



GOOSE PROJECT

JUNE 2026 MONTHLY REPORT FOR WATER LICENCE 2AM-BRP1831

DATE

June 2026

REFERENCE

Version 1.0



GOOSE PROJECT

June 2026 MONTHLY REPORT

In Compliance with:

Water Licence 2AM-BRP1831 (Amendment No.1)

Prepared by:

B2 Gold Nunavut

Submitted to:

Nunavut Water Board (NWB)

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EXECUTIVE SUMMARY

B2Gold Nunavut (B2Gold) was required as part of Part I, Item 18 of its Water Licence 2AM-BRP1831 (Amendment No. 1) (the Licence) to submit a Monthly Monitoring Report to the Nunavut Water Board within 30 days following the month being reported.

B2Gold carried out monitoring programs in accordance with Part I, Item 4 of the requirements. Samples collected were sent to an accredited laboratory for analysis to comply with Part I, Item 17 requirement. Analyses were conducted following methods described in the most recent edition of *“Standard Methods for the Examination of Water and Wastewater”* or by other such methods approved by the Laboratory Analyst to comply with Part I, Item 16 requirement. Quality assurance and quality control procedures were used to screen all data to comply with Part B, Item 14 requirement.

The results of the monitoring program identified any non-compliance with regards to the regulated discharge parameters under Parts D, Items 21, 26 and Part F, Items 4, 6, 12, 21, and 26 of the Licence, except for BRP-43 (AKMLA Fuel Tank Farm). B2Gold notified the Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) Inspector as required by Part F, Item 2 of Water License 2AM-BRP1831 Amendment No.1 and obtained approval to use this water on engineered pads and site roadways for dust suppression purposes. B2Gold commits to continuing the monitoring as required by Part I, Item 4. A Monthly Report will be submitted to the Board within thirty (30) days following the month being reported.

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AULAPKAIYININ NAITTUQ TITIRAQHIMAYUQ

B2Gold Nunavut (B2Gold) piqaqtukhaq ilagiyainik Ilangani I, Naunaitkut 18 talvani Imarnik Laisikharnik 2AMBRP1831 (Nuutaanguqtiqhimayut Nampa 1) (tamna Laisikhaq) tuniyukhaq Tatqikhiut Tamaat Munagidjutikharnik Ilitugidjutikharnik talvunga Nunavunmi Imarnik Katimayiinun 30nik ublurnik talvuuna tatqikhiutmi ilitugipkaktavakhimayunik.

B2Gold havaktait munaridjutikkut pinahuarutit malikhugit Ilangani I, Item 4 pitquyauhimayuni. Uuktuutit katitiqtauyut tuyuqtauyut ilitariyauhimayumun naunaiyaivingmun naunaiyaqtauyaangini maliklugit Ilangani I, Item 17 piyakhat. Ihivgiugutit havaktauyut malikhugit atugahat naunaiyaqhimayut nutaatqiami titiraqhimayuni "Atugahat Atugahat Ihivgiugutinun Imaqmik uvalu Kuvigaqhimayumik imaqmik" uvaluuniin aalat atugahat angiqtauhimayut hapkunanga Naunaiyaivikmi Qauyihaiyimin malikhugit Ilangani I, Hunat 16 piyakhat. Qanurittaakhaanik uqariyaqtamiknik unalu qanurittaakhaanik munariniq qanuriliurutingit atuqtauyut naunaiyariami tamaita nampangit maligiami uumunnga Ilagiyanga B, Hunavaluk 14 ihariagiyangit.

Tamna naunairutikhangit munagidjutikharnik havaaqhangit ilitagihimayut kituliqaak aulangitun talvuuna malikhautikharnik kuvinikkut kiklivikhangit talvani Ilangani Dmi, Hunavaluit 21, 26 uvanilu Ilangani F, Hunavaluit 4, 6, 12, 21, unalu 26 talvani Laisikharnik, kihiani BRP-43 (AKMLA Urhuqyuaqarvik). B2Gold ilituripkaqtaat ukua Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) Ihivgiuqti piyakhaq haffumanga Ilangani F, Item 2 haffumani Imakkut Laisia 2AM-BRP1831 Ihuaqhaqtauyut No.1 uvalu pihimayut angigutinik atuqlugu una imaq ihuaqhaqhimayunun tungaviinun uvalu nayugaini apqutit pujuulaitkutikhanik. B2Gold havakhimaarniaqtun aulahimaarniaqtun munagidjutikharnik atuqtakharnik talvani Ilangani I, Naunaitkut 4mi. Tatqirhiutimi Taiguagakhaq tuniyauniaqtuq Katimayiinginnut taimaa (30) ublunik talvannga tatqirhiutinganit taiguagakhamit.

RÉSUMÉ EXÉCUTIF

B2Gold Nunavut (B2Gold) a l'obligation, conformément à l'Article 18 de la Partie I de sa Licence d'eau 2AM BRP1831 (Amendement n° 1) (la Licence), de soumettre un rapport de suivi mensuel au Conseil de l'eau du Nunavut dans les 30 jours suivant le mois faisant l'objet du rapport.

B2Gold a mis en place un programme de suivi conformément à l'Article 4 de la Partie I des exigences. Les échantillons recueillis ont été envoyés à un laboratoire accrédité pour analyse afin de respecter l'exigence de l'Article 17 de la Partie I de sa Licence d'eau. Les analyses ont été effectuées selon les méthodes décrites dans la dernière édition du « Standard Methods for the Examination of Water and Wastewater » ou par d'autres méthodes approuvées par l'analyste du laboratoire en question pour se conformer à l'exigence, de l'Article 16 de la Partie I. Des procédures d'assurance et de contrôle de la qualité ont été utilisées pour vérifier toutes les données afin de répondre à l'exigence de l'Article 14 de la Partie B.

Les résultats du programme de surveillance ont permis d'identifier aucune non-conformité par rapport aux paramètres de rejet réglementés aux Articles 21 et 26 de la Partie D, ainsi que des articles 4, 6, 12, 21 et 26 de la Partie F de sa Licence d'eau sauf ceux de BRP-43 (réservoir de carburant de AKMLA). B2Gold a averti l'inspecteur des Relations Couronne-Autochtones et des Affaires du Nord Canada (RCAANC) comme exigé par la Partie F, Article 2 de la Licence d'eau 2AM-BRP1831 Amendement n°1 et a obtenu l'autorisation d'utiliser cette eau sur les plateformes aménagées et les routes du site pour la suppression de la poussière. B2Gold s'engage à poursuivre la surveillance telle que requise par l'Article 4 de la Partie I. Un rapport mensuel sera soumis au Conseil dans les trente (30) jours suivant le mois faisant l'objet du rapport.

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ACRONYMS AND ABBREVIATIONS

B2Gold Nunavut	B2Gold Back River Corporation
the Licence	Water Licence 2AM-BRP1831 (Amendment No.1)
AKMLA	Allen Kopolak Marine Laydown Area
The Goose Mine	Refers to the mining operation being developed within the Goose Claims Group, and includes the open pits, the underground mine, and the on-site infrastructure such as the WRSAs, tailings storage facilities, power infrastructure, and process plant
The Goose Project	Encompasses the Goose Claims Group, Goose Mine, the WIR and the AKMLA
STP	Sewage Treatment Plant
Tailings Facility	An open pit that is utilized to store tailings, waste rock, and/or acts as a water management facility (i.e., Llama, Umwelt, Echo, Goose Main)
Tailings Storage Facility	The purpose-built above ground facility designed to store tailings, waste rock and/or act as a water management facility as generally described in the Application
WIR	Winter Ice Road
WRSA	Waste Rock Storage Area

1. INTRODUCTION

The Back River Project (the Project) is a gold project owned by the B2Gold Back River Corporation (B2Gold Nunavut) within the West Kitikmeot region of southwestern Nunavut. It is situated approximately 400 kilometres (km) southwest of Cambridge Bay, 95 km southeast of the southern end of Bathurst Inlet (Kingaok), and 520 km Northeast of Yellowknife, Northwest Territories (Figure 1). The Project is located predominantly within the Queen Maud Gulf Watershed (Nunavut Water Regulations, Schedule 4).

The Project is comprised of two main areas, Goose Property, and the Allen Kopolak Marine Laydown Area or AKMLA, with a seasonal 160 km long interconnecting winter ice road (WIR). The AKMLA is situated along the western shore of southern Bathurst Inlet.

As per Part I, Item 18 of the Water License 2AM-BRP1831 (Amendment No.1), B2Gold is required to submit to the Board, within thirty (30) following the month being reported, a Monthly Monitoring Report. Specific elements to be incorporated into the Report include:

- a. All data and information required by this Part and generated by the Monitoring Program in the Tables of Schedule I;
- b. An assessment of data to identify areas of non-compliance with regulated Discharge parameters referred to Part D and Part F; and
- c. Reports should document conditions during spring freshet, major rain events, and periods of sustained precipitation including flow measurements, photographs, and notes.

All analyses were performed in an accredited laboratory according to ISO/IEC Standard 17025 and the accreditation is current and in good standing as required by Part I, Item 17. Additionally, all analyses were conducted as described in the most recent edition of “*Standard Methods for the Examination of Water and Wastewater*” or by other such methods approved by an Analyst as required by Part I, Item 16. This report to the Nunavut Water Board is to satisfy these requirements.

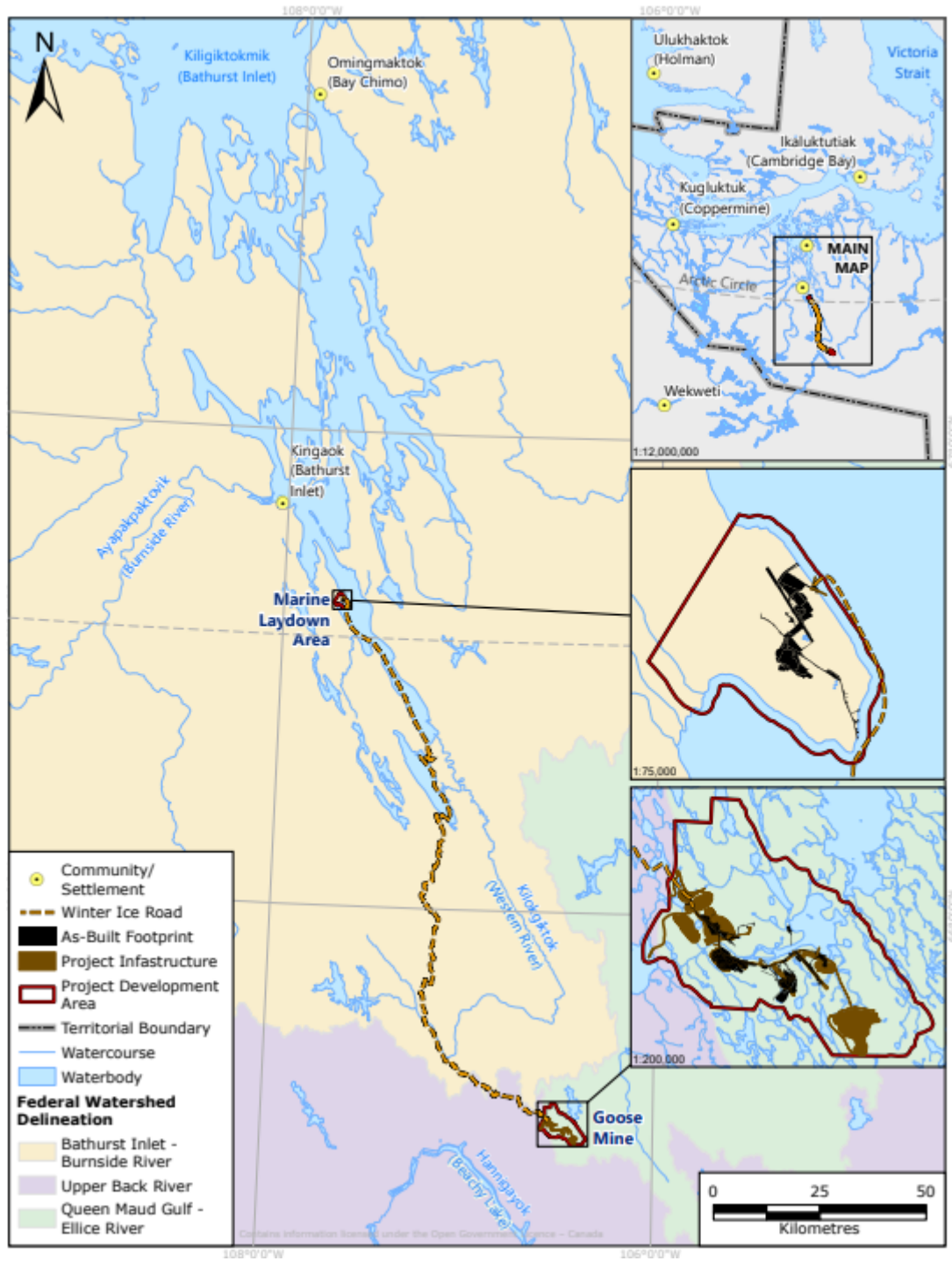


Figure 1 Goose Project Overview

2. REGULATORY REQUIREMENTS AND STATUS

2.1 PART I, Item 5

The Licensee shall, at least sixty (60) days prior to a change in Project Phase (Construction, Operations Stages), submit to the Board a written notification of the intent to change Project phase as per Part B, Item 9. Notifications may be provided separately or in accordance with the monthly monitoring report as per Part 1, Item 18.

