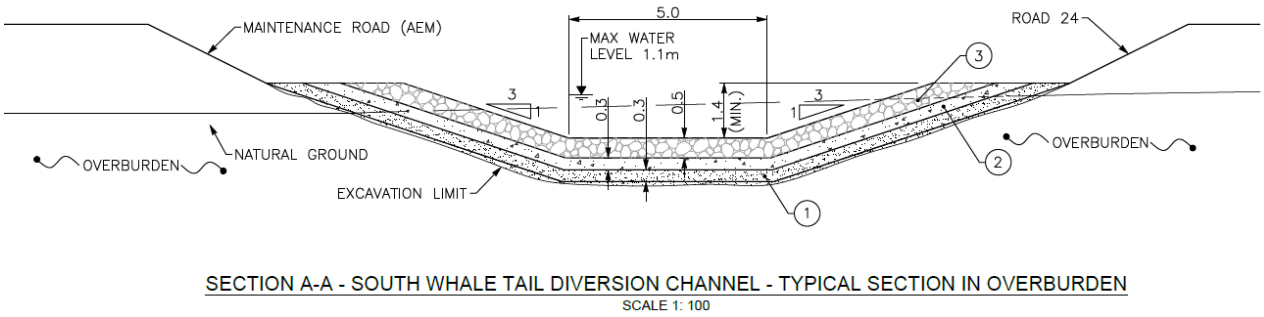


Figure 3-12: Conceptual South Whale Tail Diversion Channel cross-sections (Source: SNC-Lavalin, 2020)

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).

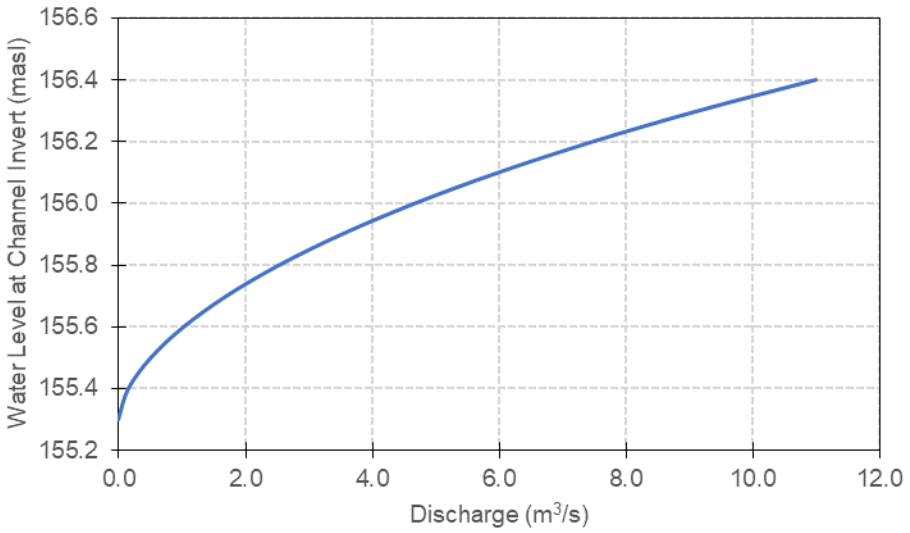


Figure 3-13: Derived rating curve for the South Whale Tail Diversion Channel inlet.

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).

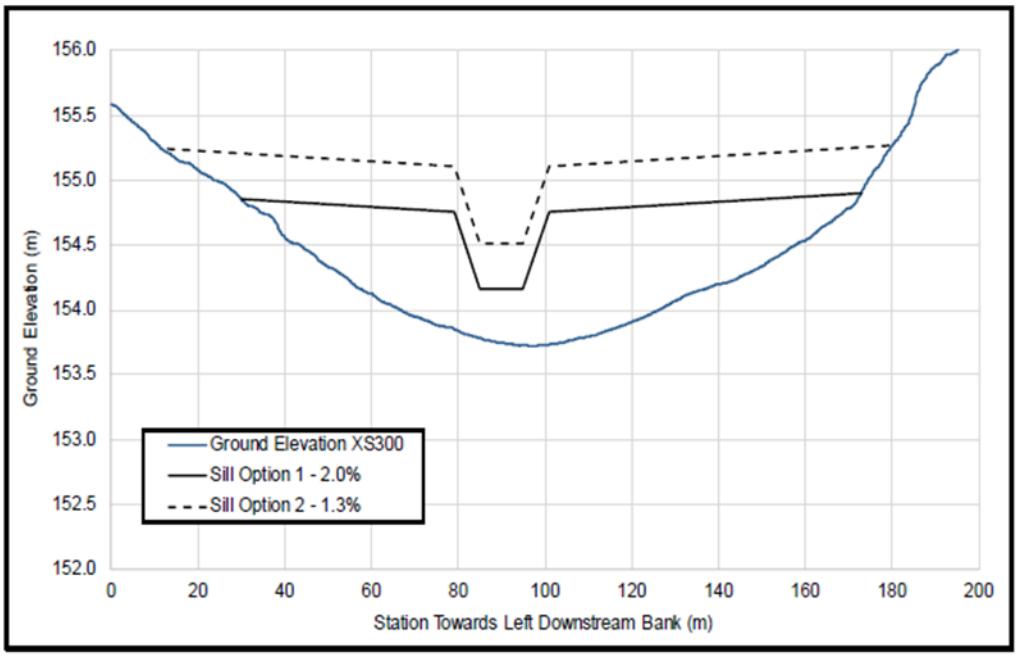


Figure 4: Typical Existing Channel Bed and Conceptual Sill Cross-Sections (Vertical Exaggeration 30:1)

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

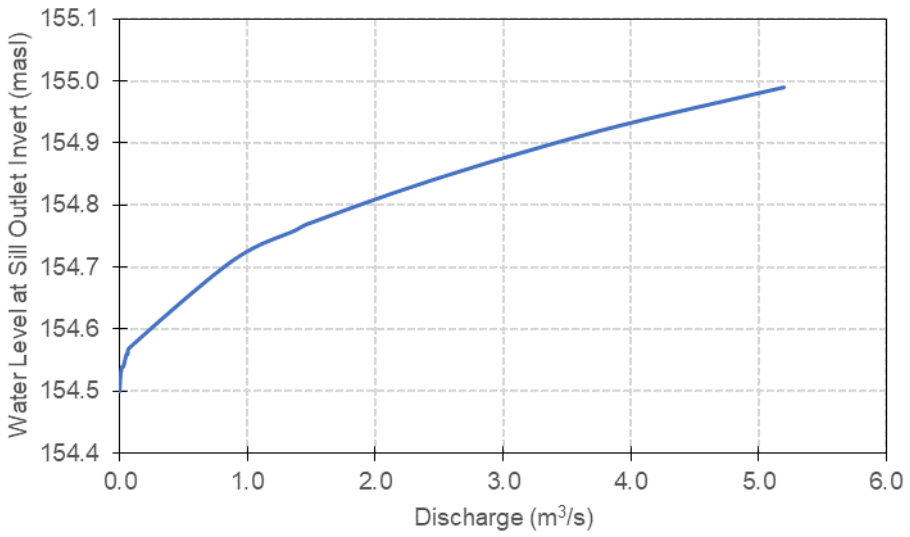


Figure 3-15: Derived rating curve for the A18 Sill outlet.

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

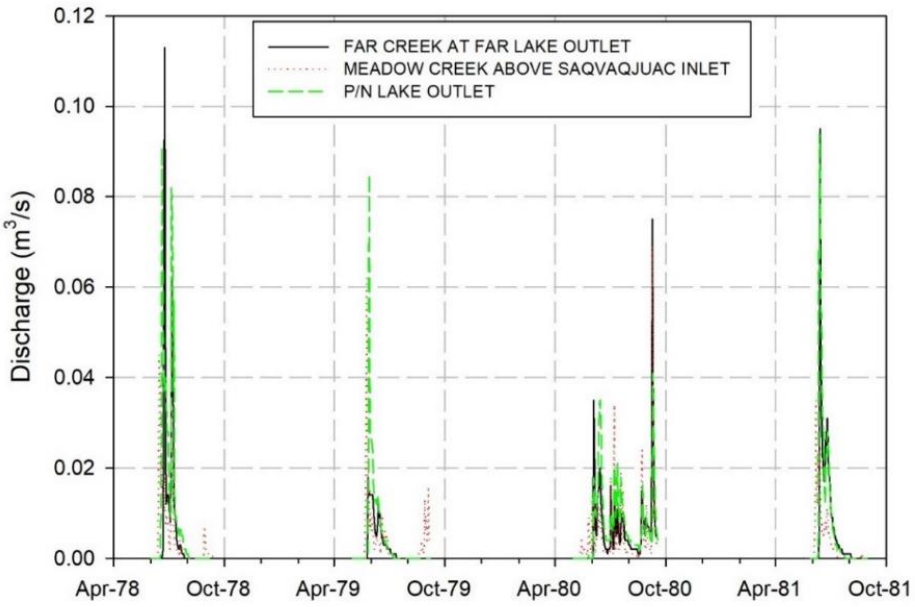


Figure 3-16: Regional streamflow data used to inform watershed model calibration.

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.

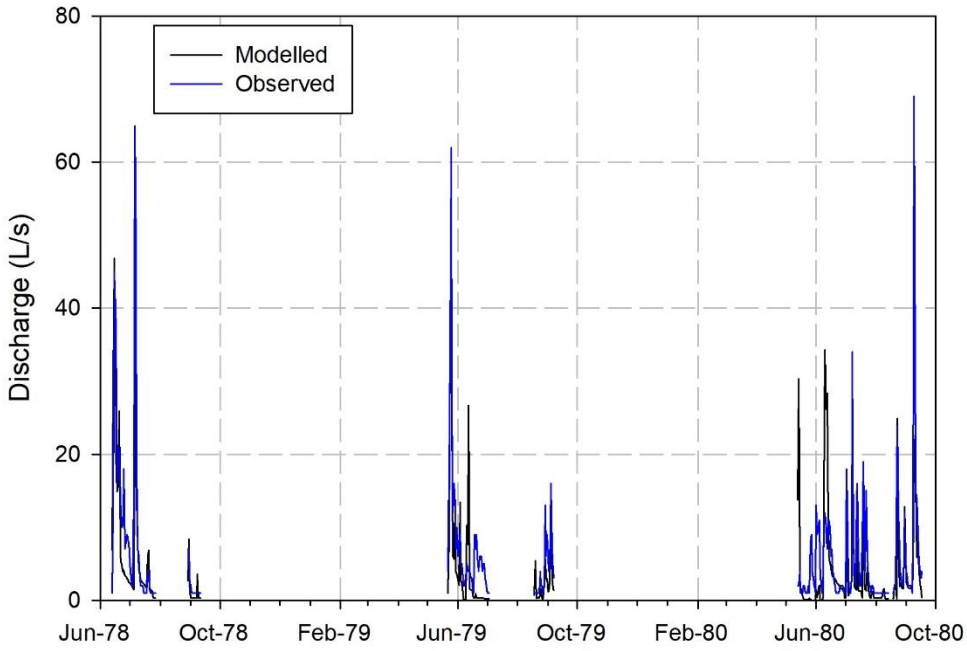


Figure 3-17: Modelled and measured streamflow at the Meadow Creek above Saqvaqjuac Inlet station (06OA002).

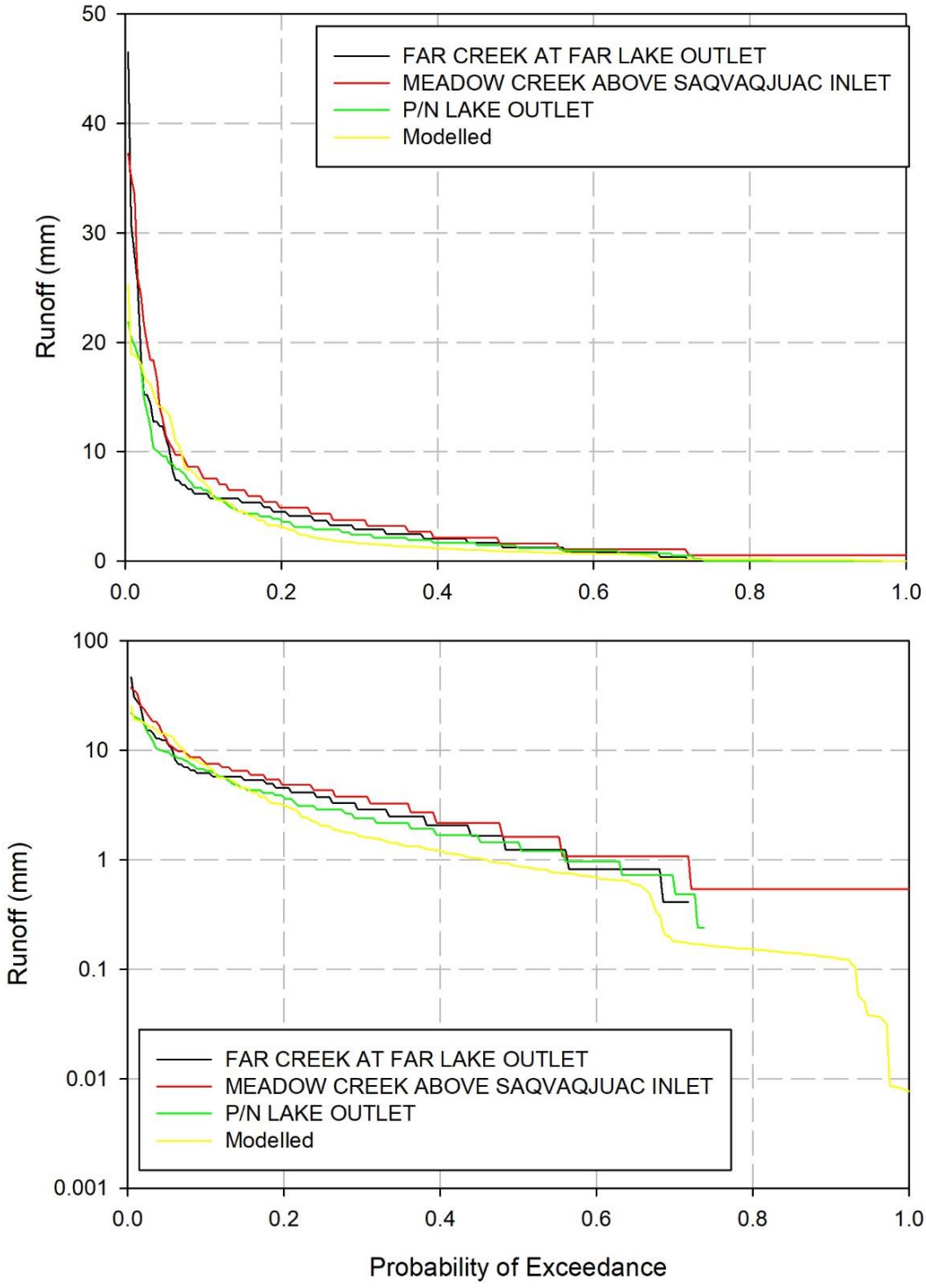


Figure 3-18: Modelled and measured regional runoff flow duration curves shown with linear (top) and logarithmic y-axis (bottom).

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 (90th 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
WT-PIT
OSP-1
OSP-2
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).

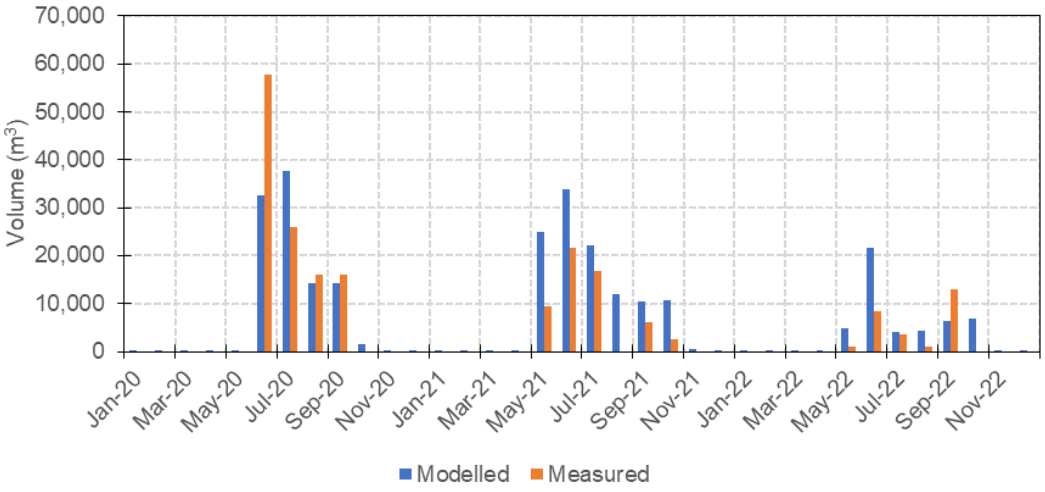


Figure 3-21: Measured (orange) and modelled (blue) monthly Whale Tail WRSF Pond inflows.

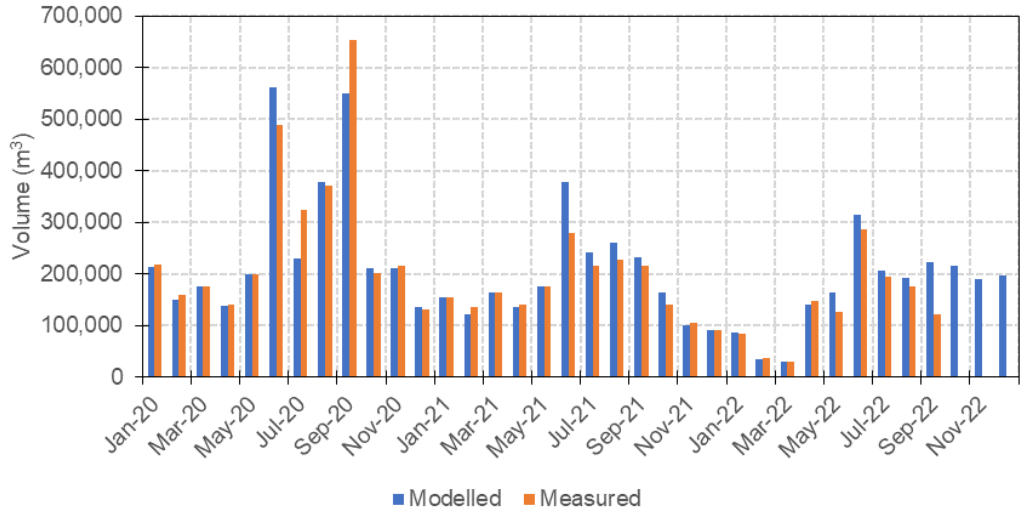


Figure 3-22: Measured (orange) and modelled (blue) monthly Whale Tail Attenuation Pond inflows.

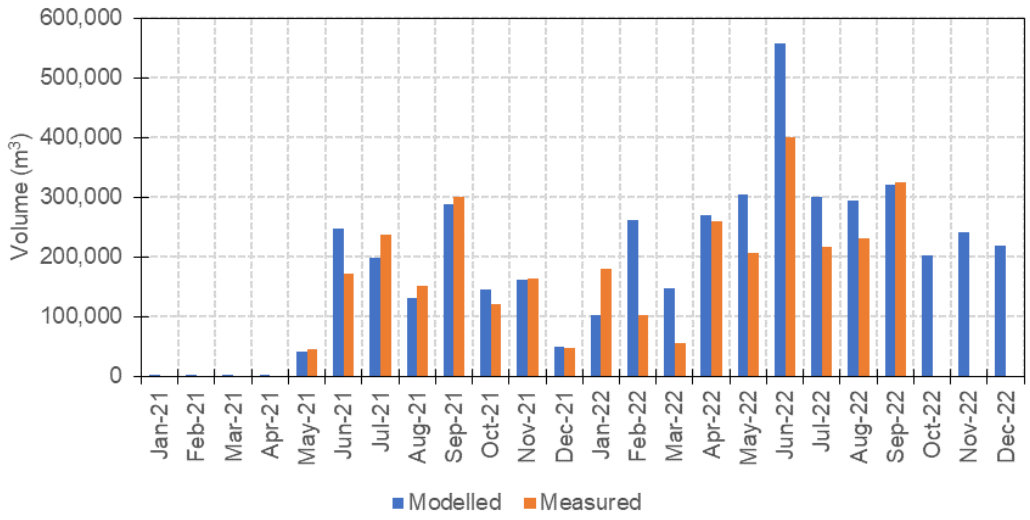


Figure 3-23: Measured (orange) and modelled (blue) IVR Attenuation Pond inflows.

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).

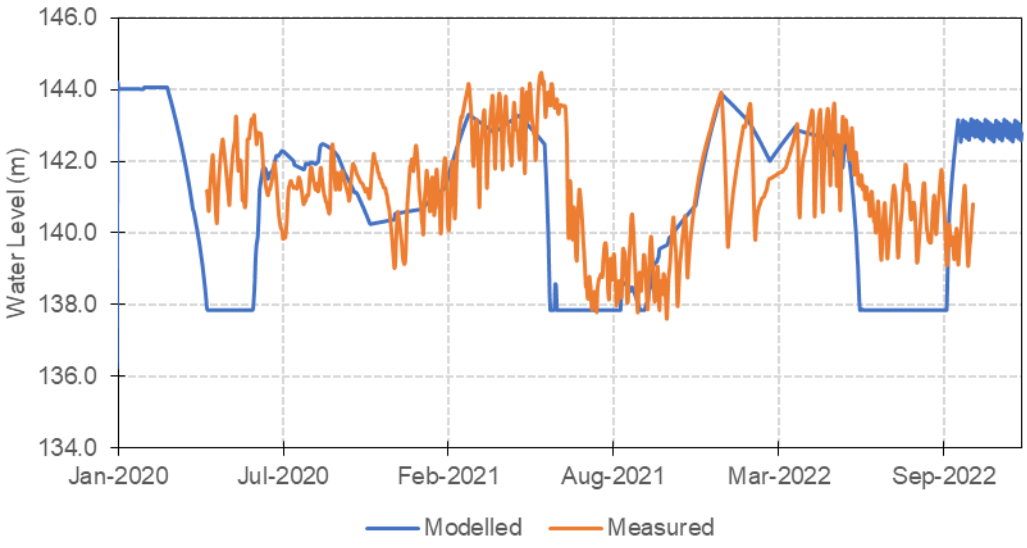


Figure 3-24: Measured (orange) and modelled (blue) Whale Tail Attenuation Pond water levels.

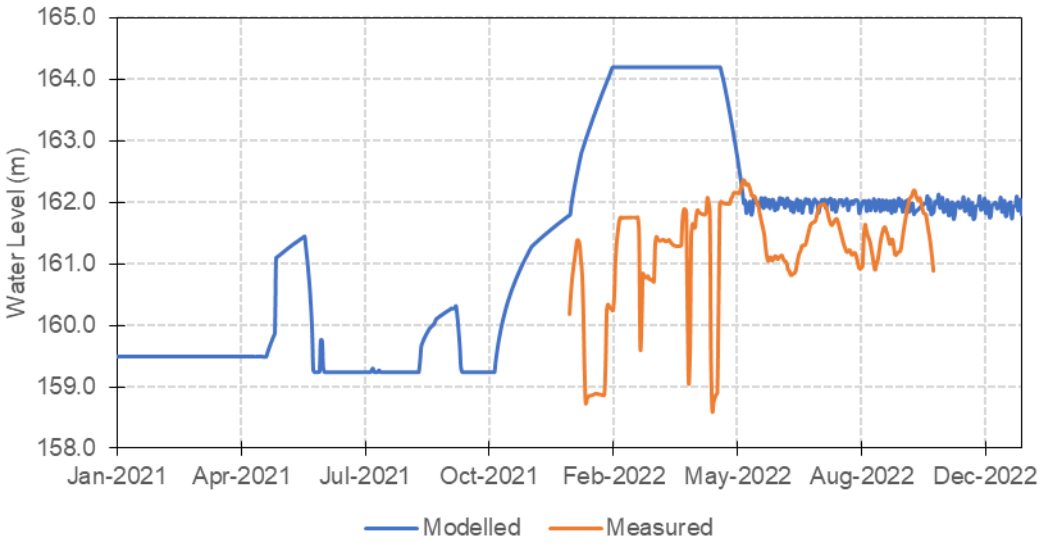


Figure 3-25: Measured (orange) and modelled (blue) IVR Attenuation Pond water levels.

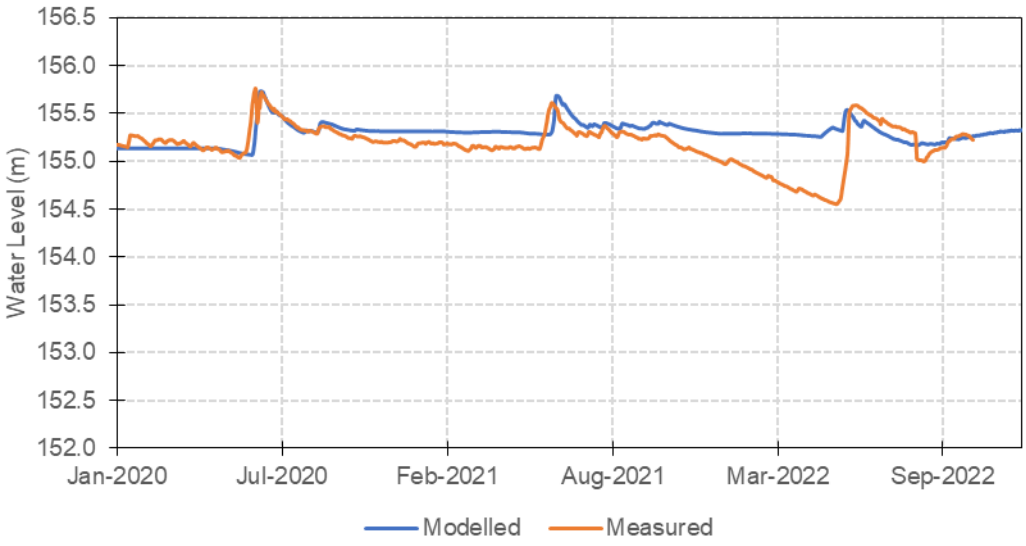


Figure 3-26: Measured (orange) and modelled (blue) Whale Tail South Basin water levels and outflows.

