GOOSE PROJECT

OCTOBER 2025 MONTHLY MONITORING REPORT FOR WATER LICENCE 2AM-BRP1831

DATE
November 2025

REFERENCE
Version 1.0

GOOSE PROJECT

OCTOBER 2025 MONTHLY MONITORING REPORT FOR WATER LICENCE 2AM-BRP1831

Prepared by RainCoast Environmental Services Ltd.
for B2Gold Back River Corp.
Submitted to Nunavut Water Board

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EXECUTIVE SUMMARY – ENGLISH

This report presents B2Gold Back River Corp.'s (B2Gold Nunavut's) October 2025 Monthly Monitoring Report for Water Licence 2AM-BRP1831 (the Licence) issued by the Nunavut Water Board (NWB). As set out in Part I, Item 18 of the Licence, this report includes information on the following topics:

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

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ᑕᒫᓇ ᐅᓂᒃᑲᖅ ᐱᑎᑦᑎᓴᖅ B2Gold Back River Corp’s (B2Gold Nunavut's) ᑕᖅᑭᑕᒧᑦ ᖃᐅᔨᓴᑭᑎᓄᑦ ᐅᓂᒃᑲᑦ ᐅᑐᐱᓗ 2025 ᐱᓪᓗᒍ ᐃᒥᖏᒧᑦ ᐱᓴᒫᓇᐅᑎ 2AM-BRP1831 (ᓯᐃᓴᒃᓱ) ᑐᓂᓴᐅᓴᖅ ᓄᓇᕗᒻᒥ ᐃᒪᓕᓚᓵᑦ ᑲᑎᒪᔨᖏᒫᓄᑦ (NWB). ᓇᓗᓇᐃᖅᓱᒪᓴᖅ ᐃᓕᖓᓂᓂ I, ᓴᓴᐅᑎᓕᒃ 18 ᐱᓴᒫᓇᐅᑎᒥᒃ, ᑕᒫᓇ ᐅᓂᒃᑲᖅ ᐃᓕᐅᑎᑦᑎᓴᖅ ᓇᓗᓇᐃᔨᐅᑎᓂᒃ ᐊᑕᓐᓂᑦᑐᓂᒃ ᐱᔭᔪᑎᓂᑦ:

- ↵ ᑎᑎᖅᑲᓕᒫᑦ ᓇᓗᓇᐃᔨᖅᓱᒪᓴᓕᓗ ᐱᔨᑌᐊᓕᓂᑦ ᐃᓕᖓᓐᓄ I ᓴᖅᑭᑎᓕᓗᑦᓗ ᖃᐅᔨᓴᐃᐅᓇᓐᓂᕐᒧᑦ ᐱᓕᑌᐊᐅᕐᓴᖅ ᓇᓂᔨᐅᔪᑦ ᑎᑎᕆᖅᓱᒪᔪᓂ ᑎᑎᕆᖅᓱᒪᔪᖅ I ᓯᐃᓴᐅᓱᒥ;
- ↵ ᖃᐅᔨᓴᖅᑕᐅᓗᑎᒃ ᑎᑎᕆᖅᓱᒪᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᔪᐃᐃᑦ ᖃᐅᔨᓂᕐᒧᑦ ᐃᓂᐅᔪᓂᕐ ᒪᓕᖅᑭᑦᑐᐃᓇᓂᐅᑎᓪᓗᑦ ᐊᑐᐊᑕᑎᒍᑦ ᐊᓂᑎᑕᐅᓂᕐᒧᑦ ᑭᒃᓕᐅᔪᐅᔪᓂᑦ ᐃᓕᖓᑲ D-ᒥᑦ ᐊᖏᒪᓗ ᐃᓕᖓᑲ F-ᒥᑦ ᐱᔪᓐᓇᐅᑎᒥᑦ;
- ᐊᖏᒪᓗ ↵ ᑎᑎᕆᖅᑕᐅᓂᖅᑎᑦ ᖃᓄᐃᓐᓂᖅᑎᑦ ᐅᐱᕆᖅᑲᖓᑦ ᐊᐅᕆᑕᖅᑎᓪᓗᒍ, ᒪᕆᔨᖃᖅᑕᑎᓪᓗᒍ, ᐊᖏᒪᓗ ᐊᔨᓂᐅᔪᒥᑦ ᖃᐅᔨᔪᖅᑕᓂᕐᒥᑦ, ᐱᖃᔨᐅᑎᓗᑎᑦ ᔨᐃᓐᓂᖅᑎᑦ, ᐊᑦᓰᑦ, ᐊᖏᒪᓗ ᑎᑎᕆᖅᓱᒪᔪᑦ.

AULAPKAIYINI NAITTUQ – INUINNAQTUN

Una titiraq tunihimayuq Tattiarnaqhilirvia 2025 Tatqiqhiutini Munarinikkut Uniudjutit Imakkut Laisit 2AM-BRP1831, tuniyauyut hapkunanga Nunavunmi Imaliqiyiit Katimayiit, kivgaqtuqhugit ukua B2Gold Back River Corp. (B2Gold Nunavut). Uqautauyumi Ilangani I, Huna 18-mi Laisiuyumi, una unipkaaq piqaqtuq uqatiarutinik ukuniga uqautauyunik:

- Tamaita naunaipkutit hivuniqhijutilu atuquyauyut Ilangani I-mi hanayauhimayulu Munarinigagut Havaami naniyauyuq Naunaipkut Naunaipkut I-mi Laisiuyumi;
- Ihivriurninnga nampanik naunaiyariami humi ittut uumunnga maligatigut Anivikhaqmut kiklikhangit naunaiqhimayuq uumani Ilangani D unalu Ilangani F uumannga Laisinga; uvalu
- Titiraqhimayut qanuginiit atuqtilugu upingaami, angiyut nipahuknikkut hulidjutit, uvalu hivituqyuumiyut nipaluit titiraqtauhimayut aulanikkut aktilaangitigut, piksat, uvalu titiraqhimayut.

