



BACK RIVER GOLD MINE PROJECT 2025 WATER LICENSE ANNUAL REPORT: COMMENT RESPONSE

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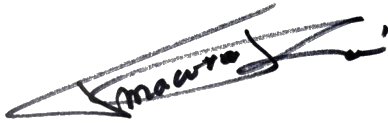
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BACK RIVER GOLD MINE PROJECT

2025 ANNUAL REPORT:

RESPONSES TO REVIEW COMMENTS

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Macoura Koné, Ph.D., P.Geol., P.Geo.

Manager, Environment

B2Gold Nunavut

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1. CIRNAC

B2Gold Nunavut acknowledges comments from Crown Indigenous Relations and Northern Affairs Canada (CIRNAC)/Relations Couronne-Autochtones et Affaires du Nord Canada (RCAANC) and has provided the requested information in the following sections.

1.1 CIRNAC #1 STREAM/LAKE WATER QUALITY – INCREASING SITE WATER QUALITY EXCEEDANCES

CIRNAC Comment

- CIRNAC notes that as indicated in the Executive summary of Appendix I (pages iii and iv), *“In 2025, four water quality sampling programs were conducted for the Project: one during under-ice conditions (April) and three in open-water conditions (July, August, and September). Water samples and field measurements were collected from two areas in Goose Lake (West Bay and Central Basin) and one area in Reference B Lake. The dewatering discharge to Goose Lake West Bay occurred from mid-July to late-August.*
- *An investigation was initiated in June 2025 in response to the observed changes in Goose Lake water quality that were reported in the 2024 annual report (WSP 2025b). The results of the water quality investigation were analyzed as part of this AEMP report to identify factors from the Project that may have contributed to the increase in nitrate, nitrite, and total and dissolved cobalt concentrations in Goose Lake. This investigation used parameter concentrations as an indicator of potential sources.*
- *The results suggest that the inflow from Llama and Umwelt Lakes and the inflow from Echo Lake contributed large concentrations of nitrate and cobalt parameters after September 2023. Other sources or processes at play are also likely, especially for nitrites. Contact water, seepage, and/or runoff flowing into these streams appear to be the source of increased parameter concentrations in Goose Lake in 2024 and 2025. Recommended mitigation options are to improve water management, dust control at site, and increase monitoring in 2026. These actions have the objective of mitigating future inputs into Goose Lake with the potential to reverse the changes to water quality identified in Goose Lake in 2024 and 2025”.*
- CIRNAC appreciates B2Gold Nunavut's efforts to determine the possible source(s) of lake and stream contamination in the mine footprint area and implement further mitigation measures as may be required to address this developing concern. However, it is understood that B2Gold Nunavut is currently using ANFO (Ammonium Nitrate Fuel Oil) for approximately two thirds of its annual explosives needs (1,745,501 kg), compared with 801,924 kg of emulsion explosives. Air emissions from the use of ANFO are known to be a significant source of nitrates, nitrites, and other waste products. These are likely contributors to the progressively increasing concentrations of these contaminants found in the mine area streams and lakes.

- **Recommendation:** (R-01) CIRNAC recommends that additional mitigation measures be implemented to further improve water management during extreme precipitation events, improve dust control at site, and increase water quality monitoring in 2026. Efforts to ensure complete and full combustion of explosives used on site to prevent the transport of waste nitrates and nitrites from the blast should be undertaken and a report prepared for within 90 days to detail what has been done and what monitoring will be put in place to address the issue. CIRNAC also recommends that B2Gold Nunavut consider reducing its use of ANFO and increasing its use of emulsion explosives, which offer enhanced performance in wet conditions, greater stability, more complete combustion, and reductions in the release of contaminants to the receiving environment.

B2Gold Response

- B2Gold Nunavut acknowledges the comment and would like to let CIRNAC know that an emulsion plant is currently under construction to enhance performance and reduce the use of ANFO. This will reduce potential release of residual chemicals (e.g., nitrate and nitrite) to the receiving environment and improve water quality. B2Gold will provide updates when construction of the emulsion plant is completed and operational.
- B2Gold Nunavut is also implementing additional mitigation measures (e.g., erosion and sediment control, dust suppression and control) to improve water management and quality. Engineered water management structures are also being contemplated to effectively manage contact water.

1.2 CIRNAC #2 INFRASTRUCTURE & ENGINEERING – GOOSE AIRSTRIP SOUTH DRAINAGE IMPROVEMENTS

CIRNAC Comment

- CIRNAC notes that from the 2025 Annual Geotechnical Inspection (Table 3, Page 16), the Goose Airstrip was observed to have drainage issues along the south end of the Airstrip: *“Similar to the 2023 and 2024 inspections, water was observed flowing along the south end of the airstrip and ponding at the toe of the embankment, at the northeast corner and the south-southwest end near the new airstrip lighting locations. Ponded water and areas of anticipated ice-rich ground were noted adjacent to, and in some locations intersecting, both site airstrips. The new apron constructed on the southeast side of the airstrip (new observation for the 2025 AGI) appears to be impeding surface water flow between the airstrip embankment and the apron pad, resulting in increased water accumulation in this area.”* Additionally, drainage issues have been repeatedly noted for the south-southwest end of the Goose Airstrip:

“Southern end of the airstrip (operated since November 2023). As it was outlined in the 2024 inspection, airstrip extends to the south intersects some more notable surface water flow pathways / ephemeral streams. The South end of the extended Goose Airstrip is an

area that should be closely monitored and more permanent long-term water conveyance through portions of the airstrip is expected to be required.

Both issues have been previously identified in the 2023 and 2024 Annual Geotechnical Inspections and the recommendations include: *“Consideration should be given to redirecting or attempting to move any ponded water away from the toes of the airstrip. Pumping out or removing ponded water at the toes of the airstrip in the fall, before winter freeze-up, would enhance the transfer of cold ambient air and ground heat. This could help mitigate permafrost degradation by reducing thawing rates and slowing the deepening of the active layer. Improved water management of this nature may contribute to a decrease in both short and long-term maintenance activities.”*

“Special attention should be given to the SSW end of the airstrip. Softer shoulder conditions continue to be noted during walk-around inspections of the airstrip perimeter. Additional and ongoing settlement is anticipated, particularly at the southern end. As outlined in the 2024 inspection report, the design of the Rascal Diversion Berm should be updated to reflect current site conditions, including the presence of fish species in the stream, the existing airstrip lighting system, and associated pads. It should be noted that the initial Rascal Diversion design focused solely on fish passage and did not consider the southern airstrip extension or the diversion of all water flows originating from the Rascal Lake catchment area.”

- **Recommendation:** (R-02) CIRNAC recommends that B2Gold Nunavut undertake drainage improvements at the south end of the Goose Airstrip, including the Rascal Diversion Berm, to prevent further impacts to surface drainage and resulting permafrost degradation. Corrective measures to surface drainage are a requirement per the Project’s Water Licence (Part D, Condition 17). Activities and works undertaken to address these issues should form part of the 2026 Annual Report in addition to any required construction or modification requests that are required under the current Type A license.

B2Gold Response

- B2Gold Nunavut is committed to conducting all activities in a manner that minimizes impacts on surface drainage as required by Part D, Condition 17 of the Water License 2AM-BRP1831 (Amendment No.1). B2Gold is also committed to protecting fish habitat and fish passage and is therefore taking actions to address some of the annual geotechnical inspection (AGI) recommendations. For example, the long-term water conveyance through portions of the airstrip (Rascal Stream East diversion) is underway. Construction design is being finalized for submission to the NWB and DFO in August for approval. Construction will begin as soon as approval is obtained from the above Regulators. Updates will be provided in future annual report.

1.3 CIRNAC #3 INFRASTRUCTURE & ENGINEERING – ECHO HAUL ROAD CULVERTS

CIRNAC Comment

- CIRNAC notes that from Table 2, Page 24, the 2025 Annual Geotechnical Inspection, the Echo Haul Road was observed to have several blocked or damaged culverts: *“Culvert inlets on the east side of Echo haul road are blocked with the rock material used for the road construction. Culvert inlets on the eastern side of Echo Pit haul road are partly blocked. Two culverts on the eastern side are elevated by approx. 0.5 m from the toe of the road embankment. No fine material around the culvert was observed.”* These culvert issues were identified previously in the 2024 Annual Geotechnical Inspection and the recommendations include: *“Unblock the existing inlets. Culverts that appear to be damaged or elevated from the toe of the road embankment are required to be replaced (site to determine after visual inspections before and around freshet).”*
- Recommendation: (R-03) CIRNAC recommends that B2Gold Nunavut unblock or replace all of the impacted culverts along the Echo Haul Road to prevent impacts to surface drainage. Corrective measures to surface drainage are a requirement per the Project’s Water Licence (Part D, Condition 17). **These activities should be reported on within 180 days following receipt of CIRNAC’s comments.**

B2Gold Response

- The Culverts are historical and scheduled to be removed and/replaced with the Echo/Goose WRSA Containment Berm. B2Gold Nunavut is currently conducting an inspection of these culverts and will provide updates when the work is complete.

1.4 CIRNAC #4 INFRASTRUCTURE & ENGINEERING GOOSE TANK FARM PHASE 2 LINER DAMAGE

CIRNAC Comment

- CIRNAC notes that the 2025 Annual Geotechnical Inspection (Table 3, Page 19) identifies that the liner system in Phase 2 of the Goose Tank Farm was observed to be damaged:
“During a walkover inspection of the containment area, a damaged HDPE liner was observed at the toe of the northern berm of Phase 2 containment area.” The damaged liner is recommended to be exposed, inspected, and repaired:
“The damaged liner should be exposed and inspected to assess the full extent of the tear. Repairs should be completed in accordance with project specifications and applicable liner repair procedures. Following repair, the area should be protected with the engineering fill material for protection.”

- Recommendation: (R-04) CIRNAC recommends that B2Gold Nunavut expose, inspect, and repair the damaged liner system within the Phase 2 Containment Area of the Goose Tank Farm, per the operational requirements outlined in the Project's Water Licence (Part D, Condition 20). This activity should be reported on/or within 180 days following the receipt of CIRNAC's comments.

B2Gold Response

- B2Gold Nunavut will inspect and repair the damaged liner system within the Phase 2 Containment Area of the Goose Tank Farm. Updates will be provided when the work is complete.

1.5 CIRNAC #5 – INFRASTRUCTURE & ENGINEERING – MLA QUARRY TANK FACR LINER DAMAGE

CIRNAC Comment

- CIRNAC notes that the 2025 Annual Geotechnical Inspection (Table 4, Page 34), reports that the liner system in Phase 3 of the MLA Quarry Tank Farm was observed to be damaged (eastern berm) and folded (western berm): *"Damaged HDPE liner was observed at the toe of the Phase 3 eastern berm." "Folded HDPE liner was observed at the toe of the western berm in the area where the fuel offload pad (Fireball) ties in. The folds may have resulted from pushing fill material downslope from the crest during placement."* The damaged/folded liner system is recommended to be exposed, inspected, and repaired: *"A detailed liner inspection should be conducted to assess the extent of folding and confirm overall liner integrity. The affected area should be carefully exposed, and the liner evaluated for stress, stretching, or damage. If the liner integrity has been compromised, the impacted section should be repaired. Following repair, the liner should be properly anchored as required, surveyed if applicable, and backfilled with fill material using placement methods that prevent further displacement or damage."*
- Recommendation: (R-05) CIRNAC recommends that B2Gold Nunavut expose, inspect, and repair the damaged liner system within the Phase 3 Containment Area of the MLA Quarry Tank Farm, per the operational requirements outlined in the Project's Water Licence (Part D, Condition 20). This activity should be reported on/or within 180 days following the receipt of CIRNAC's comments.

B2Gold Response

- B2Gold can confirm that the repairs of the damaged HDPE liner at MLA Quarry fuel tank farm under Ramp 1 (main tank farm exit) were completed. The damaged liner and geotextile were removed and replaced and a new textured 60-mil HDPE panels was installed. Quality assurance and quality control (QA/QC) testing of the welds was also completed. These repairs also included patch work on the east side of Tank 5 and near the NW corner sump (photos below). Details are provided in Appendix CIRNAC #5.

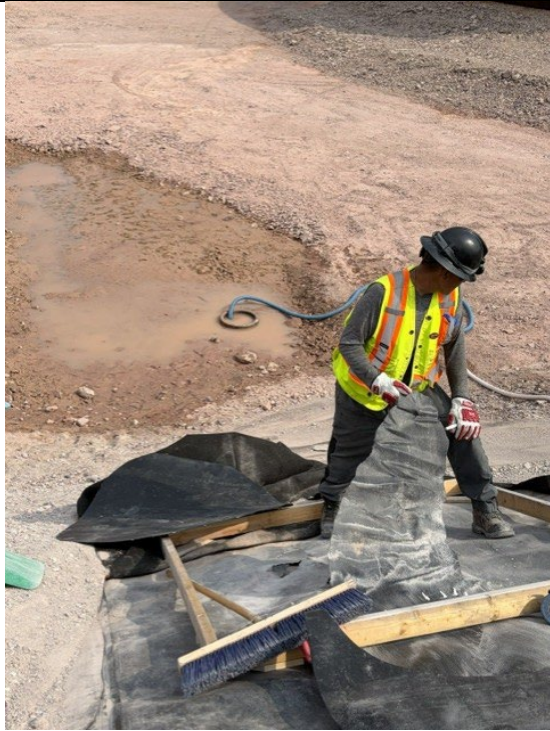


Photo 1: Damaged Liner NW Corner of Tank Farm 1



Photo 2: Exposed HDP Liner NW Corner was fixed and tested



Photo 3: Removing Damaged Liner



Photo 4 Replacing Geotextile

1.6 CIRNAC #6 LANDFILL & WASTE MANAGEMENT - GENERAL

CIRNAC Comment

- CIRNAC notes that the annual report refers to compliance with Schedule B, Condition 9 of the Water Licence. It is stated that wastes that are categorized as dangerous good or non-regulated goods are backhauled to KBL. KBL provides services to transfer these wastes to approved facilities outside Nunavut. Records are included in Appendix F, Tables F-1, and F-2. It is also stated that non-hazardous waste is identified as being suitable for landfill according to the Project Landfill and Waste Management Plan. These wastes were disposed at the Echo and Umwelt WRSA landfills (Figure G-420). Records are provided in Appendix F – Table F-5). Quantities disposed are estimated to be 7,412 m³ at the Echo site and 3,071 m³ at Umwelt site. B2Gold Nunavut reports that a “Landfill and Waste Management Plan” was submitted and approved in 2025. The 2025 Annual Geotechnical report identifies the following:
 - A Tote containment facility was completed in August 2025 – no concerns were identified in the report.
 - The Report emphasizes that landfilled waste at Echo occurs within the central portion of the WRSA and any waste outside the approved WRSA footprint is removed.