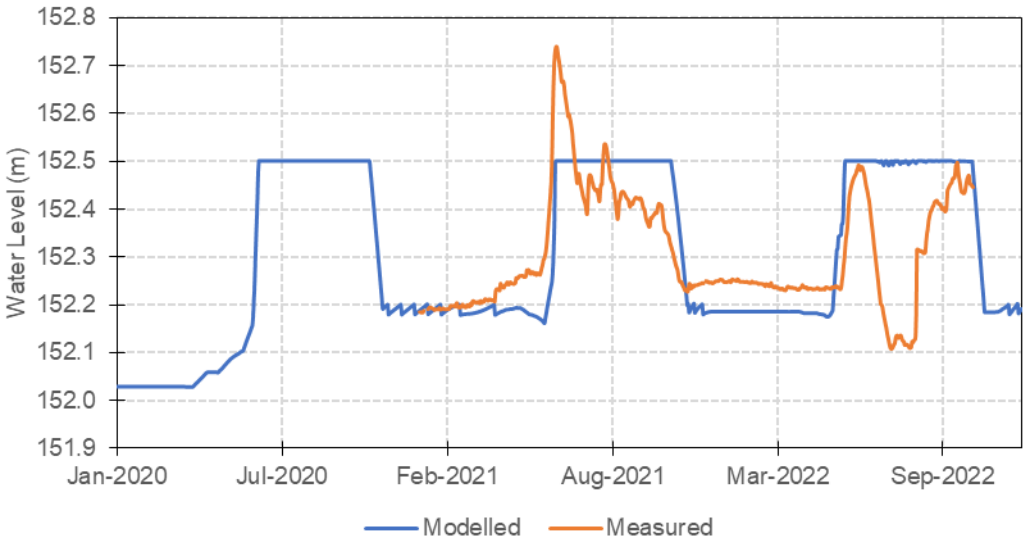


Figure 3-27: Measured (orange) and modelled (blue) Kangislulik Lake water levels and outflows.

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.

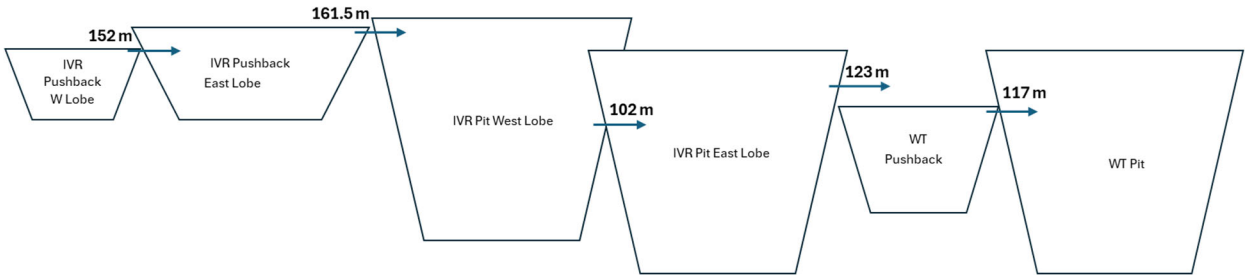
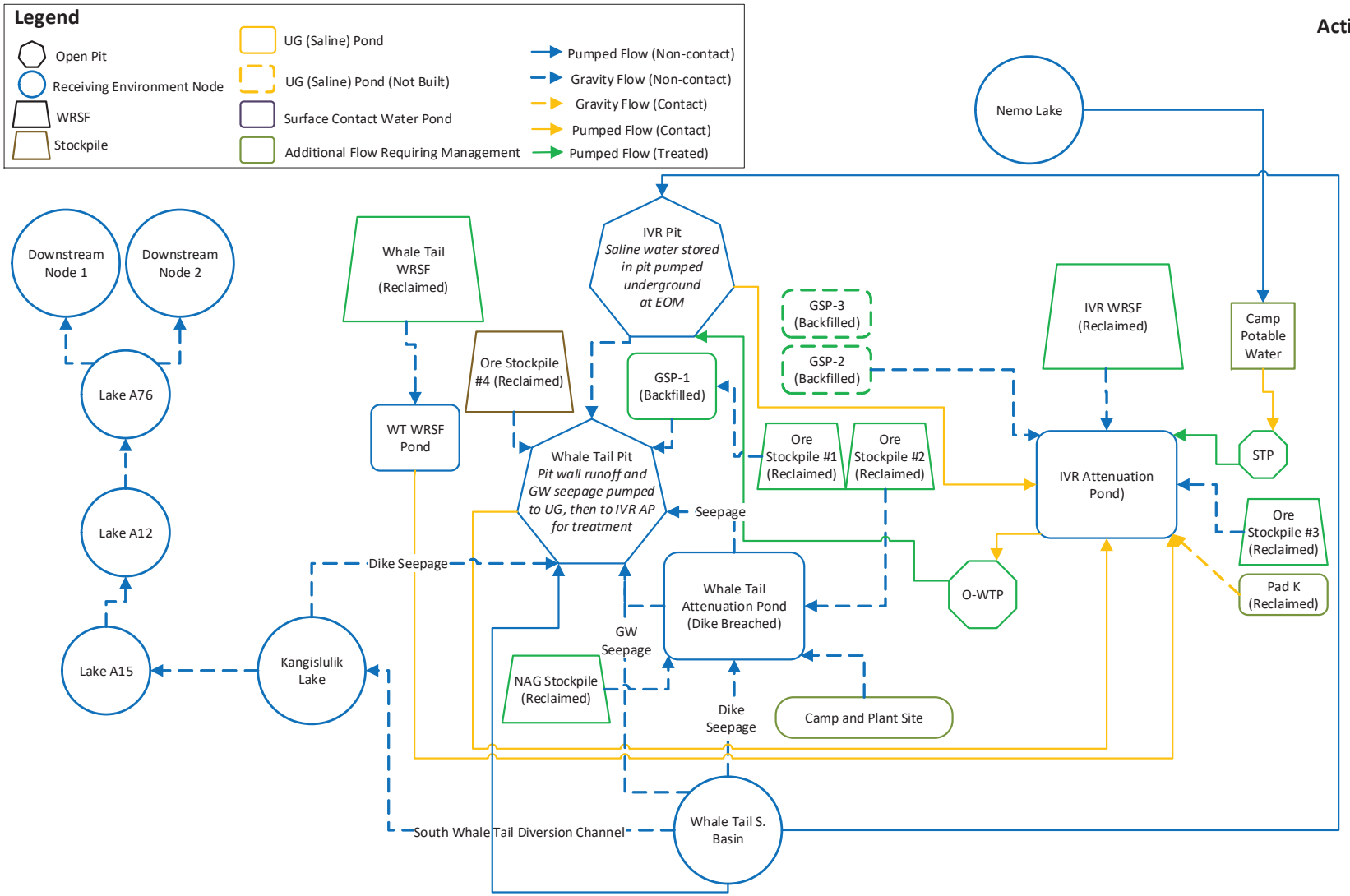


Figure 3-28: Open pit spill point elevations.



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-PIT- FLOODED

GSP-3

IVR-WRSF-DIKE

IVR-DIKE-NATURAL

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

WT-WRSF-POND-DIKE

OSP-1

OSP-2

HAUL TRUCK PARK

WT-PIT-FLOODED

WHALE TAIL LAKE (UIGUQLIQ) NORTH BASIN 153.5m

KANGISLULIK-DSDIKE-NATURAL

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-CAMP

WT-DIKE-LAKEBED

KANGISLULIK-DSDIKE-WATER

KANGISLULIK LAKE 152.5m

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

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
- 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

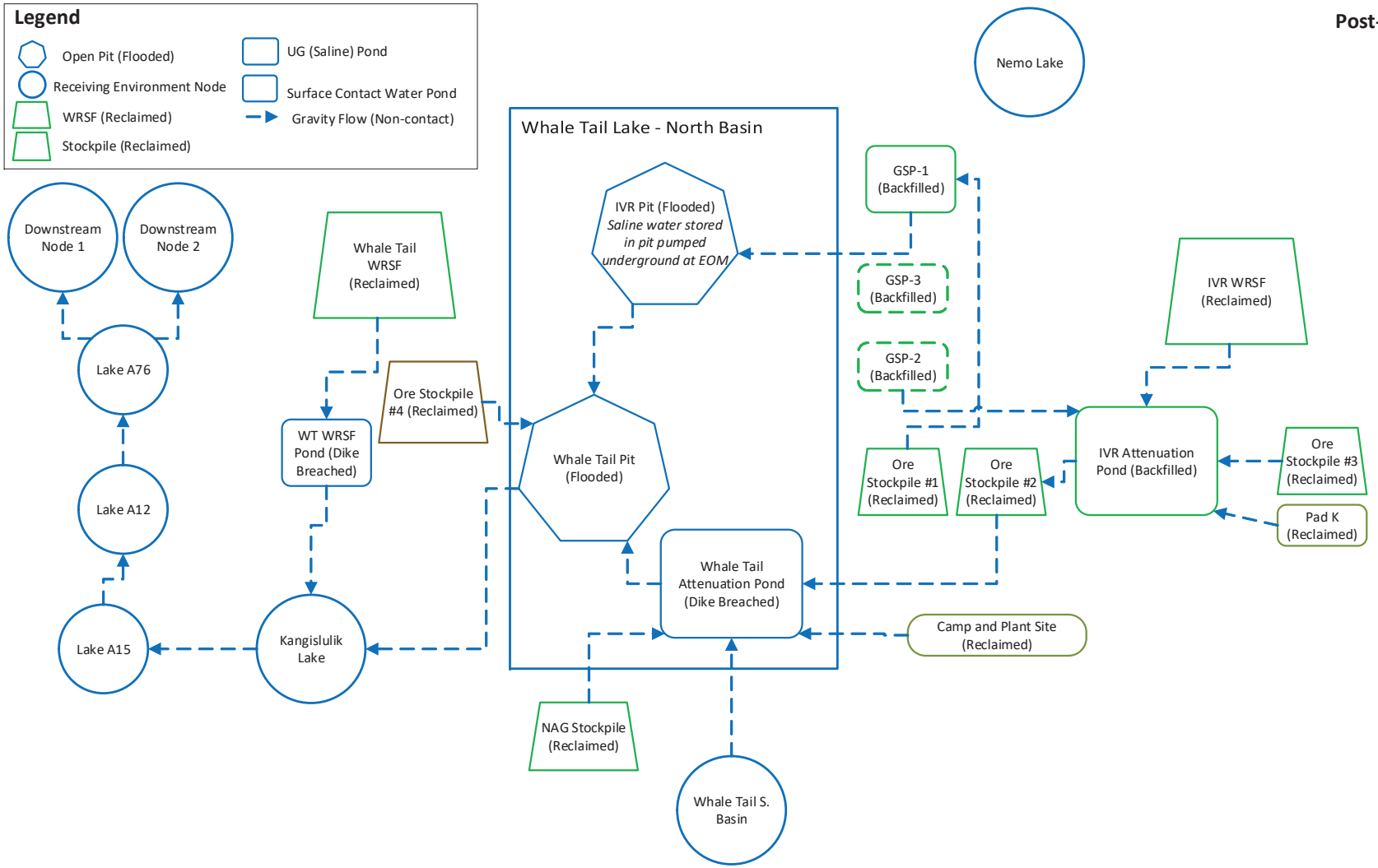
PROJECT: **Whale Tail ELOM WB/WQM**

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.

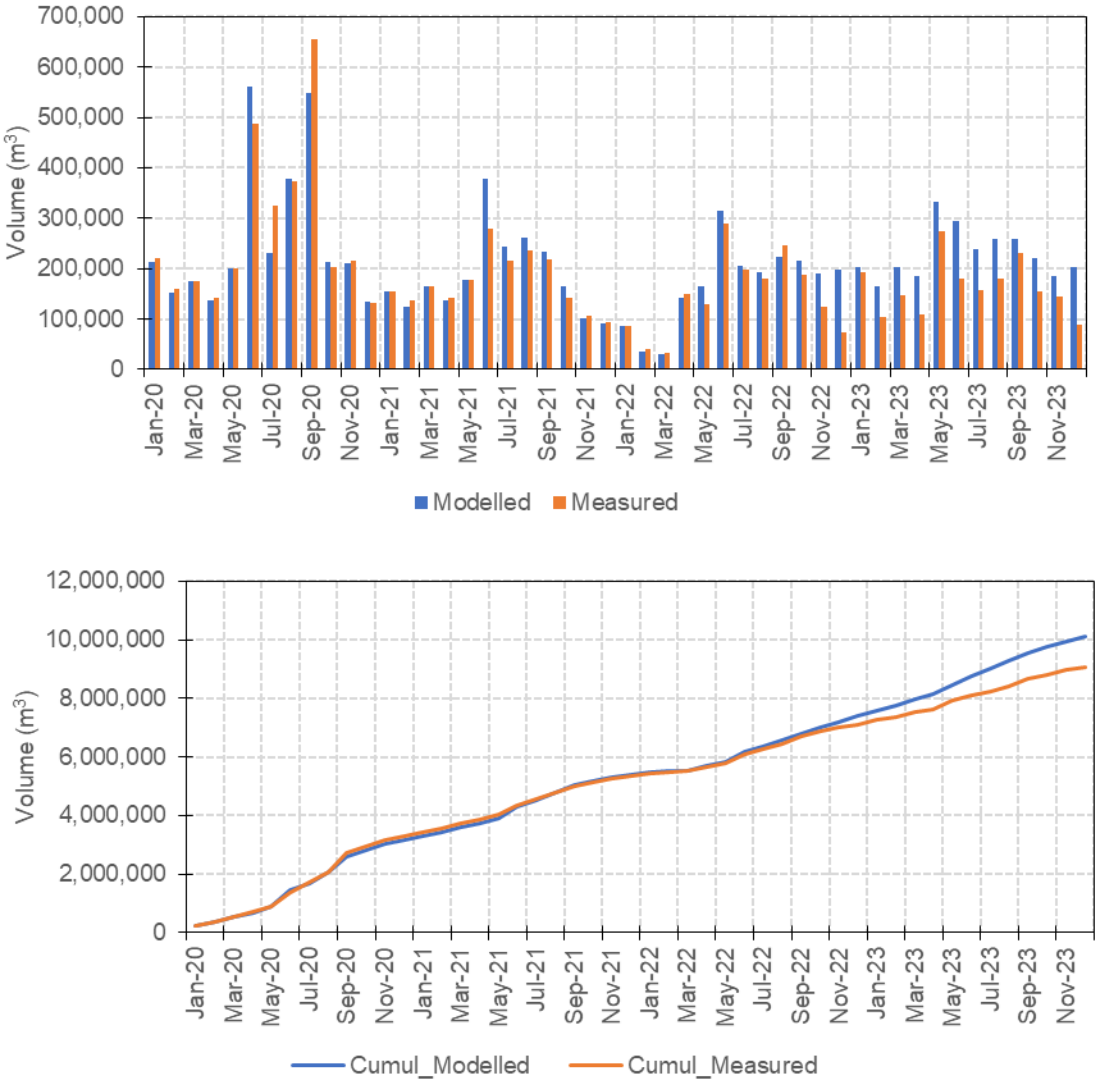


Figure 3-32: Modelled and measured monthly (top) and cumulative (bottom) pumped discharges from the Whale Tail Attenuation Pond.

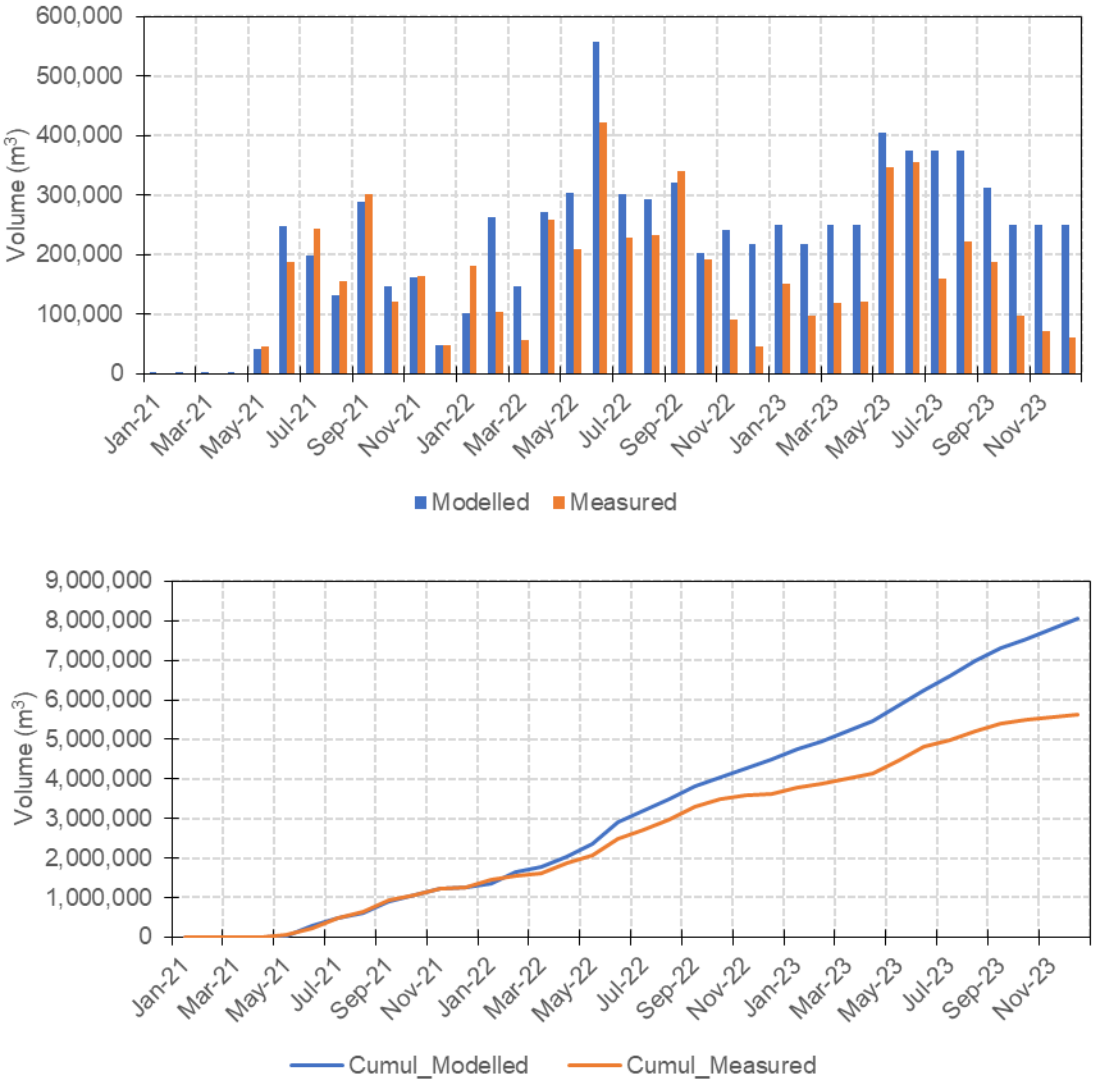


Figure 3-33: Modelled and measured monthly (top) and cumulative (bottom) pumped discharges from the IVR Attenuation Pond.

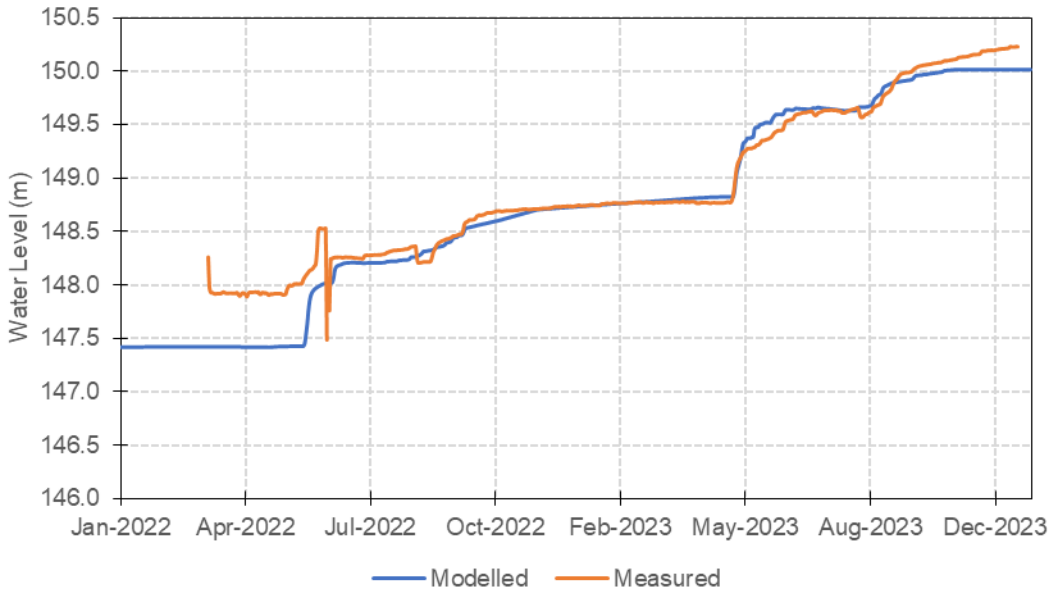


Figure 3-34: Modelled and measured daily water levels in the GSP-1 pond.

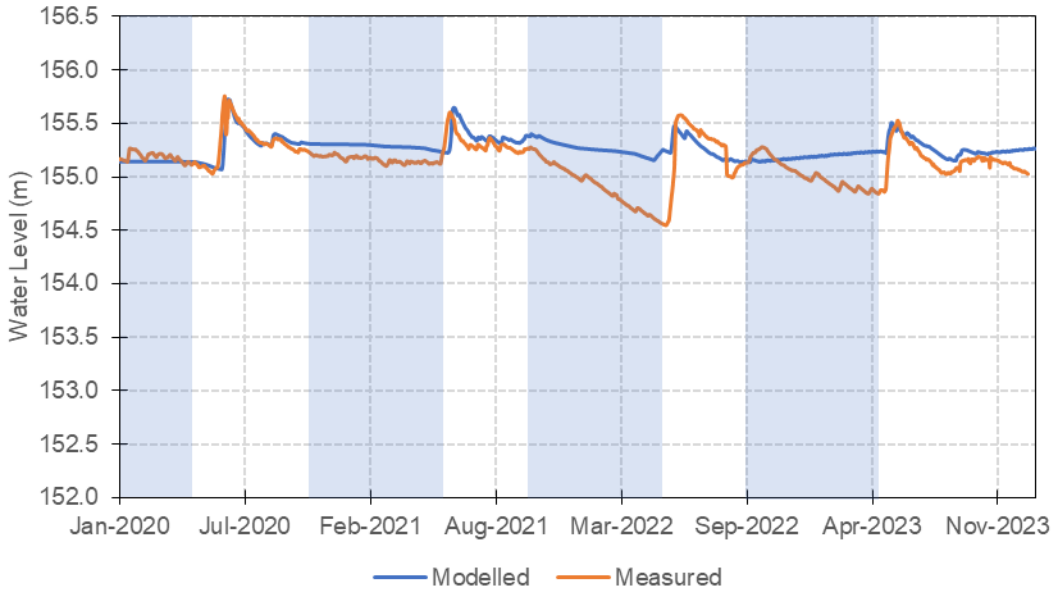


Figure 3-35: Modelled and measured daily water levels in Whale Tail South Basin. Winter period shown in highlighted blue areas.

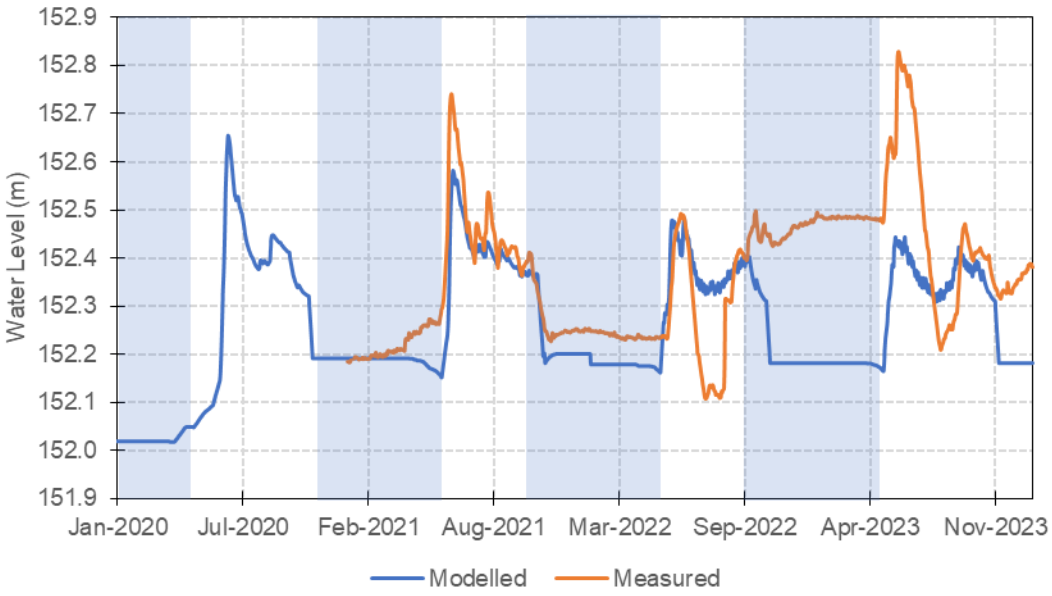


Figure 3-36: Modelled and measured daily water levels in Kangislulik Lake. Winter period shown in highlighted blue areas.

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.

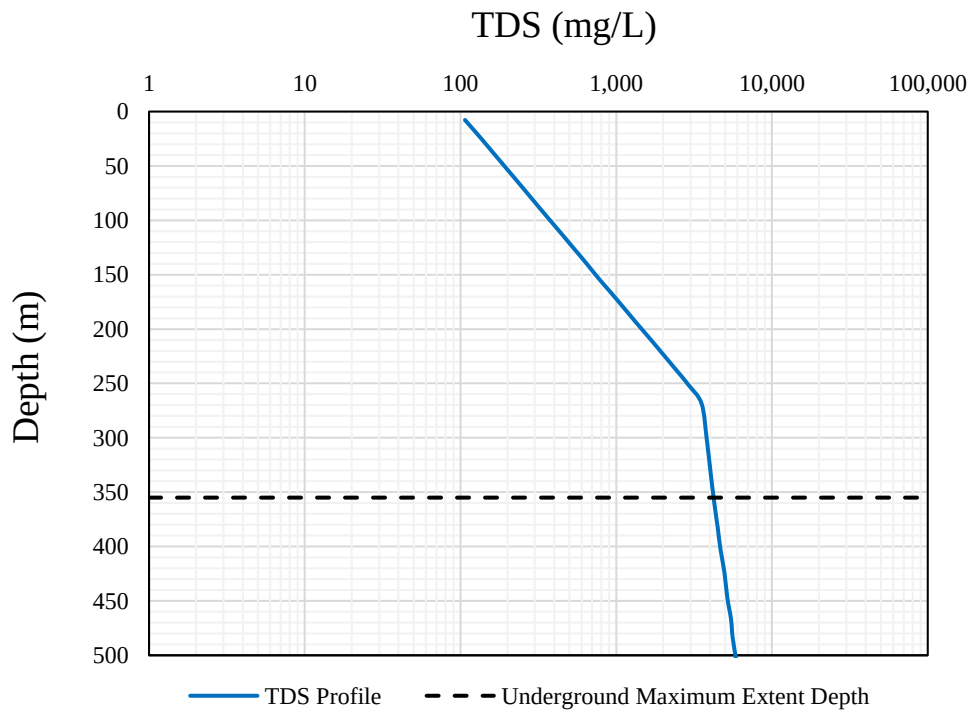


Figure 4-1: Underground subsurface total dissolved solids (TDS) depth profile modified from Golder (2022).