Compliance Status:

No change in Project phase will occur over the next 60 days.

2.2 PART I, Item 8

The Licensee shall measure and record the following on a Monthly basis in cubic metres or as otherwise stated:

- a. The volume of fresh Water obtained from Big Lake;
- b. The volume of fresh Water obtained from Goose Lake;
- c. The volume of fresh Water obtained from AKMLA Pond S1, Pond S2, Lake 3, and Lake 4;
- d. The volume of fresh Water obtained from Llama Lake, Umwelt Lake, and other Water bodies approved by the Board for dewatering;
- e. The volume of fresh Water obtained from each Water source for the Interconnection Winter Ice Road and Winter Ice Road Service/Emergency Camps;
- f. The volume of Reclaim Water obtained from the Primary Water Pond, Tailings Storage Facility and/or Tailings Facilities for process Water at the process plant or alternative treatment system;
- g. The estimated volume of Greywater and Sewage released to the environment and/or to the Tailings Storage Facility and Tailings Facilities;
- h. The volume of sludge removed from the STP and the location and method of disposal;
- i. The volume of Effluent discharged from Landfarms, Fuel Tank Farms, and Fuel Storage Facilities;
- j. The estimated volume of Contact Water, WRSA Effluent, Ore Stockpile Effluent, or other Effluent/Water streams pumped into the Primary Water Pond, Tailings Storage Facility, Tailings Facilities, and/or transferred between ponds or facilities; and
- k. The volume of Effluent discharged at the Final Discharge Point.

Compliance Status:

The following is to comply with Part I, Item 8 (a, b, c, d, e, f, g, h, i, j, and k) requirements. The volumes of water obtained from Big Lake, Goose Lake, AKMLA Pond S1, AKMLA Pond S2, AKMLA Lake 3, AKMLA Lake 4, Llama Lake, Umwelt lake, and other water bodies approved for dewatering are provided in Table 2-1.

Table 2-1 Volumes of Water Obtained from Approved Sources

Source	Volume Used (m ³)
Big Lake	0
Goose Lake	31233
AKMLA Pond S1	0
AKMLA Pond S2	0
AKMLA Lake 3	0
AKMLA Lake 4	0
Llama Lake	0
Umwelt Lake	0
Other water bodies approved for dewatering	0

No water was obtained for the Winter Ice Road (WIR) or service/emergency camps this month.

Approximately 58,450 m³ of reclaim water was obtained from the Echo Tailings Facility for process water at the process plant this month.

Sewage released from the Goose Sewage Treatment Plant (STP) to the receiving environment is ~ 4755 m³. The estimated volumes of greywater released this month are present in Table 2-2.

Table 2-2 Estimated Volumes of Greywater Released for June 2026

Locations	Volume (m ³)	Destination
AKMLA	182	Tundra
AKMLA Forward Camp	0	Tundra
Goose Forward Camp	0	Tundra

Note:

Greywater estimates for Table 2-2 are approximate due to the lack of, or insufficient flowmeters. Flow meters have been purchased and will be installed once they have arrived at site. These values are calculated based on 80% of the total freshwater intake.

The volume of compressed and dewatered sludge removed from the Goose STP and placed in the Umwelt Waste Rock Storage Area (WRSA) landfill this month is approximately **56 m³**. No effluent was discharged from Landfarms, fuel tank farms or fuel storage facilities this month.

The estimated volume of tailings slurry placed in the Echo Tailings Facility this month is **84,146 m³**. This volume is based on the process mill output that occurred this month. No other contact water, WRSA effluent, ore stockpile effluent, or other effluent/water streams were pumped into the Primary Pond, Tailings Storage Facility, other Tailings Facilities, and/or transferred between ponds or facilities this month.

No effluent was discharged at the Final Discharge Point at Monitoring Programs Station(s) BRP-58a to BRP-58xx (TBD) this month. Information required by Part F, Item 16 of the Licence, related to the Effluent Discharge Plan will be submitted to the Board at least 120 days prior to discharge of Effluent subject to Part F, Item 21 of the Licence.

Table 2-3 Dewatering Volumes Discharged to Goose Lake

Locations	Volume (m ³)	Destination
Llama Lake (BRP-02)	20,567,273	Goose Lake
Umwelt Lake (BRP-06)	172,980	Goose Lake

The dewatering volumes from Llama Lake and Umwelt Lake for the month is approximately 20,740,253 m³ and discharged through BRP-01 into Goose Lake.

The quantity of waste rock placed and stored at each WRSA and other locations approved by the Board are presented in Table 2-4.

Table 2-4 Quantity of Waste Rock Placed and Stored

Location	Volume this Month (tonnes)	Cumulative Volume (tonnes)
Echo WRSA	0	4,749,968
Umwelt WRSA	1,088,982	6,740,00

Dry tonnes of tailings placed in the Echo Tailings Facility this month is approximately **43,073 m³**. A total of **264,993 tonnes** of ore was stockpiled, and **22,943 tonnes** of ore was processed through the process plant this month.

2.3 PART I, Item 9

The Licensee shall measure and record the following on a Monthly basis in tonnes:

- Quantity of Waste placed within the Landfill(s) and Landfarm(s);
- Quantity of Waste Rock placed into, and total stored at, each Waste Storage Area and other locations approved by the Board;
- Dry tonnes of tailings placed into, and stored at, the Tailings Storage Facility and Tailings Facilities;
- Quantity of ore stockpiled and ore processed through the processing plant.

Compliance Status:

Quantity of waste placed in the landfill (cell 5 and 6) this month is approximately **889 m³**. The current cell (cell 6) situated within the Umwelt WRSA. No material was placed in either the Goose (BRP-51) or MLA (BRP-44) Landfarm this month. These facilities are not yet commissioned.

2.4 PART I, Item 20

No additional monitoring was imposed by the Inspector this month.

3. SCHEDULE I REQUIREMENTS

The information provided in the following sections is to comply with Part I, Item 4, which requires the Licensee to undertake the Monitoring Program provided in Table 1 and Table 2 of Schedule I.

Table A-1 (Appendix A) provides an overview of the monitoring stations, descriptions, and monitoring frequencies as well as a summary of monitoring status and activities completed for the month. Additional details relevant to this month's monitoring of active sites are provided in the following sections. Documentation of environmental conditions during spring freshet, major rain events, and periods of sustained precipitation as required by the License requirements are also provided where applicable.

3.1 BRP-S General Seeps

Seepage, particularly from stockpiles or disturbed area, is inspected and collected when noticed on a monthly basis. Three seeps (BRP-S-01, BRP-S-03 and BRP-S-05) were observed flowing in June. Samples were collected from all three locations and analyzed as per Schedule I requirements. Analytical results indicate no exceedances of applicable criteria at these locations. Results are provided in Table B-1 to Table B-3 (Appendix B).

3.2 BRP-01 Goose Lake Discharge

Dewatering activities began during June's reporting period. The volume of water discharged to Goose Lake during the reporting period is provided in Section 2-3. As per Schedule I sampling is required weekly, monthly and annually during dewatering activities. Two weekly samples and one monthly acute toxicity sample were collected during the reporting period and analyzed as per Schedule I requirements. Analytical results were within the permit limits. The analytical results are provided in Table B-4 (Appendix B). Acute Toxicity results for both Rainbow Trout and *Daphnia magna* showed 0% mortalities (Appendix C).

3.3 BRP-10 Primary Water Pond

Two samples were collected from the Primary Water Pond and analyzed as per Schedule I requirements. Analytical results indicate no exceedances of applicable criteria. The results are provided in Table B-5 (Appendix B).

3.4 BRP-13 Plant Site Pond

One sample was collected from the Plant Site Pond and analyzed as per Schedule I requirements. Analytical results indicate no exceedances of applicable criteria. The results are provided in Table B-6 (Appendix B).

3.5 BRP-17 Goose Property Sewage Treatment Plant

The Goose Sewage Treatment Plant (STP) discharges treated effluent to land, allowing for additional overland treatment prior to entering the freshwater receiving environment. The volume of treated sewage effluent discharged during the reporting period is provided in Section 2.2. Two samples were collected from BRP-17 during the reporting period and analyzed as per Schedule I requirements. Analytical results indicate no exceedances of applicable criteria at this location. The results are provided in Table B-7 (Appendix B).

3.6 BRP-18 Llama Watershed Outflow

One sample was collected from the Llama Watershed Outflow into Goose Lake (BRP-18) and analyzed as per Schedule I requirements. Analytical results indicate no exceedances of applicable criteria. The results are provided in Table B-8 (Appendix B).

3.7 BRP-19 Echo Outflow

One sample was collected from the Echo Outflow (BRP-19) non-contact water and analyzed as per Schedule I requirements. Analytical results indicate no exceedances of applicable criteria at this location. The results are provided in Table B-9 (Appendix B).

3.8 BRP-20 Echo Tailings Facility

One sample was collected from the Echo Tailings Facility (BRP-20), also known as Echo Pit and analyzed as per Schedule I requirements. Currently there are no plans to discharge this water to the receiving environment. The results are provided in Table B-10 (Appendix B).

3.9 BRP-22 Echo WRSA Pond

One sample was collected from the Echo WRSA contact water (BRP-22) and analyzed as per Schedule I requirements. Analytical results indicate no exceedances of applicable criteria. The results are provided in Table B-11 (Appendix B).

3.10 BRP-23 Gander Pond Outflow

One sample was collected from the Gander Pond Outflow into Goose Lake (BRP-23) and analyzed as per Schedule I requirements. Analytical results indicate no exceedances of applicable criteria at this location. The results are provided in Table B-12 (Appendix B).

3.11 BRP-24 Goose Lake Intake

Flow at the Goose Lake Intake point for potable and industrial water withdrawal is continuously metered. The total monthly volume withdrawn from Goose Lake under this Licence is reported in Section 2.2.

3.12 BRP-30 Goose Southeast Inflow

One sample was collected from the Goose Southeast Inflow. Analytical results indicate no exceedances of applicable criteria at this location. The results are provided in Table B-13 (Appendix B).

3.13 BRP-40 and 41 MLA Bathurst Inlet Desalination Intake and Discharge

During the reporting period, one sample was collected from each of BRP-40 and BRP-41 and analyzed as per Schedule I requirements. Analytical results indicated no exceedances of applicable criteria at either monitoring station. Results for BRP-40 and BRP-41 are presented in Table B-14 and Table B-15, respectively (Appendix B). The flow meters/totalizers for the desalination plant stopped working in June. New flow/totalizers for the desalination have been ordered and will be installed once they are received at site.

3.14 BRP-42 AKMLA Greywater

The volume of greywater discharged from the AKMLA Camp to the tundra is reported in Section 2.2, Table 2-2. BRP-42 represents the drainage pathway at the point of entry to the marine receiving environment. During the reporting period, no flow was available for sampling at the downstream monitoring location (BRP-42).