Former temporary fuel storage Depot – a landfill has been established at this location. There is evidence of permafrost degradation and ponded water increasing the risk of soil contamination.

- Recommendation: (R-06) CIRNAC recommends that periodic compaction and cover be undertaken on landfilled waste and at the Echo and Umwelt WRSA locations. CIRNAC also recommends that the waste disposed at the temporary storage Depot be collected and disposed of in accordance with the Landfill and Waste Management Plan. It is noted that Waste records have improved over the previous year, and CIRNAC recommends that B2Gold Nunavut continue with the current record keeping and reporting format in the 2026 Annual report.

B2Gold Response

- B2Gold Nunavut acknowledges the comment and would like to assure CIRNAC that periodic compaction and cover are undertaken on landfilled waste following our approved landfill and waste management plan (Sections 6 and 7). We will continue with current record keeping and information will be included in the 2026 annual report.

1.7 CIRNAC #7 LANDFILL & WASTE MANAGEMENT -INCINERTAOR TESTING

CIRNAC Comment (New) & Request

- CIRNAC notes that dual chamber force air incinerators are located at the Goose Mine and the MLA. B2Gold Nunavut reports that no testing has been conducted at the Goose Project. The Water Licence requires reporting of test results including materials burned and efficiency of the incinerator. Incinerator ash is backhauled to KBL – Backhaul records are included in Appendix F-1. Incinerated and open burning of waste records are shown in Appendix F. Table F-3 Goose Incinerator and Open Burn Log, 2025, and Table F-4 MLA Incinerator and Open Burn Log, 2025. The B2Gold Incinerator Management Plan (IMP) was last updated in 2020. The IMP was not available to Tetra Tech at the time of preparing this response. The proper operation and maintenance of Batch Incinerators is necessary to control air emissions.
- Recommendation: (R-07) CIRNAC recommends that B2Gold record and maintain the following operational data including temperature, carbon monoxide and oxygen levels, auxiliary burner time, and differential pressures. CIRNAC also recommends that B2Gold Nunavut should provide records of staff training for operation of the incinerators and any maintenance undertaken. CIRNAC recommends that B2Gold undertake stack sampling for Dioxins and Furans that can result due to incomplete combustion. These contaminants may be transported in air to surrounding land and water.

B2Gold Response

- B2Gold Nunavut acknowledges CIRNAC's comment and confirms that the operating temperatures are currently captured daily. The additional operating (carbon monoxide and oxygen levels, auxiliary burner time) data will be recorded as recommended and provided in future report. We do not have records of staff training for 2025; however, KETEK incinerator expert is scheduled to be at site from Aug 7-17 2026. Their objective is to conduct the yearly preventative maintenance on all electrical, fuel, and mechanical systems as well as structural and chamber refractory of the CY50 and CY100 incinerators. While at site, the KETEK expert will provide some refresher operator training to all crews operating the incinerators to ensure the equipment is operated as designed. B2Gold Nunavut is in the process of contracting Air Research Group for incinerator testing. Results will be included in future annual report.

1.8 CIRNAC #8 LANDFILL & WASTE MANAGEMENT -WASTE & WASTE CHEMICAL STORAGE

CIRNAC Comment

- CIRNAC notes that the March 18-20, 2025, CIRNAC inspection identified non-compliance for secondary containment. An action item required immediate placement and use of

adequate secondary containment, hazardous materials storage, and refueling areas. The July 1, 2025, inspection report had no non-compliance items or action items listed.

The October 21 and 22, 2025 inspection report listed 5 items including a requirement to provide secondary containment for all small waste management areas throughout the site, a requirement to submit a document for secondary containment for refueling areas, a requirement for B2Gold to discuss management of surface contact water with regulators, and discussions with regulators regarding storage of hazardous materials inside marine shipping containers and continued use of waste oil furnaces. The report also required appropriate signage at water supply and waste disposal facilities as per the licence. B2Gold Nunavut reported that:

- Secondary containment was added and improvements continue to be made;
 - Options are being examined for secondary containment at refueling stations, and an engineering firm is addressing the need for further mitigation;
 - B2Gold has confirmed the ability to continue the use of the waste oil furnaces; and,
 - Signs for water supply and waste disposal sites have been ordered.
 - It was noted in the inspection reports that equipment and metals are stored in the bone yard and may be landfilled.
- Recommendation: (R-08) CIRNAC recommends that continued inspections are conducted in 2026 to confirm if the required actions have been adequately completed and that B2Gold Nunavut maintains compliance with disposal and storage of wastes. It is also recommended that scrap equipment and end-of-life vehicles be decontaminated prior to being placed in the bone yard and before they are landfilled or backhauled.

B2Gold Response

- B2Gold Nunavut acknowledges CIRNAC comment and confirms that departmental area owners are responsible for maintaining and inspecting their respective work areas. Site Services manages and inspects designated waste collection areas and conducts regular inspections across the site. In addition, the Environmental team completes weekly site inspections covering all departments. Each department remains responsible for addressing and closing out any corrective actions identified within its area.
- The equipment currently stored in the “boneyard” is being retained and utilized for spare parts. Should any equipment be fully decommissioned and designated for landfill disposal, all hazardous materials would be removed before disposal. To date, no equipment from the boneyard has been moved into the landfill. Site Services also coordinates with Supply Chain to arrange the off-site backhaul of hazardous waste by air freight. We are currently reviewing and revising the site’s Transportation of Dangerous Goods processes and hazardous-material packaging best practices. Once finalized, the updated procedures will be rolled out across the site.

1.9 CIRNAC #9 ARD & ML – TEST METHOD FOR DETERMINING NP

CIRNAC Comment (New) & Request

- CIRNAC notes that the 2025 annual report for Water Licence indicates the Neutralization Potential (NP) in Section 2.3 and in results tables is calculated based on the Modified Sobek analysis. The NP value is subsequently used in the calculation of the Neutralization Potential Ratio (NPR) value which is used to classify the samples as either NAG or PAG using the site-specific criteria. Section 7.1.4 of the WRMP specifies that “total inorganic carbon (TIC) will be used to calculate the neutralization potential (NP)”.
- Recommendation: (R-09) CIRNAC recommends that B2Gold Nunavut clarify if testing of total inorganic carbon is completed and justify the change in the method of calculating the NP value from what is presented in the WRMP. If B2 Gold Nunavut would like to modify the existing condition for total inorganic carbon analysis on all samples and use of TIC to calculate neutralization potential, as presented in Section 7.1.4 of the approved WRMP, then a new WRMP should be submitted for approval by the board.

B2Gold Response

- Neutralization Potential (NP) values reported in the 2025 annual report were calculated using the Modified Sobek Acid-Base Accounting (MSABA) method. In February 2026, B2Gold transitioned from Modified Sobek to Sobek Acid-Base Accounting (SABA) testing at the recommendation of its geochemical consultant, Stantec. The change was implemented for technical and standardization purposes, as the Sobek method is more widely recognized by commercial laboratories and is more commonly used throughout the mining industry, including B2Gold’s external laboratory (i.e., ALS) for geochemical analyses. The transition was also intended to provide a more representative estimate of Neutralization Potential (NP) in carbonate-bearing materials, reduce some of the limitations associated with the Modified Sobek method that may result in over- or under-estimation of NP depending on sample mineralogy, and improve consistency with other ARD/ML characterization programs conducted by external laboratories.
- Total Inorganic Carbon (TIC) continues to be analyzed as part of the geochemical characterization program. The methodological change was reviewed and approved, and comparative evaluations indicate that the change has produced broadly similar classification results, with a modest increase in material classified as Non-Acid Generating (NAG) of approximately 2%.
- NP values derived from the selected ABA methodology are used to calculate Neutralization Potential Ratio (NPR) values that support the classification of material as NAG or Potentially Acid Generating (PAG).

1.10 CIRNAC #10 ARD & ML – TESTING OF TAILINGS AND TREATMENT SLUDGES

CIRNAC Comment

- CIRNAC notes that TMP Section 6 indicates that as part of the Monitoring Program, B2Gold Nunavut will conduct *“Grab sampling of tailings and treatment sludges as they are produced to evaluate the potential for remobilization of arsenic of these materials remains within predicted levels”*

The annual report Table F-7 shows tailings being placed in the Echo Tailings Storage Facility (ETSF) from June-December 2025. CIRNAC could not locate the results of the grab sampling or confirmation that the grab sampling was conducted as outlined in the Tailings Management Plan Version. 3.0 (TMP), Section 6.

- Recommendation: (R-10) CIRNAC recommends that B2Gold Nunavut clarify if testing of the tailings product produced and placed in the ETSF was subjected to tests to evaluate the potential for remobilization of arsenic from these materials. If results are available, please provide them as per the annual reporting requirements. If not available, please advise what measures will be put in place to ensure that this sampling will be done as outlined in Section 6.0 of the TMP.

B2Gold Response

- B2Gold Nunavut can confirm that the tailings are being tested and results will be provided in the annual report to NIRB. Test results from July to December 2025 are provided in Appendix CIRNAC 10. Review of the data collected from July to December 2025 shows that arsenic (As) concentrations are low and generally below the detection limits, suggesting that there is no remobilization of arsenic.

1.11 CIRNAC #11 ARD & ML – WRSA WATER MANAGEMENT & MONITORING

CIRNAC Comment

- CIRNAC notes that In Appendix H, Table H-1, Item BRP-09 is for the Umwelt WRSA Pond. Under the “Monitoring Activity” column indicates that this is “N/A – facility not commissioned”. The Umwelt Pit WRSA received PAG waste rock in 2025, and therefore the Umwelt WRSA Pond should be constructed and operational for water management and water monitoring, as per the Waste Rock Management Plan and Water Management Plan.
- In Appendix H, Table H-1, Item BRP-22 is for the Echo WRSA Pond. Under the “Monitoring Activity” column indicates that this is “N/A mine phase”. The Echo Pit WRSA received PAG waste rock in 2025, and therefore the Echo WRSA Pond should be constructed and operational for water management and water monitoring, as per the Waste Rock Management Plan and Water Management Plan.

- **Recommendation:** (R-11) CIRNAC recommends that B2Gold Nunavut describe the process for water management and monitoring from the Echo WRSA and the Umwelt WRSA. CIRNAC recommends that B2Gold Nunavut address the question of whether the Umwelt WRSA Pond has been constructed to capture water originating from the Umwelt WRSA. If the Pond is active, it is recommended that this line item in Table H-1 be updated. If the Pond is not constructed, it is recommended that B2Gold Nunavut provide information on managing leachate from the Umwelt WRSA. CIRNAC also recommends that B2Gold Nunavut clarify whether monitoring is completed in the Echo WRSA Pond.

B2Gold Response

- B2Gold Nunavut acknowledges CIRNAC's comment and confirms that water monitoring are being conducted at the Echo WRSA (i.e., BRP-22) and at the Umwelt WRSA. We can also confirm that the Echo WRSA Pond does not exist, but monitoring of the Echo Pit water (i.e., tailing process water) is completed at BRP-20 as per the water license requirements.
- The Umwelt WRSA Pond has not been constructed yet, but the water/leachate originating from the Umwelt WRSA is directed to the Primary Pond (i.e., BRP-10) which is sampled and tested as per the water license requirements.

1.12 CIRNAC #12 ARD & ML -SFE TESTING

CIRNAC Comment

- CIRNAC notes that the WRMP specifies that *"Short-term leach testing following the shake flask extraction (SFE) method will be conducted on [a] subset [of the samples] to confirm the metal leaching potential of NPAG material, this testing is not required for PAG samples, as PAG waste rock will not be used in construction"*.

The WRMP indicates that "NPAG samples analyzed for SFE will be compared to 10x CCME guidelines for aquatic life to confirm metal leaching potential. Material with a high metal leaching potential will also not be used for WRSA cover material.

As per Water Licence 2AM-BRP1831 Part D, Item 5, only waste rock to be confirmed to be NPAG and non-metal leaching may be used as construction material.

The annual report does not indicate that SFE testing was completed on any samples in 2025.

- **Recommendation:** (R-12) CIRNAC recommends that B2Gold Nunavut confirm if any SFE testing has been completed during 2025, and to provide a summary of the results or justification for the testing not having been completed as described in Section 7.1.4 of the WRMP (2022).

B2Gold Response

- Based on the information currently available, no Shake Flask Extraction (SFE) testing was completed during 2025. To address the requirements of the WRMP and Water Licence

2AM-BRP1831, SFE testing has been incorporated into the 2026 geochemical monitoring program. A subset of NPAG samples will be analyzed to confirm metal leaching potential, and a summary of the results will be included in future annual report.

1.13 CIRNAC ARD & ML – MONITORING OF SEEPAGE AND RUNOFF FROM WASTE AND TSA

CIRNAC Comment

- CIRNAC notes that Section 2.3, Schedule B - Waste, Condition 8 requires a “Summary of quantities and analysis of Seepage and runoff monitoring from the Tailings Storage Facility, Waste Rock Storage Areas, Landfill(s) and associated dikes/berms”. The Compliance Status item for this condition indicates only that the three seeps were observed at the Goose Mine in 2025.
- Recommendation: (R-13) CIRNAC recommends that B2Gold Nunavut confirm that there were no seepage and runoff from the active Echo WRA, Umwelt WRSA, and Echo Tailings Facility which could be quantified and monitored in 2025.

B2Gold Response

- B2Gold Nunavut can confirm that there was no seepage or runoff observed from the active Echo WRSA, Umwelt WRSA, or Echo TSF.