RESUME EXECUTIF – FRANÇAIS

Ce rapport présente le Rapport Mensuel de Suivi de B2Gold Back River Corp. (B2Gold Nunavut) de octobre 2025 pour le Permis de l'Eau 2AM-BRP1831 (le Permis) délivré par la Nunavut Water Board (NWB). Comme indiqué dans la Partie I, Article 18 du Permis, ce rapport comprend des informations sur les sujets suivants :

- Toutes les données et informations requises par la Partie I et générées par le Programme de Suivi dans les tableaux de l'Annexe I du Permis;
- Une évaluation des données pour identifier les zones de non-conformité avec les paramètres de Décharge réglementés mentionnés dans la Partie D et la Partie F du Permis ; et
- Documentation des conditions pendant la crue printanière, les événements de pluie majeure, et les périodes de précipitations soutenues, y compris des mesures de débit, des photographies et des notes.

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ACRONYMS AND ABBREVIATIONS

B2Gold Nunavut	B2Gold Back River Corporation
the Licence	Water Licence 2AM-BRP1831
MLA	Marine Laydown Area
The Goose Project	Encompasses the Goose Claims Group, Goose Mine, the WIR and the MLA
STP	Sewage Treatment Plant
WRSA	Waste Rock Storage Area

1. INTRODUCTION

The Goose Mine is a gold mine located within the western Kitikmeot Region of southwestern Nunavut. It is situated approximately 400 km southwest of Cambridge Bay, 95 km southeast of the southern end of Bathurst Inlet (Kingaok), and 520 km northeast of Yellowknife, Northwest Territories. The Mine is located predominantly within the Queen Maud Gulf Watershed (Nunavut Water Regulations, Schedule 4).

This report to the Nunavut Water Board was prepared to satisfy the requirement for a Monthly Monitoring Report for October 2025 for B2Gold Back River Corp.'s (B2Gold Nunavut's) Goose Mine in accordance with Part I, Item 18 of Water Licence 2AM-BRP1831 (the Licence).

As required by Part I, Items 16 and 17, all analyses are performed in an accredited laboratory according to ISO/IEC Standard 17025 and 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.

2. DATA AND INFORMATION REQUIRED BY PART I OF THE LICENCE

1. 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

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

2. 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 MLA 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

The volumes of water obtained from these sources is provided in Table 2-1.

Table 2-1 Volumes of Water Obtained at the Goose and MLA Properties this Month

Lake	Volume Used (m^3)
Big Lake	0
Goose Lake	48,357*
MLA Pond S1	0
MLA Pond S2	0
MLA Lake 3	0
MLA Lake 4	0
Llama Lake	14,799
Umwelt Lake	0
Other water bodies approved for dewatering	0

** Monthly volume calculated as [average daily process water use metered between Oct 15 and Oct 31 (period meter installed) x number of days in the month (31 days)] + metered monthly water use for other Goose Mine purposes.*

e. The volume of fresh Water obtained from each Water source for the Interconnection Winter Ice Road and Winter Ice Road Service/Emergency Camps

No water was obtained for the Winter Ice Road or Service/Emergency camps this month.

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

No reclaim water was obtained from these facilities for process Water at the process plant or alternative treatment system this month.

g. The estimated volume of Greywater and Sewage released to the environment and/or to the Tailings Storage Facility and Tailings Facilities

4,570 m^3 of treated effluent was released from the Goose Sewage Treatment Plan (STP) to the tundra this month. Estimated volumes of greywater released this month are presented in Table 2-2.

Table 2-2 Estimated Volumes of Greywater Released this Month

Location	Volume (m^3)	Destination
MLA Camp	1,116	Tundra
MLA Forward Camp	0	N/A
Goose Forward Camp	0	N/A

Note: Greywater for MLA Camp is estimated as 80% of dasalinated water produced this month (1,395 m^3). Greywater for the MLA and Goose forward camps is estimated as 100% of freshwater supplied.

h. The volume of sludge removed from the STP and the location and method of disposal

Approximately 30 m^3 of compressed, dewatered sludge was removed from the Goose STP and placed in the Echo Waste Rock Storage Area (WRSA) landfill this month.

i. The volume of Effluent discharged from Landfarms, Fuel Tank Farms, and Fuel Storage Facilities

A notification was submitted to the Inspector on October 6, 2025, outlining B2Gold Nunavut's plan to discharge approximately 25 m^3 of treated effluent from the Marine Laydown Area (MLA) Temporary Fuel Storage Facility instaberm MLA-IB1 this month. Pre-discharge water quality met the required effluent quality limits (see Table 3-1). Effluent was discharged to the adjacent pad allowing natural percolation through the berm to the tundra and avoiding scouring.