3.15 BRP-43 AKMLA Fuel Tank Farm

One sample was collected from the AKMLA Fuel Tank Farm and analyzed as per Schedule I requirements. Analytical results indicated a total suspended solids (TSS) exceedance as per the applicable criteria. B2Gold notified the Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) Inspector as required by Part F, Item 2 of Water License 2AM-BRP1831 Amendment No.1 and obtained approval to use this water on engineered pads and site roadways for dust suppression purposes. Results for BRP-43 are presented in Table B-16 (Appendix B).

3.16 BRP-I Interconnection WIR Proximal Water Bodies

No water was used for the construction of the interconnection Winter Ice Road (WIR) and /or for WIR service/emergency camps this month.

APPENDIX A

MONITORING ACTIVITY OVERVIEW BY STATION

Table A-1 Monitoring Activity Overview by Station for June 2026

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
BRP-G-01 to BRP-G-TBD	Regulated Monitoring	General Site Runoff Surficial runoff anywhere at both Goose Property and MLA, including quarries; monitoring for erosion and sedimentation.	Construction	C	Weekly if flow enters a waterbody	Active during freshet and heavy rain events.
BRP-S-01 to BRP-S-TBD	General Monitoring	General Seeps Seepage or runoff from excavated and/or stockpiled material anywhere at both Goose Property and MLA, including quarries, that does not gather into a collection system or the site is reclaimed.	Construction and Operations	A, D	Monthly during flow, or as found	Active. See section 3.1 and Appendix B.
BRP-01	Regulated Monitoring	Goose Lake Discharge (discharge point for release of dewatering effluent with or without treatment)	Construction	A, B, G	Weekly during dewatering	Active. See section 3.2 and Appendix B.
				D	Four times during dewatering, at the same time as the weekly samples	
				H	Once per month during dewatering, at the same time as Group D	
				I	One time during dewatering, at the same time as Group D	

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
BRP-02	General Monitoring	Llama Lake (intake point for dewatering, triggers need for treatment prior to discharge at BRP-01)	Construction	C (TSS only)	Weekly if treatment is required; no sample if treatment is not required	Active, dewatering initiated in June.
BRP-03	Verification Monitoring	Llama Pit (representative of collected pit water prior to transfer to tailings management facility)	Operations Stage 1 to Operations Stage 2	A, G	At Licensee's discretion	N/A – facility not commissioned
BRP-04	General Monitoring	Llama Pit Lake (representative of flooded pit during flooding and before overflow to the downstream environment)	Closure* to post-closure	A, D	Twice per year	N/A – mine phase
BRP-05	Verification Monitoring	Llama WRSA Pond (representative of collected water quality)	Operations Stage 1 to Closure	A, G	At Licensee's discretion	N/A – facility not commissioned
BRP-06	General Monitoring	Umwelt Lake (intake point for dewatering, triggers need for treatment prior to discharge at BRP-01)	Construction	C (TSS only)	Weekly if treatment is required; no sample if treatment is not required	Active, dewatering initiated in June.
BRP-07	Verification Monitoring	Umwelt Pit (representative of collected pit water prior to transfer to tailings management facility)	Construction to Operations Stage 2	A, G	At Licensee's discretion	N/A – pit construction was initiated in early 2025; no transfer this month
BRP-08	General Monitoring	Umwelt Pit Lake (representative of flooded pit during flooding and before overflow to the downstream environment)	Closure to post-closure	A, D	Twice per year	N/A – mine phase

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
BRP-09	Verification Monitoring	Umwelt WRSA Pond (representative of collected water quality, including landfill seepage/runoff)	Construction to Closure (early)*	A, G	At Licensee's discretion	N/A – facility not commissioned
BRP-10	Verification Monitoring	Primary Water Pond (representative of collected water quality)	Construction to Closure (early)	A, D	At Licensee's discretion	Active. See Section 3.3 and Appendix B.
BRP-11	Verification Monitoring	Saline Water Pond (representative of stored water quality)	Construction (late) to Closure (early)	A, D	At Licensee's discretion	N/A – facility not commissioned
BRP-12	General Monitoring	Big Lake Intake (intake point for potable and industrial water withdrawal)	Construction to Closure	A, D	Four times per year	N/A – facility not commissioned
				B	Weekly	
BRP-13	Verification Monitoring	Ore Stockpile Pond (representative of collected water quality)	Construction to Closure (early)	A, D	At Licensee's discretion	Active. See Section 3.4 and Appendix B.
BRP-14	Verification Monitoring	ANFO Plant (representative of collected water quality)	Construction to Closure	A, E	At Licensee's discretion	N/A – facility not commissioned
BRP-15	Regulated Monitoring	Goose Fuel Tank Farm (representative of collected water quality)	Construction to Closure	A, E	Prior to discharge or transfer of water	N/A – no discharge this month
BRP-16	Regulated Monitoring	Goose Hazardous Waste Management Area (representative of collected water quality)	Construction to Closure	A, E	Prior to discharge or transfer of water	N/A – facility not commissioned
BRP-17	Regulated Monitoring	Goose Property Sewage Treatment Plant (treated sewage discharge/drainage immediately)	Construction to Closure	A, F	Monthly	Active. See Section 3.4 and Appendix B.

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
		prior to the point of entry into freshwater)				
BRP-17A	Regulated Monitoring	Goose Property Sewage Treatment Plant (discharge point for treated sewage into Tailings Storage Facility or Tailing Facility)	Construction to Closure*	A, F	Prior to discharge	N/A – no STP discharge to the TSF or TF
BRP-17B	Regulated Monitoring	AKMLA Sewage Treatment Plant (treated sewage discharge/drainage immediately prior to the point of entry into freshwater)	Construction to Closure*	A, F	Monthly	N/A – facility not commissioned
BRP-18	General Monitoring	Llama Watershed Outflow (representative of non-contact water, PN04 from Water and Load Balance)	Operations Stage 1 to Closure	A, D	Once during freshet and monthly during upstream construction while visible flow is present at the stations	Active. See Section 3.5 and Appendix B.
BRP-19	General Monitoring	Echo Outflow (representative of non-contact water). PN09 from water and load balance	Operations Stage 1 to Closure	A, D	Once during freshet and monthly during upstream construction while visible flow is present at the stations	Active. See Section 3.6 and Appendix B.
BRP-20	Verification Monitoring	Echo Pit (representative of collected pit water prior to transfer to tailings management facility)	Operations Stage 2	A, G	At Licensee's discretion	Active. See Section 3.7 and Appendix B.

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
BRP-21	General Monitoring	Echo Pit Lake (representative of flooded pit during flooding and before overflow to the downstream environment)	Closure to post-closure	A, D	Twice per year	N/A – mine phase
BRP-22	Verification Monitoring	Echo WRSA Pond (representative of collected water quality)	Operations Stage 2 to Closure (early)	A, G	At Licensee's discretion	Active. See Section 3.8 and Appendix B.
BRP-23	General Monitoring	Gander Pond Outflow (representative of non-contact water, PN07 from Water and Load Balance)	Operations Stage 1 to Closure	A, D	Once during freshet and monthly during upstream construction while visible flow is present at the stations	Active. See Section 3.9 and Appendix B.
BRP-24	General Monitoring	Goose Lake Intake (intake point for potable and industrial water withdrawal)	Operations Stage 1 to Closure (early)	B	Weekly	Active. See Section 3.10 and Appendix B.
BRP-25	Verification Monitoring	Goose Pit (representative of collected pit water prior to transfer to tailings management facility)	Operations Stage 1 to Operations Stage 2	A, G	At Licensee's discretion	N/A – facility not commissioned
BRP-26	General Monitoring	Goose Pit Lake (representative of flooded pit during flooding and before overflow to the downstream environment)	Closure* to post-closure	A, D	Twice per year	N/A – mine phase
BRP-27	Verification Monitoring	Goose Main Tailings Facility (intake point for water treatment,	Operations Stage 3 to Closure	A, G	At Licensee's discretion	N/A – mine phase

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
		represents pre- treatment water quality)				
BRP-28	Verification Monitoring	Goose Main Tailings Facility (discharge point for water treatment, represents post-treatment water quality)	Operations Stage 3 to Closure	A, G	At Licensee's discretion	N/A – mine phase
BRP-29	Verification Monitoring	TSF WRSA Pond (representative of collected water quality, including landfill seepage/runoff)	Operations Stage 1 to Closure	A, G	At Licensee's discretion	N/A – facility not commissioned
BRP-30	General Monitoring	Goose Southeast Inflow (representative of non-contact water, PN06 from Water and Load Balance)	Operations Stage 1 to Closure	A, D	Once during freshet	Active. See Section 3.11 and Appendix B.
BRP-40	General Monitoring	Bathurst Inlet Intake (intake point in marine environment for potable and industrial water withdrawal)	Construction to Closure	A, D, B	At Licensee's discretion	Active. See Section 3.12 and Appendix B
BRP-41	General Monitoring	Bathurst Inlet Discharge (discharge point in marine environment for effluent from desalinization plant)	Construction to Closure	A, J	At Licensee's discretion	Active. See Section 3.13 and Appendix B -
BRP-42	Regulated Monitoring	MLA Greywater (representative drainage at point of entry to the marine receiving environment)	Construction to Closure	A, F	Monthly when discharging	Active. See Section 3 and Appendix B
BRP-43	Regulated Monitoring	MLA Fuel Tank Farm (representative of collected water quality)	Construction to Closure	A, E	Prior to discharge or transfer of water	N/A – no discharge this month
BRP-44	Regulated Monitoring	MLA Landfarm (representative of collected water quality)	Construction to Closure	A, E	Prior to discharge or transfer of water	N/A – facility not commissioned

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
BRP-45	Regulated Monitoring	MLA Hazardous Waste Management Area (representative of collected water quality)	Construction to Closure	A, E	Prior to discharge or transfer of water	N/A – facility not commissioned
BRP-49	Regulated Monitoring	MLA Temporary Fuel Storage Facility (representative of collected water quality)	Construction	A, E	Prior to discharge or transfer of water	N/A – no discharge this month
BRP-51	Regulated Monitoring	Goose Landfarm (representative of collected water quality)	Construction to Closure	A, E	Prior to discharge or transfer of water	N/A – facility not commissioned
BRP-52	General Monitoring	MLA Pond S1 (intake point for potable and industrial water withdrawal)	Construction to Closure	A, D	Once per quarter when in use	N/A – no water was withdrawn this month
				B	Weekly when in use	
BRP-53	General Monitoring	MLA Pond S2 (intake point for potable and industrial water withdrawal)	Construction to Closure	A, D	Once per quarter when in use	N/A – no water was withdrawn this month
				B	Weekly when in use	
BRP-54	General Monitoring	MLA Lake 3 (intake point for potable and industrial water withdrawal)	Construction to Closure	A, D	Once per quarter when in use	N/A – no water was withdrawn this month
				B	Weekly when in use	
BRP-55	General Monitoring	MLA Lake 4 (intake point for potable and industrial water withdrawal)	Construction to Closure	A, D	Once per quarter when in use	N/A – no water was withdrawn this month
				B	Weekly when in use	
BRP-56	General Monitoring	Llama Tailings Facility (collected at "inlet" to treatment facility pre-treatment quality)	Operations to Closure	A, G	At Licensee's discretion	N/A – facility not commissioned
BRP-57	General Monitoring	Llama Tailings Facility (after treatment; collected at "outlet" of	Operations to Closure	A, G	At Licensee's discretion	N/A – facility not commissioned

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
		treatment facility; no discharge to the receiving environment post-treatment quality to confirm treatment efficiency)				
BRP-58a to BRP-58xx (TBD)	Regulated Monitoring	Final Discharge Point Goose Lake			As per Part F, Item 16	N/A – no discharge this month
BRP-I-01 to BRP-I-TBD	General Monitoring	Interconnection Winter Ice Road Proximal Water Bodies (intake points for fresh water used in the construction of the Interconnection Winter Ice Road and WIR Service/Emergency Camps)	Construction to Closure	B	Weekly when in use	Active. See Section 3

Note:

* Refers to Group Code from Water Licence 2AM-BRP1831 Schedule I Table 1.