1.14 CIRNAC HAZARDOUS MATERIALS MANAGEMENT AND MONITORING - HAZARDOUS MATERIALS TRACKING SYSTEM

CIRNAC Comment

- CIRNAC notes that the Goose Project 2025 annual report for Water Licence 2AM-BRP1831, Section 2.4 Schedule B – Spills and Appendix G indicated that some material from cleanup activities was transported for storage pending future treatment at the new Waste Management Facility, scheduled to be constructed with a soil treatment facility. Appendix F Table F1 Goose Waste Backhauled, 2025 included entries for “Soil contaminated with hydrocarbons”. The report does not identify which contaminated soil is being stored pending treatment, nor confirm that a tracking system has been implemented to prevent potential handling errors. There is a potential for handling errors or incorrect disposal associated with the longer-term storage, pending acceptance of the updated Landfill and Waste Management Plan (LWMP) and commissioning of the proposed soil treatment facility.
- Recommendation: (R-14) CIRNAC recommends that a hazardous materials tracking system be implemented pending the formal acceptance of the updated LWMP. Hazardous materials should be tracked until they meet the requirements of the updated LWMP delisting protocol. It is also recommended that details regarding the implementation of a

hazardous materials tracking system be incorporated into a future version of the Hazardous Materials Management Plan (October 2017).

B2Gold Response

- B2Gold Nunavut acknowledges CIRNAC's comment and will ensure hazardous materials are tracked until they meet the requirements of the LWMP. Additionally a hazardous materials tracking system will be implemented and incorporated into a future version of the Hazardous Materials Management Plan.

1.15 CIRNAC HAZARDOUS MATERIALS MANAGEMENT AND MONITORING – POST REMEDIATION SAMPLING

CIRNAC Comment

- CIRNAC notes that the Goose Project 2025 annual report for Water Licence 2AM-BRP1831, Section 2.4 Schedule B – Spills indicated that 13 of 14 spills were cleaned up.

Appendix G indicated that contaminated soil was removed following four spills. No information was provided on post-excavation confirmatory soil sampling to verify that all contaminated soil had been removed.

- Recommendation: (R-15) CIRNAC recommends that post-remediation sampling should be considered for spills that have impacted underlying soils if the spilled substance represents a potential longer-term risk to environmental receptors. If conducted, the results of post-remediation sampling should be included in Appendix G.

B2Gold Response

- B2Gold Nunavut acknowledges CIRNAC's comment and confirms that post remediation sampling will be conducted for spills that have impacted underlying materials if the material can be sampled. Most of the spills occur on run of quarry fill material which are coarse texture materials that may be difficult to test. However, if tested, the results will be included in future annual report.

2. DFO

B2Gold Nunavut acknowledges DFO's comments and has provided the requested information in the following sections.

2.1 DFO LAKE 997 UNDER ICE WATER WITHDRAWAL

DFO Comment #1

- The exceedance in under-ice water withdrawal from Lake 997 has been reported to DFO by B2Gold Nunavut. DFO is actively working with B2Gold Nunavut to determine whether impacts to fish and fish habitat have occurred and will implement corrective measures if needed.

B2Gold Response

- B2Gold Nunavut acknowledges DFO's comment and understands that there are no responses required at this time. B2Gold Nunavut will continue working closely with DFO and share the results of the monitoring and tests requested by DFO for Lake 997 when ready.

2.2 DFO UNDER ICE WATER WITHDRAWAL FROM UNKNOWN SOURCES

DFO Comment #2

- The 1,884 m³ of water withdrawn from unknown water sources along the winter ice road route could be a non-compliance issue with DFO. It is unclear from the report whether the additional water was withdrawn from lakes assessed in the winter road technical memo or not (the winter road technical memo models bathymetry of lakes along the road route to predict the allowable volume of water withdrawal from each lake, and also accounts for varying lake bathymetries to further protect littoral/spawning habitat).

Since the water was withdrawn from unknown locations, the following non-compliance scenarios may have occurred: (a) the water was withdrawn from lakes assessed in the winter ice road technical memo, and one or more lakes were drawn down over 10% of their under-ice volume when added to the known amount of water withdrawal, or (b) the water was withdrawn from one or more lakes not assessed in the winter road technical memo, therefore no allowable water withdrawal volumes were calculated and the lake(s) were drawn down over 10% of their under-ice volume. Both scenarios do not conform to DFO's guidance and therefore could result in the death of fish or the harmful destruction of fish habitat. As noted in the annual report, the additional water withdrawal may have been spread out across several waterbodies and therefore may not exceed the 10% reduction of under-ice volume for any lake - however there is no evidence to confirm that this was the case.

B2Gold Nunavut proposed measures to avoid these issues in under-ice water withdrawal along the winter ice road from re-occurring. These measures include posting clear signage at each authorized water source, updating the water tracking spreadsheets, requiring more regular review of water usage against limits, and requiring withdrawal from depth in deeper lake areas to avoid taking more oxygenated surface water to reduce risks associated with potential over withdrawal. DFO will continue to work with B2Gold Nunavut to ensure water withdrawal from unaccounted water sources is avoided.

B2Gold Response

- B2Gold Nunavut acknowledges the comment and will continue working closely with DFO to ensure water withdrawal from unaccounted water sources is avoided in future. To achieve this B2Gold is implementing several actions including:
 - Using or referencing only the approved lake names to avoid confusion.
 - Putting signage at the approved lakes and withdraw water only from these locations.
 - Increasing winter ice road (WIR) supervision schedule.
 - Conducting more frequent inspections to verify compliance.

2.3 DFO GENERAL COMMENT

DFO Comment & Request

- B2Gold Nunavut should review and implement any relevant DFO protective measures for fish and fish habitat and standard codes of practice (<https://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures-eng.html> and <https://www.dfo-mpo.gc.ca/pnw-ppe/practice-pratique-eng.html>) and respect the Nunavut in-water works restricted activity timing windows (<https://www.dfo-mpo.gc.ca/pnw-ppe/timing-periodes/nwt-eng.html>). By doing so, works, undertaking or activities where impacts to fish and fish habitat can be avoided.

In order to comply with the *Fisheries Act*, it is recommended that B2Gold Nunavut follow DFO's protective measures for fish and fish habitat and standard codes of practice which can be found on DFO's website (<https://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures-eng.html> and <https://www.dfo-mpo.gc.ca/pnw-ppe/practice-pratique-eng.html>).

B2Gold Nunavut are also asked to respect the NU in-water works restricted activity timing windows (Projects Near Water - Nunavut Restricted Activity Timing Windows for the Protection of Fish and Fish Habitat ([dfo-mpo.gc.ca](https://www.dfo-mpo.gc.ca))). By doing so, works, undertaking or activities where impacts to fish and fish habitat can be avoided.

If the proposal meets the criteria for a site specific review (e.g., withdrawing water during the Restricted Activity Period), as described on DFO's website (<https://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/request-review-demande-d-examen-003-eng.html>), they should complete and submit the request for review form available on the website

(<https://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/request-review-demande-d-examen-004-eng.html>).

It is also B2Gold Nunavut's *Duty to Notify* DFO if they have caused, or are about to cause, the death of fish by means other than fishing and/or the harmful alteration, disruption or destruction of fish habitat. Such notifications should be directed to DFO.ARCENTriage-TriageGEARC.MPO@dfo-mpo.gc.ca.

B2Gold Response

- B2Gold Nunavut acknowledges DFO's comment and the additional resources provided. B2Gold Nunavut will continue working with DFO to ensure there are no impacts to fish.

3. KIA

B2Gold Nunavut acknowledges KIA's comments and has provided the requested information in the following sections.

3.1 KIA #01

KIA Comment & Request

- The 2025 annual report identifies significant changes in site activities, including completion of the process plant and mill, commencement of commercial production, completion of Echo Pit mining, conversion of Echo Pit to a tailings facility, and continued development of water management infrastructure. Previous KIA comments identified that some Water Management Plan information required clarification, including infrastructure descriptions and water quality response triggers. As the Project transitions into operations, water management assumptions, infrastructure capacity, monitoring requirements, and adaptive management triggers should be reviewed against current operating conditions.
- Recommendation: Provide confirmation that the Water Management Plan has been updated to reflect current operational conditions, including updated infrastructure, water routing assumptions, pond capacities, and clearly defined adaptive management triggers.

B2Gold Response

- B2Gold confirms that:
 - The WMP has been updated to reflect current operational conditions. The updates focused mainly on the Goose Mine operations, closure and post-closure phases of the Project. Updates also include changes in WRSAs and stockpiles, removal of TSF WRSA, updated geochemical criteria for some deposits, and minor adjustments to roles and responsibilities. B2Gold submitted on June 27, 2026 these operational changes described herein as a Modification and intends to implement these changes when approved by the Nunavut Water Board. Copies of the water management can be accessed on The Nunavut Water Board SharePoint via the following link. [Back River Project June 2026 Modification Request for Updated Management Plans.](#)

3.2 KIA #02

KIA Comment & Request

- Part I, Condition 10 of the Licence 2AM-BRP1831 stipulates the requirement of an annual geotechnical inspection addressing a defined list, consisting of 16 items, including Open Pit walls (Item e), Waste Rock Storage Areas (Item g), and Underground mine and underground

groundwater (Items m & n). The geotechnical inspection report provided (Appendix A) explicitly excludes, by its own scope statements:

- Open-pit walls (Echo, Umwelt);
 - Waste Rock Storage Areas (only "general comments passed to site staff");
 - Underground mine and underground groundwater; and defers the Primary Pond Dam Safety Inspection to 2026.
- Recommendation: B2Gold Nunavut is requested to provide an updated annual geotechnical inspection report, or supplementary documentation, that addresses all applicable items required under Part I, Condition 10 of Licence 2AM-BRP1831, including open-pit walls, Waste Rock Storage Areas, the underground mine, and underground groundwater.

B2Gold Response

- B2Gold acknowledges KIA's observation that the 2025 AGI report does not, by itself, cover all 16 items listed under Part I, Condition 10 of Water Licence 2AM-BRP1831 (Amendment 1). B2Gold will review the gaps and provide updates in future annual report.

3.3 KIA #03

KIA Comment & Request

- Schedule B, Condition 5 states a summary update to the water and load balance results, if any, including an annual comparison of measured groundwater inflow rates to model predictions should be provided. Section 2.2 of the annual report points to the 2022 Water and Load Balance Model submission, with no annual comparison of measured groundwater inflow rates to model predictions. With underground workings now active, measured inflow data should become available and be compared to the model.
- Request: Comparison of groundwater inflow data into underground working with model predictions, or justification why those data are not available for 2025.

B2Gold Response

- Underground working in Umwelt Underground has been initiated in 2025. During that year, working in Umwelt Underground were all within the permafrost zone, with effectively no groundwater inflow intercepted. This is consistent with the results of the groundwater model that predicted zero groundwater inflows during year 1 of development of Umwelt Underground.

3.4 KIA #04

KIA Comment & Request

- The 2025 annual report includes the Site-wide Ground Thermal Monitoring Memorandum and Ground Thermal Monitoring Plan, addressing previous uncertainty regarding geotechnical and thermal monitoring documentation. Ground thermal conditions influence seepage pathways, groundwater movement, and performance of mine infrastructure constructed in permafrost environments. Integration of thermal monitoring results with hydrogeologic observations would improve confirmation that site conditions remain consistent with design assumptions.
- Request: Provide continued interpretation of ground thermal monitoring results in relation to potential changes in groundwater pathways, seepage conditions, and water management assumptions.

B2Gold Response

- B2Gold Nunavut agrees that integrating thermal and hydrogeologic information in future reporting will improve clarity on how permafrost conditions influence groundwater flow and seepage behaviour. At the Back River Project, the site is underlain by continuous permafrost with ground temperatures typically between about -4.7°C and -7.5°C and an active layer of approximately 1-4 m below ground surface; permafrost thickness is on the order of several hundred meters, with localized unfrozen taliks beneath lakes and in deeper rock masses. Within this setting:
- Shallow groundwater and seepage are primarily present during the thaw season, typically from late May to mid-October, when the active layer is unfrozen. Outside this period, near-surface soils and shallow groundwater are frozen and hydraulic conductivity is effectively very low; active groundwater movement is largely restricted to deeper taliks and mine workings.
- Permafrost acts as a low-permeability barrier that confines groundwater flow to:
 - the seasonally thawed active layer;
 - unfrozen taliks beneath lakes and depressions; and
 - disturbed zones around open pits, underground workings, and foundation excavations.
- Changes in ground temperature and permafrost state (e.g., thawing of ice-rich soils) can alter seepage pathways by:
 - increasing hydraulic connectivity in thawed zones
 - changing the depth and lateral continuity of the active layer; and
 - potentially increasing inflows to pits, underground workings, and contact-water ponds.

The Site-wide Ground Thermal Monitoring Plan establishes long-term ground-temperature monitoring at background locations and at existing critical infrastructure such as Primary Pond Dam, the Goose Camp pad, Saline water pond Dam (under construction as of summer 2026), and the MLA fuel tank farm. Ground-temperature cables (thermistors) are installed in dam foundations, key trenches, embankments, and pads to track permafrost and active-layer conditions beneath these facilities. In parallel, groundwater and seepage behaviour are being or will be monitored at facilities with significant zones of influence, including:

- open pits and underground mines (e.g., Umwelt, Llama, Goose Main, Echo),
- at the toe of the overburden stockpiles and waste rock storage areas;
- contact-water and saline-water ponds; and
- other major pads and foundations identified in the Water Management Plan [240528_2AMBRP1831 *Water Management Plan Version 5.pdf*].

For these facilities, it is recommended that Hydrogeologic instrumentation (e.g., standpipes, vibrating-wire piezometers, and/or observation wells) be installed in conjunction with ground-temperature cables in key sections:

- Annual data collection be organized during the thaw season (late May to mid-October), when groundwater levels and seepage are most representative of active flow conditions; and
- Future Annual Reports and Site-wide Ground Thermal Monitoring reports include a concise, integrated conceptual summary for each critical facility, describing:
 - how the measured ground-temperature regime (permafrost/active layer/talik) constrains groundwater flow paths; and
 - how observed groundwater levels and seepage patterns relate to those thermal conditions.

B2Gold will work with its consultants to incorporate this integrated interpretation in future submissions.