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

Approximately 48,482 m^3 of water was transferred from the Primary Water Pond to Echo Pit this month. No other Contact Water, WRSA Effluent, Ore Stockpile Effluent, or other Effluent/Water streams were pumped into the Primary Water Pond, Tailings Storage Facility, other Tailings Facilities, and/or transferred between ponds or facilities this month.

k. The volume of Effluent discharged at the Final Discharge Point

No effluent was discharged at the Final Discharge Point this month. Per Part F, Item 16 of the Licence, an Effluent Discharge Plan will be submitted to the Board at least 120 days prior to discharge of Effluent BRP-58 subject to Part F, Item 21 of the Licence.

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

a. Quantity of Waste placed within the Landfill(s) and Landfarm(s)

Approximately 742 m^3 of waste was placed in the Umwelt WRSA landfill this month (Cell #3). No material was placed in either the Goose (BRP-51) or MLA (BRP-44) landfarm this month; these facilities are not yet commissioned.

b. Quantity of Waste Rock placed into, and total stored at, each Waste Storage Area and other locations approved by the Board

Quantity of waste rock place and stored at each WRSA and other locations approved by the Board are presented in Table 2-3.

Table 2-3 Quantity of Waste Rock Placed and Stored

Location	Volume this Month (tonnes)	Cumulative Volume (tonnes)
Echo Pit WRSA	0	4,749,968
Umwelt Pit WRSA	832,961	2,413,569

c. Dry tonnes of tailings placed into, and stored at, the Tailings Storage Facility and Tailings Facilities

84,899 volume (m3) of tailings were placed into and stored in the Echo Tailings Storage Facility in the reporting month.

d. Quantity of ore stockpiled and ore processed through the processing plant

A total of 327,290 tonnes of ore was stockpiled, and 84,899 tonnes of ore was processed through the process plant this month.

4. Additional monitoring may be imposed by the Inspector

No additional monitoring has been imposed by the Inspector this month.

3. INFORMATION GENERATED BY THE MONITORING PROGRAM IN THE TABLES OF SCHEDULE I OF THE LICENCE

Table A-1 of Appendix A provides an overview of the monitoring stations, descriptions, and monitoring frequencies outlined in the Tables of Schedule I of the Licence, along with a summary of monitoring activities completed this month. Additional details relevant to this month, including any non-compliances, are provided below.

Water quality results for stations monitored this month are provided in Appendix B, including comparisons to station-specific effluent quality criteria where applicable.

BRP-02 Llama Lake

Approximately 14,799 m^3 of water was dewatered from Llama Lake from October 1 to October 5, 2025, when dewatering was stopped for the season. No water quality samples were collected or required at BRP-02 over this five-day dewatering period.

BRP-10 Primary Water Pond

One sample was collected from the Primary Water Pond on October 7, 2025. Results are available in Appendix B.

BRP-17 Goose Property Sewage Treatment Plant

The Goose Property STP discharges treated effluent to land in a manner to allow further over land treatment of the effluent prior to entering the freshwater receiving environment. Approximately 4,570 m^3 of treated sewage effluent was discharged to the tundra this month (Section 2.2g). Water was not available for sampling because of frozen conditions.

BRP-23 Gander Pond Outflow

One sample of non-contact water was collected from Gander Pond Outflow on October 7, 2025. Results are available in Appendix B.

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 was 48,356.6 m^3 (Section 2.2b).

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

One sample was collected from both BRP-40 and BRP-41 this month and results are provided in Appendix B. Desalination water sampling results are analyzed in the Marine Monitoring Report included in B2Gold Nunavut's Annual Reports to the Nunavut Impact Review Board.

BRP-42 MLA Greywater

Approximately 736 m^3 of greywater was discharged to the tundra from the MLA Camp this month (Section 2.2g). No flow or water was available for sampling downstream of the discharge point (i.e., at BRP-42) due to frozen conditions.

BRP-49 MLA Temporary Fuel Storage Facility

As described in Section 2.2i, approximately 25 m^3 of treated effluent was discharged from Temporary Fuel Storage Facility MLA-IB1 this month. Pre-discharge water quality met the effluent quality limits outlined in Part F, item 12 of the Licence (Table 3-1, Appendix B). Effluent was discharged to the adjacent pad allowing natural percolation through the berm to the tundra and preventing scouring of the tundra.

Table 3-1 Water Quality Data (Treated) for BRP-49-MLA-IB1 Compared to Effluent Quality Limits

Parameter	Unit	Effluent Quality Limit		3-October-2025
		Maximum Average Concentration	Maximum Concentration of Any Grab Sample	
pH	pH units	6 - 9.5	6 - 9.5	9.35 (field) 8.89 (lab)
Total Suspended Solids	mg/L	15	30	8.5
Total Oil and Grease	mg/L	5, no visible sheen	5, no visible sheen	<2, no visible sheen
Benzene	mg/L	0.370	0.370	<0.0004
Toluene	mg/L	0.002	0.002	<0.0004
Ethylbenzene	mg/L	0.09	0.09	<0.0004
Lead	mg/L	0.1	0.1	<0.0002