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.

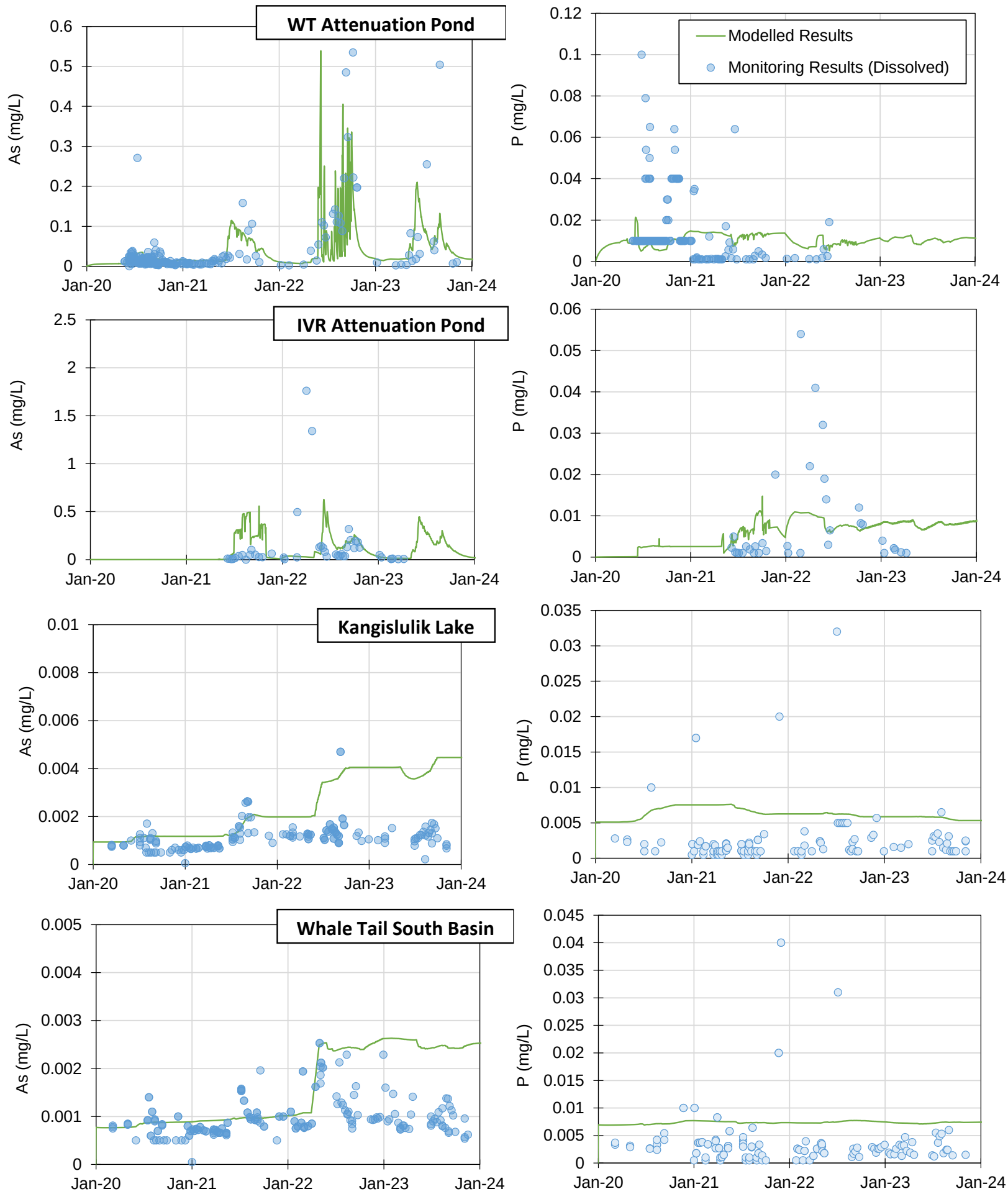


Figure 4-2: Water quality model results for arsenic and phosphorous validated against monitoring result from Whale Tail Attenuation Pond (ST-WT-1), IVR Attenuation Pond (ST-WT-23), Kangislulik Lake (MAM and MAME-1) and Whale Tail South Basin (WTS, WTSE and WTSE-1).

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.

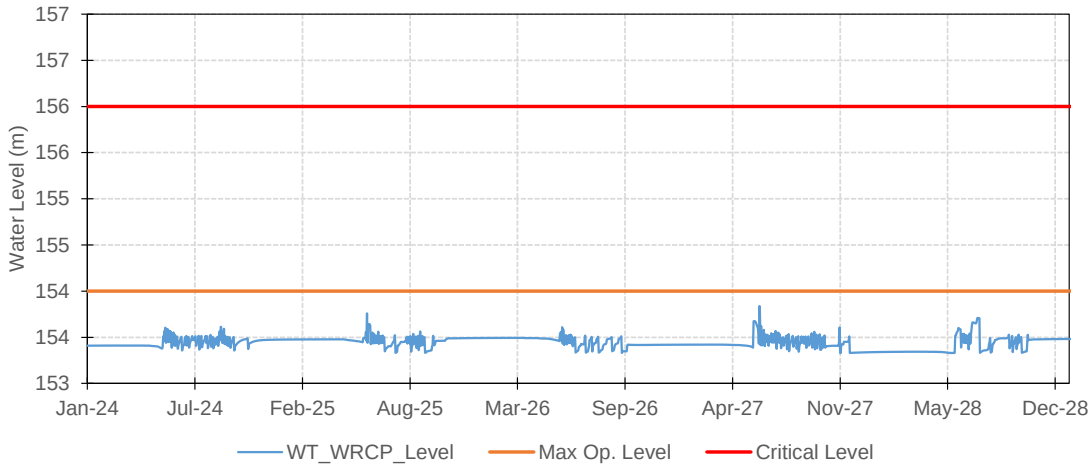


Figure 5-1: Predicted water levels and target operating levels in Whale Tail Waste Rock Storage Facility Collection Pond for the Operations phase. Maximum operating level shown by orange line, and critical level shown by red line.

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

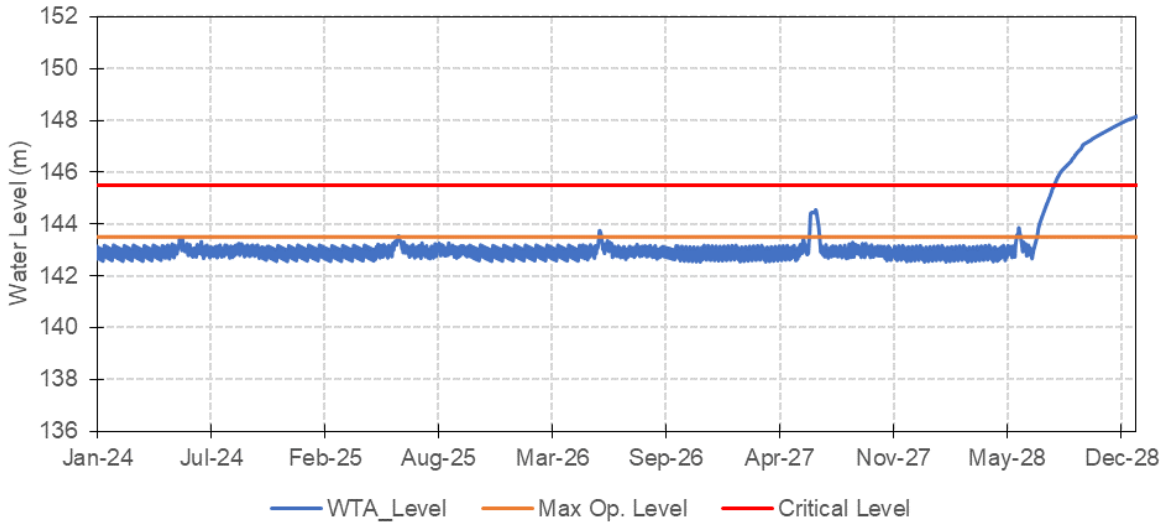


Figure 5-2: Predicted water levels and target operating levels in the Whale Tail Attenuation Pond for the Operations phase. Maximum operating level shown by orange line, and critical level shown by red line.

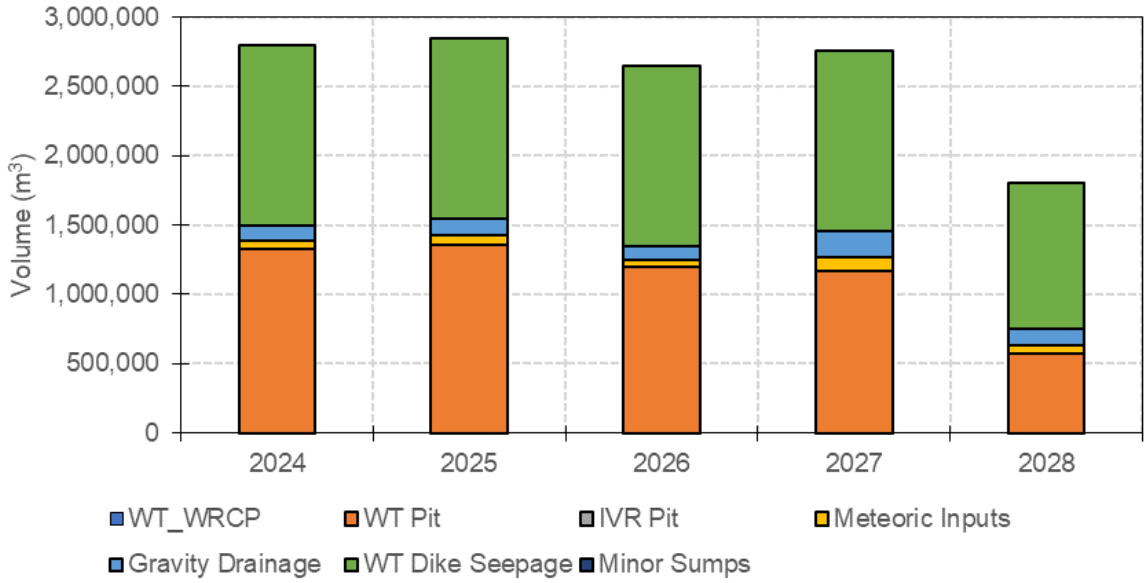


Figure 5-3: Annual inflow volumes to the Whale Tail Attenuation Pond during the Operations phase.

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).

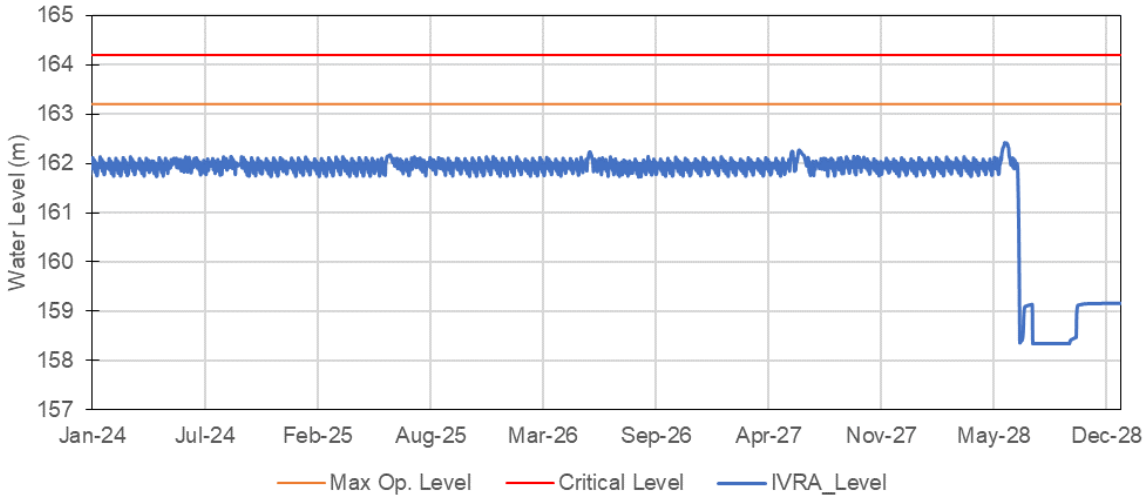


Figure 5-4: Predicted water levels and target operating levels in the IVR Attenuation Pond for the Operations phase. Maximum operating level shown by orange line, and critical level shown by red line.

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

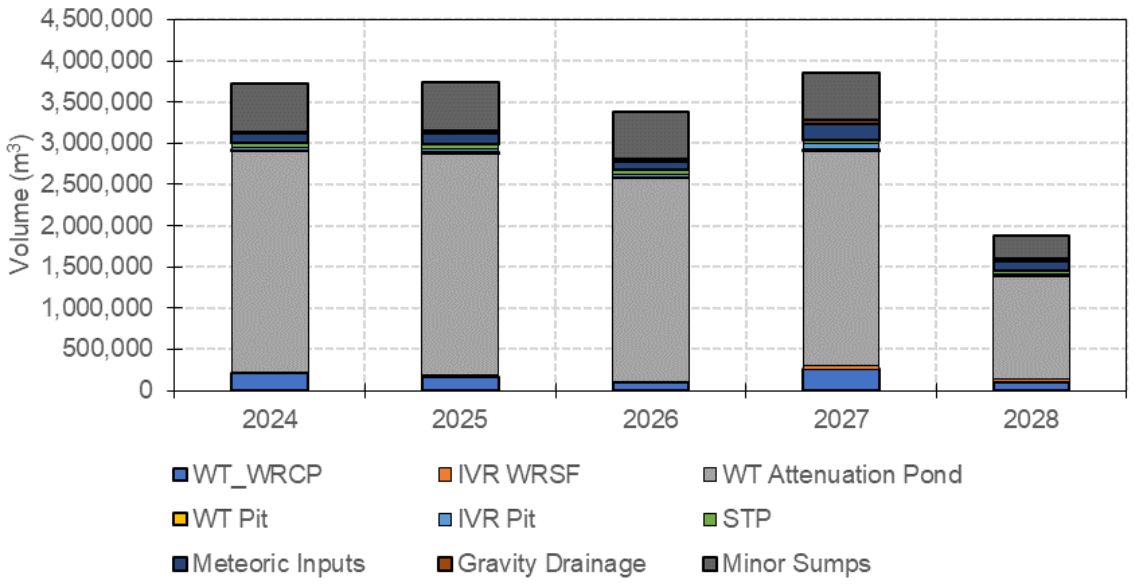


Figure 5-5: Annual inflow volumes to the IVR Attenuation Pond during the Operations phase.

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.

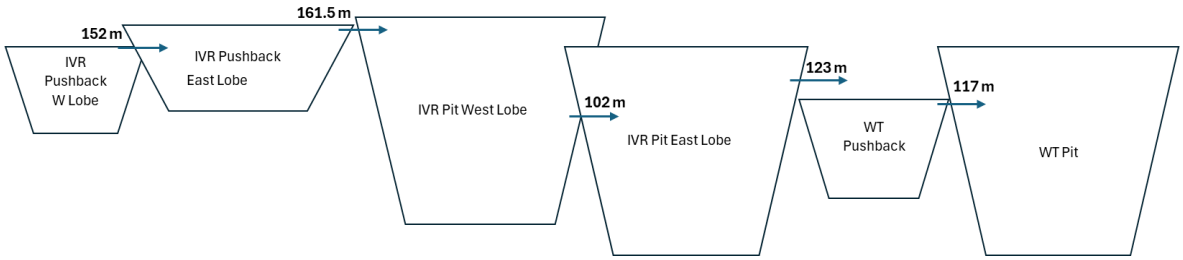


Figure 5-6: Conceptual pit cross-sections showing spill point elevations between pit lobes.

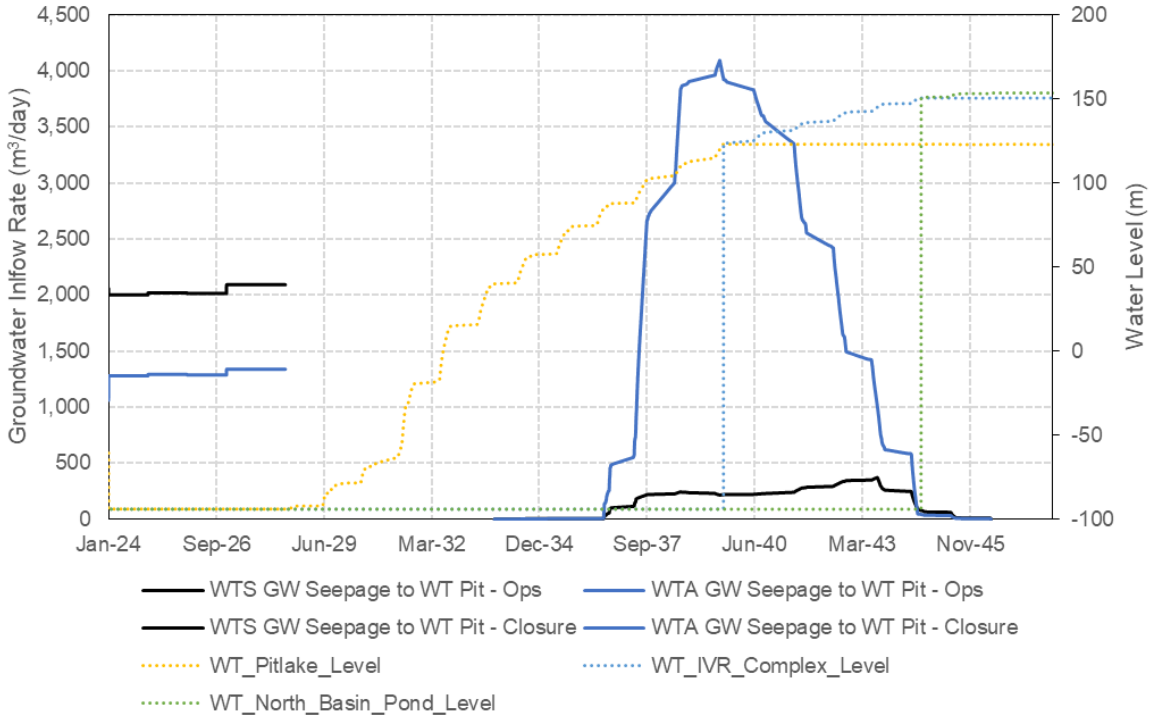


Figure 5-7: Seepage from Whale Tail Attenuation Pond and Whale Tail South Basin into Whale Tail Pit, as a function of Whale Tail Pit lake water level.

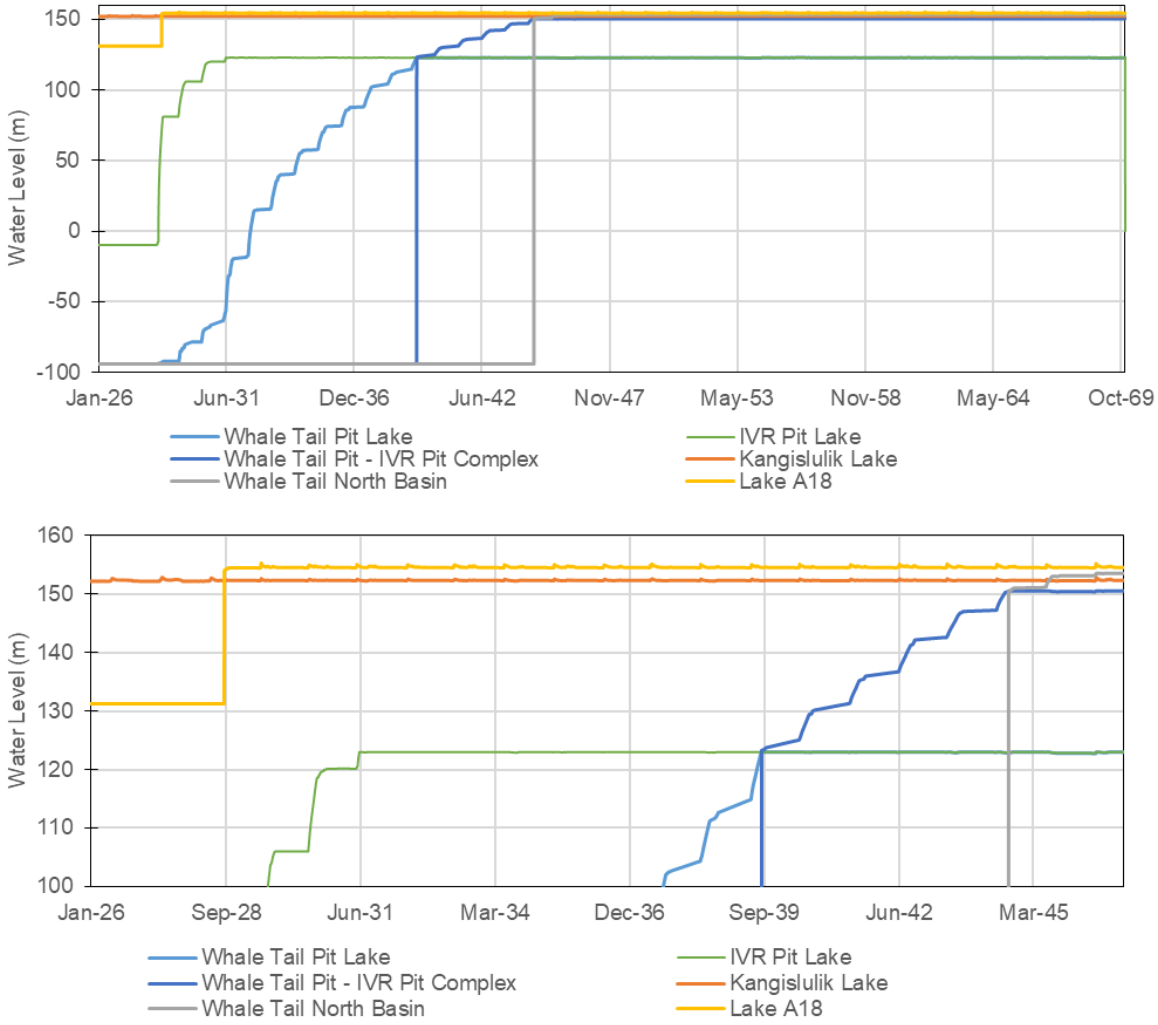


Figure 5-8: Closure lake water levels for the full range during the flooding period (top panel) and focused on the final lake elevations (bottom panel).

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.

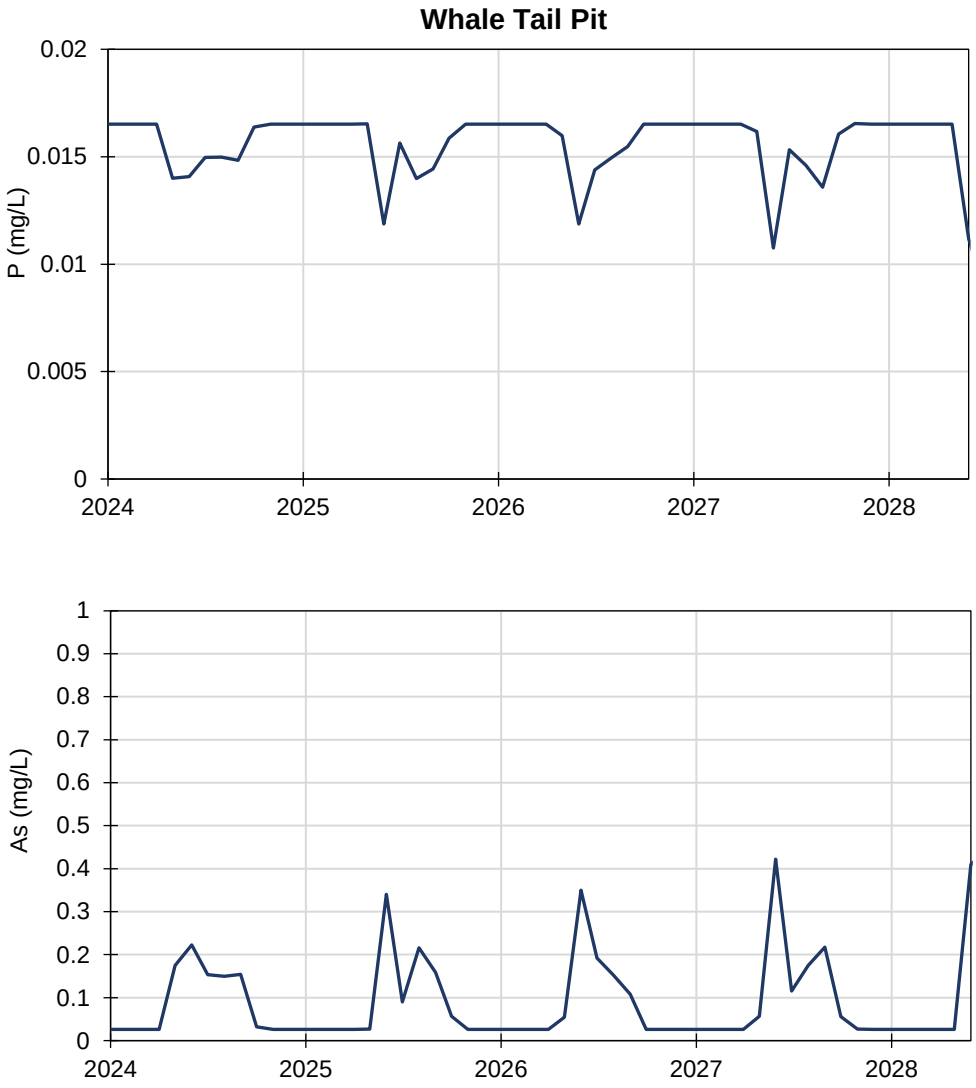


Figure 6-1: Predicted phosphorous (P) and arsenic (As) concentrations for the Whale Tail Pit during Operations in the Whale Tail ELOM model.