3.5 KIA #05

KIA Comment & Request

- The 2025 annual report indicates that Winter Ice Road water use was generally within Licence requirements and calculated withdrawal capacities. However, Lake 997 withdrawal capacity was exceeded and approximately 1,900 m³ of water was withdrawn from unidentified sources. Although corrective actions were implemented, accurate tracking of winter water withdrawals is important to confirm protection of lake water levels and compliance with approved withdrawal assumptions.
- Request: Provide a summary of corrective actions implemented for the 2025/2026 Winter Ice Road season and confirm that procedures are in place to verify withdrawal locations and approved volumes.

B2Gold Response

- B2Gold Nunavut acknowledges KIA's comment and can confirm that water withdrawal from unaccounted water sources will be avoided in future. To achieve this B2Gold is implementing several actions including:
 - Using or referencing only the approved Lake names to avoid confusion.
 - Putting signage at the approved lakes and withdraw water only from these locations.
 - Increasing winter ice road (WIR) supervision schedule.
 - Conducting more frequent inspections to verify compliance.

3.6 KIA #06

KIA Comment & Request

- Schedule B, Condition 6(b) of Licence 2AM-BRP1831 stipulates that the annual report shall include geochemical monitoring results, including "...As-built volumes of Waste Rock used in construction and placed in the Waste Rock Storage Areas with estimated balance of acid generation to acid neutralization capacity in a given sample, as well as **metal toxicity**".

In the statement of compliance for Schedule B, Condition 6(e), Section 2.3 of the annual report states that "only rock classified as NAG and non-ML [metal leaching] is used for construction".

It is not clear how the samples were determined to be non-ML, or if any metals testing (to assess 'metal toxicity') has been completed on the 2025 samples.

- Recommendation: Details related to the determination of samples as being non-ML are requested. Data associated with an assessment of a samples metal toxicity should be included in annual reporting. It is noted that similar review comments were provided in relation to the 2023 and 2024 annual reports (RainCoast, April 2024; March 2025). Details of the sulphur testing and QA/QC protocols followed by B2Gold's in-house lab are requested.

B2Gold Response

- Waste rock classification is currently based on routine sulphur analyses and geochemical characterization conducted under the Goose Project geochemical monitoring program. Samples are collected systematically from all waste rock patterns at a rate of approximately eight (8) samples per 100,000 tonnes of waste material. Material classified for construction use is required to meet the established criteria for Non-Acid Generating (NAG) material. While routine geochemical characterization is conducted to support waste rock classification, site-specific metal leaching assessments were not performed in 2025. The geochemical monitoring program and reporting approach will be reviewed to ensure that future reporting addresses the requirements related to metal toxicity under Licence Condition 6(b).

3.7 KIA #07

KIA Comment & Request

- The 2025 annual report provides additional information regarding water quality monitoring, including run-off, containment areas, dewatering discharge, and treatment systems. Some water quality exceedances occurred during freshet conditions, including low pH and one elevated TSS result. Corrective actions were implemented and subsequent monitoring indicated improved conditions.
- Recommendation: The monitoring and mitigation actions were well received. Continue to provide annual summaries of water treatment and run-off management performance, including exceedances, corrective actions, and verification monitoring results.

B2Gold Response

- B2Gold Nunavut acknowledges KIA's comment and understands that there are no responses required at this time. B2Gold Nunavut will continue the monitoring and mitigation actions and will provide annual summaries of water treatment and runoff management performance including exceedances, correctives actions and verification monitoring results in future annual report.

3.8 KIA #08

KIA Comment & Request

- Schedule I of Licence 2AM-BRP1831 describes the parameters and frequencies that stations shall be monitored, in accordance with the mine phase. The Goose Lake Discharge station (BRP-01) shall be monitored **weekly during dewatering** for parameters included in Group Codes A (Field Chemistry), B (Flow), and G (*MDMER* deleterious substances). **Monitoring for other Group Codes is stipulated to occur at alternate frequencies.**

Dewatering at Goose Lake in 2025 occurred over a period of approximately 12 weeks; however, only eight samples were collected at BRP-01 in 2025 and generally analyzed for parameters in Group Codes A and G. The reason for sample collection occurring at a lower frequency than denoted in Licence 2AM-BRP1831 was not included in the annual report. For the BRP-01 sample collected 2025-07-20, Radium 226 was not reported, which is one of the required analytes within the Group Code G parameters.

Further, flow data should be collected at the Goose Lake Discharge station, per Schedule I of Licence 2AM-BRP1831 (i.e., per Group Code B in Schedule I of Licence 2AM-BRP1831). Volumes of water pumped *from* Goose Lake are reported in Section 2.2 of the annual report, which is described as continuously metered and reported in monthly increments. However, quantities of *effluent* at the Goose Lake Discharge station could not be located in the annual report.

In addition to being a monitoring requirement per Licence 2AM-BRP1931, flow data collected at BRP-01 will allow for loading assessments to be completed in the future, as necessary.

- Request: Explanation for why Station BRP-01 was not monitored at the weekly frequency (for Codes A, B and G; per Table I in Schedule I of Licence 2AM-BRP1831) should be included in the annual report. Flow monitoring at BRP-01 should be included in the annual report.

B2Gold Response

- B2Gold Nunavut acknowledges KIA's comment and provides clarification that BRP-01 was monitored weekly as per permit requirement only during dewatering when water was discharged to the environment. However, when dewatering water was not discharged to the environment but sent to the Primary Pond for internal use, no samples were collected for testing which explains the lower frequency observed. Field measurements and certificate of analysis (COA) from the laboratory for samples tested in 2025 and flowmeter results are included in Appendix KIA 08. The chemistry and toxicity data will continue to be collected and included in future annual reports.

3.9 KIA #09

KIA Comment & Request

- Erosion of tundra is an environmental concern. The discharge of 49,996 discharged from the Goose STP and 8,064 m³ discharged from the MLA Accommodations Complex to the tundra could have caused erosion at the discharge points and beyond. Soil erosion in tundra can cause loss of vegetation, increased thawing of permafrost, degraded habitats and alteration of the nutrient cycle. No information is provided on the discharge method used, i.e. whether a flow dissipator was deployed or what the discharge flow was.
- Recommendation: Discharge rate and methodology (e.g., single discharge pipe, passive overflow, etc.) should be included in the reporting. If this information was not recorded during 2025, it should be included in all subsequent reports. Photos should also be provided of discharge areas to illustrate any effects.

B2Gold Response

- B2Gold Nunavut acknowledges KIA's comment and wishes to provide clarification. The sewage treatment plant's discharge line is an 4", insulated and heat-traced single discharge HDPE pipe. It discharges up-gradient and passively flows over the tundra to promote natural attenuation before reaching the receiving environment. B2Gold Nunavut can certainly include flowrate and photographs of this discharge location in future reports.

3.10 KIA #10

KIA Comment & Request

- Tables F-1 and F-2 – It is unclear what the column headers mean. For example, for the top row dated 06-12-2025, “Description” is Compressed Gas – Fire Extinguishers, “Quantity Shipped” is 295, “Unit of Measure” is Kg, “Number” is 3, “No, Containers (code)” is 59, and “Container Type” is Each. Does this mean that this load included 295 kg of fire extinguishers packaged in three containers of type Each? In addition, the acronym “UN” is not included in the list of Acronyms and Abbreviations on page xi, and “No, Containers (code)” in Table F-1 is undefined. A table caption or additional table notes to define column headers would be helpful, as would repeating the table header row when a table breaks across multiple pages.
- Schedule B, Condition 10 includes reporting of incinerator test results including the efficiency of the incinerator. Section 2.3, page 11 states that tests on incinerator efficiency has not yet been tested. The report does not indicate when a test will occur to fully meet this Condition.
- Request: The KIA requests the following:
 - Conduct the incinerator test and report on results as soon as possible to remain in compliance with condition 10. The associated condition requires that test results be included in annual reporting and that: “Reporting of Incinerator test results including the materials burned and the efficiency of the Incinerator in relation to effects on Water and the potential Deposit of Waste into Water”.
 - Include more detailed descriptions in tables to define what column headers mean and include information on how to read the table such that a person without access to the report text can still correctly interpret the table.

B2Gold Response

- B2Gold Nunavut acknowledges KIA’s comment and is in the process of contracting Air Research Group for the incinerator testing. Results will be included in future annual report.

3.11 KIA #11

KIA Comment & Request

- At least three of the reportable spills were cleaned up and the contaminated material contained was scheduled to be melted down and treated in the spring. Presumably, this treatment was to be completed in the spring of 2025, but no follow-up is provided about whether this action was taken.
- Request: Information should be provided on whether the action to treat spilled material in the spring was completed in order to confirm that treatment loop was completed.

B2Gold Response

- B2Gold Nunavut acknowledges KIA's comment and confirms that the contained contaminated material was scheduled to be treated in the spring of 2025 but was not completed due to delays in constructing the landfarm/soil treatment facility. The contaminated materials was stored into a lined cell and is scheduled to be treated in August-September 2026.

3.12 KIA #12

KIA Comment & Request

- An additional investigative sampling program was carried out in 2025 to better understand potential sources/cause of POIs with elevated concentrations. The results of the investigative sampling program were included as an appendix to the 2025 AEMP.
- The results of the additional investigative sampling program suggested two main sources may be influencing water quality at Goose Lake, including (1) flows from the Echo Lake area, and (2) flows from the Llama Lake and Umwelt Lake area. The additional investigation program used parameter concentrations as an indicator of potential sources. However, the quantity of flow entering Goose Lake from these sources was not measured nor described.
- Request: Two mitigation options were recommended in the 2025 AEMP Report related to seepage and runoff from Site into Goose Lake, including suggested improvements to water management and dust control at site to minimize the potential for impacted water to report to Goose Lake, and a comprehensive monitoring program. BGC agrees with both recommendations. BGC additionally recommends that the flows entering Goose Lake from the Echo lake area and the Llama Lake and Umwelt Lake area be measured/quantified.

B2Gold Response

- B2Gold Nunavut acknowledges KIA's comment and flow measurements will be taken when possible. It is worth noting that there is no direct flow entering Goose Lake from Llama Lake and or Umwelt Lake. Flows from these locations enter Goose Lake only during dewatering when water is released to the environment but through BRP-18 (i.e., Llama Watershed Outflow).

3.13 KIA #13

KIA Comment & Request

- The 2025 AEMP identified increasing trends for several water quality parameters, including changes observed in Goose Lake. While ongoing monitoring has identified these trends, additional interpretation of hydrologic source contributions would improve understanding of potential causes. Changes in water quality may be influenced by multiple contributing

sources, including natural run-off variability, contact water management, seepage contributions, dewatering activities, and operational changes.

- Request: Provide additional interpretation of potential water source contributions influencing observed water quality trends, including consideration of run-off volumes, contact water sources, seepage monitoring, and operational water management activities.

B2Gold Response

- B2Gold Nunavut acknowledges KIA's comment and will provide in the 2026 AEMP report additional interpretation of potential water source contributions influencing the observed water quality trends, including consideration of run-off volumes, contact water sources, seepage monitoring, and operational water management activities.

3.14 KIA #14

KIA Comment

- Data collection for chlorophyll a was completed using 0.45 µm GF/C filters in 2011, 2012, 2013, 2018, 2021, and 2024. A conversion factor was calculated using the linear relationship between methods and previous 0.45 µm GF/C filters results were converted using this conversion factor. Efficiencies were noted when using the 1.2 µm GF/C filters. Trends were not discussed in full; chlorophyll a has an increasing trend from 2017/2018.
- Request: The report reports on the efficiency of using the 1.2 µm GF/C filters opposed to the 0.45 µm GF/C filters but does not provide information on the scientific basis for switching the methodology and the accuracy of each method. Provide scientific rationale and/or references for changing data collection method during mid-BACI study design and provide comparisons or information on the accuracy of the two methods. Provide explanations and implications for the increases in chlorophyll a.

B2Gold Response

- B2Gold Nunavut acknowledges KIA's comment and is providing the following explanation and implication for the increases in chlorophyll a. The scientific rationale for the change in chlorophyll filters and the results of the study comparing the two filters were provided in Appendix C of the 2024 Surface Water Quality Report (WSP 2025). The 2024 Surface Water Quality Report can be accessed via the following link [2024 Surface Water Quality Report](#).
- The rationale is briefly described below:
 - Other northern AEMPs (e.g., Meliadine Gold Mine, Nunavut) use a 1.2 µm pore size glass microfibre filter (i.e., 47 mm Whatman glass microfibre filter type C; GF/C) and have obtained reliable chlorophyll *a* data with this filter. Historically, chlorophyll *a* has been measured for the Goose Lake Mine by filtering up to one litre (1 L) of water through a 0.45 micrometre (µm) pore size cellulose membrane filter. However, in the field it usually requires a relatively long time to filter this volume of water through this filter size (up to

1 hour per sample) and sometimes multiple filters are needed to filter the target volume of 1 L because the filter becomes clogged.

To align with the methods already used by other AEMPs in Nunavut and to allow for faster field filtering of samples while still collecting reliable data, the 2024 AEMP recommended that the Project switch to the GF/C filter type. It was acknowledged that this would be a change from historical procedures which had the potential to influence comparability with the baseline dataset to some extent. Thus, a comparison study was conducted to evaluate potential differences in chlorophyll *a* concentrations using the two different pore sizes (WSP 2025). The results of the comparison study suggest that using 1.2 µm GF/C filters would benefit the AEMP by collecting scientifically defensible chlorophyll *a* data in a cost-effective manner (WSP 2025). A conversion factor was developed to adjust the historical 0.45 µm chlorophyll *a* data because chlorophyll *a* concentrations generated using the 1.2 µm GF/C filters appeared to be higher than those collected using the 0.45 µm cellulose membrane filters (differences between the filter types were <30%). Appendix C of the 2025 AEMP report presents the methods to derive the conversion factor. It is important to note that even if the historical 0.45 µm cellulose membrane data are not converted, the potential influence on interpretation of the AEMP results is low because with both methods the chlorophyll *a* data still remain within the oligotrophic (very nutrient poor) range that is typical of northern Canadian Lakes. Chlorophyll *a* concentrations have increased relative to baseline in all lakes, including Reference B Lake (Figure 1) but there has been no change in trophic status in both lakes.