APPENDIX A MONITORING ACTIVITY OVERVIEW BY STATION

Table A-1 Monitoring Activity Overview by Station for this Month

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	N/A - no runoff observed this month (frozen conditions)
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	N/A - no seepage observed this month (frozen conditions)
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	N/A - dewatering activities from Llama Lake ended for the season on October 5, 2025; final sample collected in September
				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	
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	N/A - dewatering activities initiated in July and ended for the season on October 5, 2025; no samples required this month. See Section 3

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
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	N/A – dewatering activities initiated in July and concluded in August 2025
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
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	Facility commissioned in July; water is being collected and transferred to the mill; one sample collected this month. See Section 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

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
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	N/A - no sample collected in October due to frozen conditions
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 prior to the point of entry into freshwater)	Construction to Closure	A, F	Monthly	Active. See Section 3
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-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	N/A - no samples collected this month due to frozen conditions
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	N/A - no samples collected this month due to frozen conditions

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
					flow is present at the stations	
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	N/A – mine phase
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	N/A – mine phase
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 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. Flow metered continuously and monthly volume reported in Section 2.2(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

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
BRP-27	Verification Monitoring	Goose Main Tailings Facility (intake point for water treatment, represents pre- treatment water quality)	Operations Stage 3 to Closure	A, G	At Licensee's discretion	N/A – mine phase
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	N/A - not freshet
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 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 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	Prior to discharge or transfer of water	Active. See Section 3.
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
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

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
BRP-49	Regulated Monitoring	MLA Temporary Fuel Storage Facility (representative of collected water quality)	Construction	A, E	Prior to discharge or transfer of water	Active. See Section 3 and Appendix B.
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 treatment facility; no discharge to the receiving environment Post-treatment quality to confirm treatment efficiency)	Operations to Closure	A, G	At Licensee's discretion	N/A – facility not commissioned
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

Monitoring Program Station	Monitoring Type	Description	Mine Phase	Group Code*	Frequency	Monitoring Activity
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	N/A - no water withdrawn this month

Note:

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

APPENDIX B WATER QUALITY ANALYTICAL RESULTS

Table B-1 Water Quality Data for the Primary Water Pond, Site BRP-10, October 2025

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			14:30:00
Station			BRP-10
Lab Job Number			C585098
Sample ID			DUQ953
Parameter			
1,1-dichloroethane	0.5	ug/L	<0.5
1,1-dichloroethene	0.5	ug/L	<0.5
1,1,1-trichloroethane	0.5	ug/L	<0.5
1,1,1,2-tetrachloroethane	1	ug/L	<1
1,1,2-trichloroethane	0.5	ug/L	<0.5
1,1,2,2-tetrachloroethane	2	ug/L	<2
1,2-dibromoethane	0.2	ug/L	<0.2
1,2-dichlorobenzene	0.5	ug/L	<0.5
1,2-dichloroethane	0.5	ug/L	<0.5
1,2-dichloropropane	0.5	ug/L	<0.5
1,2,3-trichlorobenzene	1	ug/L	<1
1,2,4-trichlorobenzene	1	ug/L	<1
1,2,4-trimethylbenzene	0.5	ug/L	<0.5
1,3-dichlorobenzene	0.5	ug/L	<0.5
1,3,5-trichlorobenzene	0.5	ug/L	<0.5
1,3,5-trimethylbenzene	0.5	ug/L	<0.5
1,4-dichlorobenzene	0.5	ug/L	<0.5
Alkalinity (PP as CaCO3)	0.5	mg/L	<0.5
Alkalinity (Total as CaCO3)	0.5	mg/L	48.5
Aluminum (Al)-Dissolved	0.003	mg/L	0.0166
Aluminum (Al)-Total	0.003	mg/L	0.069
Ammonia (N)-Total	0.005	mg/L	1.3
Antimony (Sb)-Dissolved	0.0005	mg/L	<0.0005
Antimony (Sb)-Total	0.0005	mg/L	<0.0005
Arsenic (As)-Dissolved	0.0001	mg/L	0.00315
Arsenic (As)-Total	0.0001	mg/L	0.00346
Barium (Ba)-Dissolved	0.001	mg/L	0.0305
Barium (Ba)-Total	0.001	mg/L	0.0351

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			14:30:00
Station			BRP-10
Lab Job Number			C585098
Sample ID			DUQ953
Parameter			
Benzene	0.0004	mg/L	0.0004
Beryllium (Be)-Dissolved	0.0001	mg/L	0.0001
Beryllium (Be)-Total	0.0001	mg/L	0.0001
Bicarbonate (HCO3)	0.5	mg/L	59.2
Bismuth (Bi)-Dissolved	0.001	mg/L	0.001
Bismuth (Bi)-Total	0.001	mg/L	0.001
Boron (B)-Dissolved	0.05	mg/L	0.05
Boron (B)-Total	0.05	mg/L	0.05
Bromodichloromethane	0.5	µg/L	0.5
Bromoform	0.5	µg/L	0.5
Bromomethane	2	ug/L	2
Cadmium (Cd)-Dissolved	0.00001	mg/L	0.000013
Cadmium (Cd)-Total	0.00001	mg/L	0.000013
Calcium (Ca)-Dissolved	0.05	mg/L	23.5
Calcium (Ca)-Total	0.05	mg/L	26.5
Carbon tetrachloride	0.5	µg/L	0.5
Carbonate (CO3)	0.5	mg/L	0.5
Chloride (Cl)-Dissolved	0.5	mg/L	33
Chlorobenzene	0.5	µg/L	0.5
Chloroethane	1	µg/L	1
Chloroform	0.5	µg/L	0.5
Chloromethane	2	µg/L	2
Chromium (Cr)-Dissolved	0.001	mg/L	0.001
Chromium (Cr)-Total	0.001	mg/L	0.001
cis-1,2-dichloroethene	0.5	ug/L	0.5
cis-1,3-dichloropropene	0.5	ug/L	0.5
Cobalt (Co)-Dissolved	0.0002	mg/L	0.00187
Cobalt (Co)-Total	0.0002	mg/L	0.00198
Conductivity	1	µS/cm	368
Copper (Cu)-Dissolved	0.0002	mg/L	0.00456
Copper (Cu)-Total	0.0005	mg/L	0.00471
Cyanide (CN)-Strong Acid Dissoc.	0.0005	mg/L	0.00403