APPENDIX B

WATER QUALITY ANALYTICAL RESULTS

Table B-1: BRP-S-01 Seep Sampling

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	09-Jun-2026	16-Jun-2026
				13:40:00	14:00:00
				BRP-S-01	BRP-S-01
				C634526	C636918
				EGO482	EHD591
				Sample	Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	65.8	55.3
Aluminum (Al)-Dissolved	-	-	mg/L	0.0097	0.0122
Aluminum (Al)-Total	-	-	mg/L	0.118	0.0434
Ammonia (N)-Total	-	-	mg/L	0.51	0.3
Arsenic (As)-Dissolved	-	-	mg/L	0.00495	0.00492
Arsenic (As)-Total	-	-	mg/L	0.00653	0.00539
Barium (Ba)-Dissolved	-	-	mg/L	0.017	0.0137
Barium (Ba)-Total	-	-	mg/L	0.0186	0.0147
Cadmium (Cd)-Dissolved	-	-	mg/L	0.000149	0.000109
Cadmium (Cd)-Total	-	-	mg/L	0.000191	0.000116
Calcium (Ca)-Dissolved	-	-	mg/L	40.7	43.7
Chloride (Cl)-Dissolved	-	-	mg/L	22	19
Conductivity	-	-	µS/cm	460	426
Copper (Cu)-Dissolved	-	-	mg/L	0.00837	0.00639
Copper (Cu)-Total	-	-	mg/L	0.0102	0.00698
Cyanide (CN)-Free	-	-	mg/L	0.00495	0.00263
Cyanide (CN)-Strong Acid Dissoc. Solid	-	-	mg/kg	0.00588	0.00318
Cyanide (CN)-Weak Acid Dissoc. Solid	-	-	mg/kg	0.00469	0.00273
Field Temperature	-	-	deg. C	3.9	5
Fluoride (F)	-	-	mg/L	0.112	0.138
Hardness (CaCO3)-Dissolved	-	-	mg/L	150	164
Hardness (CaCO3)-Total	-	-	mg/L	167	158
Iron (Fe)-Dissolved	-	-	mg/L	0.0152	0.0181
Iron (Fe)-Total	-	-	mg/L	0.201	0.077
Lead (Pb)-Dissolved	-	-	mg/L	0.00052	0.00028
Lead (Pb)-Total	-	-	mg/L	0.0009	0.00041
Magnesium (Mg)-Dissolved	-	-	mg/L	11.7	13.3
Manganese (Mn)-Dissolved	-	-	mg/L	0.291	0.311
Manganese (Mn)-Total	-	-	mg/L	0.319	0.304
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019	<0.0000019
Mercury (Hg)-Total	-	-	mg/L	<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	-	-	mg/L	0.0073	0.006
Molybdenum (Mo)-Total	-	-	mg/L	0.0085	0.0058
Nickel (Ni)-Dissolved	-	-	mg/L	0.0305	0.0308
Nickel (Ni)-Total	-	-	mg/L	0.0347	0.0324
Nitrate (NO3)-Dissolved	-	-	mg/L	29	33
Nitrite (NO2)-Dissolved	-	-	mg/L	0.34	0.32
Organic Carbon (C)-Dissolved	-	-	mg/L	5.2	4.2
pH	-	-	pH Units	6.75	6.88
pH-Field	-	-	pH	7.04	6.94
Phosphorus (P)-Total	-	-	mg/L	0.012	0.0069
Potassium (K)-Dissolved	-	-	mg/L	8.57	7.69
Selenium (Se)-Dissolved	-	-	mg/L	0.00066	0.00052
Selenium (Se)-Total	-	-	mg/L	0.0006	0.00082
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020	0.000021
Silver (Ag)-Total	-	-	mg/L	<0.000020	0.000031
Sodium (Na)-Dissolved	-	-	mg/L	14	8.78
Strontium (Sr)-Dissolved	-	-	mg/L	0.176	0.192
Strontium (Sr)-Total	-	-	mg/L	0.2	0.185
Sulphate (SO4)-Dissolved	-	-	mg/L	110	120
Thallium (Tl)-Dissolved	-	-	mg/L	0.000017	0.000013
Thallium (Tl)-Total	-	-	mg/L	0.00003	0.000014
Total Dissolved Solids Calculated	-	-	mg/L	280	280
Total Dissolved Solids Measured	-	-	mg/L	280	260
Total Suspended Solids	-	-	mg/L	5	<1.0
Turbidity	-	-	NTU	5.2	1.7
Un-Ionized Ammonia	-	-	mg/L	0.00064	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	0.00081	0.00058
Uranium (U)-Total	-	-	mg/L	0.00092	0.00055
Zinc (Zn)-Dissolved	-	-	mg/L	0.007	0.0081
Zinc (Zn)-Total	-	-	mg/L	0.0098	0.0078

Table B-2: BRP-S-02 Seep Sampling

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	09-Jun-2026	16-Jun-2026
				11:15:00	14:40:00
				BRP-S-03	BRP-S-03
				C634526	C636918
				EGO481	EHD590
				Sample	Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	24.1	41.2
Aluminum (Al)-Dissolved	-	-	mg/L	0.0393	0.0408
Aluminum (Al)-Total	-	-	mg/L	0.857	0.0949
Ammonia (N)-Total	-	-	mg/L	0.88	0.022
Arsenic (As)-Dissolved	-	-	mg/L	0.00115	0.00069
Arsenic (As)-Total	-	-	mg/L	0.0029	0.00077
Barium (Ba)-Dissolved	-	-	mg/L	0.0387	0.0432
Barium (Ba)-Total	-	-	mg/L	0.0448	0.0421
Cadmium (Cd)-Dissolved	-	-	mg/L	0.00006	0.000072
Cadmium (Cd)-Total	-	-	mg/L	0.000078	0.000079
Calcium (Ca)-Dissolved	-	-	mg/L	33.7	38.5
Chloride (Cl)-Dissolved	-	-	mg/L	31	39
Conductivity	-	-	µS/cm	550	578
Copper (Cu)-Dissolved	-	-	mg/L	0.00337	0.00339
Copper (Cu)-Total	-	-	mg/L	0.0054	0.00363
Cyanide (CN)-Free	-	-	mg/L	0.00088	0.00148
Cyanide (CN)-Strong Acid Dissoc. Solid	-	-	mg/kg	0.00193	0.00256
Cyanide (CN)-Weak Acid Dissoc. Solid	-	-	mg/kg	<0.00050	0.00186
Field Temperature	-	-	deg. C	4	11.8
Fluoride (F)	-	-	mg/L	0.03	0.052
Hardness (CaCO3)-Dissolved	-	-	mg/L	208	240
Hardness (CaCO3)-Total	-	-	mg/L	226	232
Iron (Fe)-Dissolved	-	-	mg/L	0.12	0.0393
Iron (Fe)-Total	-	-	mg/L	1.86	0.162
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020	<0.00020
Lead (Pb)-Total	-	-	mg/L	0.00048	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	30.1	34.9
Manganese (Mn)-Dissolved	-	-	mg/L	0.303	0.0906
Manganese (Mn)-Total	-	-	mg/L	0.322	0.0995
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019	0.0000024
Mercury (Hg)-Total	-	-	mg/L	0.0000032	0.0000024
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010	<0.0010
Nickel (Ni)-Dissolved	-	-	mg/L	0.0223	0.0212
Nickel (Ni)-Total	-	-	mg/L	0.0256	0.0251
Nitrate (NO3)-Dissolved	-	-	mg/L	37	22
Nitrite (NO2)-Dissolved	-	-	mg/L	0.14	0.012
Organic Carbon (C)-Dissolved	-	-	mg/L	10	10
pH	-	-	pH Units	6.32	6.36
pH-Field	-	-	pH	6.46	6.09
Phosphorus (P)-Total	-	-	mg/L	0.02	0.0042
Potassium (K)-Dissolved	-	-	mg/L	9.17	9.98
Selenium (Se)-Dissolved	-	-	mg/L	0.00047	0.00033
Selenium (Se)-Total	-	-	mg/L	0.00052	0.00039
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000020	<0.000020
Sodium (Na)-Dissolved	-	-	mg/L	5.34	6.12
Strontium (Sr)-Dissolved	-	-	mg/L	0.11	0.126
Strontium (Sr)-Total	-	-	mg/L	0.119	0.118
Sulphate (SO4)-Dissolved	-	-	mg/L	170	190
Thallium (Tl)-Dissolved	-	-	mg/L	0.000026	0.000017
Thallium (Tl)-Total	-	-	mg/L	0.000029	0.000022
Total Dissolved Solids Calculated	-	-	mg/L	340	370
Total Dissolved Solids Measured	-	-	mg/L	360	370
Total Suspended Solids	-	-	mg/L	28	<1.0
Turbidity	-	-	NTU	25	0.13
Un-Ionized Ammonia	-	-	mg/L	<0.00050	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	<0.00010	<0.00010
Uranium (U)-Total	-	-	mg/L	0.00015	<0.00010
Zinc (Zn)-Dissolved	-	-	mg/L	<0.0050	0.0055
Zinc (Zn)-Total	-	-	mg/L	0.0225	0.0057

Table B-3: BRP-S-03 Seep Sampling

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	09-Jun-2026
				10:40:00
				BRP-S-05
				C634526
				EGO480 Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	10.5
Aluminum (Al)-Dissolved	-	-	mg/L	0.0365
Aluminum (Al)-Total	-	-	mg/L	0.202
Ammonia (N)-Total	-	-	mg/L	0.41
Arsenic (As)-Dissolved	-	-	mg/L	0.00068
Arsenic (As)-Total	-	-	mg/L	0.00115
Barium (Ba)-Dissolved	-	-	mg/L	0.0389
Barium (Ba)-Total	-	-	mg/L	0.0411
Cadmium (Cd)-Dissolved	-	-	mg/L	0.000113
Cadmium (Cd)-Total	-	-	mg/L	0.000101
Calcium (Ca)-Dissolved	-	-	mg/L	46.2
Chloride (Cl)-Dissolved	-	-	mg/L	42
Conductivity	-	-	µS/cm	631
Copper (Cu)-Dissolved	-	-	mg/L	0.00458
Copper (Cu)-Total	-	-	mg/L	0.00566
Cyanide (CN)-Free	-	-	mg/L	0.00075
Cyanide (CN)-Strong Acid Dissoc. Solid	-	-	mg/kg	0.00185
Cyanide (CN)-Weak Acid Dissoc. Solid	-	-	mg/kg	<0.00050
Field Temperature	-	-	deg. C	4.7
Fluoride (F)	-	-	mg/L	0.033
Hardness (CaCO3)-Dissolved	-	-	mg/L	250
Hardness (CaCO3)-Total	-	-	mg/L	278
Iron (Fe)-Dissolved	-	-	mg/L	0.0402
Iron (Fe)-Total	-	-	mg/L	0.294
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020
Lead (Pb)-Total	-	-	mg/L	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	32.8
Manganese (Mn)-Dissolved	-	-	mg/L	0.353
Manganese (Mn)-Total	-	-	mg/L	0.381
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019
Mercury (Hg)-Total	-	-	mg/L	0.0000026
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010
Nickel (Ni)-Dissolved	-	-	mg/L	0.0369
Nickel (Ni)-Total	-	-	mg/L	0.0404
Nitrate (NO3)-Dissolved	-	-	mg/L	46
Nitrite (NO2)-Dissolved	-	-	mg/L	0.07
Organic Carbon (C)-Dissolved	-	-	mg/L	10
pH	-	-	pH Units	6.32
pH-Field	-	-	pH	6.2
Phosphorus (P)-Total	-	-	mg/L	0.0071
Potassium (K)-Dissolved	-	-	mg/L	9.51
Selenium (Se)-Dissolved	-	-	mg/L	0.00062
Selenium (Se)-Total	-	-	mg/L	0.00064
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020
Silver (Ag)-Total	-	-	mg/L	0.000024
Sodium (Na)-Dissolved	-	-	mg/L	6.01
Strontium (Sr)-Dissolved	-	-	mg/L	0.138
Strontium (Sr)-Total	-	-	mg/L	0.147
Sulphate (SO4)-Dissolved	-	-	mg/L	190
Thallium (Tl)-Dissolved	-	-	mg/L	0.000037
Thallium (Tl)-Total	-	-	mg/L	0.000027
Total Dissolved Solids Calculated	-	-	mg/L	390
Total Dissolved Solids Measured	-	-	mg/L	420
Total Suspended Solids	-	-	mg/L	2.5
Turbidity	-	-	NTU	4.4
Un-Ionized Ammonia	-	-	mg/L	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	<0.00010
Uranium (U)-Total	-	-	mg/L	<0.00010
Zinc (Zn)-Dissolved	-	-	mg/L	0.0057
Zinc (Zn)-Total	-	-	mg/L	0.0101