In 2025, the change in concentration was greater in Goose Lake than in Reference B Lake in August (both areas of Goose Lake – West Bay and Central Basin) and in September (Goose Lake Central Basin only) but not in July (Table 2). The 2025 concentrations are similar to 2024, suggesting that after the observed increase from 2018 to 2024, chlorophyll *a* concentrations have remained stable with no increasing trend clearly observed during the AEMP monitoring period.

Figure 1: KIA-NWB-14 Chlorophyll a Concentrations in Goose Lake and Reference B Lake, 2011 to 2025

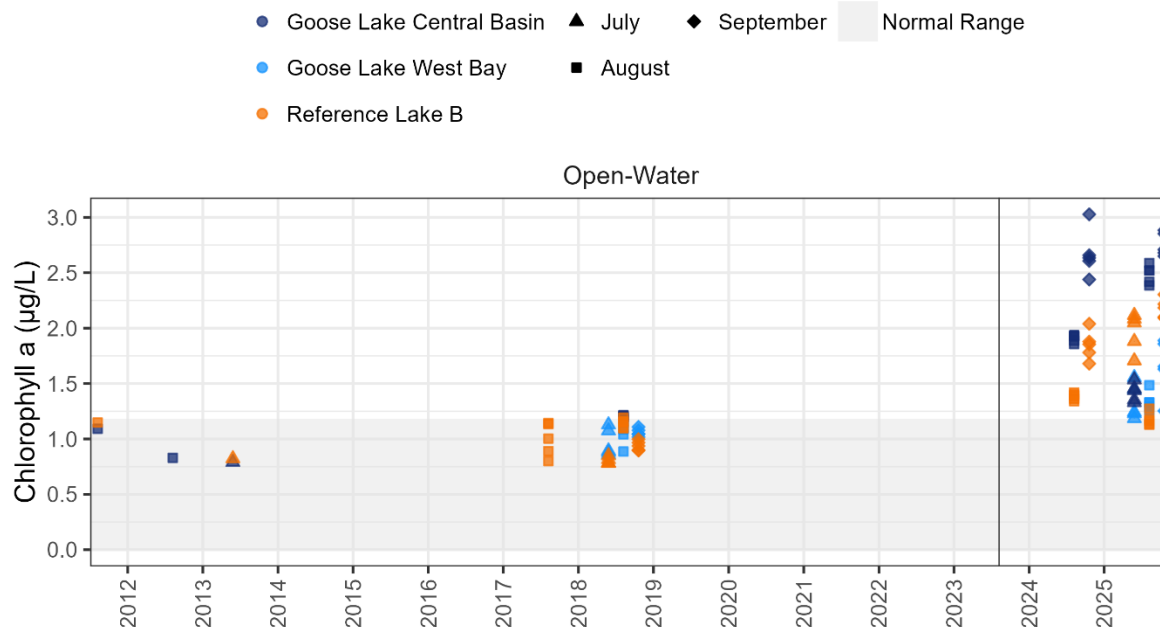


Table 2: KIA-NWB-14 – Median Chlorophyll a Concentrations in Goose Lake and Reference B Lake, 2024 and 2025

Lake	Sampling Area	Month	Year	Median Chlorophyll a Concentration ($\mu\text{g/L}$)
Goose Lake	West Bay	August	2024	1.4
Goose Lake	West Bay	August	2025	1.4
Goose Lake	West Bay	September	2024	1.6
Goose Lake	West Bay	September	2025	1.7
Goose Lake	Central Basin	August	2024	1.9
Goose Lake	Central Basin	August	2025	2.6
Goose Lake	Central Basin	September	2024	2.6
Goose Lake	Central Basin	September	2025	2.7
Reference B Lake	Reference B	August	2024	1.4
Reference B Lake	Reference B	August	2025	1.2
Reference B Lake	Reference B	September	2024	1.8
Reference B Lake	Reference B	September	2025	2.2

3.15 KIA #15

KIA Comment & Request

- More details are needed on the proposed benchmark for nitrite. The current benchmark is the CCME guideline for nitrite. Please explain the validity of using a new benchmark over the CCME guideline.

Additionally, the reports mention that run-off volume could play a crucial role in the exceedances and increasing trends in water quality parameter concentrations. Estimating this could be beneficial in understanding the contribution of each water source and its impact on water quality.

Water quality has changed significantly from baseline conditions and although increasing monitoring efforts are being made, additional mitigation options and approaches are also needed and should be reported (2024, 2025).

- Request: Provide explanations and detailed discussion for increases in water quality parameters that are outside of normal ranges and use of other benchmarks different from 2025. Please provide estimates on the run-off volumes from other water sources and provide explanations on how these may impact the water quality parameters in Goose Lake. Please provide and consider mitigations measures and further actionable items to mitigate changes in water quality.

B2Gold Response

- B2Gold acknowledges KIA's requests and will provide detailed discussion in future annual report for the increases observed in water quality parameters that are outside of normal ranges. Runoff water will continue to be monitored and estimates of volumes from other water sources will be provided when possible. B2Gold continues to explore and implement mitigation measures to improve sitewide water management, including sediment loads to Goose Lake, through the following:
 - Surveys to identify water quality/erosion risks associated with disturbed areas on site to inform additional site-specific erosion control/surface water management requirements.
 - Review of the performance of the existing Ore Stockpile Pond to inform redesign/optimization to improve management of surface water from the Run of Mine (ROM) ore stockpile area.
 - Improvements to maintenance practices for existing erosion control structures such as silt fencing.
 - Exploring the establishment of additional surface water management structures such as sumps, retention ponds, berms etc., informed by site-specific conditions.

To improve freshet readiness programs from 2027 onward, we are also exploring optimizations to contract the construction schedule for some of the noted surface water management structures, including sedimentation pond(s). In summary, we aim to complete the noted

activities, including the establishment of additional site surface water management structures to improve site coverage over the next two years.

3.16 KIA #16

KIA Comment & Request

- The 2024 AEMP reported increasing concentration for several parameter concentrations in the West Bay area of Goose Lake since September 2023. In an attempt to identify the cause of the increased concentrations an investigative sampling program was undertaken. The investigation centered on nitrate, nitrite and cobalt since Low Action Level was exceeded for these Parameters of Interest (POIs). Targeted sampling locations were selected. Several factors were identified as potential causes including:
 - Seepage and runoff from the site
 - Water seeping through the road
 - Contact water could be entering the environment
 - Contaminated soils that were not removed.

The report concludes by stating that without assessing both concentration and flow rate, it is difficult to accurately determine the relative contributions of each stream to changes in the lake. The report does not contemplate any mitigation measures or adaptive management plan to be implemented in order to address the increased concentrations.

- Recommendations: The investigative sampling program provided valuable results, but no follow-up was provided in the write-up. If the nitrate and cobalt concentrations have been increasing over three years, rather than continuous monitoring, mitigation measures should be implemented, rather than spending additional time and resources on determining flow rate. Alternatively, flow rate and analysis could be completed and mitigation measures implemented on the basis of the results.

B2Gold Response

- B2Gold acknowledges KIA's recommendations and is implementing some mitigations measures (e.g., erosion and sediment control) while continuing the investigative sampling to improve the understanding of the sources potentially contributing to the increasing trends observed. Additional mitigations measures such as surface water management structures (e.g., sumps, retention ponds, berms, etc.) informed by site-specific conditions are being designed and will be implemented in the next few years.

3.17 KIA #17

KIA Comment & Request

- Several recommendations were identified in Table 3: Summary of 2025 AGI Observations and Recommendations for the Goose Property. Several of these recommendations had also been identified in the 2024 AGI and were carried over. Recommendations included giving “consideration” to undertaking mitigative action. However, giving consideration to an action will not mitigate an effect that is already occurring. For example, long-term water conveyance through portions of the airstrip should be implemented since soft shoulder conditions may lead to substantial erosion resulting in compromising fish habitat and fish passage.
- Recommendation: Explanation should be provided regarding reasons why the recommendations were not acted upon. Also, information should be provided regarding the nature of the “considerations” and if these will translate into mitigative actions and if not, provide rationale.

B2Gold Response

- B2Gold Nunavut acknowledges KIA’s comments and is providing the following updates:
 - The Rascal Stream East Fish Diversion work is underway. The design is being finalized for submission to the Nunavut Water Board and DFO for approval. The fishway construction is expected to start as soon as approval is granted by the Regulators.

4. REFERENCES

WSP (WSP Canada Inc.). 2025. B2Gold Back River Project – 2024 Surface Water Quality Report. Submitted to B2Gold Back River Corp. WSP Document No. CA0035158.8381-180-Rev0-11000. March 2025.

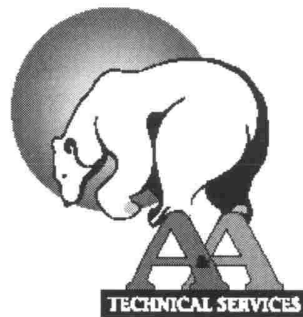
WSP. 2026. B2Gold Back River Project – 2025 Aquatic Effects Management Plan Report. Submitted to B2Gold Back River Corp. WSP Document No. CA0035158.8381-198-R-Rev0-6000. March 2026.

APPENDIX CIRNAC 5

AKMLA FUEL TANK FARM LINER REPAIRS

**A&A Technical Services
Yellowknife NT**

**B2Gold Marine Laydown Area
Fuel Tank Farm – ramp removal liner repairs
June 26 – 30, 2026**

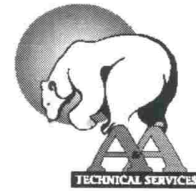


**A&A Technical Services
Yellowknife NT**

**B2Gold Marine Laydown Area
Fuel Tank Farm ramp removal HDPE liner repairs
June 26-30, 2026**

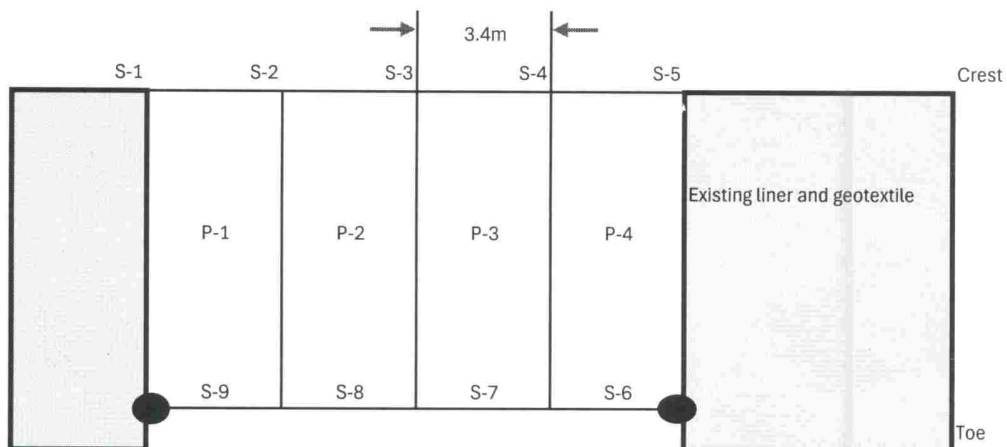
<u>Page</u>	<u>Table of contents</u>
1	Seam and patch drawing.
2	Quality control testing data.
3	Current tensiometer calibration certificate.
4-6	Photo diary.
7	A&A Technical Services warranty.





B2 Gold Marine Laydown Area tank farm - ramp removal liner repairs

Seam and patch locations

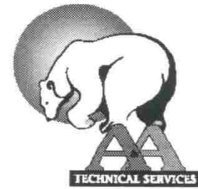


Facing excavated ramp area exiting tank farm

S-1 = Wedge weld seam number

P-1 = HDPE liner panel number

● = Extrusion weld patch



B2 Gold Marine Laydown Area tank farm - ramp removal liner repairs

Extrusion welder prequalification

Extrudite temp: 450 C Hot Air temp. 450 C

Tech. AH

Date	#	ppi (lbs/inch)		Min. ppi (lbs/inch)	Comments
26-Jun-26	1	135		78	All test samples failed outside
26-Jun-26	2	129		78	weld area.
26-Jun-26	3	132		78	
26-Jun-26	4	127		78	
26-Jun-26	5	134		78	

Wedge welder qualification tests

Temp: 450C C Speed setting @ 390

Tech. AH

Peel strength

Date	#	Inside weld	Outside weld	Min. ppi (lbs/inch)	Comments
27-Jun-26	1	132	131	91	All test samples failed outside
27-Jun-26	2	136	132	91	weld area.
27-Jun-26	3	129	131	91	
27-Jun-26	4	132	127	91	
27-Jun-26	5	129	132	91	

Extrusion welder prequalification

Extrudite temp: 450 C - Hot Air temp. 450 C

Tech. AH

Date	#	ppi (lbs/inch)		Min. ppi (lbs/inch)	Comments
28-Jun-26	1	131		78	All test samples failed outside
28-Jun-26	2	140		78	weld area.
28-Jun-26	3	134		78	
28-Jun-26	4	135		78	
28-Jun-26	5	133		78	

Air pressure testing of wedge weld seams

Tech AH	Seam #	Start psi	Finish psi	Pass/Fail	Comments
27-Jun-26	1	35	35	Pass	
27-Jun-26	2	32	32	Pass	
27-Jun-26	3	32	32	Pass	
27-Jun-26	4	32	32	Pass	
27-Jun-26	5	31	31	Pass	
28-Jun-26	6	34	34	Pass	
28-Jun-26	7	36	36	Pass	
28-Jun-26	8	38	38	Pass	
28-Jun-26	9	41	41	Pass	



CALIBRATION CERTIFICATE

Tensiometer Model: Pro-Tester T-0100

Device Calibrated: S-Type load cell Calibration Apparatus:
Range: 0 - 750 lbs. Tension
Model No: M2405-750# Pro-Cal unit, model TC-0100/A
Serial No: 711099

A/D Module Model No: T-029
A/D Module Serial No: 0514711099
Channel No: N/A

Dead Weight: Reference Cell:
W1 2 R1 2
W2 152 R2 152
W3 302 R3 302

Indicator reading with no load: 0

Offset: 1.148881

Scale: 3.269780

Applied Force lbs.