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).

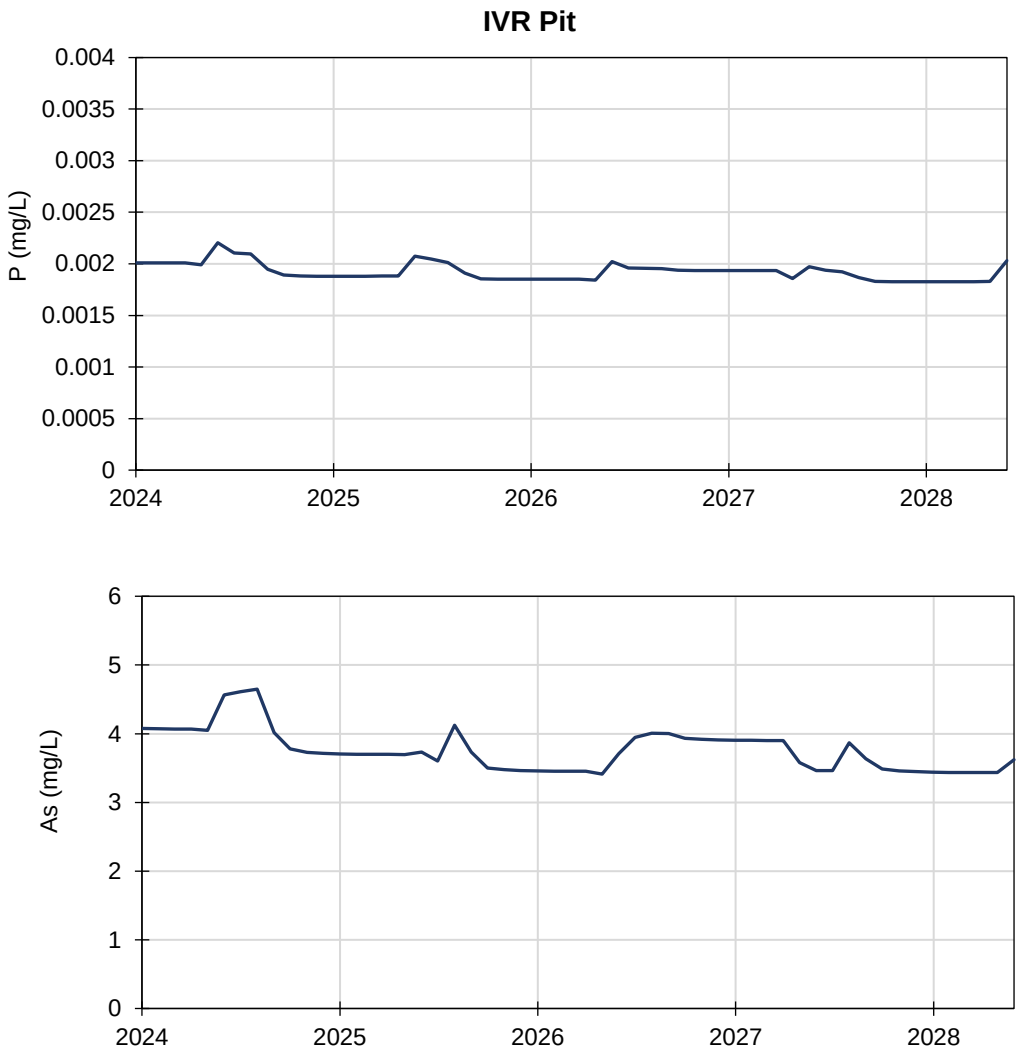


Figure 6-2: Predicted phosphorous (P) and arsenic (As) concentrations for the Whale Tail Pit during Operations in the Whale Tail ELOM model.

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).

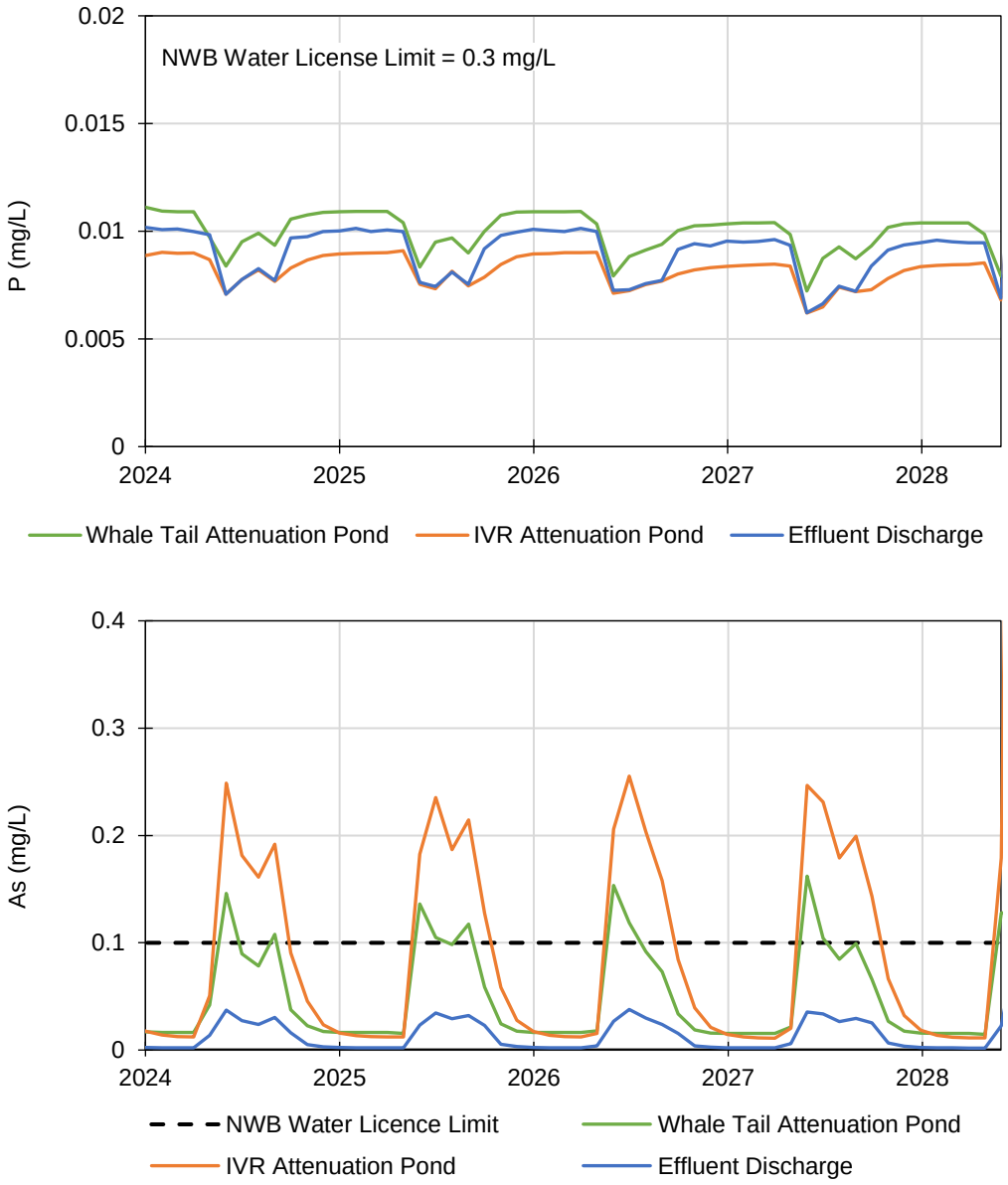


Figure 6-3: Predicted phosphorous (P) and arsenic (As) concentrations in the Whale Tail Attenuation Pond, IVR Attenuation Pond, and the treated O-WTP effluent during Operations in the Whale Tail ELOM model.

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).

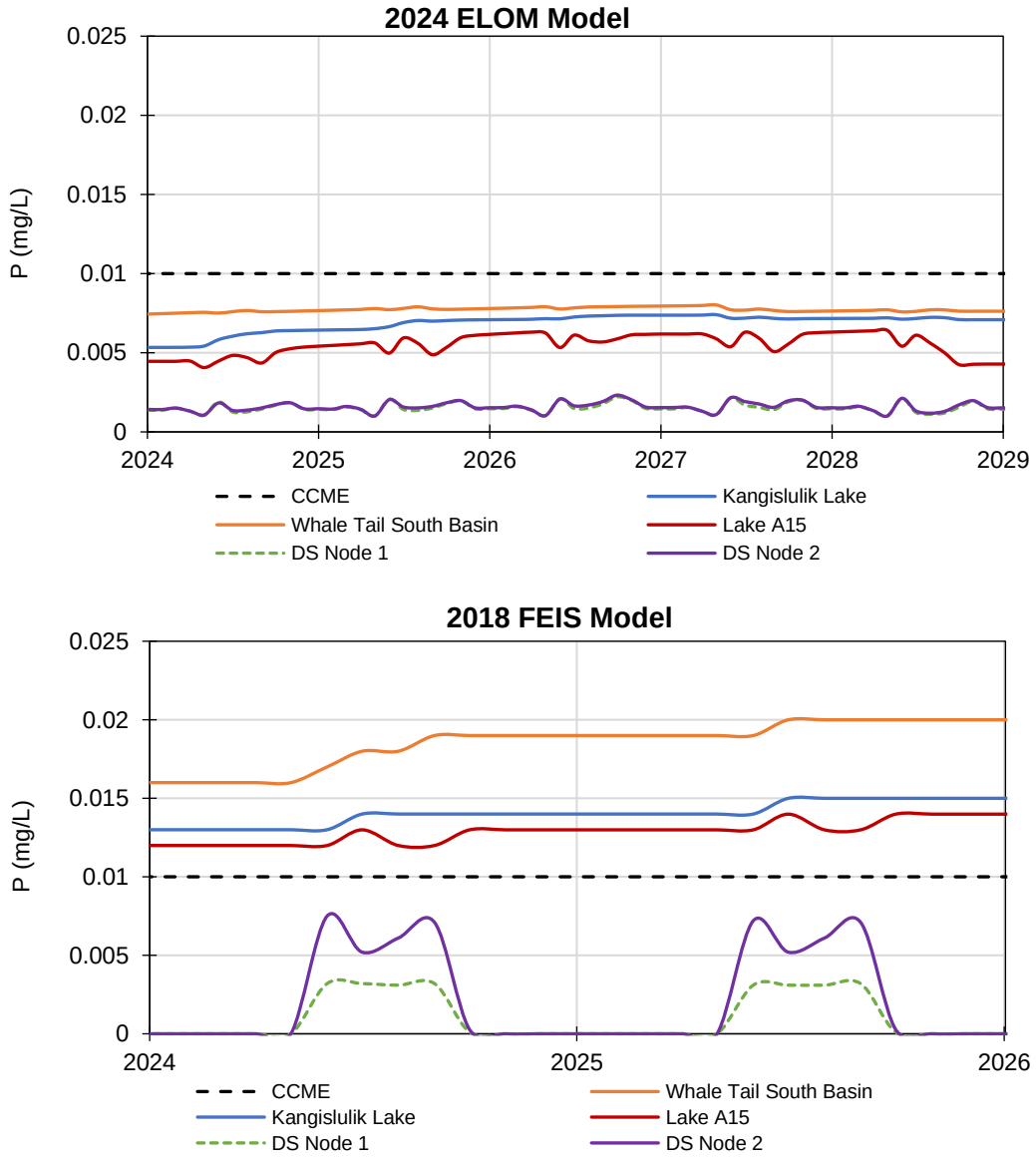


Figure 6-4: Predicted phosphorous (P) concentrations for the receiving environment and downstream lakes during Operations in the Whale Tail ELOM model as compared to the 2018 FEIS model.

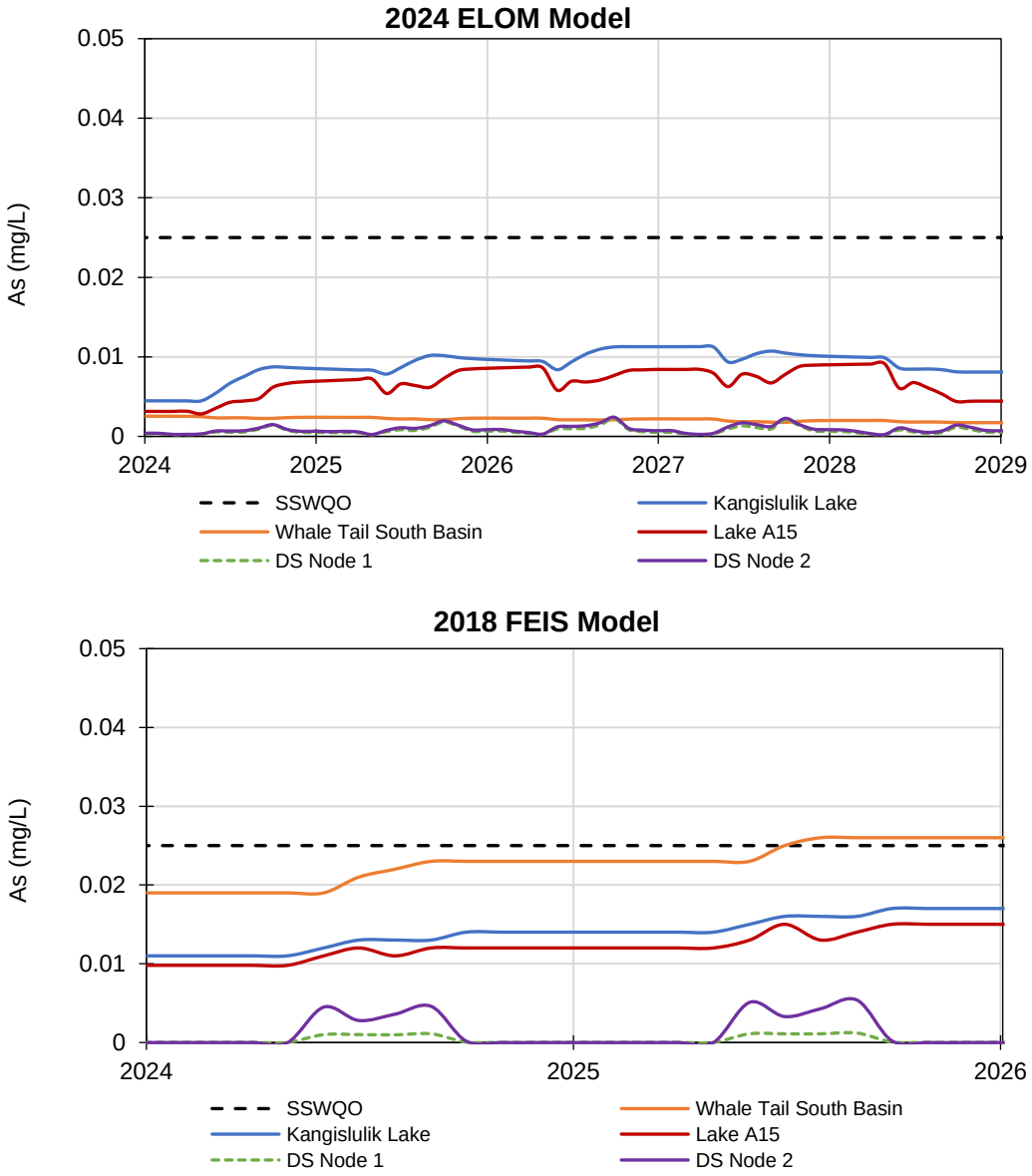


Figure 6-5: Predicted arsenic (As) concentrations for the receiving environment and downstream lakes during Operations in the Whale Tail ELOM model as compared to the 2018 FEIS model.

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).

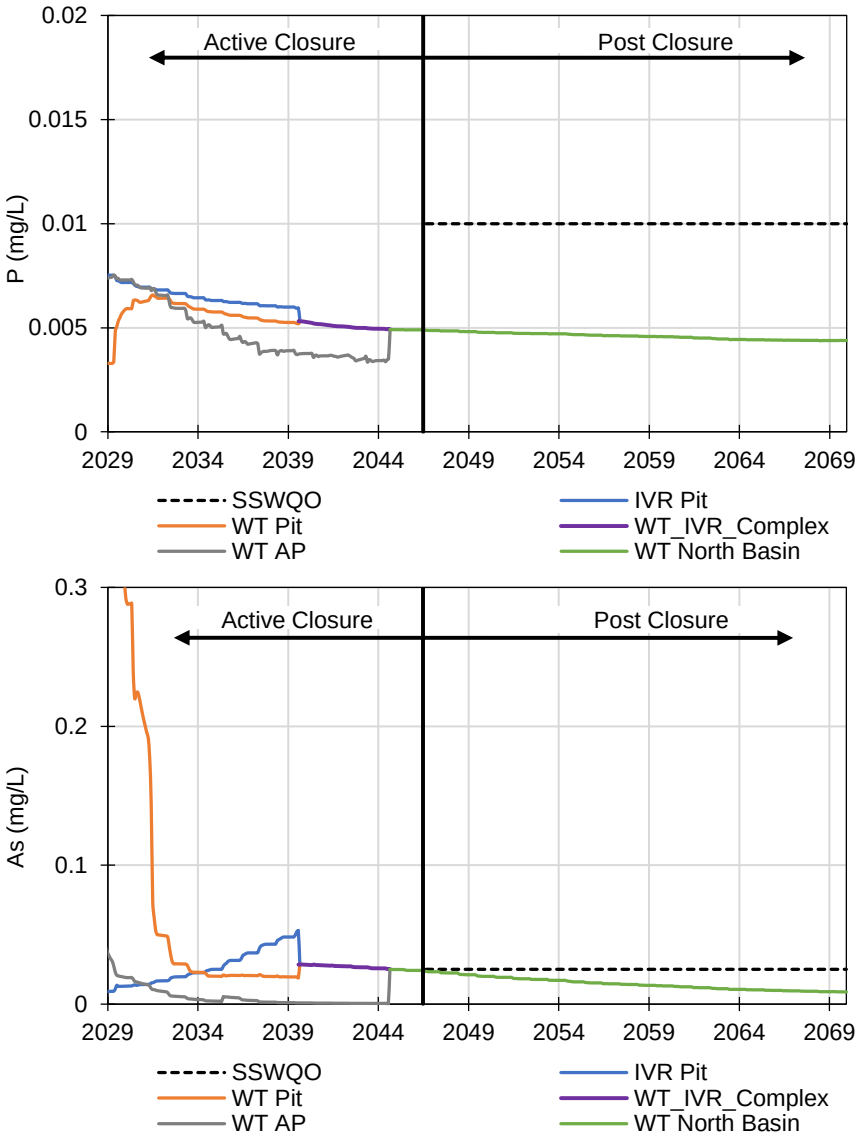


Figure 6-6: Projected phosphorus (P) and arsenic (As) concentrations for pit lakes and the Whale Tail Attenuation Pond during Active Closure and Post-Closure in the ELOM model. The Whale Tail North Basin is comprised of the Whale Tail Pit, IVR Pit, Whale Tail Attenuation Pond, and Kangislulik Lake from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

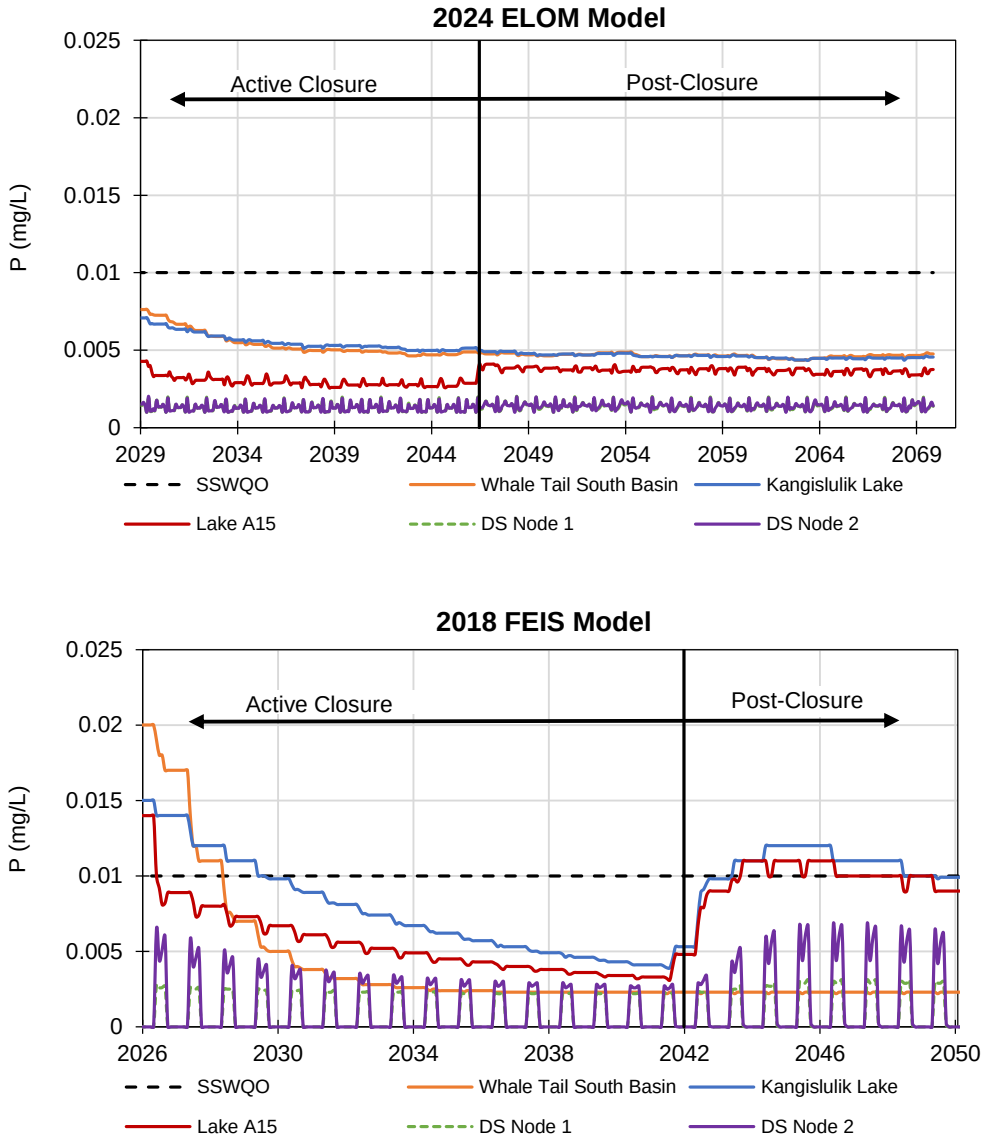


Figure 6-7: Predicted phosphorous (P) concentrations for the receiving environment and downstream lakes during Active Closure and Post-Closure in the ELOM model as compared to the 2018 FEIS model.

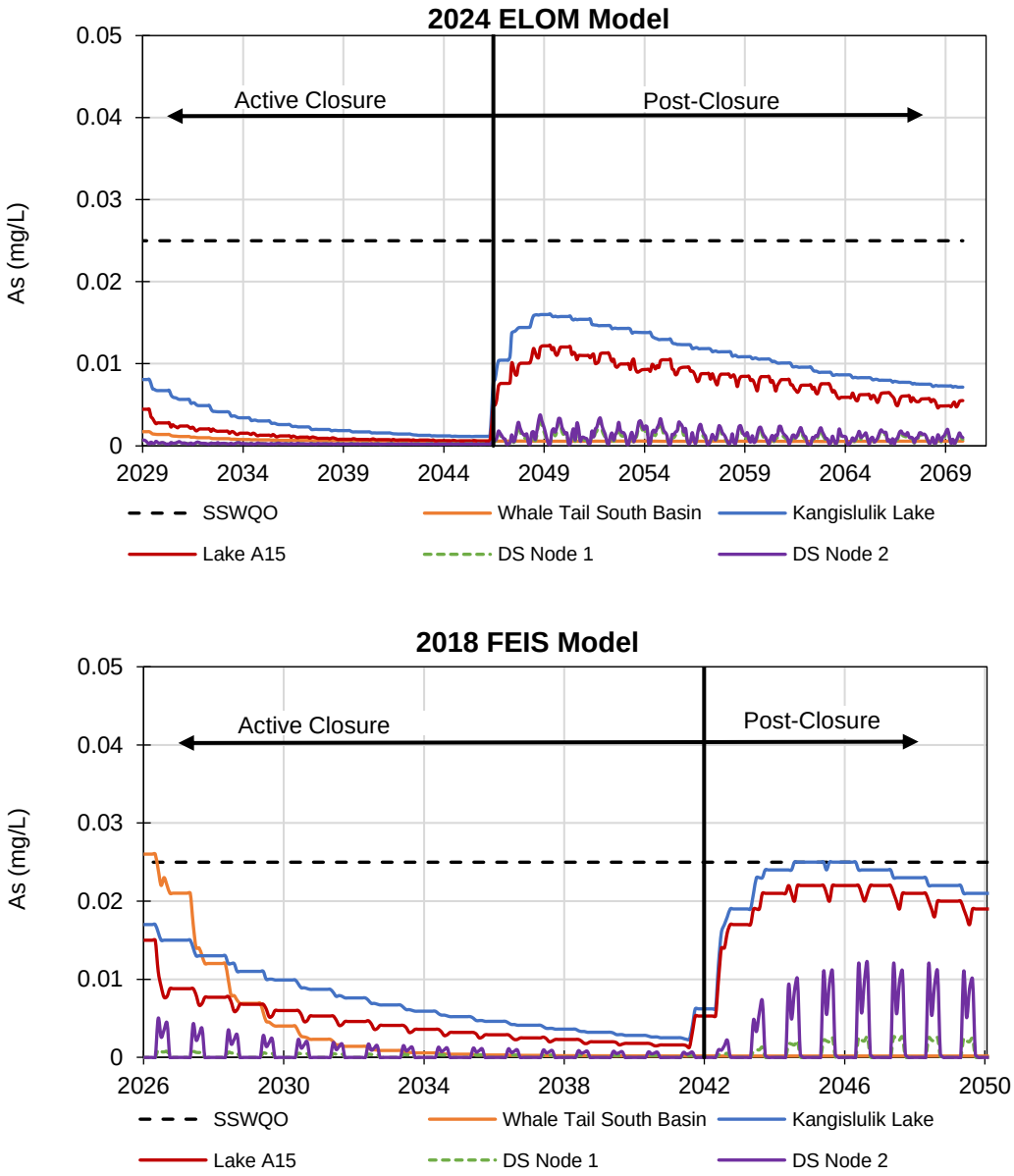


Figure 6-8: Predicted arsenic (As) concentrations for the receiving environment and downstream lakes during Active Closure and Post-Closure in the ELOM model as compared to the 2018 FEIS model.