Table B-4: BRP-01 Goose Lake Discharge

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	09-Jun-2026	15-Jun-2026
				09:20:00	15:00:00
				BRP-01	BRP-01
				C634493	C636051
				EGO299	EGY478
				Sample	Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	7.22	9.93
Aluminum (Al)-Dissolved	-	-	mg/L	0.0201	0.0156
Aluminum (Al)-Total	1.5	3.0	mg/L	0.114	0.0741
Ammonia (N)-Total	-	-	mg/L	0.2	0.21
Arsenic (As)-Dissolved	-	-	mg/L	0.0018	0.00129
Arsenic (As)-Total	-	-	mg/L	0.00193	0.00167
Barium (Ba)-Dissolved	-	-	mg/L	0.0179	0.0186
Barium (Ba)-Total	-	-	mg/L	0.0198	0.0175
Cadmium (Cd)-Dissolved	-	-	mg/L	0.000017	0.000016
Cadmium (Cd)-Total	-	-	mg/L	0.000025	0.000018
Calcium (Ca)-Dissolved	-	-	mg/L	8.1	7.80
Chloride (Cl)-Dissolved	-	-	mg/L	13	8.8
Conductivity	-	-	µS/cm	95.9	90.3
Copper (Cu)-Dissolved	-	-	mg/L	0.00165	0.00155
Copper (Cu)-Total	-	-	mg/L	0.00225	0.00231
Cyanide (CN)-Free	-	-	mg/L	<0.00050	<0.00050
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	<0.00050	0.00052
Cyanide (CN)-Weak Acid Dissoc.	-	-	mg/L	<0.00050	0.00084
Field Temperature	-	-	deg. C	3.8	13.3
Fluoride (F)	-	-	mg/L	0.016	0.025
Hardness (CaCO3)-Dissolved	-	-	mg/L	33.3	32.6
Hardness (CaCO3)-Total	-	-	mg/L	35.2	32.8
Iron (Fe)-Dissolved	-	-	mg/L	0.05	0.0458
Iron (Fe)-Total	-	-	mg/L	0.23	0.160
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020	<0.00020
Lead (Pb)-Total	-	-	mg/L	<0.00020	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	3.18	3.19
Manganese (Mn)-Dissolved	-	-	mg/L	0.0581	0.0388
Manganese (Mn)-Total	-	-	mg/L	0.0645	0.0405
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019	<0.0000019
Mercury (Hg)-Total	-	-	mg/L	<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010	<0.0010
Acute Toxicity Rainbow Trout	-	-	%	-	0.00
Acute Toxicity <i>Daphnia magna</i>	-	-	%	-	0.00
Nickel (Ni)-Dissolved	-	-	mg/L	0.0063	0.0061
Nickel (Ni)-Total	-	-	mg/L	0.0067	0.0070
Nitrate (NO3)-Dissolved	-	-	mg/L	<1.80	0.97
Nitrite (NO2)-Dissolved	-	-	mg/L	0.006	0.0070
Organic Carbon (C)-Dissolved	-	-	mg/L	4.2	-
pH	6.0 to 9.5	6.0 to 9.5	pH Units	6.35	6.45
pH-Field	-	-	pH	6.7	6.83
Phosphorus (P)-Total	-	-	mg/L	0.0043	0.0044
Potassium (K)-Dissolved	-	-	mg/L	0.972	0.889
Radium 226	-	-	Bq/L	<0.0050	*
Selenium (Se)-Dissolved	-	-	mg/L	<0.00010	<0.00010
Selenium (Se)-Total	-	-	mg/L	<0.00010	<0.00010
Silver (Ag)-Dissolved	-	-	mg/L	0.000036	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000020	<0.000020
Sodium (Na)-Dissolved	-	-	mg/L	1.05	1.00
Strontium (Sr)-Dissolved	-	-	mg/L	0.0296	0.0260
Strontium (Sr)-Total	-	-	mg/L	0.0311	0.0262
Sulphate (SO4)-Dissolved	-	-	mg/L	14	14
Thallium (Tl)-Dissolved	-	-	mg/L	<0.000010	<0.000010
Thallium (Tl)-Total	-	-	mg/L	<0.000010	<0.000010
Total Dissolved Solids Calculated	-	-	mg/L	45	43
Total Dissolved Solids Measured	-	-	mg/L	60	56
Total Suspended Solids	15	30	mg/L	2.8	1.3
Turbidity	15	30	NTU	4.7	3.6
Un-Ionized Ammonia	-	-	mg/L	<0.00050	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	<0.00010	<0.00010
Uranium (U)-Total	-	-	mg/L	<0.00010	<0.00010
Zinc (Zn)-Dissolved	-	-	mg/L	<0.0050	<0.0050
Zinc (Zn)-Total	-	-	mg/L	<0.0050	<0.0050

Table B-5: BRP-10 Primary Water Pond

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	03-Jun-2026	28-Jun-26
				13:50:00	15:35:00
				BRP-10	BRP-10
				C632943	C639689
				EGE850	EHW367
				Sample	Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	17.3	30.7
Aluminum (Al)-Dissolved	-	-	mg/L	0.0198	0.0171
Aluminum (Al)-Total	-	-	mg/L	0.301	0.0741
Ammonia (N)-Total	-	-	mg/L	0.54	0.019
Arsenic (As)-Dissolved	-	-	mg/L	0.00196	0.00230
Arsenic (As)-Total	-	-	mg/L	0.00349	0.00274
Barium (Ba)-Dissolved	-	-	mg/L	0.0121	0.0156
Barium (Ba)-Total	-	-	mg/L	0.0135	0.0162
Cadmium (Cd)-Dissolved	-	-	mg/L	0.000013	0.000023
Cadmium (Cd)-Total	-	-	mg/L	0.000011	<0.000010
Calcium (Ca)-Dissolved	-	-	mg/L	6.64	10.2
Chloride (Cl)-Dissolved	-	-	mg/L	7.4	11
Chromium (Cr)-Dissolved	-	-	mg/L	<0.0010	<0.0010
Chromium (Cr)-Total	-	-	mg/L	<0.0010	<0.0010
Conductivity	-	-	µS/cm	111	156
Copper (Cu)-Dissolved	-	-	mg/L	0.00194	0.00229
Copper (Cu)-Total	-	-	mg/L	0.00289	0.00253
Cyanide (CN)-Free	-	-	mg/L	-	0.00056
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	0.00288	0.00084
Cyanide (CN)-Weak Acid Dissoc.	-	-	mg/L	0.00258	0.00074
Fluoride (F)	-	-	mg/L	0.037	0.041
Hardness (CaCO3)-Dissolved	-	-	mg/L	36.6	58.1
Hardness (CaCO3)-Total	-	-	mg/L	36.6	53.7
Iron (Fe)-Dissolved	-	-	mg/L	0.131	0.201
Iron (Fe)-Total	-	-	mg/L	0.78	0.508
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020	<0.00020
Lead (Pb)-Total	-	-	mg/L	0.00023	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	4.85	7.96
Manganese (Mn)-Dissolved	-	-	mg/L	0.15	0.0046
Manganese (Mn)-Total	-	-	mg/L	0.154	0.0289
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019	0.0000024
Mercury (Hg)-Total	-	-	mg/L	<0.0000019	0.0000042
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010	<0.0010
Nickel (Ni)-Dissolved	-	-	mg/L	0.0056	0.0061
Nickel (Ni)-Total	-	-	mg/L	0.0063	0.0078
Nitrate (NO3)-Dissolved	-	-	mg/L	4.7	4.0
Nitrite (NO2)-Dissolved	-	-	mg/L	0.083	0.091
Organic Carbon (C)-Dissolved	-	-	mg/L	4.3	-
Field Temperature	-	-	deg. C	14.7	18.4
Field pH	-	-	pH Units	6.88	6.97
pH	-	-	pH Units	6.58	6.40
Phosphorus (P)-Total	-	-	mg/L	0.029	0.017
Potassium (K)-Dissolved	-	-	mg/L	3.22	4.36
Selenium (Se)-Dissolved	-	-	mg/L	0.00021	0.00011
Selenium (Se)-Total	-	-	mg/L	0.00025	0.00018
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000020	<0.000020
Sodium (Na)-Dissolved	-	-	mg/L	2.16	3.24
Strontium (Sr)-Dissolved	-	-	mg/L	0.0218	0.0337
Strontium (Sr)-Total	-	-	mg/L	0.0217	0.0321
Sulphate (SO4)-Dissolved	-	-	mg/L	20	27
Thallium (Tl)-Dissolved	-	-	mg/L	<0.000010	<0.000010
Thallium (Tl)-Total	-	-	mg/L	<0.000010	<0.000010
Total Dissolved Solids Calculated	-	-	mg/L	61	-
Total Dissolved Solids Measured	-	-	mg/L	68	110
Total Suspended Solids	-	-	mg/L	7.3	4.0
Turbidity	-	-	NTU	8.4	2.2
Un-Ionized Ammonia	-	-	mg/L	0.0011	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	0.00015	0.00018
Uranium (U)-Total	-	-	mg/L	0.0002	0.00014
Zinc (Zn)-Dissolved	-	-	mg/L	<0.0050	<0.0050
Zinc (Zn)-Total	-	-	mg/L	0.0057	<0.0050

Table B-6: BRP-13 Plant Site Pond

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	29-Jun-26
				14:00:00
				BRP-13
				C640112
				EHY272
				Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	2.90
Aluminum (Al)-Dissolved	-	-	mg/L	0.0103
Aluminum (Al)-Total	-	-	mg/L	0.147
Ammonia (N)-Total	-	-	mg/L	6.0
Arsenic (As)-Dissolved	-	-	mg/L	0.0153
Arsenic (As)-Total	-	-	mg/L	0.0201
Barium (Ba)-Dissolved	-	-	mg/L	0.0474
Barium (Ba)-Total	-	-	mg/L	0.0514
Cadmium (Cd)-Dissolved	-	-	mg/L	0.000230
Cadmium (Cd)-Total	-	-	mg/L	0.000199
Calcium (Ca)-Dissolved	-	-	mg/L	274
Chloride (Cl)-Dissolved	-	-	mg/L	490
Chromium (Cr)-Dissolved	-	-	mg/L	<0.0010
Chromium (Cr)-Total	-	-	mg/L	<0.0010
Conductivity			µS/cm	1790
Copper (Cu)-Dissolved	-	-	mg/L	0.00035
Copper (Cu)-Total	-	-	mg/L	0.00081
Cyanide (CN)-Free	-	-	mg/L	0.00080
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	0.00073
Cyanide (CN)-Weak Acid Dissoc.	-	-	mg/L	0.00092
Fluoride (F)	-	-	mg/L	0.247
Hardness (CaCO3)-Dissolved	-	-	mg/L	706
Hardness (CaCO3)-Total	-	-	mg/L	699
Iron (Fe)-Dissolved	-	-	mg/L	0.0097
Iron (Fe)-Total	-	-	mg/L	0.411
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020
Lead (Pb)-Total	-	-	mg/L	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	5.52
Manganese (Mn)-Dissolved	-	-	mg/L	0.135
Manganese (Mn)-Total	-	-	mg/L	0.136
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019
Mercury (Hg)-Total	-	-	mg/L	<0.0000019
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010
Nickel (Ni)-Dissolved	-	-	mg/L	0.0176
Nickel (Ni)-Total	-	-	mg/L	0.0200
Nitrate (NO3)-Dissolved	-	-	mg/L	64
Nitrite (NO2)-Dissolved	-	-	mg/L	0.62
Organic Carbon (C)-Dissolved	-	-	mg/L	-
Field Temperature			deg. C	24.2
Field pH			pH Units	6.45
pH	-	-	pH Units	5.79
Phosphorus (P)-Total	-	-	mg/L	0.0042
Potassium (K)-Dissolved	-	-	mg/L	10.1
Selenium (Se)-Dissolved	-	-	mg/L	0.00026
Selenium (Se)-Total	-	-	mg/L	0.00018
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000020
Sodium (Na)-Dissolved	-	-	mg/L	7.68
Strontium (Sr)-Dissolved	-	-	mg/L	1.41
Strontium (Sr)-Total	-	-	mg/L	1.37
Sulphate (SO4)-Dissolved	-	-	mg/L	19
Thallium (Tl)-Dissolved	-	-	mg/L	0.000027
Thallium (Tl)-Total	-	-	mg/L	0.000032
Total Dissolved Solids_Calculated	-	-	mg/L	880
Total Dissolved Solids_Measured	-	-	mg/L	1100
Total Suspended Solids	-	-	mg/L	6.8
Turbidity	-	-	NTU	3.1
Un-Ionized Ammonia	-	-	mg/L	0.0091
Uranium (U)-Dissolved	-	-	mg/L	<0.00010
Uranium (U)-Total	-	-	mg/L	<0.00010
Zinc (Zn)-Dissolved	-	-	mg/L	<0.0050
Zinc (Zn)-Total	-	-	mg/L	0.0052