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			14:30:00
Station			BRP-10
Lab Job Number			C585098
Sample ID			DUQ953
Parameter			
Cyanide (CN)-Weak Acid Dissoc.	0.0005	mg/L	0.00246
Dibromochloromethane	1	µg/L	1
Dichloromethane	2	µg/L	2
Ethylbenzene	0.0004	mg/L	0.0004
F1 (C6-C10)	100	µg/L	100
F1 (C6-C10) - BTEX	0.1	mg/L	0.1
Field Temperature	-	deg. C	2.3
Fluoride (F)	0.01	mg/L	0.053
Hardness (CaCO3)-Dissolved	0.5	mg/L	144
Hardness (CaCO3)-Total	0.5	mg/L	161
Hydroxide (OH)	0.5	mg/L	0.5
Iron (Fe)-Dissolved	0.005	mg/L	0.574
Iron (Fe)-Total	0.01	mg/L	0.778
Lead (Pb)-Dissolved	0.0002	mg/L	0.0002
Lead (Pb)-Total	0.0002	mg/L	0.00024
Lithium (Li)-Dissolved	0.002	mg/L	0.0043
Lithium (Li)-Total	0.002	mg/L	0.0068
Magnesium (Mg)-Dissolved	0.05	mg/L	20.8
Magnesium (Mg)-Total	0.05	mg/L	22.9
Manganese (Mn)-Dissolved	0.001	mg/L	0.034
Manganese (Mn)-Total	0.001	mg/L	0.0432
Mercury (Hg)-Dissolved	0.0000019	mg/L	0.0000019
Mercury (Hg)-Total	0.0000019	mg/L	0.0000029
Methyl methacrylate	0.5	ug/L	0.5
Methyl-tert-butyl ether (MTBE)	0.5	ug/L	0.5
Molybdenum (Mo)-Dissolved	0.001	mg/L	0.001
Molybdenum (Mo)-Total	0.001	mg/L	0.001
Nickel (Ni)-Dissolved	0.001	mg/L	0.0116
Nickel (Ni)-Total	0.001	mg/L	0.0111
Nitrate (as N)	0.2	mg/L	4.9
Nitrate (NO3)-Dissolved	0.89	mg/L	22
Nitrate plus Nitrite (N)	0.2	mg/L	5

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			14:30:00
Station			BRP-10
Lab Job Number			C585098
Sample ID			DUQ953
Parameter			
Nitrite (as N)	0.001	mg/L	0.078
Nitrite (NO2)-Dissolved	0.0033	mg/L	0.26
Nitrogen (N)-Total	0.1	mg/L	7.3
Organic Carbon (C)-Dissolved	0.2	mg/L	12
Organic Carbon (C)-Total	0.2	mg/L	13
pH	-	pH Units	6.41
pH-Field	-	pH	7.57
Phosphorus (P)-Total	0.001	mg/L	0.035
Potassium (K)-Dissolved	0.05	mg/L	8.4
Potassium (K)-Total	0.05	mg/L	9.41
Redox Potential-Field	-	mV	184
Selenium (Se)-Dissolved	0.0001	mg/L	0.0005
Selenium (Se)-Total	0.0001	mg/L	0.00055
Silica-Reactive	0.05	mg/L	0.05
Silicon (Si)-Dissolved	0.1	mg/L	0.1
Silicon (Si)-Total	0.1	mg/L	0.16
Silver (Ag)-Dissolved	0.00002	mg/L	0.00002
Silver (Ag)-Total	0.00002	mg/L	0.00002
Sodium (Na)-Dissolved	0.05	mg/L	4.93
Sodium (Na)-Total	0.05	mg/L	5.39
Specific Conductivity-Field	-	µS/cm	413.7
Strontium (Sr)-Dissolved	0.001	mg/L	0.0753
Strontium (Sr)-Total	0.001	mg/L	0.0783
Styrene	0.5	µg/L	0.5
Sulphate (SO4)-Dissolved	0.5	mg/L	78
Sulphide-Total	0.0018	mg/L	0.0057
Sulphur (S)-Dissolved	3	mg/L	20.7
Sulphur (S)-Total	3	mg/L	24.5
Tetrachloroethene	0.5	ug/L	0.5
Thallium (Tl)-Dissolved	0.00001	mg/L	0.000011
Thallium (Tl)-Total	0.00001	mg/L	0.000013
Tin (Sn)-Dissolved	0.005	mg/L	0.005