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

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



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
IVR-DIVERSION-NATURAL
NEMO LAKE
US-IVRPIT-NATURAL
NE-DIKE
WHALE TAIL WRSF
WT-WRSF-DIKE
OSP-1 (BRINE)
EXP-WRPAD
IVR-DIKE-NATURAL
US-WTPIT-NATURAL
FUEL FACILITIES
IVR-ATTENPOND
WT-WRSF-POND
WRSF-POND-DIKE
OSP-4
OSP-1
WT-PIT
OSP-2
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

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: **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

WHALE TAIL SOUTH BASIN

WT-USDIKE-NATURAL

KANGISLULIK-DSDIKE-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:	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-DIKE WHALE TAIL WRSF WT-WRSF-IVRPUSHBACK WT-WRSF-WTPIT

IVR-PIT-PUSHBACK WT-PIT-PUSHBACK

EXP-WRPAD OSP-4 OSP-3 OSP-1 OSP-2

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

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 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

WT-WRSF-WTPIT

OSP-4

FUEL-FACILITIES

OSP-3

PAD K

IVR-ATTENPOND

OSP-1

OSP-2

WT-POND-DIKE

WT-WRSF-POND

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

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:	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-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

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-WATER
NEMO-LAKE-NATURAL
NEMO LAKE
US-IVR-WRSF-NATURAL
IVR-DIVERSION-NATURAL
IVR DIVERSION
US-IVRPIT-NATURAL-WEST
US-IVRPIT-NATURAL-EAST
IVR-DIKE-NATURAL
IVR-PIT EAST
IVR-WRSF-DIKE
GSP-3
IVR-PIT WEST
IVR-WRSF-IVRPIT
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-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-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

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-PIT EAST IVR-PIT WEST GSP-3 IVR-WRSF-DIKE IVR-DIKE-NATURAL IVR-WRSF-IVRPIT IVR WRSF

WT-WRSF-IVRPIT WT-WRSF-DIKE WHALE TAIL WRSF IVR-PIT-PUSHBACK WT-WRSF-IVRPUSHBACK WT-PIT-PUSHBACK GSP-2 GSP-1 EXP-IWRPAD WT-WRSF-WTPIT OSP-2 FUEL-FACILITIES OSP-3 PAD K IVR-ATTENPOND

WT-WRSF-POND WRSF-POND-DIKE HAUL TRUCK PARK OSP-1 OSP-2 WT-PIT

WT-ATTENPOND WT-DIKE-NATURAL WAREHOUSE-PAD 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 WT-USDIKE-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: 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

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

IVR-PIT- FLOODED

GSP-3

GSP-2

GSP-1

EXP-WRPAD

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

WT-WRSF-POND-DIKE

HAUL TRUCK PARK

WT-PIT-FLOODED

WHALE TAIL LAKE (UIGUQLIQ) NORTH BASIN 153.5m

KANGISLULIK-DSDIKE-NATURAL

WT-DIKE-NATURAL

WAREHOUSE-PAD

WT-CAMP

WT-DIKE-LAKEBED

KANGISLULIK-DSDIKE-WATER

KANGISLULIK LAKE 152.5m

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

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
- 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

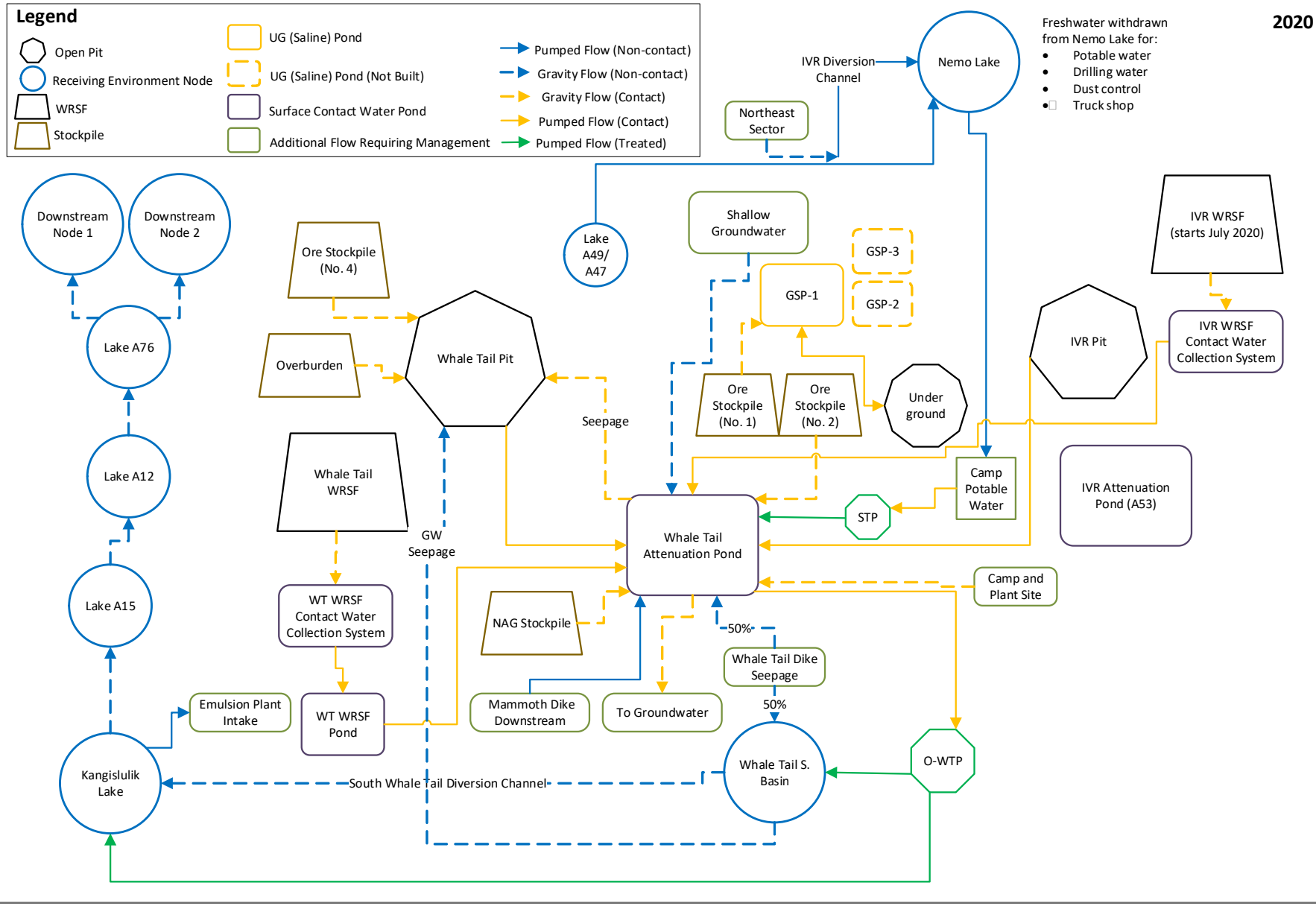
Appendix A.2: Whale Tail Mine ELOM Mine Area Annual Catchment Areas

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

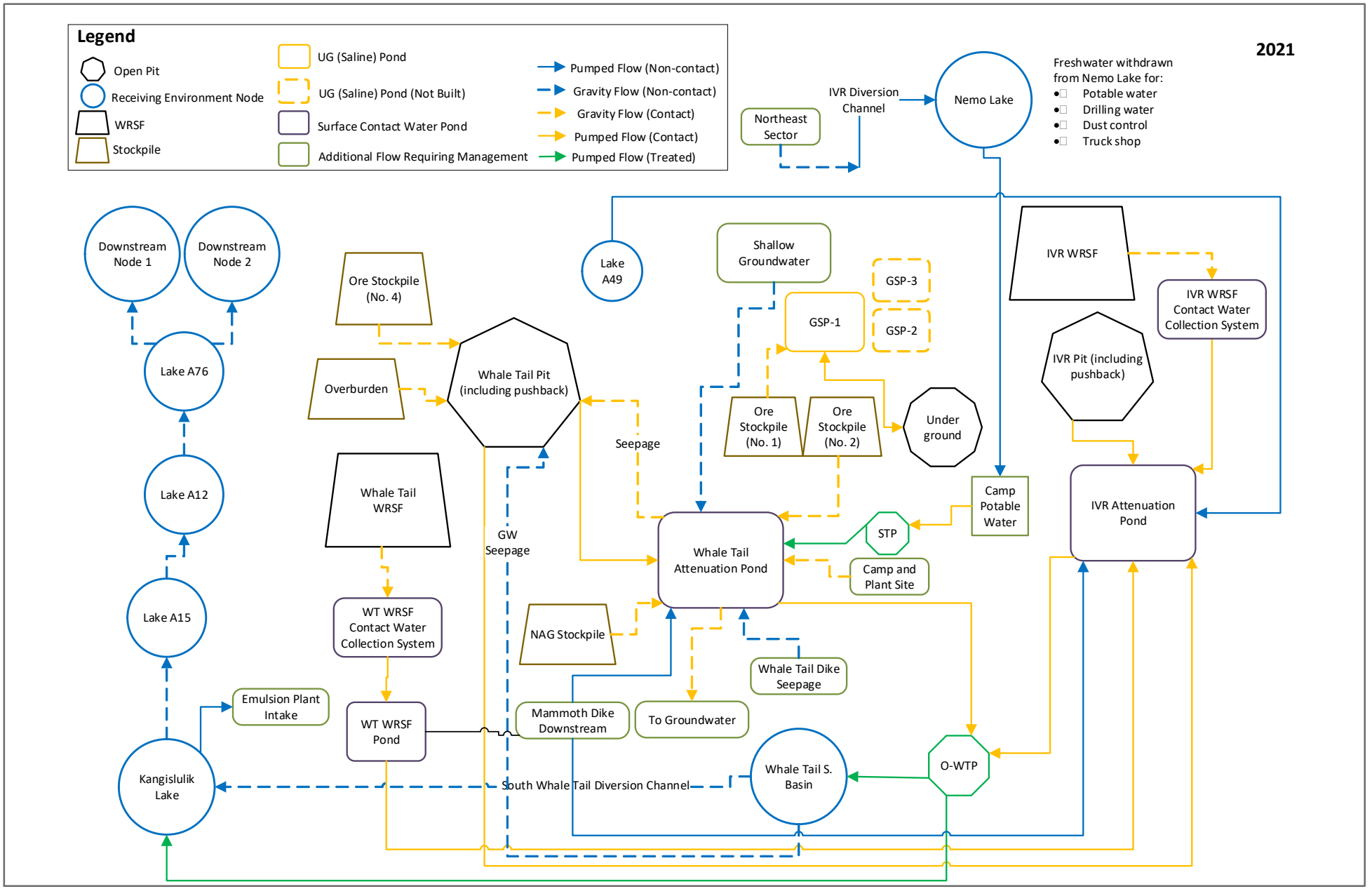
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

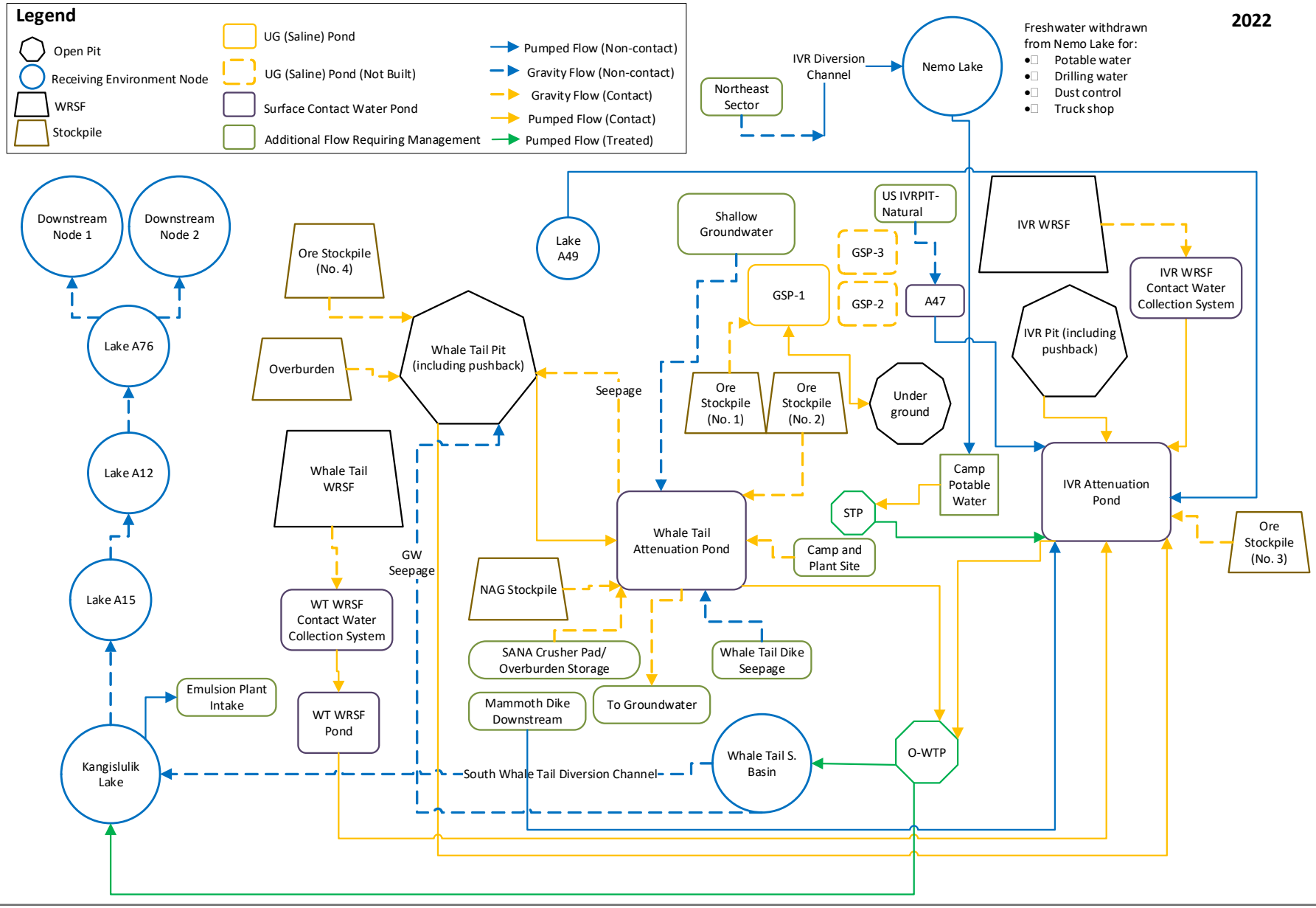
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

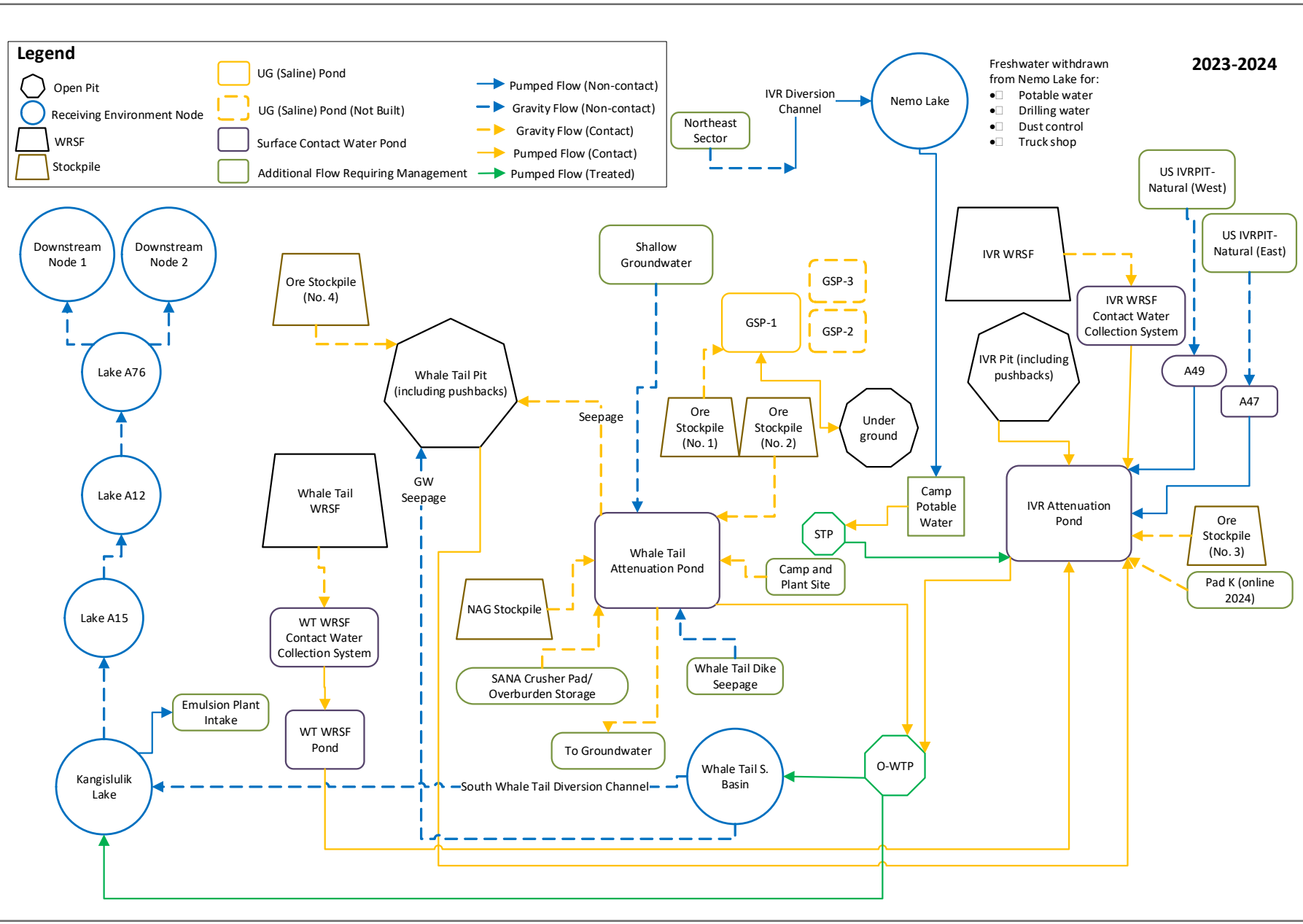
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

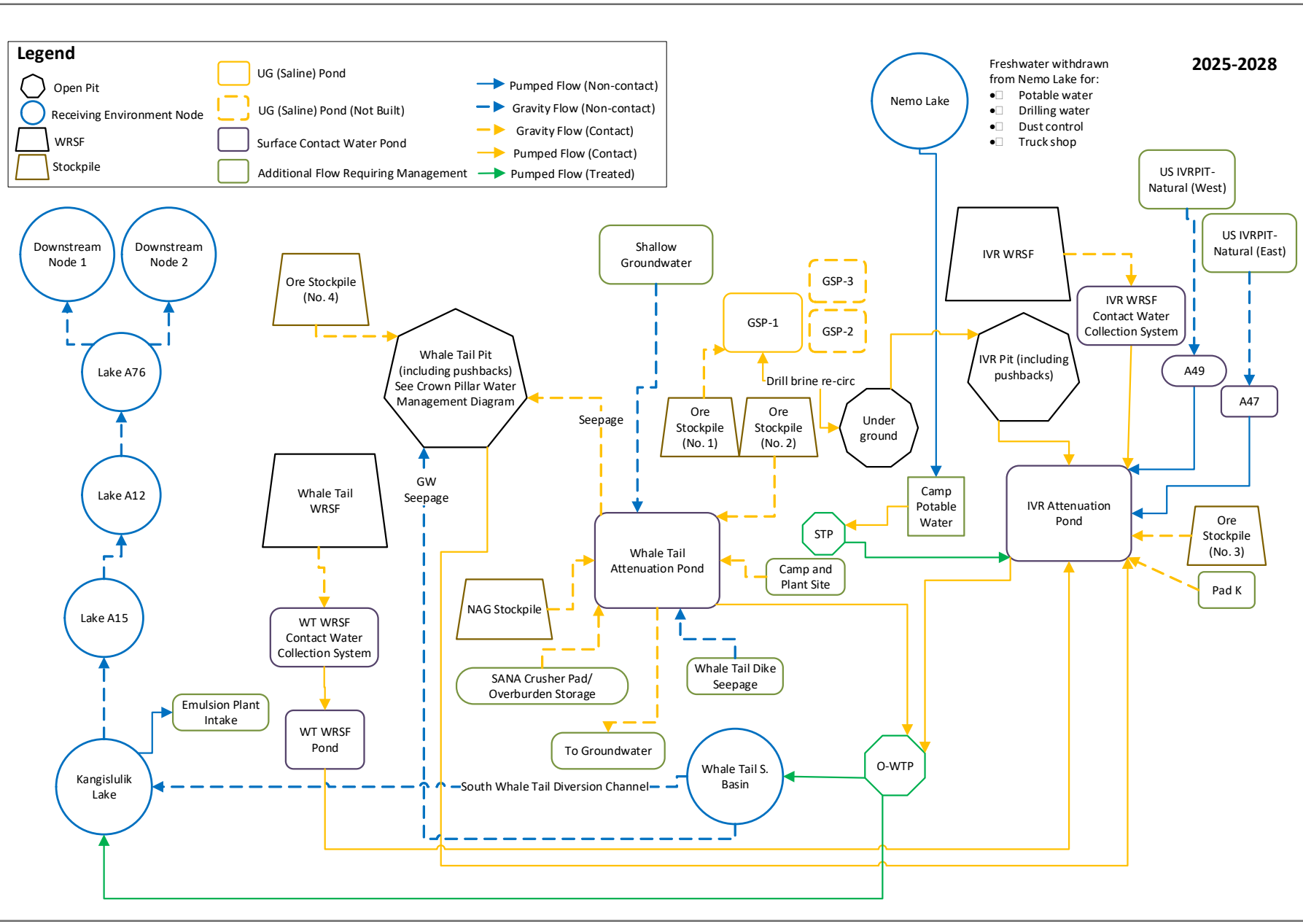
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

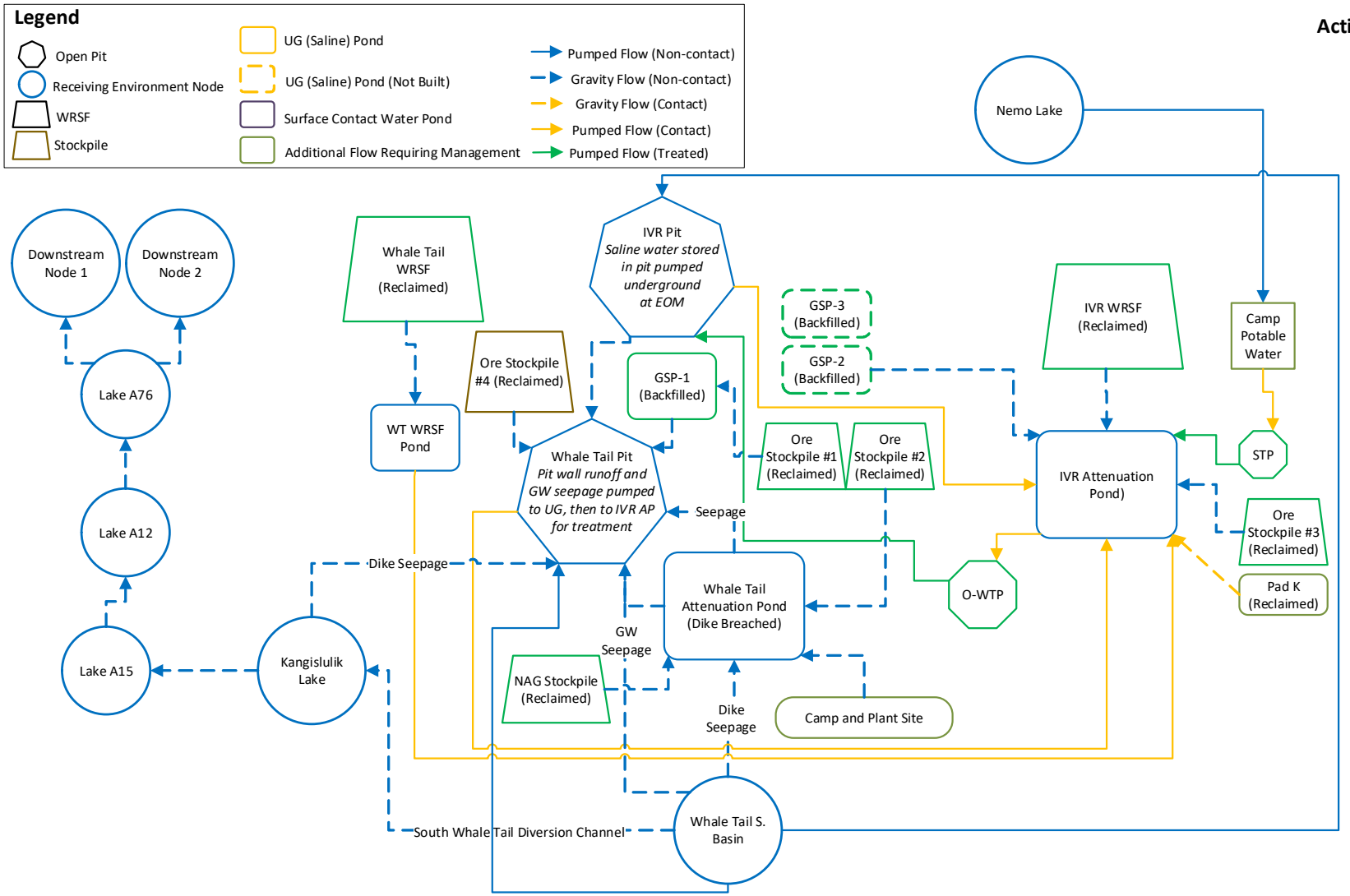
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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

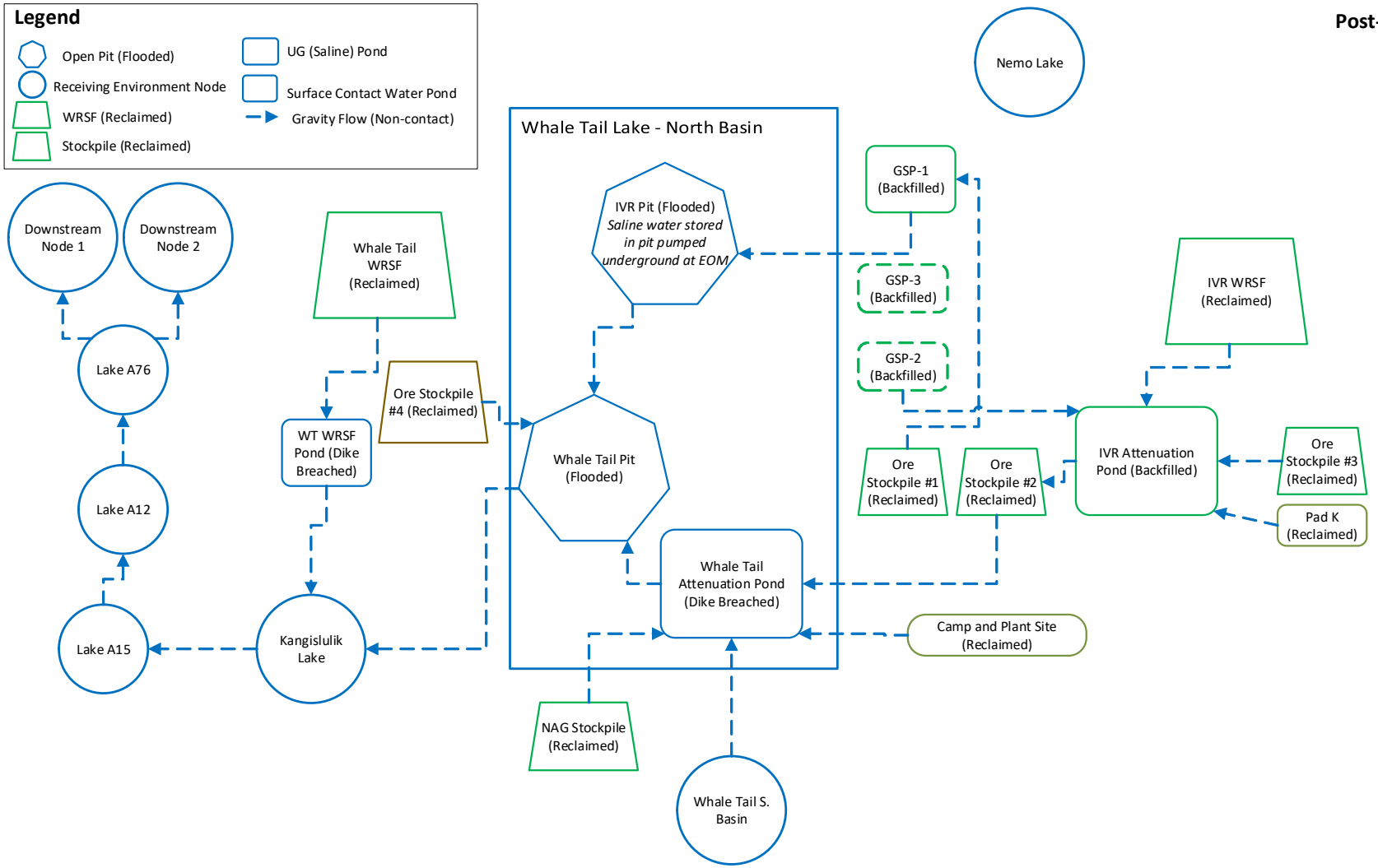
PROJECT: **Whale Tail ELOM: Water Balance and Water Quality Model – Technical Report**

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



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

AGNICO EAGLE

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

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.