Table B-7: BRP-17 Goose Property Sewage Treatment Plant

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	07-Jun-2026	22-Jun-2026
				14:05:00	16:10:00
				BRP-17	BRP-17
				C633677	C638107
				EGJ802	EHL264
				Sample	Sample
Ammonia (NH ₃ -N)	4	8	mg/L	0.00073	0.0033
Biochemical oxygen demand [BOD]	30	-	mg/L	<2.0	<2.0
Fecal Coliform	1000	-	CFU/100 mL	<1	<1
Conductivity	-	-	µS/cm	62.2	152
Field Temperature	-	-	deg. C	11.2	16.8
pH	6.0 to 9.5	6.0 to 9.5	pH Units	6.53	6.63
pH-Field	-	-	pH	6.83	6.65
Phosphorus (P)-Total	4	8	mg/L	0.0037	0.033
Total Oil and Grease	No Visible Sheen	No Visible Sheen	mg/L	<2.0	<2.0
Total Suspended Solids	35.0	-	mg/L	<1.0	3.3

Table B-8: BRP-18 Llama Watershed Outflow

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	04-Jun-2026
				13:35:00
				BRP-18
				C633086
				EGF644
				Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	8.47
Aluminum (Al)-Dissolved	-	-	mg/L	0.0225
Aluminum (Al)-Total	-	-	mg/L	0.0336
Ammonia (N)-Total	-	-	mg/L	0.043
Arsenic (As)-Dissolved	-	-	mg/L	0.00078
Arsenic (As)-Total	-	-	mg/L	0.00085
Barium (Ba)-Dissolved	-	-	mg/L	0.0105
Barium (Ba)-Total	-	-	mg/L	0.0103
Cadmium (Cd)-Dissolved	-	-	mg/L	<0.000010
Cadmium (Cd)-Total	-	-	mg/L	0.000023
Calcium (Ca)-Dissolved	-	-	mg/L	4.98
Chloride (Cl)-Dissolved	-	-	mg/L	2.3
Chromium (Cr)-Dissolved	-	-	mg/L	<0.0010
Chromium (Cr)-Total	-	-	mg/L	<0.0010
Conductivity	-	-	µS/cm	71.0
Copper (Cu)-Dissolved	-	-	mg/L	0.0036
Copper (Cu)-Total	-	-	mg/L	0.00358
Cyanide (CN)-Free	-	-	mg/L	<0.00050
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	0.00058
Cyanide (CN)-Weak Acid Dissoc.	-	-	mg/L	<0.00050
Fluoride (F)	-	-	mg/L	0.025
Hardness (CaCO3)-Dissolved	-	-	mg/L	25.2
Hardness (CaCO3)-Total	-	-	mg/L	26.2
Iron (Fe)-Dissolved	-	-	mg/L	0.0183
Iron (Fe)-Total	-	-	mg/L	0.04
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020
Lead (Pb)-Total	-	-	mg/L	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	3.1
Manganese (Mn)-Dissolved	-	-	mg/L	<0.0010
Manganese (Mn)-Total	-	-	mg/L	0.0012
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019
Mercury (Hg)-Total	-	-	mg/L	<0.0000019
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010
Nickel (Ni)-Dissolved	-	-	mg/L	0.0053
Nickel (Ni)-Total	-	-	mg/L	0.0055
Nitrate (NO3)-Dissolved	-	-	mg/L	3.9
Nitrite (NO2)-Dissolved	-	-	mg/L	0.008
Organic Carbon (C)-Dissolved	-	-	mg/L	3.3
Field Temperature	-	-	deg. C	7.3
Field pH	-	-	pH Units	6.64
pH	-	-	pH Units	6.36
Phosphorus (P)-Total	-	-	mg/L	0.0044
Potassium (K)-Dissolved	-	-	mg/L	0.911
Selenium (Se)-Dissolved	-	-	mg/L	<0.00010
Selenium (Se)-Total	-	-	mg/L	<0.00010
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000020
Sodium (Na)-Dissolved	-	-	mg/L	1.74
Strontium (Sr)-Dissolved	-	-	mg/L	0.0198
Strontium (Sr)-Total	-	-	mg/L	0.0203
Sulphate (SO4)-Dissolved	-	-	mg/L	17
Thallium (Tl)-Dissolved	-	-	mg/L	<0.000010
Thallium (Tl)-Total	-	-	mg/L	<0.000010
Total Dissolved Solids Calculated	-	-	mg/L	40
Total Dissolved Solids Measured	-	-	mg/L	56
Total Suspended Solids	-	-	mg/L	<1.0
Turbidity	-	-	NTU	<0.10
Un-Ionized Ammonia	-	-	mg/L	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	<0.00010
Uranium (U)-Total	-	-	mg/L	<0.00010
Zinc (Zn)-Dissolved	-	-	mg/L	<0.0050
Zinc (Zn)-Total	-	-	mg/L	<0.0050

Table B-9: BRP-19 Echo Outflow

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	04-Jun-2026
				11:10:00
				BRP-19
				C633086
				EGF645
				Sample
Alkalinity (PP as CaCO ₃)	-	-	mg/L	<0.50
Alkalinity (Total as CaCO ₃)	-	-	mg/L	8.94
Aluminum (Al)-Dissolved	-	-	mg/L	0.0905
Aluminum (Al)-Total	-	-	mg/L	0.111
Ammonia (N)-Total	-	-	mg/L	0.071
Arsenic (As)-Dissolved	-	-	mg/L	0.00359
Arsenic (As)-Total	-	-	mg/L	0.00396
Barium (Ba)-Dissolved	-	-	mg/L	0.025
Barium (Ba)-Total	-	-	mg/L	0.0277
Cadmium (Cd)-Dissolved	-	-	mg/L	0.00002
Cadmium (Cd)-Total	-	-	mg/L	0.000043
Calcium (Ca)-Dissolved	-	-	mg/L	8.18
Chloride (Cl)-Dissolved	-	-	mg/L	10
Chromium (Cr)-Dissolved	-	-	mg/L	<0.0010
Chromium (Cr)-Total	-	-	mg/L	<0.0010
Conductivity	-	-	µS/cm	119
Copper (Cu)-Dissolved	-	-	mg/L	0.00317
Copper (Cu)-Total	-	-	mg/L	0.00394
Cyanide (CN)-Free	-	-	mg/L	0.00054
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	0.00067
Cyanide (CN)-Weak Acid Dissoc.	-	-	mg/L	0.00065
Fluoride (F)	-	-	mg/L	0.034
Hardness (CaCO ₃)-Dissolved	-	-	mg/L	45.4
Hardness (CaCO ₃)-Total	-	-	mg/L	47.7
Iron (Fe)-Dissolved	-	-	mg/L	1.51
Iron (Fe)-Total	-	-	mg/L	1.6
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020
Lead (Pb)-Total	-	-	mg/L	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	6.06
Manganese (Mn)-Dissolved	-	-	mg/L	0.131
Manganese (Mn)-Total	-	-	mg/L	0.138
Mercury (Hg)-Dissolved	-	-	mg/L	0.0000044
Mercury (Hg)-Total	-	-	mg/L	0.0000064
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010
Nickel (Ni)-Dissolved	-	-	mg/L	0.0145
Nickel (Ni)-Total	-	-	mg/L	0.015
Nitrate (NO ₃)-Dissolved	-	-	mg/L	0.3
Nitrite (NO ₂)-Dissolved	-	-	mg/L	0.008
Organic Carbon (C)-Dissolved	-	-	mg/L	10
Field Temperature	-	-	deg. C	12.2
Field pH	-	-	pH Units	6.39
pH	-	-	pH Units	6.39
Phosphorus (P)-Total	-	-	mg/L	0.0081
Potassium (K)-Dissolved	-	-	mg/L	1.52
Selenium (Se)-Dissolved	-	-	mg/L	0.00014
Selenium (Se)-Total	-	-	mg/L	0.00011
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000020
Sodium (Na)-Dissolved	-	-	mg/L	1.46
Strontium (Sr)-Dissolved	-	-	mg/L	0.0333
Strontium (Sr)-Total	-	-	mg/L	0.0339
Sulphate (SO ₄)-Dissolved	-	-	mg/L	28
Thallium (Tl)-Dissolved	-	-	mg/L	<0.000010
Thallium (Tl)-Total	-	-	mg/L	<0.000010
Total Dissolved Solids_Calculated	-	-	mg/L	67
Total Dissolved Solids_Measured	-	-	mg/L	110
Total Suspended Solids	-	-	mg/L	1.3
Turbidity	-	-	NTU	1.7
Un-ionized Ammonia	-	-	mg/L	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	<0.00010
Uranium (U)-Total	-	-	mg/L	<0.00010
Zinc (Zn)-Dissolved	-	-	mg/L	0.0052
Zinc (Zn)-Total	-	-	mg/L	<0.0050

Table B-10: BRP-20 Echo Tailings Facility

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	04-Jun-2026
				11:40:00
				BRP-20
				C633084
				EGF642
				Sample
Arsenic (As)-Total	-	-	mg/L	2.01
Conductivity	-	-	µS/cm	4760
Copper (Cu)-Total	-	-	mg/L	0.900
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	18.9
Field Temperature	-	-	deg. C	5.10
Lead (Pb)-Total	-	-	mg/L	0.00047
Nickel (Ni)-Total	-	-	mg/L	0.0208
pH	-	-	pH Units	7.40
pH-Field	-	-	pH	7.65
Radium 226	-	-	Bq/L	<0.0050
Total Suspended Solids	-	-	mg/L	8.5
Zinc (Zn)-Total	-	-	mg/L	<0.010

Table B-11: BRP-22 Echo WRSA Pond

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	04-Jun-2026
				10:35:00
				BRP-22
				C633086
				EGF646 Sample
Arsenic (As)-Total	-	-	mg/L	0.00231
Copper (Cu)-Total	-	-	mg/L	0.00451
Conductivity			µS/cm	144
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	0.00132
Lead (Pb)-Total	-	-	mg/L	<0.00020
Nickel (Ni)-Total	-	-	mg/L	0.0273
Field Temperature	-	-	deg. C	8.7
Field pH	-	-	pH Units	6.41
pH	-	-	pH Units	6.55
Radium 226	-	-	Bq/L	<0.0050
Total Suspended Solids	-	-	mg/L	1.3
Zinc (Zn)-Total	-	-	mg/L	<0.0050