Cell Response:

Deviation Error:

2
52
102
152
202
252
302

2
52
102
152
202
252
302

0.00
0.00
0.00
0.00
0.00
0.00
0.00

Total Deviation Error (%): 0.00%

Temperature at time of calibration: 73 degrees F
Excitation Voltage: 5 V DC

This calibration conforms to the standards set by ASTM E4 and is traceable to NIST standards
Manufacture recommendation to Calibrate load cells annually. Valid for one year of date shown.

Note: A/D Module and load cell above have been systems calibrated and are considered a matched pair. In general, calibrated A/D Modules and load cells are not interchangeable.

TI

Date: 5/6/2026

B2 Gold Marine Laydown -Fuel Tank Farm- HDPE liner repairs June 26-30, 2026
Photo Diary



Removing damaged liner and geotextile



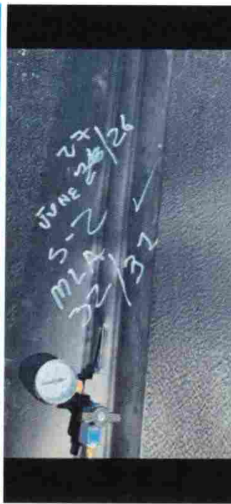
Replacing the geotextile

Washing off liner for inspection and tie in

B2 Gold Marine Laydown -Fuel Tank Farm- HDPE liner repairs June 26-30, 2026
Photo Diary



Wedge welding new liner



Air pressure testing



Extrusion weld peel



Wedge weld peel



Damage by NW sump



Extrusion repair



Final vac box testing at ramp area

B2 Gold Marine Laydown -Fuel Tank Farm- HDPE liner repairs June 26-30, 2026
Photo Diary



Geotextile cover over HDPE liner overlapping onto exposed floor geotextile.

**A&A Technical Services
Yellowknife NT**

B2Gold Marine Laydown Area

**Fuel Tank Farm ramp removal HDPE liner repairs
June 26-30, 2026
Warranty**

The repair area was located beneath ramp 1, which exits the main tank farm. The ramp was excavated, and the damaged underlying geotextile and liner layers were removed.

Approximately two full liner panel widths (13.8) were peeled back and cut horizontally by about 1 m above the floor fill elevation. The berm surface was well compacted, and a small layer of sand was added before the new geotextile was placed.

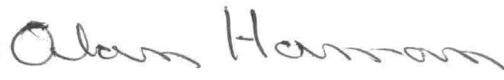
The existing liner was washed off with high pressure water to clean and inspect for any damage prior to tie in.

The only suitable liner on site for repairs was a full half width roll of Textured 60mil HDPE requiring 4 panels to cover the full width of liner removed.

Two patch repairs were also completed: One on the east side of tank five and one located on the berm near the NW corner sump.

Warranties issued by A&A Technical Services shall cover only the cost of replacement and/or repair of defective installations, determined or agreed to be the responsibility of A&A Technical Services, provide that the warranty work will be performed to the same standards and scope of work set out in the contract documents. A&A's installation warranty shall commence upon acceptance of the individual geosynthetic components by the owner or its representative as such components are completed. The installation warranty period shall not exceed beyond 1 year. Our installation warranty is rendered null and void if the installed geosynthetics are subject to abuse by machinery, equipment or personnel not under the control of A&A, harmful chemicals or unusual weather conditions or catastrophic earthworks failures.

A&A Technical Services shall not be held liable for defects, damage and/or deficient materials and installations, either in whole or in part should the defects, damage or deficient materials and installations arise as the result from the use of poor quality and inappropriate or unsuitable earthworks material or site preparation. This limitation of liability extends to improper and/or construction techniques, and methods and equipment used to create the earthworks covering all or any portion of the completed geosynthetic installation.

Signed:  Dated: June 30, 2026

Al Harman
President

APPENDIX CIRNAC 10

TAILINGS WATER QUALITY RESULTS

Tailings Reclaim water from Echo Pit

Date	Shift	Cu (mg/L)	Fe (mg/L)	As (mg/L)	CN WAD (mg/L)	pH
26-Jul	NS	0.03	1.74	<0.01	<0.01	10.925
28-Jul	DS	<0.01	0.12	<0.01	<0.01	8.233
28-Jul	NS				<0.01	9.71
29-Jul	DS	<0.01	0.12	<0.01	<0.001	7.625
03-Aug	NS	<0.01	0.75	<0.01	<0.01	7.445
04-Aug	DS	<0.01	0.12	<0.01	<0.01	7.39
04-Aug	NS	<0.01	0.68	<0.01	<0.01	7.12
05-Aug	DS	0.01	3.5	<0.01		
05-Aug	NS	0.01	0.47	<0.01		
06-Aug	DS	<0.01	0.44	<0.01	<0.01	
06-Aug	NS	<0.01	0.23	0.01	<0.01	
07-Aug	DS	<0.01	0.29	<0.01	<0.01	
07-Aug	NS	0.01	0.22	<0.01	<0.01	
11-Aug	NS	<0.01	0.37	<0.01	<0.01	
12-Aug	DS	<0.01	0.3	0.01		
12-Aug	NS	<0.01	0.06	<0.01		
13-Aug	DS	0.02	0.27	<0.01	<0.01	7.69
13-Aug	NS	0.97	2.65	0.05	<0.01	7.37
14-Aug	DS	<0.01	3.29	<0.01	<0.01	8.07
29-Aug	DS	0.27	2.83	0.06	0.72	6.971
30-Aug	DS	0.54	2.67	0.06	0.06	
12-Sep	DS	0.02	15.75	<0.01		8.05
12-Sep	NS	<0.01	4.02	0.15		8.1
13-Sep	DS	0.01	0.22	0.03		8.85
14-Sep	DS	0.12	5.7	0.01	<0.01	7.84
15-Sep	DS	0.13	6.89	0.02	<0.01	8.56
15-Sep	NS	0.16	7.22	0.04	<0.01	7.98
16-Sep	DS	<0.01	0.17	<0.01	<0.01	8.21
16-Sep	NS	<0.01	2.9	0.02	<0.01	8.78
17-Sep	NS	<0.01	0.15	0.01	<0.01	7.69
18-Sep	DS	<0.01	0.71	<0.01	<0.01	7.75
18-Sep	NS	0.02	0.06	<0.01	<0.01	8.33
19-Sep	DS	0.03	0.55	<0.01	<0.01	7.99
19-Sep	NS	<0.01	<0.01	<0.01	<0.01	7.84
20-Sep	DS	<0.01	2.07	0.04	<0.01	7.93
20-Sep	NS	<0.01	<0.01	<0.01	<0.01	8.13
21-Sep	DS	<0.01	9.23	<0.01	<0.01	8.11
21-Sep	NS	<0.01	<0.01	0.01	<0.01	7.95
22-Sep	DS	<0.01	9.42	<0.01	<0.01	8.37
22-Sep	NS	<0.01	<0.01	<0.01	<0.01	8.5
23-Sep	DS	<0.01	2.88	0.01	<0.01	7.98
23-Sep	NS	<0.01	<0.01	<0.01	<0.01	8.23

Tailings Reclaim water from Echo Pit						
Date	Shift	Cu (mg/L)	Fe (mg/L)	As (mg/L)	CN WAD (mg/L)	pH
24-Sep	DS	<0.01	2.37	0.02	<0.01	7.3
24-Sep	NS	<0.01	0.09	0.02	<0.01	8.04
25-Sep	DS	<0.01	3.14	<0.01	0.16	8.37
25-Sep	NS	0.01	0.02	0.01	<0.01	8.5
26-Sep	DS	<0.01	3.08	<0.01	0.16	10.95
26-Sep	NS	0.02	<0.01	0.04	<0.01	8.45
27-Sep	NS				<0.01	6.98
28-Sep	DS	4.22	2.04	<0.01	<0.01	8.49
28-Sep	NS	0.26	1.14	0.73	<0.01	7
29-Sep	DS	0.04	2.15	0.08	<0.01	8.98
29-Sep	NS	0.01	4.83	0.02	<0.01	7.76
30-Sep	DS	0.16	0.42	0.02	<0.01	8.66
30-Sep	NS	1.75	2.97	0.14	<0.01	7.08
01-Oct	DS	<0.01	7.49	<0.01	0.32	8.388
01-Oct	NS	0.12	1.19	0.21	<0.01	7.218
02-Oct	DS	0.01	1.8	0.02	<0.01	8.035
02-Oct	NS	0.03	0.63	0.04	<0.01	7
03-Oct	DS	0.02	2.12	0.04	<0.01	8.61
03-Oct	NS	0.12	3.17	0.02	<0.01	NS
04-Oct	DS	0.12	3.17	0.02	<0.01	8.297
05-Oct	DS	0.01	5.73	0.02	<0.01	8.859
05-Oct	NS	0.02	4.9	0.13		
07-Oct	DS	0.01	0.56	0.04	0.38	8.557
21-Oct	DS	2.43	3.89	0.08	<0.02	6.738
21-Oct	NS	0.07	1.23	0.02		6.711
23-Oct	DS	0.01	0.96	0.03	<0.01	6.89
23-Oct	NS	0.03	2.59	<0.01	0.76	7.87
25-Oct	DS	0.01	0.97	<0.01	<0.01	7.73
26-Oct	DS	<0.01	0.78	<0.01		7.52
26-Oct	NS	<0.01	0.02	0.02	0.28	7.82
27-Oct	DS	<0.01	7.55	<0.01	0.48	7.36
27-Oct	NS	<0.01	12.86	0.01	1.14	8.12
28-Oct	DS				0.9	8.04
28-Oct	NS	<0.01	2.39	<0.01	2.1	7.75
29-Oct	DS	<0.01	0.65	<0.01	0.08	7.83
29-Oct	NS	<0.01	5.8	<0.01	0.5	8.23
30-Oct	DS	<0.01	5.28	<0.01	1.1	6.45
30-Oct	NS	0.17	2.81	0.01	0.3	7.54
31-Oct	NS	0.18	0.83	<0.01	<0.01	7.98
01-Nov	NS				<0.01	8.06
02-Nov	DS	0.04	10.63	0.01	0.06	7.56
02-Nov	NS	0.08	6.08	<0.01	0.12	8.07

Tailings Reclaim water from Echo Pit						
Date	Shift	Cu (mg/L)	Fe (mg/L)	As (mg/L)	CN WAD (mg/L)	pH
03-Nov	NS	0.03	2.08	0.04	0.82	7.83
04-Nov	DS	0.03	2.77	0.26	0.94	7.97
04-Nov	NS	0.05	4.97	0.11	1.42	7.79
05-Nov	NS	0.03	4.58	0.03	0.42	7.88
06-Nov	DS	0.02	0.67	0.27	0.06	7.94
06-Nov	NS	0.06	4.15	0.04	0.48	7.96
07-Nov	NS	0.02	0.7	0.06	<0.01	8.04
08-Nov	DS	0.02	4.12	0.26	0.96	7.81
08-Nov	NS	0.04	1.5	0.08	<0.01	8.27
10-Nov	NS	<0.01	1.22	0.03	<0.01	7.99
11-Nov	NS	0.02	0.74	0.01	0.1	7.98
12-Nov	NS	0.02	1.21	0.01	0.2	7.665
24-Nov	NS	0.01	0.53	0.03	0.06	7.004
04-Dec	NS	0.04	0.25	0.11	<0.01	7.2
05-Dec	DS	<0.01	0.37	0.06	0.06	7.49
06-Dec	NS	0.04	0.35	0.28	0.16	8.62
07-Dec	DS	<0.01	5.27	0.01	0.04	7.79
07-Dec	NS	0.09	0.33	0.22	<0.01	8.21
08-Dec	NS	<0.01	0.46	0.17	<0.01	7.1
09-Dec	DS	<0.01	1.19	<0.01	<0.01	8
10-Dec	NS	0.06	0.59	0.2	<0.01	7.78
11-Dec	NS	0.01	0.31	0.14	<0.01	8.05
14-Dec	NS	<0.01	1.38	0.02	<0.01	7.89

APPENDIX KIA 08

BRP-01 WATER QUALITY AND FLOW RESULTS



Dewatering Discharge - 2025 BRP-01 (confluence of both BRP-02 and BRP-06).

Date	Time	Sample ID	IN-SITU								INTERNAL ANALYSIS		
			Temp	DO%	DO mg/L	SPC	EC	ORP	pH	NTU	pH	Turbidity NTU	TSS (mg/L)
2025-07-13	AM	BRP-01	-	-	-	-	-	-	-	-	-	0.63	4
2025-07-14	PM	BRP-01	-	-	-	-	-	-	-	-	-	0.58	1
2025-07-15	AM	BRP-01	-	-	-	-	-	-	-	-	-	1.16	23
	PM		-	-	-	-	-	-	-	-	-	1.38	1
2025-07-16	AM	BRP-01	-	-	-	-	-	-	-	-	-	1.83	1
	PM		-	-	-	-	-	-	-	-	-	1.34	2
2025-07-17	-	BRP-01	-	-	-	-	-	-	-	-	-	-	0
	PM		-	-	-	-	-	-	-	-	7.09	72.60	120
2025-07-18	AM	BRP-01	-	-	-	-	-	-	-	-	7.52	101.00	193
	PM		-	-	-	-	-	-	-	-	7.24	11.40	20
2025-07-19	AM	BRP-01	-	-	-	-	-	-	-	-	7.36	2.53	7
	PM		-	-	-	-	-	-	-	-	7.93	1.54	6
2025-07-20	AM	BRP-01	11.5	98.2	10.70	83.9	62.3	171.2	7.17	9.25	7.63	1.79	9
	PM		12.0	101.1	10.89	82.3	61.9	165.1	6.88	2.00	7.74	4.48	7
2025-07-21	AM	BRP-01	9.7	98.5	11.19	82.8	58.6	205.3	6.91	0.55	7.71	1.07	1
	PM		11.1	98.4	10.81	81.0	59.5	262.6	6.63	0.00	7.40	0.69	2
2025-07-22	AM	BRP-01	6.9	93.2	11.32	95.4	62.4	114.5	6.81	0.04	7.57	0.97	1
	PM		8.5	95.8	11.19	92.9	63.7	232.7	6.74	0.00	7.18	1.31	1
2025-07-23	AM	BRP-01	6.7	97.7	11.95	85.4	55.6	236.3	6.91	0.00	7.49	0.57	3
	PM		10.9	98.3	10.87	83.6	61.1	236.1	6.70	0.00	7.56	0.67	2
2025-07-24	AM	BRP-01	8.1	97.8	11.54	85.2	57.7	227.9	6.99	0.55	7.00	1.04	1
	PM		11.5	99.0	10.80	100.2	74.3	190.7	6.72	0.23	7.05	2.79	6
2025-07-25	AM	BRP-01	8.7	96.1	11.17	100.6	69.4	171.3	6.75	0.00	7.23	0.80	1
	PM		9.8	96.1	10.90	99.7	70.7	235.4	6.79	0.00	6.92	1.00	4
2025-07-26	AM	BRP-01	7.0	92.8	11.28	102.1	66.9	238.7	6.62	0.00	7.74	0.61	1
	PM		12.0	95.5	10.30	81.1	60.9	218.2	6.66	0.00	7.28	0.64	3



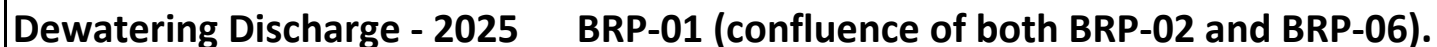
Dewatering Discharge - 2025 BRP-01 (confluence of both BRP-02 and BRP-06).