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			**14:30:00**
Station			**BRP-10**
Lab Job Number			**C585098**
Sample ID			**DUQ953**
Parameter			
Tin (Sn)-Total	0.005	mg/L	0.005
Titanium (Ti)-Dissolved	0.005	mg/L	0.005
Titanium (Ti)-Total	0.005	mg/L	0.005
Toluene	0.0004	mg/L	0.0004
Total Dissolved Solids_Calculated	10	mg/L	220
Total Dissolved Solids_Measured	10	mg/L	200
Total Kjeldahl Nitrogen (Calc)-Total	0.2	mg/L	2.3
Total Oil and Grease	2	mg/L	2
Total Suspended Solids	0.97	mg/L	6.3
Total Trihalomethanes	1.3	ug/L	1.3
trans-1,2-dichloroethene	0.5	ug/L	0.5
trans-1,3-dichloropropene	0.5	ug/L	0.5
Trichloroethene	0.2	ug/L	0.2
Trichlorofluoromethane	0.5	µg/L	0.5
Turbidity	0.1	NTU	6.5
Un-Ionized Ammonia	0.0005	mg/L	0.0048
Uranium (U)-Dissolved	0.0001	mg/L	0.00036
Uranium (U)-Total	0.0001	mg/L	0.00037
Vanadium (V)-Dissolved	0.005	mg/L	0.005
Vanadium (V)-Total	0.005	mg/L	0.005
Vinyl chloride	0.5	µg/L	0.5
Xylene, m+p-_Concentration	0.0008	mg/L	0.0008
Xylene, o-_Concentration	0.0004	mg/L	0.0004
Xylenes, total	0.89	µg/L	0.89
Zinc (Zn)-Dissolved	0.005	mg/L	0.005
Zinc (Zn)-Total	0.005	mg/L	0.005
Zirconium (Zr)-Dissolved	0.0001	mg/L	0.00022
Zirconium (Zr)-Total	0.0001	mg/L	0.00021

Note:

Underlined values were equal or below the detection limit. Values are shown as the detection limit.

Table B-2 Water Quality Data for Gander Pond Outflow, Site BRP-23, October 2025

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			**05:30:00**
Station			**BRP-23**
Lab Job Number			**C585071**
Sample ID			**DUQ678**
Parameter			
Alkalinity (PP as CaCO3)	0.5	mg/L	0.5
Alkalinity (Total as CaCO3)	0.5	mg/L	25.1
Aluminum (Al)-Dissolved	0.003	mg/L	0.0228
Aluminum (Al)-Total	0.003	mg/L	0.043
Ammonia (N)-Total	0.005	mg/L	0.15
Antimony (Sb)-Dissolved	0.0005	mg/L	0.0005
Antimony (Sb)-Total	0.0005	mg/L	0.0005
Arsenic (As)-Dissolved	0.0001	mg/L	0.00031
Arsenic (As)-Total	0.0001	mg/L	0.00042
Barium (Ba)-Dissolved	0.001	mg/L	0.014
Barium (Ba)-Total	0.001	mg/L	0.0159
Beryllium (Be)-Dissolved	0.0001	mg/L	0.0001
Beryllium (Be)-Total	0.0001	mg/L	0.0001
Bicarbonate (HCO3)	0.5	mg/L	30.6
Bismuth (Bi)-Dissolved	0.001	mg/L	0.001
Bismuth (Bi)-Total	0.001	mg/L	0.001
Boron (B)-Dissolved	0.05	mg/L	0.05
Boron (B)-Total	0.05	mg/L	0.05
Cadmium (Cd)-Dissolved	0.00001	mg/L	0.000014
Cadmium (Cd)-Total	0.00001	mg/L	0.000024
Calcium (Ca)-Dissolved	0.05	mg/L	7.93
Calcium (Ca)-Total	0.05	mg/L	9.35
Carbonate (CO3)	0.5	mg/L	0.5
Chloride (Cl)-Dissolved	0.5	mg/L	9.2
Chromium (Cr)-Dissolved	0.001	mg/L	0.001
Chromium (Cr)-Total	0.001	mg/L	0.001
Cobalt (Co)-Dissolved	0.0002	mg/L	0.0017
Cobalt (Co)-Total	0.0002	mg/L	0.00175
Conductivity	1	µS/cm	120
Copper (Cu)-Dissolved	0.0002	mg/L	0.00131
Copper (Cu)-Total	0.0005	mg/L	0.00137