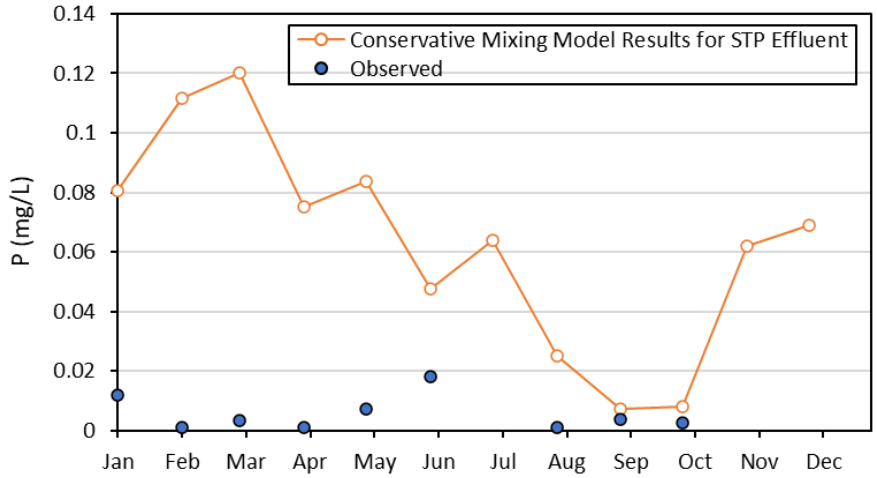


Figure 3-1: Phosphorus (P) concentrations observed in the Whale Tail Attenuation Pond (ST-WT-1; 2021 monthly average) compared to those estimated from conservative mixing of STP discharge (ST-WT-11).

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.

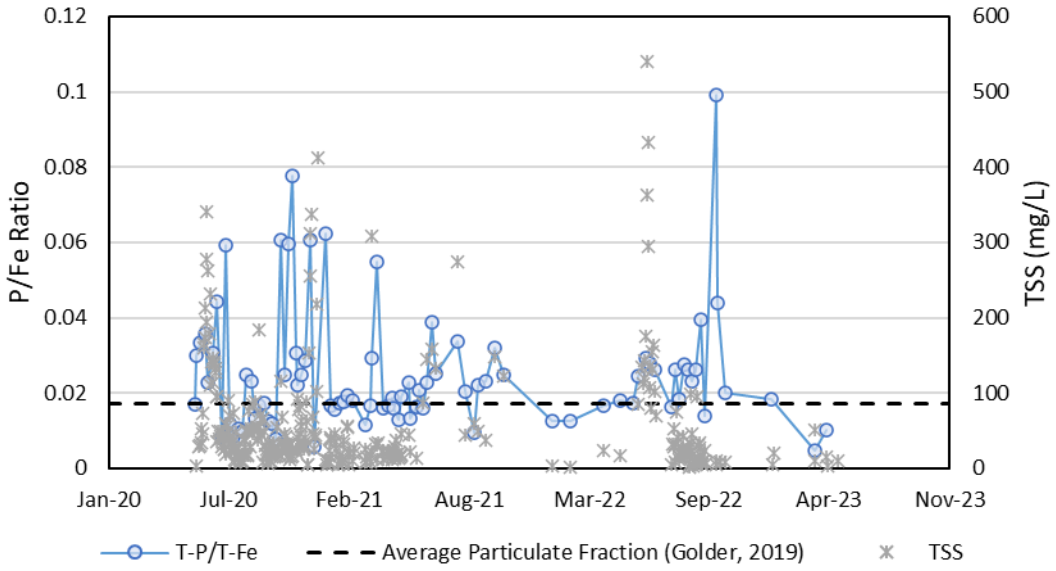


Figure 3-2: Phosphorus to iron (T–P/T–Fe) ratios observed in the Whale Tail Attenuation Pond compared to the average particulate fraction assumed for waste rock (Golder, 2019). Total suspended solids (TSS) plotted on secondary y–axis.

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.

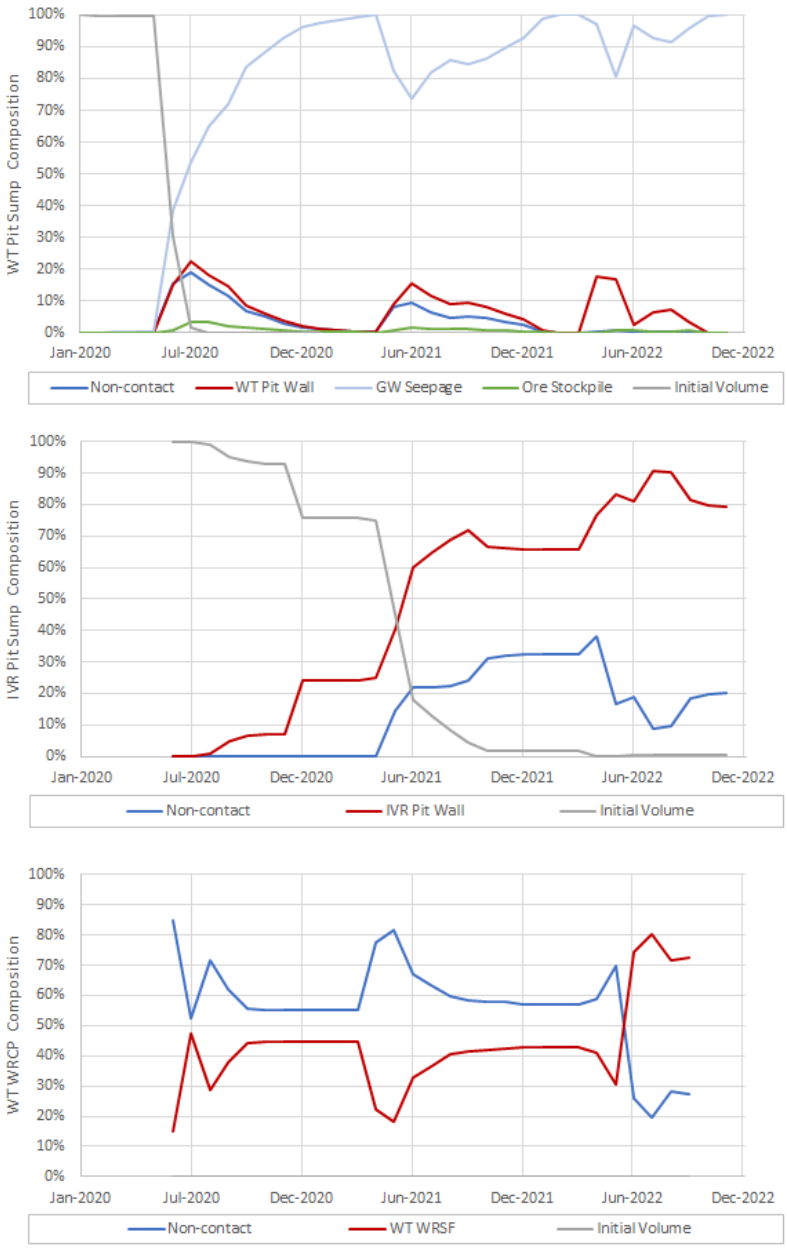


Figure 3-3: Percent of various water sources contributing to ponds and sumps in 2020, 2021 and 2022 predicted by the GoldSim tracer model for the WT Pit Sump (top), IVR Pit sump (middle) and WT WRSF Attenuation Pond (bottom).

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.*

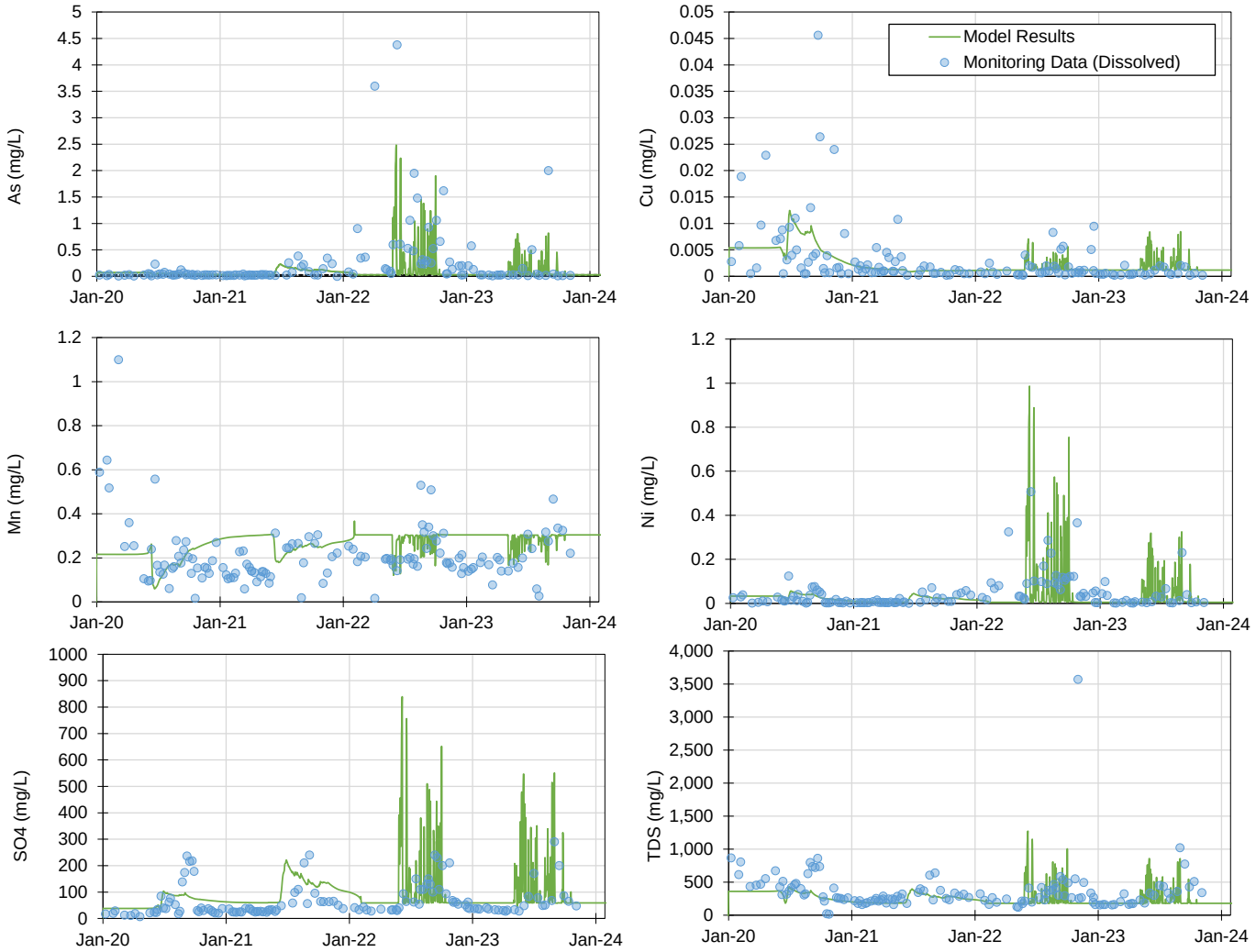


Figure 3-4: Whale Tail Pit water quality model results validated against ST-WT-4 monitoring data.

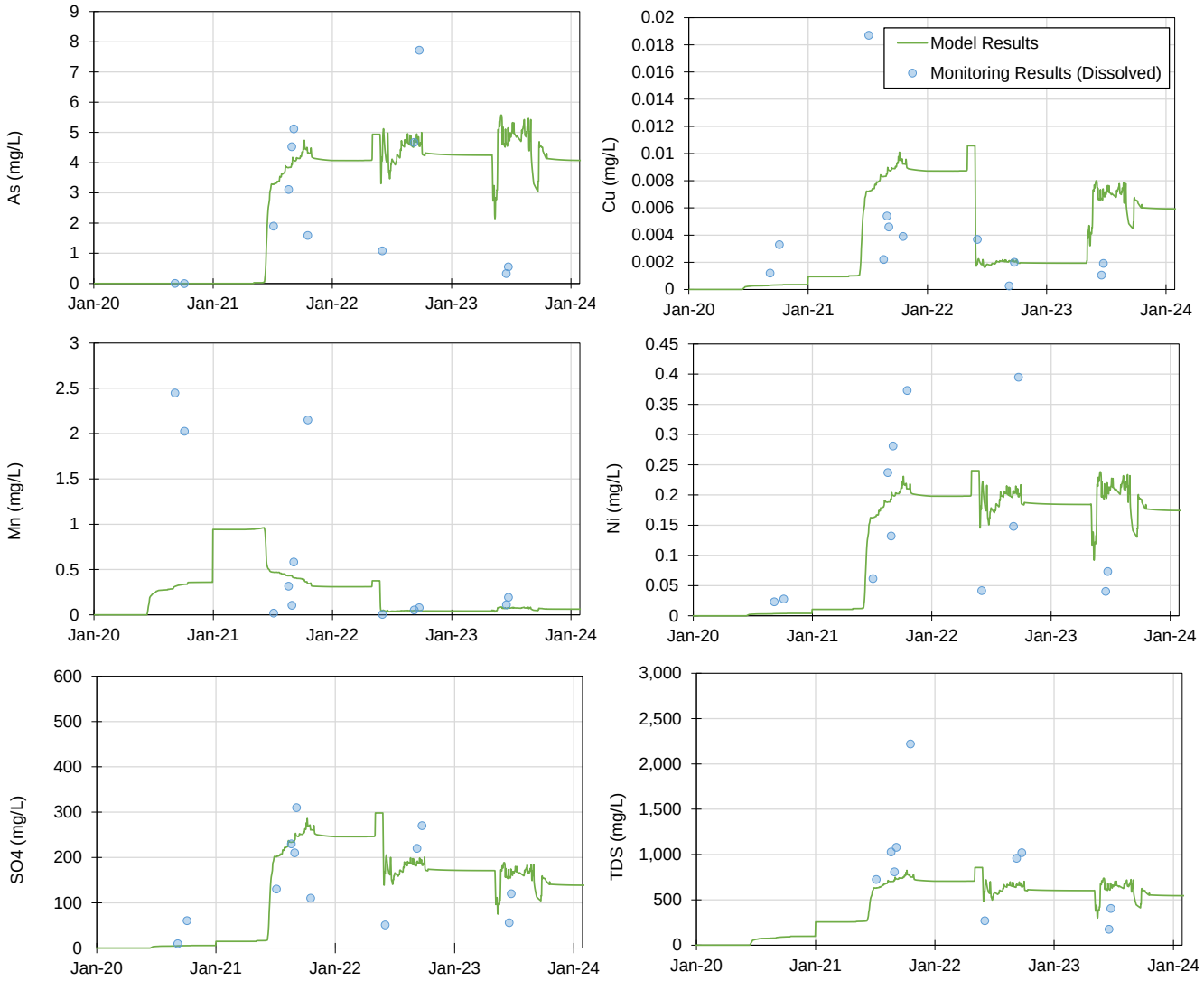


Figure 3-5: IVR Pit water quality model results validated against ST-WT-18 monitoring data.

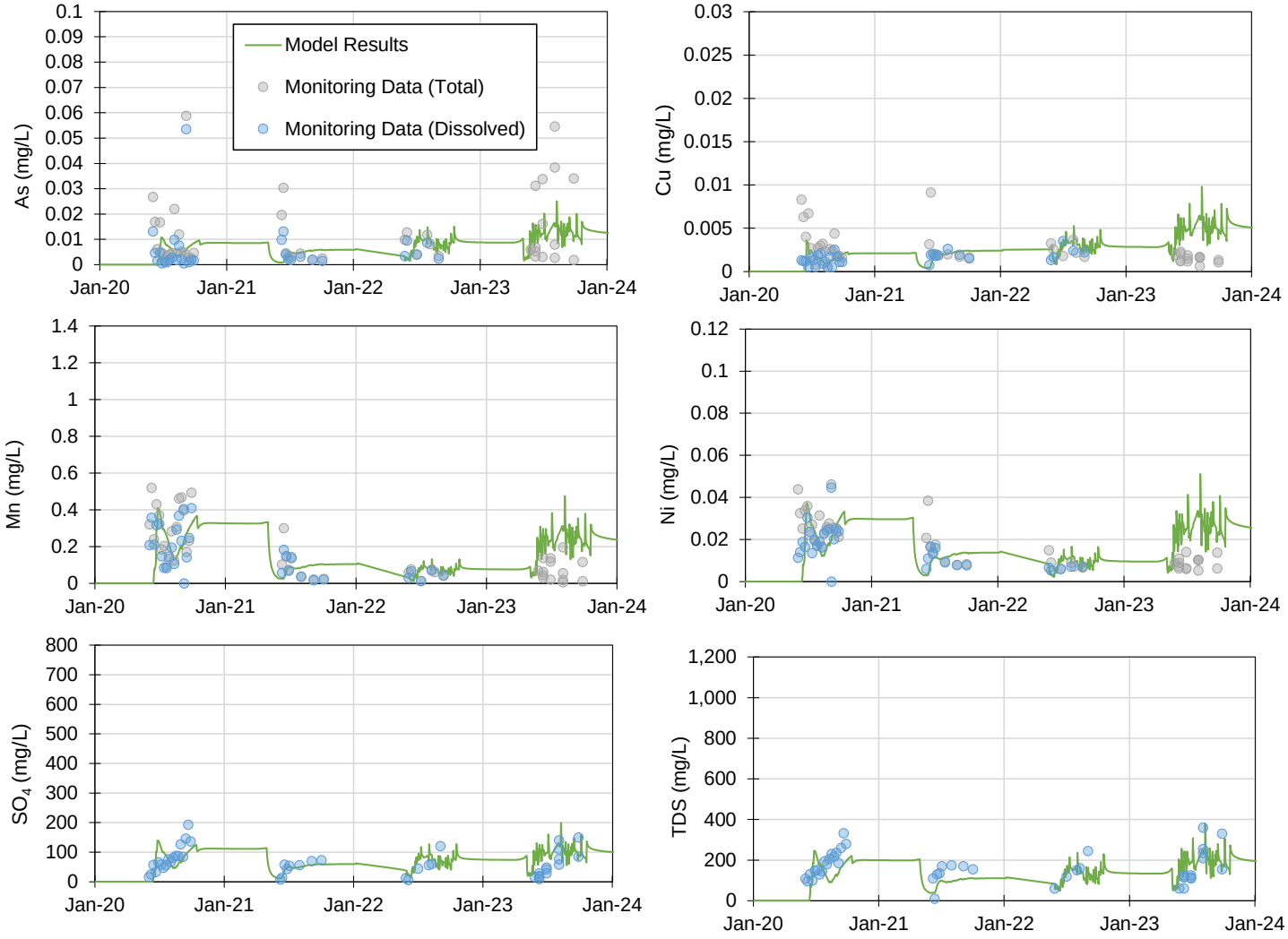


Figure 3-6: WT WRCP water quality model results validated against ST-WT-3 monitoring data.

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).

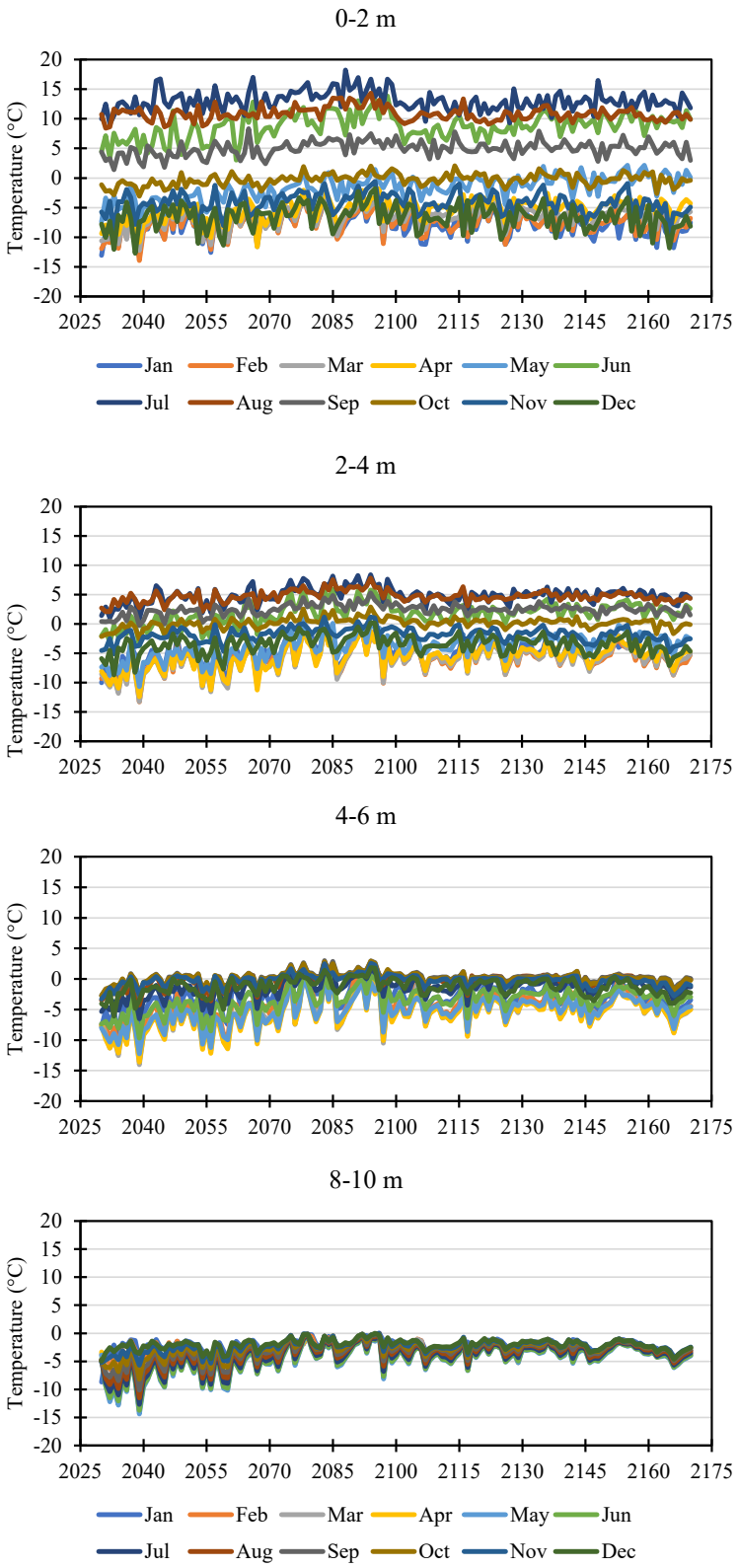


Figure 4-1: Monthly internal temperature projections for WRSFs under RCP6.0 climate scenario (OKC, 2022).