Table B-12: BRP-23 Gander Pond Outflow

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	04-Jun-2026
				10:10:00
				BRP-23
				C633086
				EGF647
				Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	8.7
Aluminum (Al)-Dissolved	-	-	mg/L	0.0121
Aluminum (Al)-Total	-	-	mg/L	0.0426
Ammonia (N)-Total	-	-	mg/L	0.034
Arsenic (As)-Dissolved	-	-	mg/L	0.00061
Arsenic (As)-Total	-	-	mg/L	0.00052
Barium (Ba)-Dissolved	-	-	mg/L	0.0055
Barium (Ba)-Total	-	-	mg/L	0.0059
Cadmium (Cd)-Dissolved	-	-	mg/L	<0.000010
Cadmium (Cd)-Total	-	-	mg/L	<0.000010
Calcium (Ca)-Dissolved	-	-	mg/L	3.18
Chloride (Cl)-Dissolved	-	-	mg/L	0.89
Chromium (Cr)-Dissolved	-	-	mg/L	<0.0010
Chromium (Cr)-Total	-	-	mg/L	<0.0010
Conductivity	-	-	µS/cm	45.6
Copper (Cu)-Dissolved	-	-	mg/L	0.00133
Copper (Cu)-Total	-	-	mg/L	0.00111
Cyanide (CN)-Free	-	-	mg/L	<0.00050
Cyanide (CN)-Strong Acid Dissoc. Solid	-	-	mg/kg	<0.00050
Cyanide (CN)-Weak Acid Dissoc. Solid	-	-	mg/kg	<0.00050
Fluoride (F)	-	-	mg/L	0.023
Hardness (CaCO3)-Dissolved	-	-	mg/L	17.4
Hardness (CaCO3)-Total	-	-	mg/L	18.1
Iron (Fe)-Dissolved	-	-	mg/L	0.0876
Iron (Fe)-Total	-	-	mg/L	0.161
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020
Lead (Pb)-Total	-	-	mg/L	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	2.28
Manganese (Mn)-Dissolved	-	-	mg/L	0.0049
Manganese (Mn)-Total	-	-	mg/L	0.0057
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019
Mercury (Hg)-Total	-	-	mg/L	<0.0000019
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010
Nickel (Ni)-Dissolved	-	-	mg/L	0.0055
Nickel (Ni)-Total	-	-	mg/L	0.0034
Nitrate (NO3)-Dissolved	-	-	mg/L	0.42
Nitrite (NO2)-Dissolved	-	-	mg/L	0.004
Organic Carbon (C)-Dissolved	-	-	mg/L	4.2
Field Temperature	-	-	deg. C	5.7
Field pH	-	-	pH Units	6.76
pH	-	-	pH Units	6.43
Phosphorus (P)-Total	-	-	mg/L	0.051
Potassium (K)-Dissolved	-	-	mg/L	0.412
Selenium (Se)-Dissolved	-	-	mg/L	<0.00010
Selenium (Se)-Total	-	-	mg/L	<0.00010
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000020
Sodium (Na)-Dissolved	-	-	mg/L	0.813
Strontium (Sr)-Dissolved	-	-	mg/L	0.0114
Strontium (Sr)-Total	-	-	mg/L	0.0115
Sulphate (SO4)-Dissolved	-	-	mg/L	9.8
Thallium (Tl)-Dissolved	-	-	mg/L	<0.000010
Thallium (Tl)-Total	-	-	mg/L	<0.000010
Total Dissolved Solids_Calculated	-	-	mg/L	24
Total Dissolved Solids_Measured	-	-	mg/L	56
Total Suspended Solids	-	-	mg/L	6.1
Turbidity	-	-	NTU	0.14
Un-Ionized Ammonia	-	-	mg/L	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	<0.00010
Uranium (U)-Total	-	-	mg/L	<0.00010
Zinc (Zn)-Dissolved	-	-	mg/L	<0.0050
Zinc (Zn)-Total	-	-	mg/L	<0.0050

Table B-13: BRP-30 Goose Southeast Inflow

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	06-Jun-2026
				11:50:00
				BRP-30
				C633698
				EGJ881
				Sample
Alkalinity (PP as CaCO3)	-	-	mg/L	<0.50
Alkalinity (Total as CaCO3)	-	-	mg/L	7.90
Aluminum (Al)-Dissolved	-	-	mg/L	0.0445
Aluminum (Al)-Total	-	-	mg/L	0.0515
Ammonia (N)-Total	-	-	mg/L	0.0060
Arsenic (As)-Dissolved	-	-	mg/L	0.00060
Arsenic (As)-Total	-	-	mg/L	0.00064
Barium (Ba)-Dissolved	-	-	mg/L	0.0072
Barium (Ba)-Total	-	-	mg/L	0.0058
Cadmium (Cd)-Dissolved	-	-	mg/L	<0.000010
Cadmium (Cd)-Total	-	-	mg/L	0.000010
Calcium (Ca)-Dissolved	-	-	mg/L	2.66
Chloride (Cl)-Dissolved	-	-	mg/L	0.69
Chromium (Cr)-Dissolved	-	-	mg/L	<0.0010
Chromium (Cr)-Total	-	-	mg/L	<0.0010
Conductivity	-	-	µS/cm	34.5
Copper (Cu)-Dissolved	-	-	mg/L	0.00173
Copper (Cu)-Total	-	-	mg/L	0.00183
Cyanide (CN)-Free	-	-	mg/L	<0.00050
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	0.00057
Cyanide (CN)-Weak Acid Dissoc.	-	-	mg/L	<0.00050
Fluoride (F)	-	-	mg/L	0.024
Hardness (CaCO3)-Dissolved	-	-	mg/L	14.5
Hardness (CaCO3)-Total	-	-	mg/L	12.3
Iron (Fe)-Dissolved	-	-	mg/L	0.166
Iron (Fe)-Total	-	-	mg/L	0.211
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020
Lead (Pb)-Total	-	-	mg/L	<0.00020
Magnesium (Mg)-Dissolved	-	-	mg/L	1.90
Manganese (Mn)-Dissolved	-	-	mg/L	0.0014
Manganese (Mn)-Total	-	-	mg/L	0.0015
Mercury (Hg)-Dissolved	-	-	mg/L	0.0000022
Mercury (Hg)-Total	-	-	mg/L	0.0000029
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0010
Nickel (Ni)-Dissolved	-	-	mg/L	0.0048
Nickel (Ni)-Total	-	-	mg/L	0.0042
Nitrate (NO3)-Dissolved	-	-	mg/L	<0.013
Nitrite (NO2)-Dissolved	-	-	mg/L	<0.0033
Organic Carbon (C)-Dissolved	-	-	mg/L	8.5
pH	-	-	pH Units	6.56
Field pH	-	-	pH Units	6.87
Field Temperature	-	-	deg. C	5.6
Phosphorus (P)-Total	-	-	mg/L	0.0041
Potassium (K)-Dissolved	-	-	mg/L	0.375
Selenium (Se)-Dissolved	-	-	mg/L	0.00011
Selenium (Se)-Total	-	-	mg/L	<0.00010
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000020
Sodium (Na)-Dissolved	-	-	mg/L	1.10
Strontium (Sr)-Dissolved	-	-	mg/L	0.0102
Strontium (Sr)-Total	-	-	mg/L	0.0088
Sulphate (SO4)-Dissolved	-	-	mg/L	4.8
Thallium (Tl)-Dissolved	-	-	mg/L	<0.000010
Thallium (Tl)-Total	-	-	mg/L	<0.000010
Total Dissolved Solids_Calculated	-	-	mg/L	17
Total Dissolved Solids_Measured	-	-	mg/L	44
Total Suspended Solids	-	-	mg/L	1.0
Turbidity	-	-	NTU	0.25
Un-Ionized Ammonia	-	-	mg/L	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	<0.00010
Uranium (U)-Total	-	-	mg/L	<0.00010
Zinc (Zn)-Dissolved	-	-	mg/L	<0.0050
Zinc (Zn)-Total	-	-	mg/L	<0.0050

Table B-14: BRP-40 Bathurst Inlet Intake

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	01-Jun-2026
				07:45:00
				BRP-40
				C632143
				EGA781 Sample
Alkalinity (Total as CaCO ₃)	-	-	mg/L	38.0
Aluminum (Al)-Dissolved	-	-	mg/L	0.0659
Aluminum (Al)-Total	-	-	mg/L	2.13
Ammonia (N)-Total	-	-	mg/L	0.094
Arsenic (As)-Dissolved	-	-	mg/L	0.00089
Arsenic (As)-Total	-	-	mg/L	0.00098
Barium (Ba)-Dissolved	-	-	mg/L	0.0449
Barium (Ba)-Total	-	-	mg/L	0.0575
Cadmium (Cd)-Dissolved	-	-	mg/L	0.000032
Cadmium (Cd)-Total	-	-	mg/L	0.000050
Calcium (Ca)-Dissolved	-	-	mg/L	30.2
Chloride (Cl)-Dissolved	-	-	mg/L	940
Chromium (Cr)-Dissolved	-	-	mg/L	<0.0010
Chromium (Cr)-Total	-	-	mg/L	<0.0040
Conductivity	-	-	µS/cm	3340
Copper (Cu)-Dissolved	-	-	mg/L	0.0341
Copper (Cu)-Total	-	-	mg/L	0.0443
Cyanide (CN)-Free	-	-	mg/L	-
Cyanide (CN)-Strong Acid Dissoc.	-	-	mg/L	-
Cyanide (CN)-Weak Acid Dissoc.	-	-	mg/L	-
Fluoride (F)	-	-	mg/L	0.085
Hardness (CaCO ₃)-Total	-	-	mg/L	313
Iron (Fe)-Dissolved	-	-	mg/L	0.0704
Iron (Fe)-Total	-	-	mg/L	0.595
Lead (Pb)-Dissolved	-	-	mg/L	<0.00020
Lead (Pb)-Total	-	-	mg/L	<0.00080
Magnesium (Mg)-Dissolved	-	-	mg/L	66.2
Manganese (Mn)-Dissolved	-	-	mg/L	0.0136
Manganese (Mn)-Total	-	-	mg/L	0.0186
Mercury (Hg)-Dissolved	-	-	mg/L	<0.0000019
Mercury (Hg)-Total	-	-	mg/L	<0.0000019
Molybdenum (Mo)-Dissolved	-	-	mg/L	<0.0010
Molybdenum (Mo)-Total	-	-	mg/L	<0.0040
Nickel (Ni)-Dissolved	-	-	mg/L	<0.0010
Nickel (Ni)-Total	-	-	mg/L	<0.0040
Nitrate (NO ₃)	-	-	mg/L	0.36
Nitrite (NO ₂)	-	-	mg/L	0.0025
Organic Carbon (C)-Dissolved	-	-	mg/L	5.0
pH	-	-	pH Units	6.69
pH-Field	-	-	pH	7.34
Phosphorus (P)-Total	-	-	mg/L	0.10
Potassium (K)-Dissolved	-	-	mg/L	20.1
Selenium (Se)-Dissolved	-	-	mg/L	<0.00010
Selenium (Se)-Total	-	-	mg/L	<0.00040
Silver (Ag)-Dissolved	-	-	mg/L	<0.000020
Silver (Ag)-Total	-	-	mg/L	<0.000080
Sodium (Na)-Dissolved	-	-	mg/L	530
Strontium (Sr)-Dissolved	-	-	mg/L	0.373
Strontium (Sr)-Total	-	-	mg/L	0.374
Sulphate (SO ₄)-Dissolved	-	-	mg/L	140
Thallium (Tl)-Dissolved	-	-	mg/L	<0.000010
Thallium (Tl)-Total	-	-	mg/L	<0.000040
Total Dissolved Solids_Calculated	-	-	mg/L	1700
Total Dissolved Solids_Measured	-	-	mg/L	1800
Total Suspended Solids	-	-	mg/L	8.5
Turbidity	-	-	NTU	37
Un-Ionized Ammonia	-	-	mg/L	<0.00050
Uranium (U)-Dissolved	-	-	mg/L	0.00035
Uranium (U)-Total	-	-	mg/L	0.00051
Zinc (Zn)-Dissolved	-	-	mg/L	0.0554
Zinc (Zn)-Total	-	-	mg/L	0.053