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			05:30:00
Station			BRP-23
Lab Job Number			C585071
Sample ID			DUQ678
Parameter			
Cyanide (CN)-Free	0.0005	mg/L	0.0005
Cyanide (CN)-Strong Acid Dissoc.	0.0005	mg/L	0.0005
Cyanide (CN)-Weak Acid Dissoc.	0.0005	mg/L	0.0005
Field Temperature	-	deg. C	3.5
Fluoride (F)	0.01	mg/L	0.011
Hardness (CaCO3)-Dissolved	0.5	mg/L	38.7
Hardness (CaCO3)-Total	0.5	mg/L	44.8
Hydroxide (OH)	0.5	mg/L	0.5
Iron (Fe)-Dissolved	0.005	mg/L	0.141
Iron (Fe)-Total	0.01	mg/L	0.223
Lead (Pb)-Dissolved	0.0002	mg/L	0.0002
Lead (Pb)-Total	0.0002	mg/L	0.0002
Lithium (Li)-Dissolved	0.002	mg/L	0.002
Lithium (Li)-Total	0.002	mg/L	0.002
Magnesium (Mg)-Dissolved	0.05	mg/L	4.6
Magnesium (Mg)-Total	0.05	mg/L	5.2
Manganese (Mn)-Dissolved	0.001	mg/L	0.0367
Manganese (Mn)-Total	0.001	mg/L	0.0377
Mercury (Hg)-Dissolved	0.0000019	mg/L	0.0000019
Mercury (Hg)-Total	0.0000019	mg/L	0.0000019
Molybdenum (Mo)-Dissolved	0.001	mg/L	0.001
Molybdenum (Mo)-Total	0.001	mg/L	0.001
Nickel (Ni)-Dissolved	0.001	mg/L	0.0053
Nickel (Ni)-Total	0.001	mg/L	0.0052
Nitrate (as N)	0.04	mg/L	0.44
Nitrate (NO3)-Dissolved	0.18	mg/L	1.9
Nitrate plus Nitrite (N)	0.04	mg/L	0.44
Nitrite (as N)	0.001	mg/L	0.001
Nitrite (NO2)-Dissolved	0.0033	mg/L	0.0033
Nitrogen (N)-Total	0.02	mg/L	0.98
Organic Carbon (C)-Dissolved	0.2	mg/L	5.3
Organic Carbon (C)-Total	0.2	mg/L	4.9

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			05:30:00
Station			BRP-23
Lab Job Number			C585071
Sample ID			DUQ678
Parameter			
pH	-	pH Units	6.12
pH-Field	-	pH	7.02
Phosphorus (P)-Total	0.001	mg/L	0.0038
Potassium (K)-Dissolved	0.05	mg/L	0.602
Potassium (K)-Total	0.05	mg/L	0.665
Redox Potential-Field	-	mV	249
Selenium (Se)-Dissolved	0.0001	mg/L	0.0001
Selenium (Se)-Total	0.0001	mg/L	0.0001
Silica-Reactive	0.05	mg/L	1.8
Silicon (Si)-Dissolved	0.1	mg/L	0.71
Silicon (Si)-Total	0.1	mg/L	0.96
Silver (Ag)-Dissolved	0.00002	mg/L	0.00002
Silver (Ag)-Total	0.00002	mg/L	0.00002
Sodium (Na)-Dissolved	0.05	mg/L	1.43
Sodium (Na)-Total	0.05	mg/L	1.45
Specific Conductivity-Field	-	µS/cm	111.6
Strontium (Sr)-Dissolved	0.001	mg/L	0.0258
Strontium (Sr)-Total	0.001	mg/L	0.0281
Sulphate (SO4)-Dissolved	0.5	mg/L	19
Sulphide-Total	0.0018	mg/L	0.0025
Sulphur (S)-Dissolved	3	mg/L	5.7
Sulphur (S)-Total	3	mg/L	6.9
Thallium (Tl)-Dissolved	0.00001	mg/L	0.00001
Thallium (Tl)-Total	0.00001	mg/L	0.00001
Tin (Sn)-Dissolved	0.005	mg/L	0.005
Tin (Sn)-Total	0.005	mg/L	0.005
Titanium (Ti)-Dissolved	0.005	mg/L	0.005
Titanium (Ti)-Total	0.005	mg/L	0.005
Total Dissolved Solids_Calculated	10	mg/L	62
Total Dissolved Solids_Measured	10	mg/L	52
Total Kjeldahl Nitrogen (Calc)-Total	0.04	mg/L	0.54
Total Suspended Solids	1	mg/L	1

Date	Lowest Detection Limit	Unit	07-Oct-2025
Time			**05:30:00**
Station			**BRP-23**
Lab Job Number			**C585071**
Sample ID			**DUQ678**
Parameter			
Turbidity	0.1	NTU	1.7
Un-Ionized Ammonia	0.0005	mg/L	0.0005
Uranium (U)-Dissolved	0.0001	mg/L	0.0001
Uranium (U)-Total	0.0001	mg/L	0.0001
Vanadium (V)-Dissolved	0.005	mg/L	0.005
Vanadium (V)-Total	0.005	mg/L	0.005
Zinc (Zn)-Dissolved	0.005	mg/L	0.005
Zinc (Zn)-Total	0.005	mg/L	0.005
Zirconium (Zr)-Dissolved	0.0001	mg/L	0.00012
Zirconium (Zr)-Total	0.0001	mg/L	0.00012

Note:

Underlined values were equal or below the detection limit. Values are shown as the detection limit.

Table B-3 Water Quality Data for MLA Bathurst Inlet Desalination Intake and Discharge, Sites BRP-40 and BRP-41, October 2025

Date	Lowest Detection Limit	Unit	07-Oct-2025	07-Oct-2025
Time			**07:10:00**	**07:20:00**
Station			**BRP-40**	**BRP-41**
Lab Job Number			**C584581**	**C584581**
Sample ID			**DUN594**	**DUN595**
Parameter				
Alkalinity (PP as CaCO3)	1	mg/L	1	1
Alkalinity (Total as CaCO3)	1	mg/L	90	95
Bicarbonate (HCO3)	1	mg/L	110	120
Carbonate (CO3)	1	mg/L	1	1
Chloride (Cl)-Dissolved	100	mg/L	10000	11000
Conductivity	2	µS/cm	32000	35000
Field Temperature	-	deg. C	3.7	5.2
Fluoride (F)-Dissolved	0.05	mg/L	0.54	0.59
Hydroxide (OH)	1	mg/L	1	1
pH	-	pH Units	7.71	7.63
pH-Field	-	pH	7.72	7.77
Redox Potential-Field	-	mV	434	402
Salinity_Percentage	1	%	1	1
Sulphate (SO4)-Dissolved	13	mg/L	1500	1600
Total Dissolved Solids_Measured	17	mg/L		
Total Suspended Solids	0.99	mg/L	22	1.5
Turbidity	0.1	NTU	1.9	1.6

Note:
Underlined values were equal or below the detection limit. Values are shown as the detection limit.