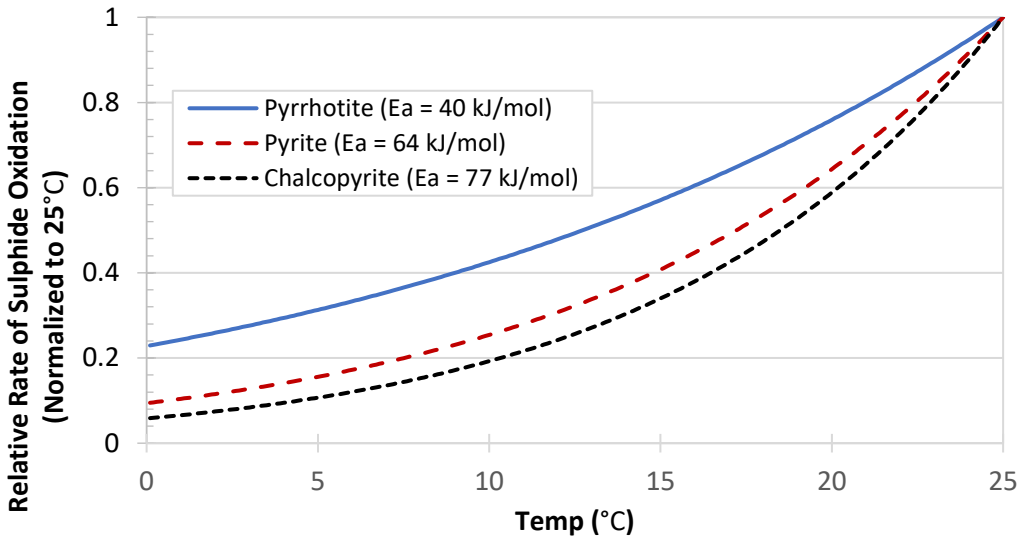


Figure 4-2: Arrhenius relationship for sulphide mineral weathering using activation energy (Ea) for pyrrhotite, pyrite and chalcopyrite normalized to 25ºC.

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 24th and 29th, 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

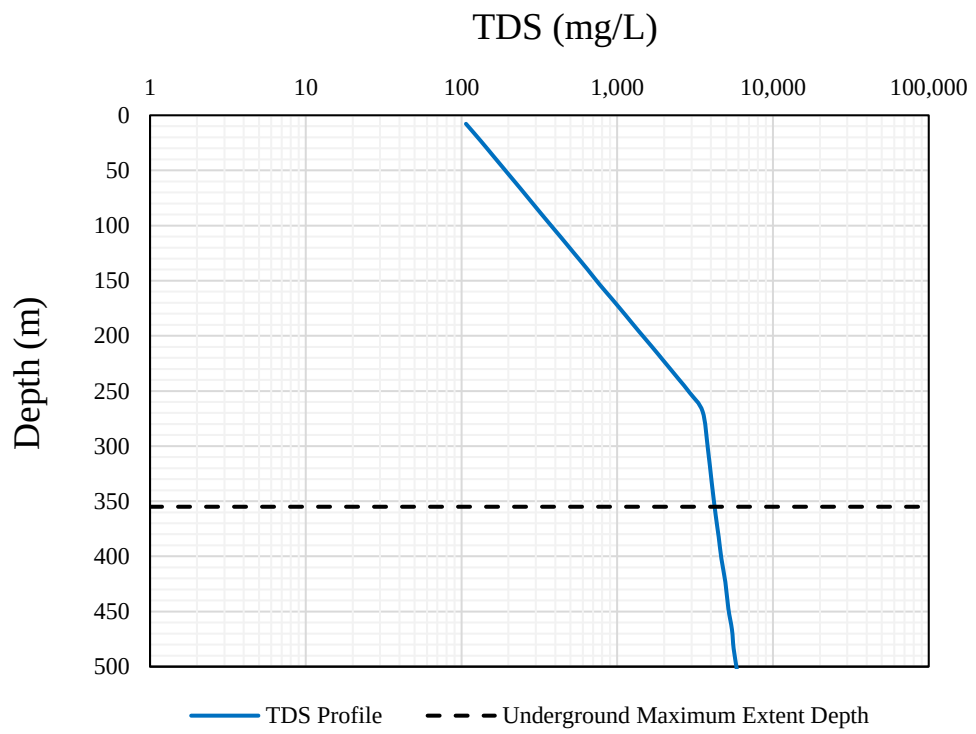


Figure 4-3: Whale Tail groundwater total dissolved solids (TDS) profile. Modified from Golder (2023)

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.

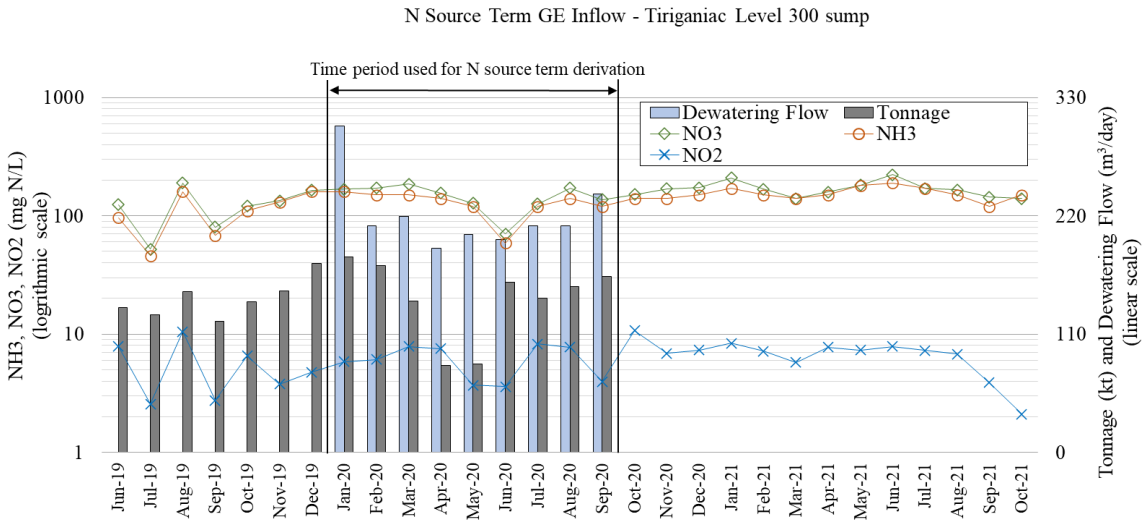


Figure 4-4: Meliadine underground mine water quality at the Tiriganiaq 300 Level Sump for ammonia (NH_3), nitrate (NO_3) and nitrite (NO_2) during the June 2019 to October 2021 monitoring period. Monthly quantities for dewatering flow and tonnage are also plotted (from available records).

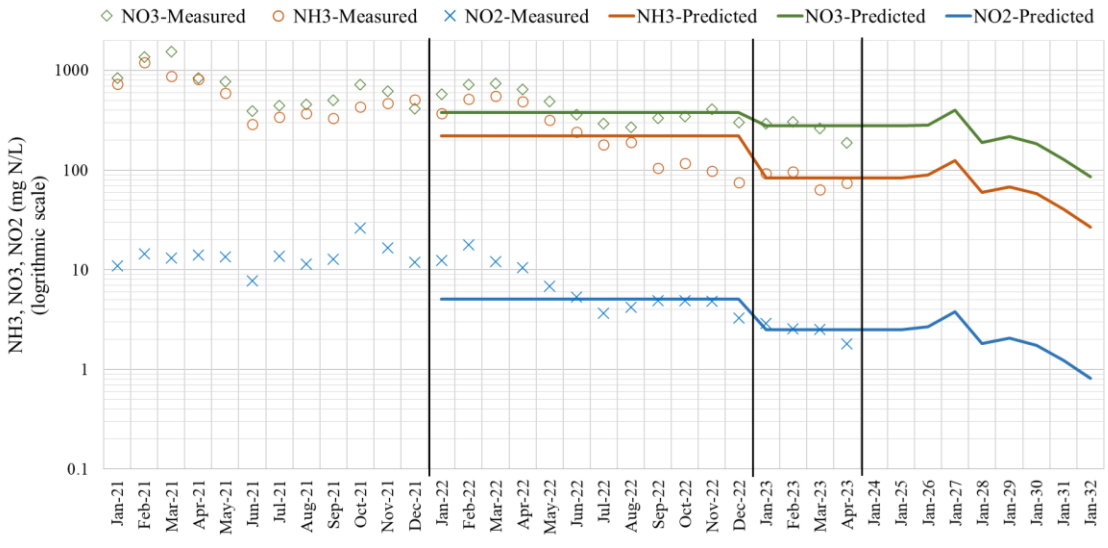


Figure 4-5: Whale Tail underground mine water monitoring results for ammonia (NH_3), nitrate (NO_3) and nitrite (NO_2) during the January 2022 through April 2023 period when there were minimal groundwater inflows. Water quality predictions are plotted from 2022 through 2032. The plot shows a monthly 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

AGNICO EAGLE

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	0.16	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

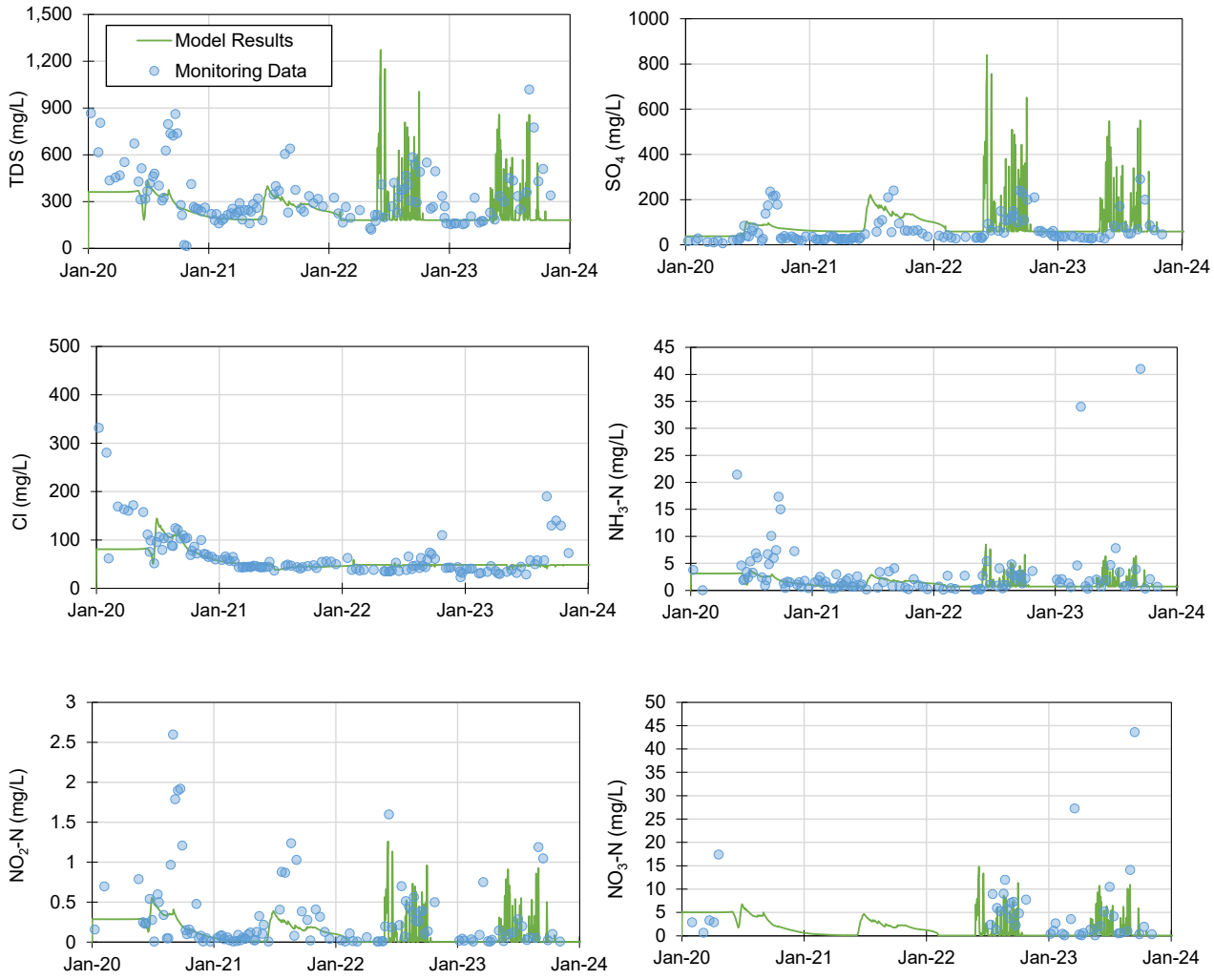


Figure B-1: Whale Tail Pit water quality model results validated against ST-WT-4 monitoring data – total dissolved solids, sulphate, chloride, ammonia-N, nitrite-N and nitrate-N.

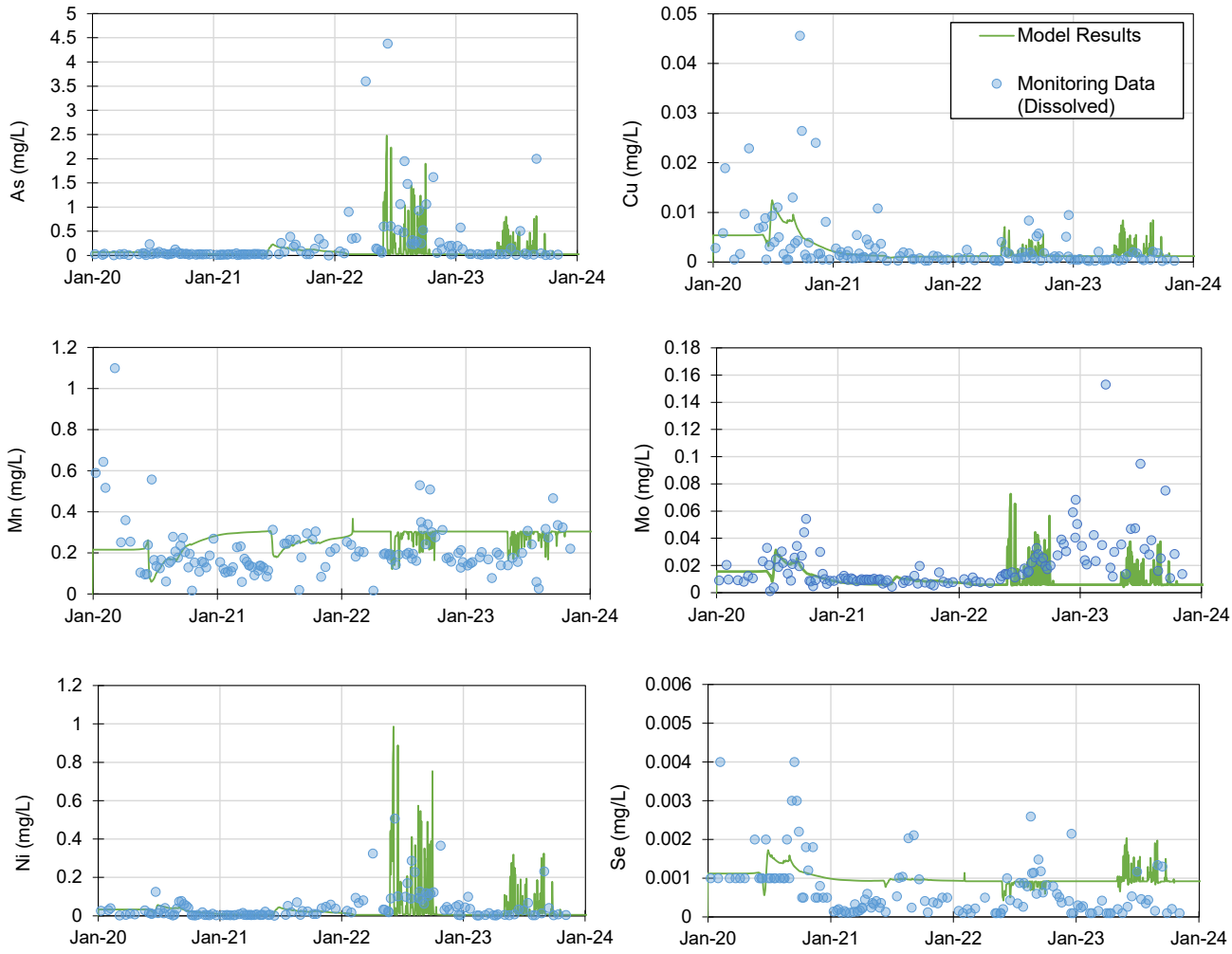


Figure B-2: Whale Tail Pit water quality model results validated against ST-WT-4 monitoring data – arsenic, copper, manganese, molybdenum, nickel and selenium.

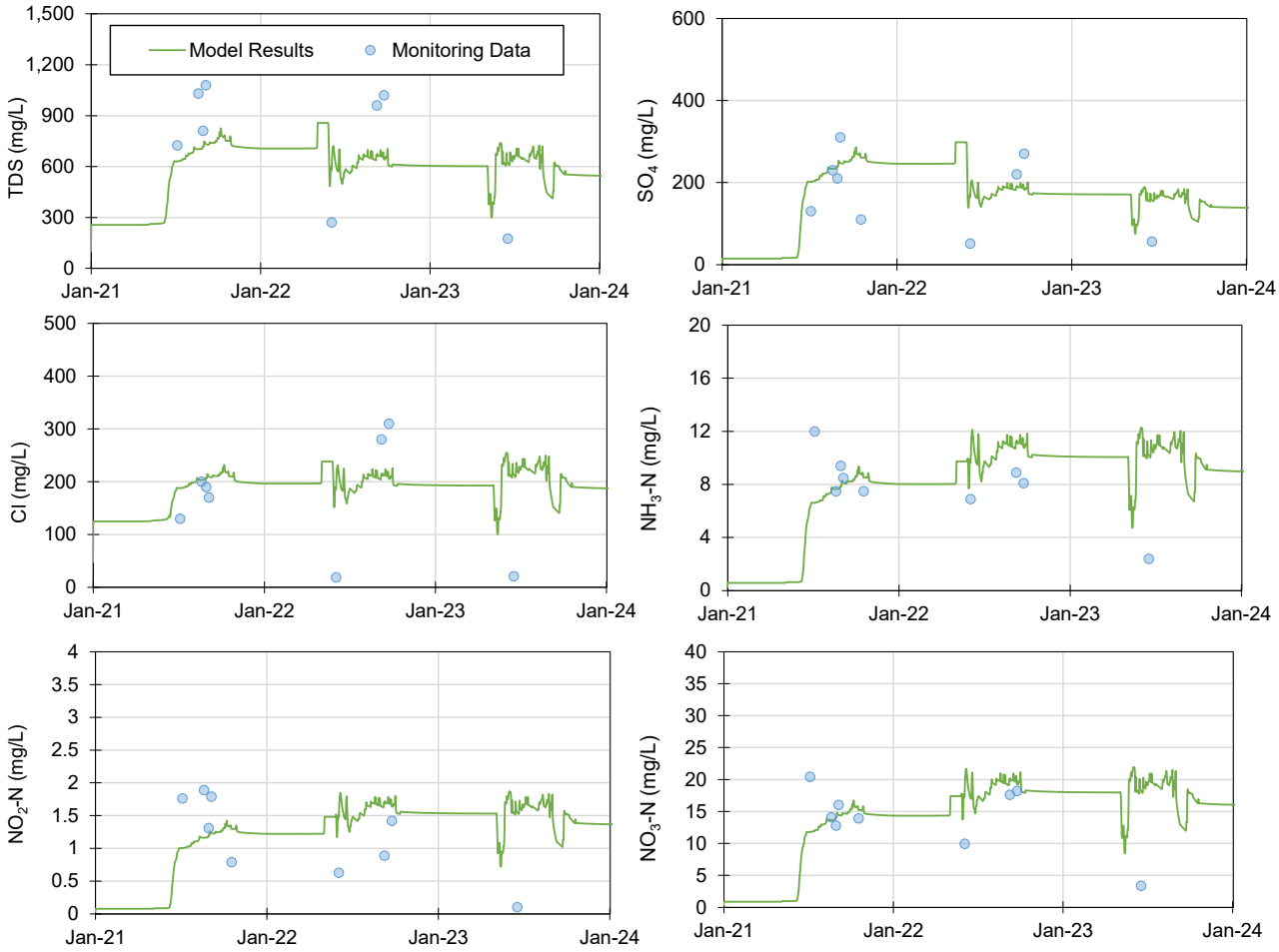


Figure B-3: IVR Pit water quality model results validated against ST-WT-18 monitoring data – total dissolved solids, sulphate, chloride, ammonia-N, nitrite-N and nitrate-N.

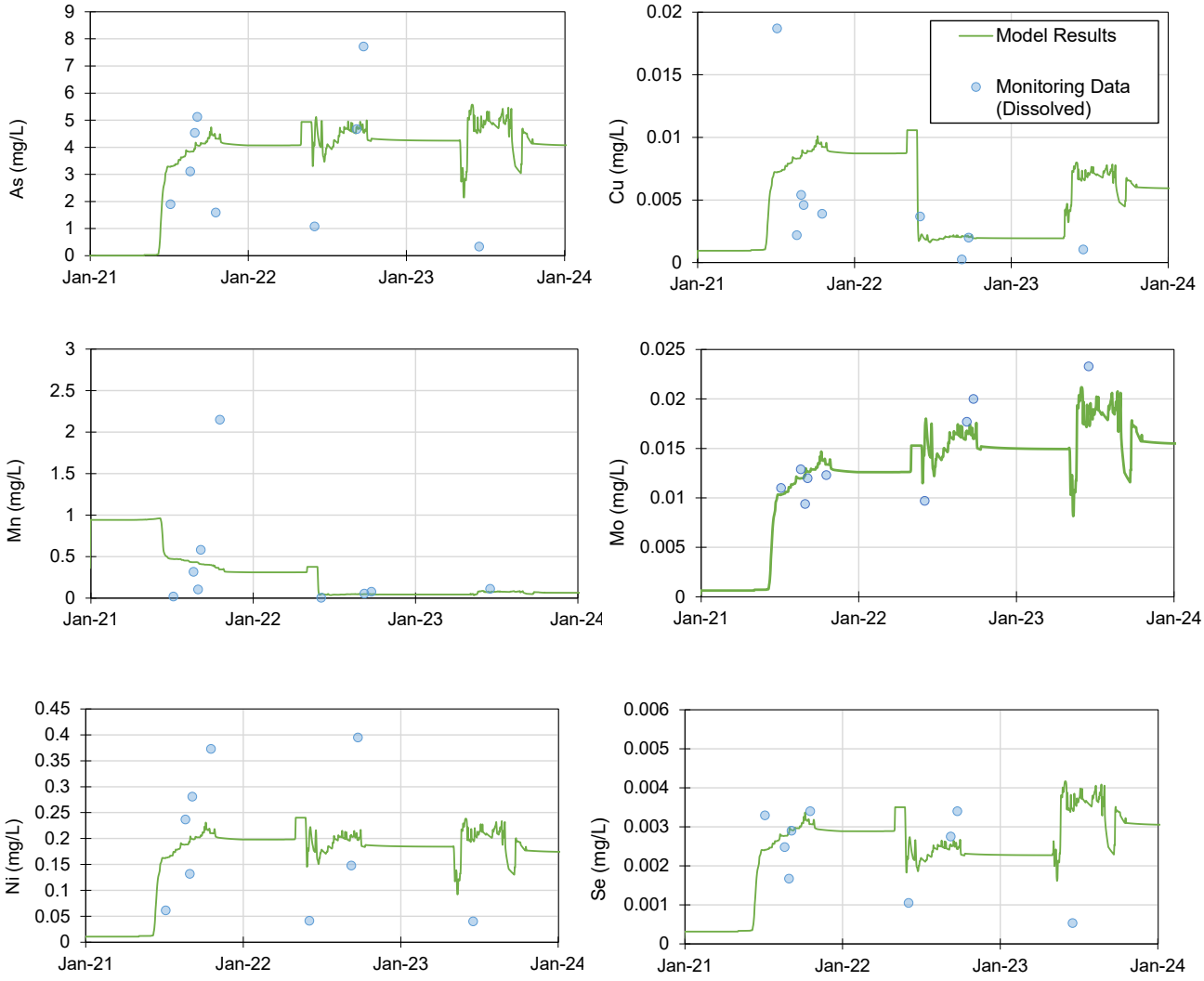


Figure B-4: IVR Pit water quality model results validated against ST-WT-18 monitoring data – arsenic, copper, manganese, molybdenum, nickel and selenium.

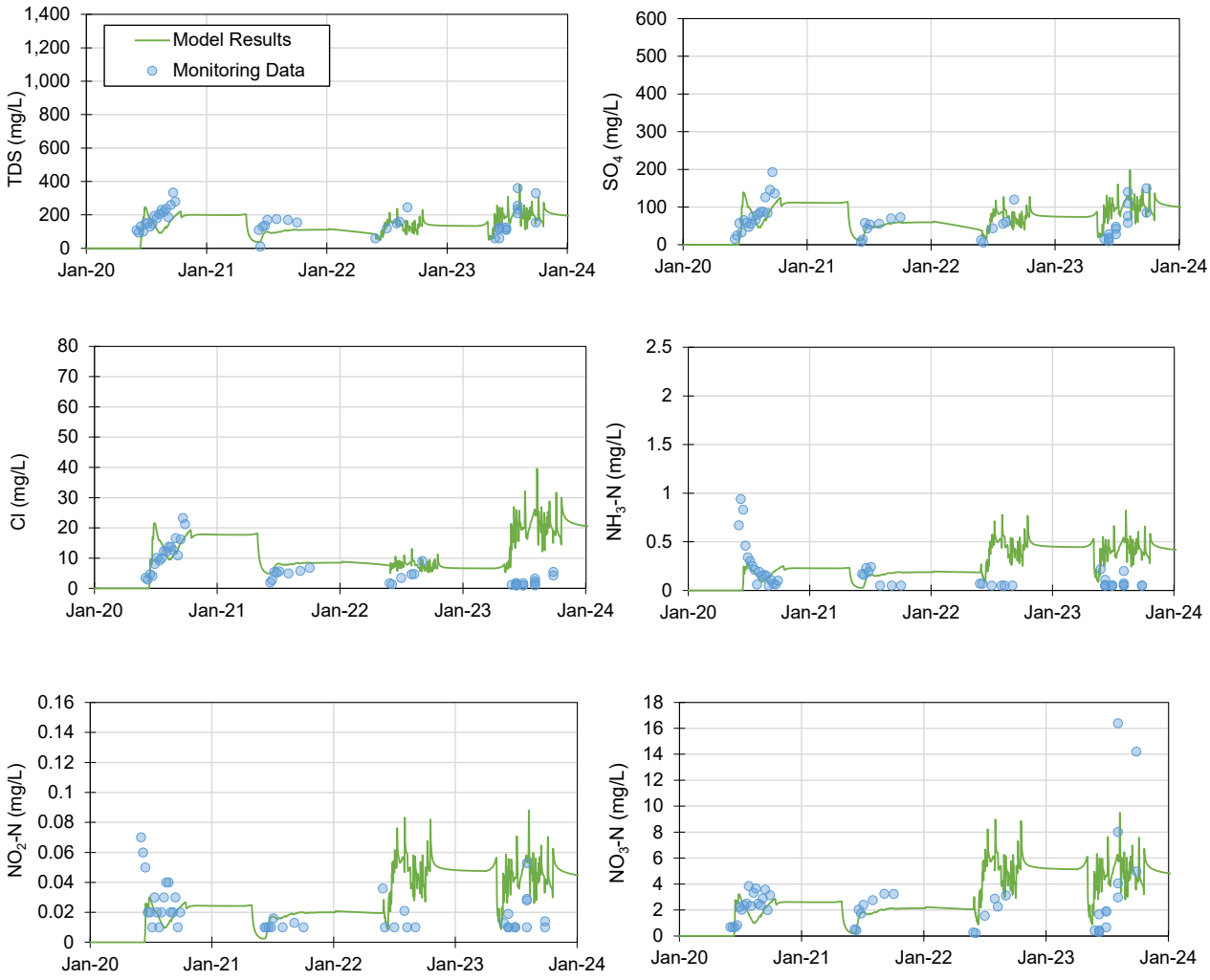


Figure B-5: Whale Tail WRSF water quality model results validated against ST-WT-3 monitoring data – total dissolved solids, sulphate, chloride, ammonia-N, nitrite-N and nitrate-N.