Table B-15: BRP-41 Bathurst Inlet Discharge

Display Name	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	01-Jun-2026
				08:00:00
				BRP-41
				C632143
				EGA782 Sample
Aluminum (Al)-Total	-	-	mg/L	2.24
Arsenic (As)-Total	-	-	mg/L	0.00111
Barium (Ba)-Total	-	-	mg/L	0.0584
Cadmium (Cd)-Total	-	-	mg/L	<0.000040
Chromium (Cr)-Total	-	-	mg/L	<0.0040
Conductivity	-	-	µS/cm	3450
Copper (Cu)-Total	-	-	mg/L	0.0435
Field Temperature	-	-	deg. C	1.6
Iron (Fe)-Total	-	-	mg/L	0.585
Lead (Pb)-Total	-	-	mg/L	<0.00080
Manganese (Mn)-Total	-	-	mg/L	0.0179
Mercury (Hg)-Total	-	-	mg/L	<0.0000019
Molybdenum (Mo)-Total	-	-	mg/L	<0.0040
Nickel (Ni)-Total	-	-	mg/L	<0.0040
pH	-	-	pH Units	6.65
pH-Field	-	-	pH	7.35
Phosphorus (P)-Total	-	-	mg/L	0.12
Salinity (PSU)	-	-	psu	1.96
Selenium (Se)-Total	-	-	mg/L	<0.00040
Silver (Ag)-Total	-	-	mg/L	4.38
Strontium (Sr)-Total	-	-	mg/L	0.381
Thallium (Tl)-Total	-	-	mg/L	<0.000040
Total Oil and Grease	-	-	mg/L	<2.0
Total Suspended Solids	-	-	mg/L	8.7
Uranium (U)-Total	-	-	mg/L	0.00048
Zinc (Zn)-Total	-	-	mg/L	0.057

Table B-16: BRP-43 AKMLA Fuel Tank Farm

	Maximum Average Concentration	Maximum Authorized Concentration in a Grab Sample	Unit	01-Jun-2026
				13:55:00
				BRP-43
				C632123
				EGA555
				Sample
Ammonia (N)-Total	-	-	mg/L	0.015
Arsenic (As)-Total	-	-	mg/L	0.00369
Benzene	0.370	0.370	mg/L	<0.00040
Conductivity	-	-	µS/cm	212
Copper (Cu)-Total	-	-	mg/L	0.00599
Ethylbenzene	0.09	0.09	mg/L	<0.00040
Field Temperature		-	deg. C	12
Lead (Pb)-Total	0.1	0.1	mg/L	0.00343
Nickel (Ni)-Total	-	-	mg/L	0.0041
pH	6.0 to 9.5	6.0 to 9.5	pH Units	7.15
pH-Field	-	-	pH	8.3
Toluene	0.002	0.002	mg/L	<0.00040
Total Oil and Grease	5, No Visible Sheen	5, No Visible Sheen	mg/L	<2.0
Total Suspended Solids	15	30	mg/L	140*
Xylenes, total	-	-	µg/L	<0.00089
Zinc (Zn)-Total	-	-	mg/L	0.0468

NOTES:

* CIRNAC Regulators were notified of the sample results and B2Gold requested and obtained approval to use this water on engineered pads and roads for dust suppression.

APPENDIX C

WATER TOXICITY RESULTS



RESULTS OF *DAPHNIA MAGNA* SINGLE CONCENTRATION-100%

Client : 10600 B2Gold Back River Corp.
Client Project Name & Number: GOOSE LAKE, BACK RIVER MINE ACUTE TOXICITY

Job Number: C636051
Sample Number: EGY478-01

Test Result:

48 hrs Mortality % 0 Statistical Method:

Mean percent mortality: Sample 0 Control 0

Sample Name : BRP-01

Sample Matrix : Water

Description: Clear, colourless

Sample Prior to Analysis:

Sample Collected: Jun 15, 2026 03:00 PM

Sampling Method : N/A

pH: 6.8

Sample Collected By: Connor Grant

Site Collection: N/A

Temperature : 18 °C

Sample Received: Jun 16, 2026 12:30 PM

Volume Received: 1 L

Dissolved Oxygen: 10.0 mg/L

Analysis Start : Jun 18, 2026 12:23 PM

Avg Temp Arrival: 3 °C

Sample Conductance: 98 µS/cm

End : Jun 20, 2026 11:45 AM

Storage: 2-6°C

Hardness: 40 mg CaCO₃/L

Concentration	Temperature (°C)	pH (pH)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Mortality (#)	Mortality (%)	Immobility (#)	Immobility (%)	Temperature (°C)	pH (pH)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
% vol/vol	Start	Start	Start	Start	24 hrs	24 hrs	24 hrs	24 hrs	48 hrs	48 hr	48 hrs	48 hrs
0	19	8.1	427	8.6	0	0	0	0	19	8.3	426	8.3
0	19	8.2	429	8.5	0	0	0	0	19	8.3	427	8.3
0	19	8.2	430	8.5	0	0	0	0	19	8.3	429	8.2
100	18	7.8	101	9.9	0	0	0	0	20	7.7	113	8.2
100	18	7.6	96	9.9	0	0	0	0	20	7.6	105	8.1
100	18	7.5	97	10.0	0	0	0	0	19	7.4	102	8.1

Concentration	Mortality (#)	Mortality (%)	Immobility (#)	Immobility (%)
% vol/vol	48 hrs	48 hrs	48 hrs	48 hrs
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
100	0	0	0	0
100	0	0	0	0
100	0	0	0	0

Comments : None

Culture/Control/Dilution Water:

City of Edmonton dechlorinated tap water

Hardness:

200 mg/L CaCO₃

Other parameters available on request.

Test Conditions

Test concentration : 0,0,0,100,100,100 (% vol/vol)

Organisms per Vessel :

10

Pre-aeration Time :

30 min

Rate of Pre-aeration :

25-50 mL/(min*L)

Total # of Organisms Used :

60

Test Temperature :

20 ± 2 °C

Test Hardness Adjusted :

No

Test Volume :

150 mL

Vessel Volume :

200 mL

Test pH Adjusted:

No

Loading Density :

15.0 mL/Daphnia

Photoperiod :

16:8 (light: dark)

Test Organism :

Daphnia magna

Source : In House Culture

Age at Test Initiation :

<24 hrs

Average Brood Size :

31.5

Culture Photoperiod :

16:8 (light: dark)

% Mortality within 7 days :

0.0

Culture Temperature :

20 ± 2 °C

Time To First Brood :

8 Days

Culture Diet

Culture is fed algae: 800-1800uL; YCT: 200-800uL Daily. New cultures weekly, 63 daphnids distributed into 6 culture vessels and 3 reproductive vessels.



RESULTS OF *DAPHNIA MAGNA* SINGLE CONCENTRATION-100%

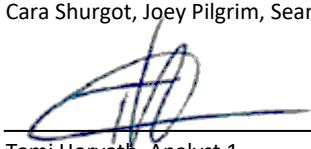
Client : 10600 B2Gold Back River Corp. **Job Number:** C636051
Client Project Name & Number: GOOSE LAKE, BACK RIVER MINE ACUTE TOXICITY **Sample Number:** EGY478-01

Reference chemical: Sodium Chloride **Test Date:** Jun 11, 2026
Test Endpoint 48 hrs LC50 (95% confidence interval) : 6.96 (5.70, 8.50)g/L **Statistical Method :** Binomial
Historical Mean LC50 (warning limits) : 6.59 (5.58, 7.79) g/L **Concentration :** 0,1.71,2.56,3.82,5.7,8.5 g/L

Test Method EPS 1/RM/14
Method Deviations: None

Note: The results contained in this report refer only to the testing of the sample submitted. Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation, including the toxicity parameters reported herein. The conductivity, dissolved oxygen and pH data contained within the toxicity report are provided for information purposes and are not individually accredited parameters. This report may not be reproduced, except in its entirety, without the written approval of the laboratory.

Analyst : Cara Shurgot, Joey Pilgrim, Sean Norris

Verified By : 
Tami Horvath, Analyst 1

Date: Jun 30, 2026 09:07 AM



RESULTS OF RAINBOW TROUT SINGLE CONCENTRATION-100%

Client : 10600 B2Gold Back River Corp.
Client Project Name & Number: GOOSE LAKE, BACK RIVER MINE ACUTE TOXICITY

Job Number: C636051

Test Result:

96 hrs Mortality % 0 Statistical Method: Visual

Sample Name : BRP-01

Description: Pale yellow, hazy

Sample Collected: Jun 15, 2026 03:00 PM **Sampling Method :** N/A

Sample Collected By: JW **Volume Received:** 20 L

Sample Received: Jun 16, 2026 12:30 PM **pH:** 7.3

Analysis Start : Jun 19, 2026 10:05 AM **Temperature :** 14 °C

Sample Matrix : Water

Sample Number: EGY478-02

Site Collection: N/A

Avg Temp Arrival: 3 °C **Storage:** 2-6 °C

Dissolved Oxygen: 10.5 mg/L

Sample Conductance: 106 µS/cm

Concentration	Temperature (°C)	pH (pH)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Mortality (#)	Mortality (%)	Atypical Behaviour (#)	Atypical Behaviour (%)	Mortality (#)	Mortality (%)	Atypical Behaviour (#)	Atypical Behaviour (%)
% vol/vol	Start	Start	Start	Start	24 hrs	24 hrs	24 hrs	24 hrs	48 hrs	48 hrs	48 hrs	48 hrs
0	14	7.6	434	9.6	0	0	0	0	0	0	0	0
100	14	7.8	106	9.8	0	0	0	0	0	0	0	0

Concentration	Mortality (#)	Mortality (%)	Atypical Behaviour (#)	Atypical Behaviour (%)	Temperature (°C)	pH (pH)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Mortality (#)	Mortality (%)	Atypical Behaviour (#)	Atypical Behaviour (%)
% vol/vol	72 hrs	72 hrs	72 hrs	72 hrs	96 hrs	96 hr	96 hrs	96 hrs	96 hrs	96 hrs	96 hrs	96 hrs
0	0	0	0	0	14	7.9	430	9.4	0	0	0	0
100	0	0	0	0	14	7.2	99	9.1	0	0	0	0

Comments : None

Culture/Control/Dilution Water

City of Edmonton dechlorinated tap water

Hardness:

200 mg/L CaCO₃

Other parameters available on request.

Test Conditions

Test concentration : 0,100 (% vol/vol)

Organisms per Vessel : 10 **Test Temperature :** 15 ± 1 °C **Solution Depth :** >15 cm

Total # of Organisms Used : 20 **Pre-aeration Time :** 120 min. **Rate of Aeration** 6.5±1 mL/ (min*L)

Test Volume : 20 L **Vessel Volume :** 38L **Test pH Adjusted:** No

Loading Density : 0.2 g/L **Photoperiod :** 16:8 (light: dark)

Test Organism : Rainbow Trout (*Oncorhynchus mykiss*) **Source :** LSL Trout Hatchery

Culture Temperature : 15 ± 2 °C **Weight (Mean) +- SD :** 0.3 ± 0.1 g **Length (Mean) +- SD :** 3.43 ± 0.29 cm

Culture Water Renewal : ≥ 1.0 L/min/kg fish **Weight (Range) :** 0.2 – 0.5 g **Length (Range) :** 2.80 – 3.90 cm

Culture Photoperiod : 16:8 (light: dark) **% Mortality within 7 days :** 0.9%

Feeding rate and frequency : daily: 1-5% biomass of trout. **Acclimation Time:** >14 days

Reference chemical:

Phenol

Test Date:

Jun 18, 2026

Test Endpoint 96 hrs LC50 (95% confidence interval) : 8.10 (<7.59, 9.02)mg/L

Statistical Method :

Probit

Historical Mean LC50 (warning limits) : 9.77 (7.20, 13.3) mg/L

Concentration : 0,7.59,9.15,11,13.3,16 mg/L

Test Method

EPS 1/RM/13

Method Deviations :

None

Note: The results contained in this report refer only to the testing of the sample submitted. Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation, including the toxicity parameters reported herein. The conductivity, dissolved oxygen and pH data contained within the toxicity report are provided for information purposes and are not individually accredited parameters. This report may not be reproduced, except in its entirety, without the written approval of the laboratory.



RESULTS OF RAINBOW TROUT SINGLE CONCENTRATION-100%

Client : 10600 B2Gold Back River Corp.
Client Project Name & Number: GOOSE LAKE, BACK RIVER MINE ACUTE TOXICITY

Job Number: C636051
Sample Number: EGY478-02

Analyst : Cara Shurgot, Joey Pilgrim, Kyle Monaghan, Morgan Svoboda, Natasha Anne Lloyd, Sean Norris

A handwritten signature in black ink, appearing to read "Kyle Monaghan", written over a horizontal line.

Verified By : Kyle Monaghan, Analyst 2

Date: Jul 02, 2026 02:25 PM