Table B-4 Water Quality Data for BRP-49 MLA Instaberm MLA-IB1, October 2025

Date	Lowest Detection Limit	Unit	03-Oct-2025
Time			**08:15:00**
Station			**MLA-IB1-TREATED**
Lab Job Number			**C583539**
Sample ID			**DUF534**
Parameter			
Alkalinity (PP as CaCO3)	0.5	mg/L	45.5
Alkalinity (Total as CaCO3)	0.5	mg/L	126
Aluminum (Al)-Total	0.003	mg/L	1.14
Ammonia (N)-Total	0.005	mg/L	0.015
Antimony (Sb)-Total	0.0005	mg/L	0.00546
Arsenic (As)-Total	0.0001	mg/L	0.0157
Barium (Ba)-Total	0.001	mg/L	0.227
Benzene	0.0004	mg/L	0.0004
Beryllium (Be)-Total	0.0001	mg/L	0.0001
Bicarbonate (HCO3)	0.5	mg/L	43.3
Bismuth (Bi)-Total	0.001	mg/L	0.001
Boron (B)-Total	0.05	mg/L	0.168
Cadmium (Cd)-Total	0.00001	mg/L	0.00001
Calcium (Ca)-Total	0.05	mg/L	45
Carbonate (CO3)	0.5	mg/L	54.6
Chloride (Cl)-Dissolved	2.5	mg/L	300
Chromium (Cr)-Total	0.001	mg/L	0.001
Cobalt (Co)-Total	0.0002	mg/L	0.0002
Conductivity	1	µS/cm	1530
Copper (Cu)-Total	0.0005	mg/L	0.0005
Ethylbenzene	0.0004	mg/L	0.0004
F1 (C6-C10)	100	µg/L	100
F1 (C6-C10) - BTEX	0.1	mg/L	0.1
Field Temperature	-	deg. C	6.8
Fluoride (F)	0.01	mg/L	0.205
Hardness (CaCO3)-Total	0.5	mg/L	206
Hydroxide (OH)	0.5	mg/L	0.5
Iron (Fe)-Total	0.01	mg/L	0.049

Date	Lowest Detection Limit	Unit	03-Oct-2025
Time			08:15:00
Station			MLA-IB1-TREATED
Lab Job Number			C583539
Sample ID			DUF534
Parameter			
Lead (Pb)-Total	0.0002	mg/L	0.0002
Lithium (Li)-Total	0.002	mg/L	0.0195
Magnesium (Mg)-Total	0.05	mg/L	22.7
Manganese (Mn)-Total	0.001	mg/L	0.0157
Molybdenum (Mo)-Total	0.001	mg/L	0.0444
Nickel (Ni)-Total	0.001	mg/L	0.001
pH	-	pH Units	8.89
pH-Field	-	pH	9.35
Potassium (K)-Total	0.05	mg/L	17.7
Redox Potential-Field	-	mV	16.1
Selenium (Se)-Total	0.0001	mg/L	0.0008
Silicon (Si)-Total	0.1	mg/L	1.43
Silver (Ag)-Total	0.00002	mg/L	0.00002
Sodium (Na)-Total	0.05	mg/L	217
Strontium (Sr)-Total	0.001	mg/L	0.505
Sulphate (SO4)-Dissolved	2.5	mg/L	140
Sulphur (S)-Total	3	mg/L	52
Thallium (Tl)-Total	0.00001	mg/L	0.00001
Tin (Sn)-Total	0.005	mg/L	0.005
Titanium (Ti)-Total	0.005	mg/L	0.005
Toluene	0.0004	mg/L	0.0004
Total Dissolved Solids_Measured	10	mg/L	780
Total Oil and Grease	2	mg/L	2
Total Suspended Solids	1	mg/L	8.5
Turbidity	0.1	NTU	2.7
Un-Ionized Ammonia	0.0012	mg/L	0.0038
Uranium (U)-Total	0.0001	mg/L	0.00433
Vanadium (V)-Total	0.005	mg/L	0.0278
Xylene, m+p-_Concentration	0.0008	mg/L	0.0008

Date	Lowest Detection Limit	Unit	03-Oct-2025
Time			**08:15:00**
Station			**MLA-IB1-TREATED**
Lab Job Number			**C583539**
Sample ID			**DUF534**
Parameter			
Xylene, o-_Concentration	0.0004	mg/L	0.0004
Xylenes, total	0.89	µg/L	0.89
Zinc (Zn)-Total	0.005	mg/L	0.005
Zirconium (Zr)-Total	0.0001	mg/L	0.0001

Note:
Underlined values were equal or below the detection limit. Values are shown as the detection limit.