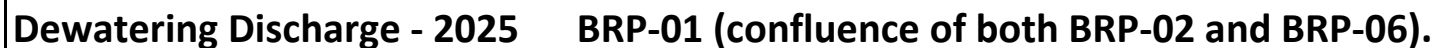
Date	Time	Sample ID	IN-SITU								INTERNAL ANALYSIS		
			Temp	DO%	DO mg/L	SPC	EC	ORP	pH	NTU	pH	Turbidity NTU	TSS (mg/L)
2025-07-27	AM	BRP-01	7.8	94.8	11.29	83.1	55.7	231.5	6.71	0.00	7.45	0.75	1
	PM		9.6	96.2	10.95	82.8	58.6	261.3	6.59	0.00	7.88	0.96	1
2025-07-28	AM	BRP-01	8.5	97.7	11.43	81.4	55.8	197.5	6.85	0.00	7.54	0.54	1
	PM		9.2	100.3	11.54	80.3	56.0	226.7	6.89	0.30	7.28	0.89	5
2025-07-29	AM	BRP-01	11.0	100.6	11.10	81.1	59.3	255.6	6.77	1.28	6.51	0.54	5
	PM		16.2	98.5	9.69	81.6	67.9	269.8	6.74	0.00	6.92	0.83	4
2025-07-30	AM	BRP-01	11.4	95.3	10.41	83.5	61.8	181.3	6.67	0.49	6.91	0.83	1
	PM		15.7	98.5	9.78	83.6	68.8	242.7	6.76	0.49	6.84	1.07	6
2025-07-31	AM	BRP-01	14.4	95.4	9.73	76.4	61.0	330.8	6.58	0.33	7.51	1.50	3
	PM		18.3	94.7	8.91	83.5	72.8	246.9	6.62	0.00	7.21	0.59	10
2025-08-01	AM	BRP-01	12.7	94.3	10.01	82.9	63.4	240.8	6.72	0.00	7.21	0.85	4
	PM		12.7	94.5	10.02	81.9	62.6	286.3	6.69	0.27	6.99	1.52	3
2025-08-02	AM	BRP-01	10.8	95.3	10.57	84.6	61.6	171.1	6.77		7.36	0.62	11
	PM		-	-	-	-	-	-	-	-	-	-	1
2025-08-03	AM	BRP-01	17.4	89.3	8.78	91.3	77.4	234.5	6.66	0.00	6.59	1.04	1
	PM		18.7	96.6	9.02	88.8	78.2	246.6	6.53	0.00	7.27	0.85	1
2025-08-04	AM	BRP-01	14.0	94.9	9.77	84.5	66.8	235.0	6.75	0.15	6.83	0.88	1
	PM		18.3	97.5	9.16	85.4	74.5	241.2	6.81	0.11	6.86	0.49	1
2025-08-05	AM	BRP-01	15.0	94.0	9.48	83.6	67.6	264.9	6.84	0.36	6.20	0.92	3
	PM		16.2	94.8	9.32	84.1	69.9	298.2	6.77	1.00	7.09	1.77	9
2025-08-06	AM	BRP-01	8.1	93.3	11.02	86.4	58.5	133.6	7.03	4.80	7.63	3.00	7
	PM		12.3	98.7	10.57	84.8	64.2	275.0	7.01	0.79	7.42	1.03	9
2025-08-07	AM	BRP-01	11.7	96.6	10.47	85.1	63.6	260.6	6.87	0.40	7.37	0.63	15
	PM		-	-	-	-	-	-	-	-			1
2025-08-08	AM	BRP-01	9.8	96.6	10.99	86.9	61.6	234.3	7.15	0.96	8.03	1.10	2
	PM		11.6	97.2	10.56	86.7	64.6	279.0	7.08	0.62	6.28	2.13	4

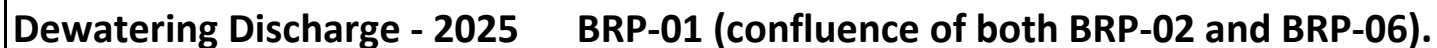


Dewatering Discharge - 2025 BRP-01 (confluence of both BRP-02 and BRP-06).

Date	Time	Sample ID	IN-SITU								INTERNAL ANALYSIS		
			Temp	DO%	DO mg/L	SPC	EC	ORP	pH	NTU	pH	Turbidity NTU	TSS (mg/L)
2025-08-09	AM	BRP-01	11.4	96.5	10.55	87.7	64.9	247.7	6.96	0.00	7.74	1.44	7
	PM		16.9	102.0	9.87	87.0	73.6	280.7	6.81	0.74	7.47	1.56	3
2025-08-10	AM	BRP-01	14.8	99.8	10.10	110.1	88.7	193.7	6.98	1.02	7.72	2.16	1
	PM		14.7	97.7	9.91	99.9	80.3	323.0	6.81	1.21	7.23	2.34	7
2025-08-11	AM	BRP-01	9.9	98.8	11.17	89.3	63.6	259.0	6.92	0.69	7.68	1.31	2
	PM		12.4	99.2	10.60	91.3	69.2	245.3	6.96	0.54	7.58	1.49	7
2025-08-12	AM	BRP-01	11.7	98.7	10.72	90.1	67.2	246.6	6.99	0.38	7.80	0.84	1
	PM		16.8	101.3	9.82	88.8	74.9	275.9	6.78	0.25	6.49	0.98	8
2025-08-13	AM	BRP-01	11.0	95.0	10.48	89.4	65.5	240.6	6.82	0.42	8.38	0.82	9
	PM		14.6	99.9	10.16	90.3	72.3	255.8	6.91	0.37	7.80	1.01	1
2025-08-14	AM	BRP-01	13.9	98.3	10.14	93.0	73.4	265.1	6.82	1.24	8.03	2.45	1
	PM		16.5	100.9	9.86	94.5	79.1	278.5	6.79	1.07	7.68	2.24	7
2025-08-15	AM	BRP-01	12.9	97.8	10.32	91.7	70.6	178.1	6.91	0.92	6.79	2.02	1
	PM		17.0	100.7	9.73	91.6	77.6	254.6	6.77	1.01	7.61	2.18	4
2025-08-16	AM	BRP-01	-	-	-	-	-	-	-	-	-	-	1
	PM		17.2	101.4	9.87	93.2	78.3	262.5	6.82	0.83	6.76	0.96	7
2025-08-17	AM	BRP-01	15.2	96.2	9.67	109.4	88.9	105.2	6.95	1.04	7.30	1.66	4
	PM		18.7	95.3	8.89	126.3	111.1	158.4	6.72	0.96	6.88	1.42	12
2025-08-18	AM	BRP-01	14.4	97.0	9.91	104.1	83.0	198.7	6.88	1.07	6.96	2.12	3
	PM		14.9	96.8	9.78	89.3	72.1	217.0	6.94	0.99	6.98	1.88	15
2025-08-19	AM	BRP-01	12.5	93.1	9.91	111.5	85.0	269.9	6.76	1.01	7.18	1.94	2
	PM		14.4	96.0	9.80	101.8	81.3	272.5	6.87	1.07	7.09	2.13	5
2025-08-20	AM	BRP-01	14.0	97.2	10.02	96.3	76.1	239.7	6.88	0.96	7.33	1.85	4
	PM		18.2	99.0	9.33	98.0	85.3	289.2	6.76	0.92	7.08	1.70	11
2025-08-21	AM	BRP-01	-	-	-	-	-	-	-	-	-	-	-
	PM		19.6	96.3	8.83	114.3	102.5	272.5	6.76	0.98	7.45	2.62	2

[illegible]

[illegible]

[illegible]



Llama Lake Dewatering Flowmeter Tracking - 2025

Date	Time	Reading (m ³)	six pack	Flow (m ³ /Hr)	Daily Total (m ³)	Montly Total (m ³)
2025-07-12	1:00 PM	0		0	0	
2025-07-12	1:50 PM	702.4		491	702.4	
2025-07-13	1:52 PM	5424.6		493	4722.2	
2025-07-14	11:17 AM	8708.6		493	3284	
2025-07-15	5:52 AM	16687.5		429	7978.9	
2025-07-16	7:00 AM	26712.9		429	10025.4	
2025-07-17	7:30 AM	36536.6		427	9823.7	
2025-07-18	9:15 AM	42012.2		0	5475.6	
2025-07-19	7:10 AM	49117.2		372	7105	
2025-07-20	8:39 AM	59441.4		400	10324.2	
2025-07-21	3:56 PM	71984.03		406	12542.63	
2025-07-21	4:01 PM	72020.2		408	36.17	
2025-07-22	8:47 AM	76274.1		0	4253.9	
2025-07-23	1:10 PM	84816.4		376	8542.3	
2025-07-24	7:16 AM	91928.276		390	7111.876	
2025-07-25	7:41 AM	103190.68		485	11262.404	
2025-07-25	4:28 PM	107432.59		487	4241.91	
2025-07-26	7:13 AM	114543.5		478	7110.91	
2025-07-27	8:31 AM	126448.24		374	11904.74	
2025-07-28	8:25 AM	136190.98		377	9742.74	
2025-07-29	8:38 AM	145290.7		399	9099.72	
2025-07-30	8:14 AM	154910.59		411	9619.89	
2025-07-31	8:19 AM	162289.1		307	7378.51	
2025-08-01	8:05 AM	168900.51		310	6611.41	
2025-08-02	6:30 AM	177414.82		399	8514.31	
2025-08-04	8:15 AM	201237.17		595	23822.35	
2025-08-05	4:00 PM	220359.29		606	19122.12	
2025-08-06	7:32 AM	229752.4		600	9393.11	
2025-08-07	1:15PM	248928.5		0	19176.1	
2025-08-08	7:55 AM	262059		737	13130.5	
2025-08-09	7:02 AM	279150.29		739	17091.29	
2025-08-10	7:44 AM	294942.77		607	15792.48	
2025-08-11	8:16 AM	307655.97		468	12713.2	
2025-08-12	8:37 AM	322271.99		748	14616.02	
2025-08-13	7:55 AM	338193.89		0	15921.9	
2025-08-14	8:42 AM	354430.47		668	16236.58	
2025-08-15	9:08 AM	368611.76		666	14181.29	
2025-08-16	1:24 PM	385024.91		0	16413.15	
2025-08-17	8:05 AM	396773.21		0	11748.3	
2025-08-18	2:27 PM	407152.67		557	10379.46	
2025-08-19	9:21 AM	417320.73		0	10168.06	



Llama Lake Dewatering Flowmeter Tracking - 2025

Date	Time	Reading (m ³)	six pack	Flow (m ³ /Hr)	Daily Total (m ³)	Montly Total (m ³)
2025-08-20	8:45 AM	430036.3		629	12715.57	336548.16
2025-08-21	8:15 AM	443599.63		0	13563.33	
2025-08-22	8:59 AM	451303.23		0	7703.6	
2025-08-23	1:39 PM	451709.77		0	406.54	
2025-08-24	7:41 AM	457764.84		398	6055.07	
2025-08-25	-	-		-	-	
2025-08-26	-	-		-	-	
2025-08-27	8:54 AM	490274.49		0	-	
2025-08-28	7:18 AM	500910.71		0	10636.22	
2025-08-29	6:48 AM	510073.56		0	9162.85	
2025-08-30	7:22 AM	523154.12		527	13080.56	
2025-08-31	7:49 AM	531346.91		0	8192.79	
2025-09-01	1:19 PM	533957.35		0	2610.44	
2025-09-02	-	-		-	-	
2025-09-03	-	-		-	-	
2025-09-04	-	-		-	-	
2025-09-05	-	-		-	-	
2025-09-06	-	-		-	-	
2025-09-07	-	-		-	-	
2025-09-08	-	-		-	-	
2025-09-09	-	-		-	-	
2025-09-10	-	-		-	-	
2025-09-11	-	-		-	-	
2025-09-12	-	-		-	-	
2025-09-13	-	-		-	-	
2025-09-14	-	-		-	-	
2025-09-15	-	-		-	-	
2025-09-16	-	-		-	-	
2025-09-17	-	-		-	-	
2025-09-18	-	-		-	-	
2025-09-19	-	-		-	-	
2025-09-20	1:05 PM	591534.91		0	-	
2025-09-21	-	-		-	-	
2025-09-22	-	-		-	-	
2025-09-23	-	-		-	-	
2025-09-24	9:19 AM	599989.77		364	8454.86	
2025-09-25	-	-	313831	-	-	
2025-09-26	-	-	-	-	-	
2025-09-27	-	-	-	-	-	
2025-09-28	-	-	-	-	-	
2025-09-29		605064.00	342026.10		5074.23	



Llama Lake Dewatering Flowmeter Tracking - 2025

Date	Time	Reading (m ³)	six pack	Flow (m ³ /Hr)	Daily Total (m ³)	Montly Total (m ³)
2025-09-30	10:35 AM	-	345105.00	494		16139.53
2025-10-01	9:13 AM	609889.00	353274.99	607	4825.00	
2025-10-02	8:30 AM	613043.67	358127.15	206	3154.67	
2025-10-03	2:12 PM	618977.17	358127.15	204	5933.50	
2025-10-04	1:45 PM	623685.59	370763.16	580	4708.42	
2025-10-05	9:27 AM	624688.01	373809.87	0	1002.42	19624.01