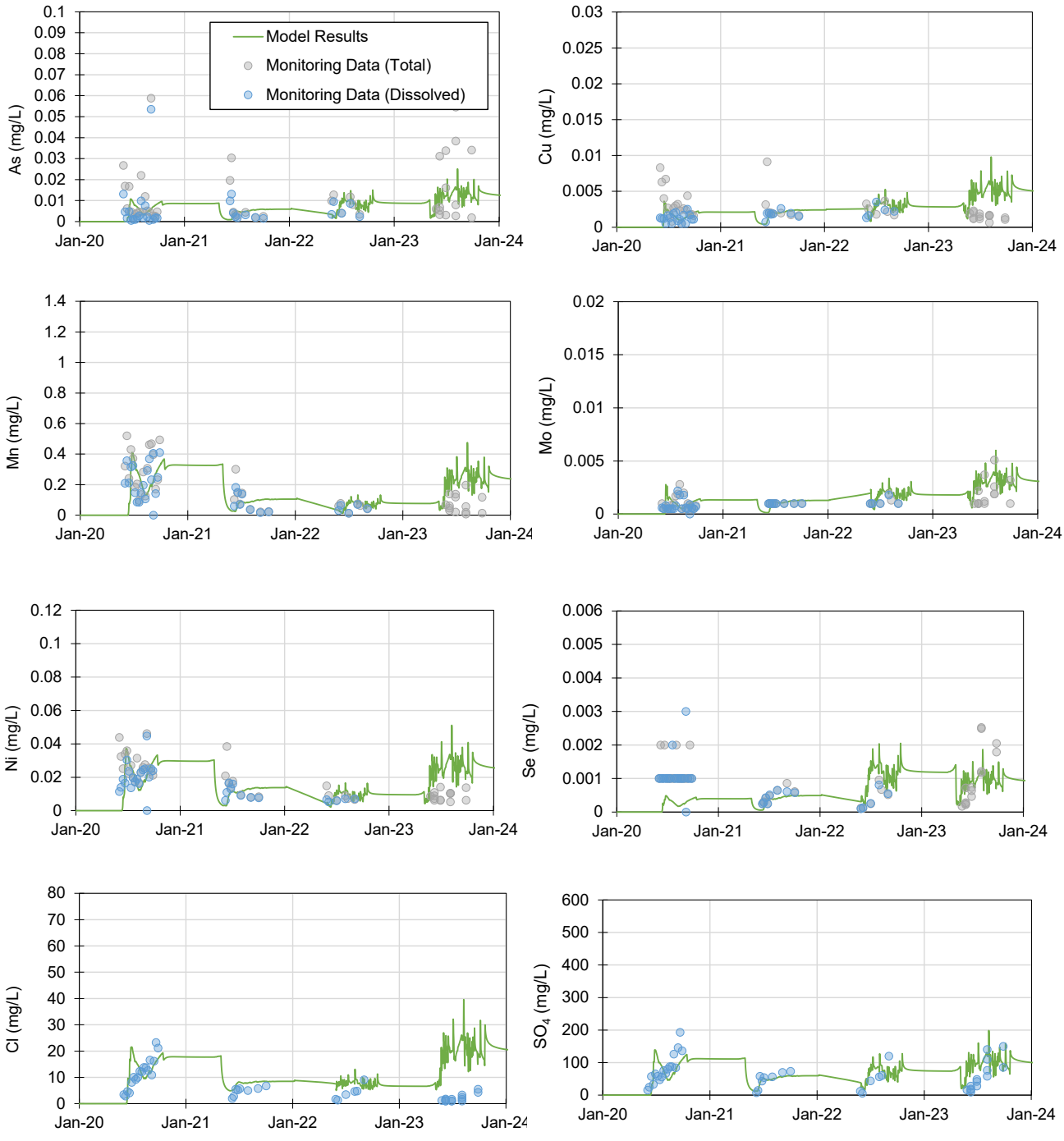


Figure B-6: Whale Tail WRSF water quality model results validated against ST-WT-3 monitoring data – arsenic, copper, manganese, molybdenum, nickel and selenium.

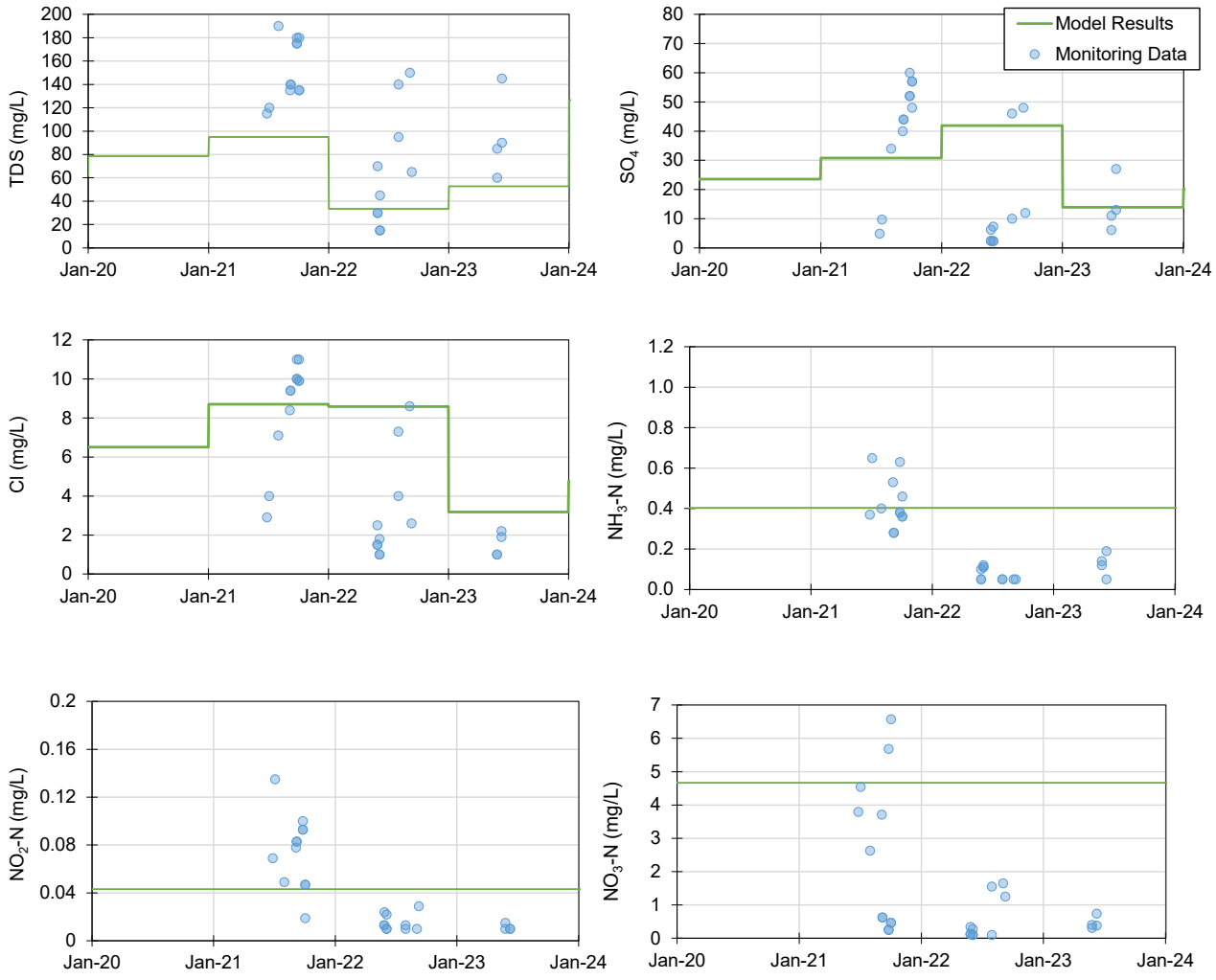


Figure B-7: IVR WRSF water quality model results validated against ST-WT-35 and ST-WT-36 monitoring data – total dissolved solids, sulphate, chloride, ammonia-N, nitrite-N and nitrate-N.

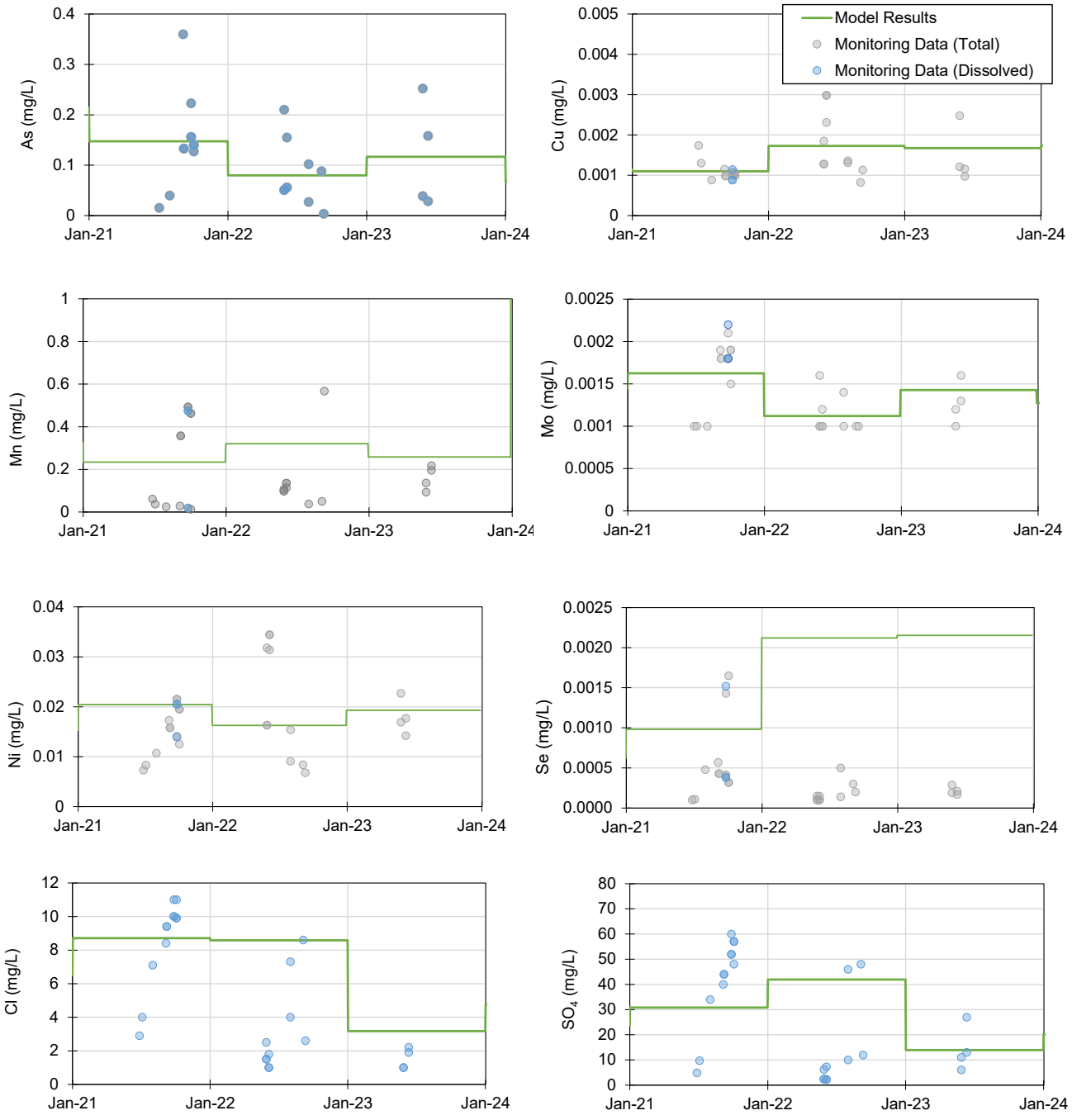


Figure B-8: IVR WRSF water quality model results validated against ST-WT-35 and ST-WT-36 monitoring data – arsenic, copper, manganese, molybdenum, nickel and selenium.

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	0.000014	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	0.0000738	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	0.0000249	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.

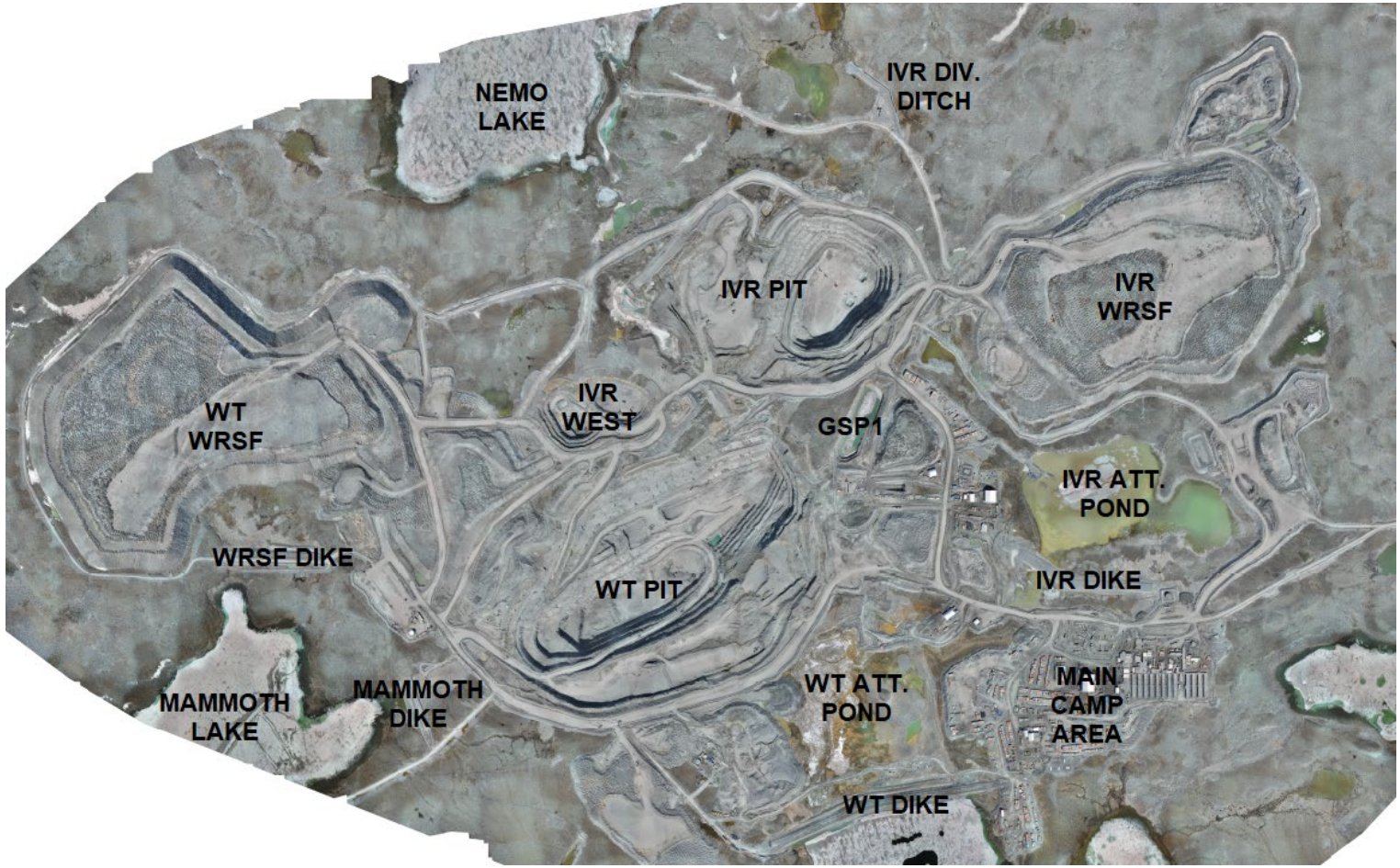
The main areas of concern are:

- 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

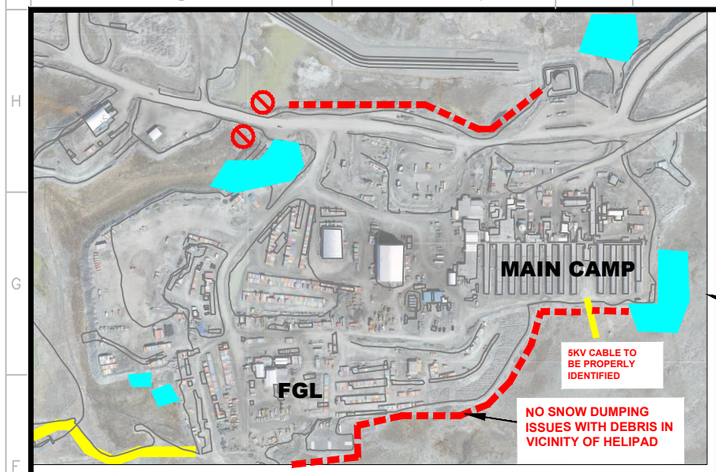
	Underground Gensets and Dyno)	2) Sample water in accordance with Water License to ensure compliance with limits prior to release.	Env. Department	Probably mid-June and September
		3) Provide notice to Inspector 10 days prior to pumping.	Env. Department	Probably mid-June and September
		4) Advise Energy 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

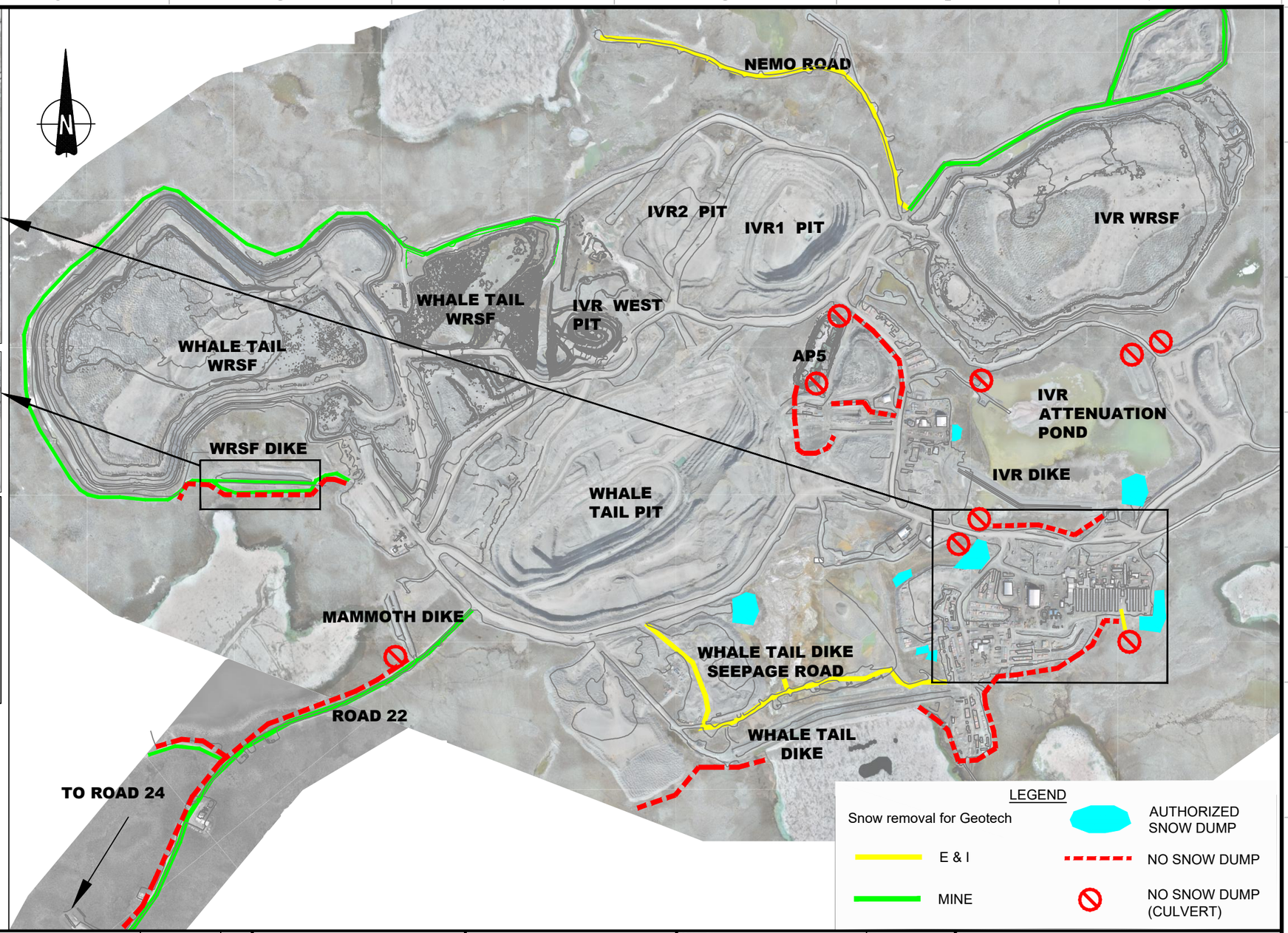
APPENDIX 2

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

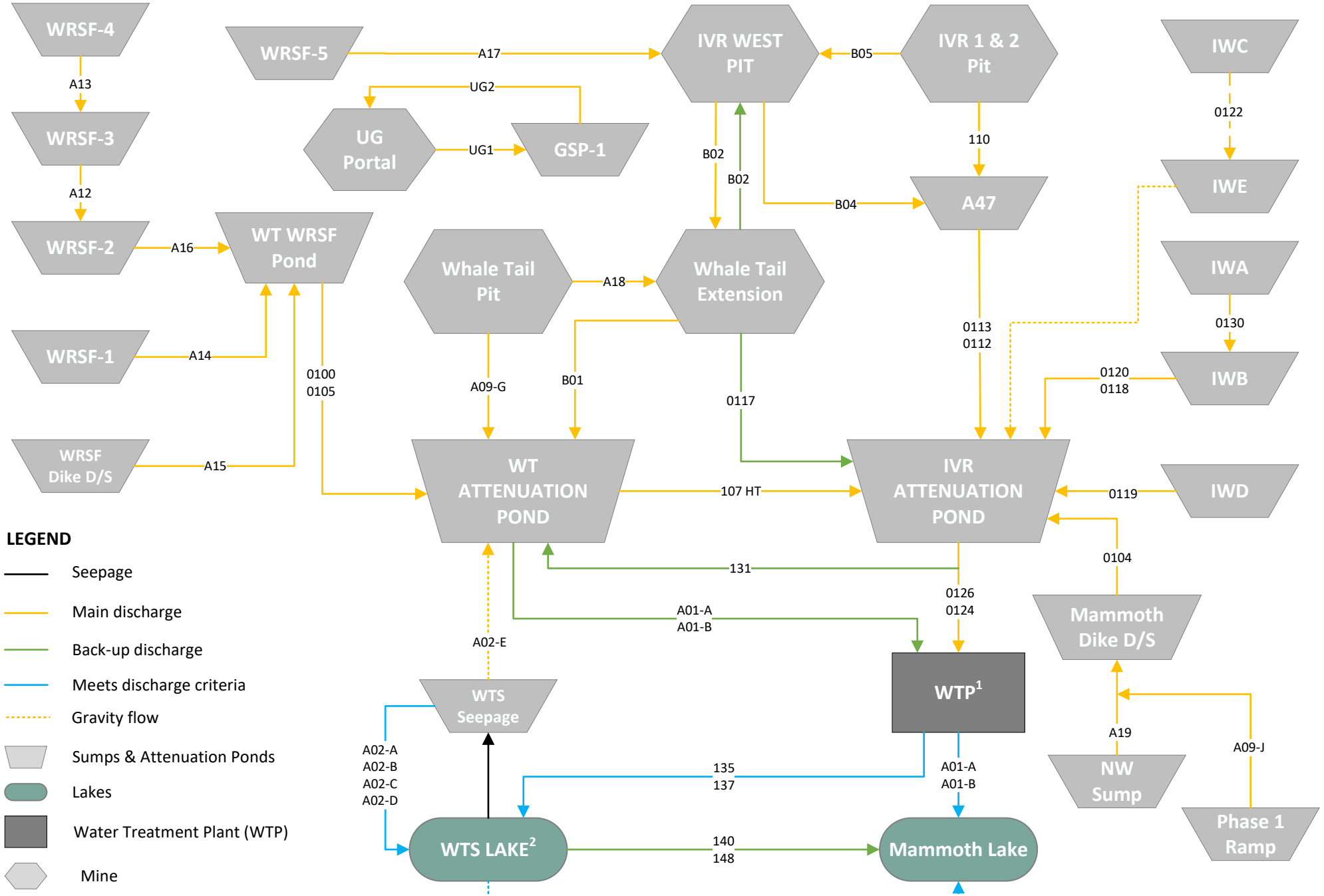
DRAWING NO.	REVISION	SHEET
		1 / 1

\\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