Umwelt Lake Dewatering Flowmeter Tracking - 2025

Date	Time	Reading (m ³)	Flow (m ³ /Hr)	Daily Total (m ³)	Montly Total (m ³)
2025-07-14	2:30 PM	0	0	0	101759.25
2025-07-14	3:37 PM	707.35	665	707.35	
2025-07-15	5:43 AM	7452.55	345	6745.2	
2025-07-16	7:00 AM	22633.9	624	15181.35	
2025-07-17	7:39 AM	38087.5	626	15453.6	
2025-07-18	9:06 AM	47282.6	359	9195.1	
2025-07-19	7:17 AM	55254	400	7971.4	
2025-07-20	8:48 AM	65233.7	399	9979.7	
2025-07-21	3:46 PM	77294.72	410	12061.02	
2025-07-21	4:07 PM	77435.1	408	140.38	
2025-07-22	8:40 AM	83465.0	397	6029.9	
2025-07-23	2:00 PM	94953.4	391	11488.4	
2025-07-24	7:07 AM	101612.05	394	6658.65	
2025-07-25	4:35 PM	-	-	-	
2025-07-26	7:06 AM	101759.25	-	147.2	
2025-07-27	8:20 AM	-	-	-	
2025-07-28	8:02 AM	-	-	-	
2025-07-29	8:32 AM	-	-	-	
2025-07-30	8:13 AM	-	-	-	
2025-07-31	8:10 AM	-	-	-	
2025-08-01	8:10 AM	-	-	-	
2025-08-02	6:00 AM	-	-	-	
2025-08-03		-	-	-	
2025-08-04	8:00 AM	-	-	-	
2025-08-05		-	-	-	
2025-08-06		-	-	-	
2025-08-07	1:00PM	-	-	-	
2025-08-08	8:00 AM	-	-	-	
2025-08-09	6:56 AM	111233.47	508	9474.22	
2025-08-10	7:38 AM	122756.70	554	11523.23	
2025-08-11	8:41 AM	136418.02	531	13661.32	
2025-08-12	9:36 AM	149590.75	498	13172.73	
2025-08-13	7:48 AM	160647.67	500	11056.92	
2025-08-14	10:30 AM	173591.00	492	12943.33	
2025-08-15	9:01 AM	184659.26	481	11068.26	
2025-08-16	1:17 PM	197553.21	332	12893.95	
2025-08-17	8:50 AM	203622.59	330	6069.38	
2025-08-18	10:11 AM	211944.58	328	8321.99	
2025-08-19	9:03 AM	217187.26	315	5242.68	
2025-08-20	8:39 AM	224551.41	309	7364.15	
2025-08-21	7:57 AM	230409.14	0	5857.73	
2025-08-22	8:50 AM	239150.14	590	8741	



Umwelt Lake Dewatering Flowmeter Tracking - 2025

Date	Time	Reading (m ³)	Flow (m ³ /Hr)	Daily Total (m ³)	Montly Total (m ³)
2025-08-23	9:10 AM	239156.30	0	6.16	189983.76 0
2025-08-24	8:07 AM	253838.5	611	14682.2	
2025-08-25	9:42 AM	265764.8	301	11926.3	
2025-08-26	-	-	-	-	
2025-08-27	9:27 AM	277779.4	0	-	
2025-08-28	7:30 AM	280001.0	296	2221.6	
2025-08-29	7:10 AM	290149.65	295	10148.65	
2025-08-30	7:41 AM	297282.62	0	7132.97	
2025-08-31	7:30 AM	303757.61	0	6474.99	
2025-09-01	7:41 AM	303757.61	0	0	

**Attention: Chris LeGoffe**

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/10/07
Report #: R3718617
Version: 4 - Final

CERTIFICATE OF ANALYSIS**BUREAU VERITAS JOB #: C575562****Received: 2025/09/03, 12:30**

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Low Level (1)	2	N/A	2025/09/05	AB SOP-00005	SM 24 2320 B m
Low level chloride/sulphate by AC (1)	2	N/A	2025/09/05	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total) (1)	2	N/A	2025/09/07	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (1)	2	N/A	2025/09/07	CAL SOP-00270	SM 24 4500-CN m
Carbon (DOC) (1, 3)	2	N/A	2025/09/16	AB SOP-00087	MMCW 119 1996 m
Conductance - Low Level (1)	2	N/A	2025/09/05	AB SOP-00005	SM 24 2510 B m
Fluoride - Low Level (1)	2	N/A	2025/09/05	AB SOP-00005	SM 24 4500-F C m
Free Cyanide (1)	2	N/A	2025/09/07	CAL SOP-00270	Skalar I291-301w/r m
Sulphide (as H ₂ S) (1)	2	N/A	2025/09/09		Auto Calc
Hardness Total (calculated as CaCO ₃) (1, 4)	2	N/A	2025/09/10	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO ₃) (1)	2	N/A	2025/09/06	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV (1, 5)	2	2025/09/09	2025/09/09	AB SOP-00084	BCMOE BCLM Oct2013 m
Mercury (Total) by CV (1)	2	2025/09/09	2025/09/09	AB SOP-00084	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (1)	2	N/A	2025/09/06		Auto Calc
Elements by CRC ICPMS (dissolved) (1, 5)	2	N/A	2025/09/06	AB SOP-00043	EPA 6020 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	2	2025/09/04	2025/09/10		Auto Calc
Elements by CRC ICPMS (total) (1)	2	2025/09/09	2025/09/09	AB SOP-00043	EPA 6020 m
Un-Ionized Ammonia (NH ₃) as N (1)	2	N/A	2025/09/09		Auto Calc
Ammonia-N Low Level (Preserved) (1)	2	N/A	2025/09/09	AB SOP-00007	SM 24 4500 NH ₃ A G m
Nitrate and Nitrite (1)	2	N/A	2025/09/06		Auto Calc
NO ₂ (N); NO ₂ (N) + NO ₃ (N) in Water (LL) (1)	2	N/A	2025/09/05	AB SOP-00091	SM 24 4500 NO ₃ m
Nitrate (as N) (Low Level) (1)	2	2025/09/04	2025/09/06		Auto Calc
pH @25°C (1, 6)	2	N/A	2025/09/05	AB SOP-00005	SM 24 4500-H+B m
pH (Field) (1)	2	N/A	2025/09/04	Field Test	Field Test
Redox Potential (OnSite-Field) (1)	2	N/A	2025/09/04	Field Test	Field Test
Total Sulphide (1)	2	2025/09/09	2025/09/09	AB SOP-00080	SM 24 4500 S ₂ -A D Fm
Total Dissolved Solids (Filt. Residue) (1)	2	2025/09/05	2025/09/06	AB SOP-00065	SM 24 2540 C m
Total Dissolved Solids (Calculated) (1)	2	N/A	2025/09/06		Auto Calc
Temperature (Field) (1)	2	N/A	2025/09/04	Field Test	Field Test
Total Kjeldahl Nitrogen (Total) (1)	1	N/A	2025/09/08		Auto Calc
Total Kjeldahl Nitrogen (Total) (1)	1	N/A	2025/09/09		Auto Calc



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/10/07
Report #: R3718617
Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C575562

Received: 2025/09/03, 12:30

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Nitrogen (Total) (1)	1	2025/09/06	2025/09/08	AB SOP-00093	SM 24 4500-N C m
Nitrogen (Total) (1)	1	2025/09/06	2025/09/09	AB SOP-00093	SM 24 4500-N C m
Carbon (Total Organic) (1, 7)	2	N/A	2025/09/16	AB SOP-00087	MMCW 119 1996 m
Total Phosphorus Low Level Total (1)	2	2025/09/06	2025/09/08	AB SOP-00024	SM 24 4500-P A,B,F m
Total Suspended Solids (NFR) (1)	2	2025/09/05	2025/09/05	AB SOP-00061	SM 24 2540 D m
Turbidity (1)	2	N/A	2025/09/04	CAL SOP-00081	SM 24 2130 B m
Radium-226 Low Level (2, 8)	2	N/A	2025/10/06	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8

(2) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Rd., Unit 4, Mississauga, Ontario, L5N 5L9



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/10/07
Report #: R3718617
Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C575562

Received: 2025/09/03, 12:30

- (3) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (4) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
- (5) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (6) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.
- (7) TOC present in the sample should be considered as non-purgeable TOC.
- (8) Radium-226 results have not been corrected for blanks.

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas
07 Oct 2025 15:18:35

Please direct all questions regarding this Certificate of Analysis to:
Stephanie Rodriguez Camacho, Customer Solutions Representative
Email: Stephanie.Rodriguez@bureauveritas.com
Phone# (780) 577-7100

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C575562

Report Date: 2025/10/07

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSE538		DSE539		
Sampling Date		2025/09/02 14:00		2025/09/02 14:00		
COC Number		1OF1		1OF1		
	UNITS	BRP-01	QC Batch	BRP-DUP	RDL	QC Batch
Calculated Parameters						
Dissolved Hardness (CaCO ₃)	mg/L	34.9	C072599	34.6	0.50	C072599
Total Hardness (CaCO ₃)	mg/L	35.2	C072498	36.0	0.50	C072498
Dissolved Nitrate (N)	mg/L	0.0060	C073099	0.0062	0.0030	C073099
Nitrate (NO ₃)	mg/L	0.027	C073805	0.027	0.013	C073805
Nitrite (NO ₂)	mg/L	<0.0033	C073805	<0.0033	0.0033	C073805
Sulphide (as H ₂ S)	mg/L	<0.0020	C073519	<0.0020	0.0020	C073519
Calculated Total Dissolved Solids	mg/L	47	C073833	45	10	C073833
Total Total Kjeldahl Nitrogen (Calc)	mg/L	0.26	C073627	0.23	0.020	C073627
Un-Ionized Ammonia	mg/L	<0.00050	C073987	<0.00050	0.00050	C073987
Field Parameters						
Field pH	pH	7.01	ONSITE	7.01	N/A	ONSITE
Field Redox Potential	mV	295.8	ONSITE	295.8	N/A	ONSITE
Field Temperature (Fd)	deg. C	9.2	ONSITE	9.2	N/A	ONSITE
Misc. Inorganics						
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.00073	C076165	0.00051 (1)	0.00050	C076165
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (2)	C076199	<0.00050 (2)	0.00050	C076199
Fluoride (F)	mg/L	0.028	C075233	0.027	0.010	C075233
Free Free Cyanide	mg/L	0.00066	C076200	0.00064	0.00050	C076200
Dissolved Organic Carbon (C)	mg/L	3.6	C087199	3.5	0.20	C087199
pH	pH	6.16	C075230	6.11	N/A	C075230
Alkalinity (Total as CaCO ₃)	mg/L	8.11	C075225	8.53	0.50	C075225
Total Organic Carbon (C)	mg/L	3.4	C087288	4.0	0.20	C087288
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	C075225	<0.50	0.50	C075225
Bicarbonate (HCO ₃)	mg/L	9.89	C075225	10.4	0.50	C075225
Carbonate (CO ₃)	mg/L	<0.50	C075225	<0.50	0.50	C075225
Hydroxide (OH)	mg/L	<0.50	C075225	<0.50	0.50	C075225
RDL = Reportable Detection Limit N/A = Not Applicable (1) SAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent. (2) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.						



RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSE538		DSE539		
Sampling Date		2025/09/02 14:00		2025/09/02 14:00		
COC Number		1OF1		1OF1		
	UNITS	BRP-01	QC Batch	BRP-DUP	RDL	QC Batch
Total Dissolved Solids	mg/L	60	C074175	60	10	C074175
Total Suspended Solids	mg/L	8.6	C074197	9.0	1.0	C074197
Anions						
Total Sulphide	mg/L	<0.0018	C078540	<0.0018	0.0018	C078540
Chloride (Cl)	mg/L	9.2	C075333	9.1	0.50	C075333
Sulphate (SO ₄)	mg/L	19	C075333	18	0.50	C075333
Nutrients						
Total Phosphorus (P)	mg/L	0.0085	C076323	0.0072	0.0010	C076323
Total Ammonia (N)	mg/L	0.0087	C078487	0.0080	0.0050	C078487
Dissolved Nitrite (N)	mg/L	<0.0010	C074511	<0.0010	0.0010	C074511
Dissolved Nitrate plus Nitrite (N)	mg/L	0.0060	C074511	0.0062	0.0030	C074511
Total Nitrogen (N)	mg/L	0.27	C076107	0.24	0.020	C076105
Physical Properties						
Conductivity	uS/cm	91.1	C075231	92.3	1.0	C075231
RADIONUCLIDE						
Radium 226	Bq/l	<0.0050	C114600	<0.0050	0.0050	C114600
Physical Properties						
Turbidity	NTU	5.2	C073856	5.0	0.10	C073856
RDL = Reportable Detection Limit						



MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DSE538	DSE539		
Sampling Date		2025/09/02 14:00	2025/09/02 14:00		
COC Number		1OF1	1OF1		
	UNITS	BRP-01	BRP-DUP	RDL	QC Batch
Elements					
Dissolved Mercury (Hg)	mg/L	<0.0000019	<0.0000019	0.0000019	C078466
Total Mercury (Hg)	mg/L	<0.0000019	<0.0000019	0.0000019	C078471
RDL = Reportable Detection Limit					



BUREAU
VERITAS

Bureau Veritas Job #: C575562
Report Date: 2025/10/07

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSE538	DSE539		
Sampling Date		2025/09/02 14:00	2025/09/02 14:00		
COC Number		1OF1	1OF1		
	UNITS	BRP-01	BRP-DUP	RDL	QC Batch
Dissolved Metals by ICPMS					
Dissolved Aluminum (Al)	mg/L	0.0061	0.0061	0.0030	C074632
Dissolved Antimony (Sb)	mg/L	<0.00050	<0.00050	0.00050	C074632
Dissolved Arsenic (As)	mg/L	0.00080	0.00080	0.00010	C074632
Dissolved Barium (Ba)	mg/L	0.0112	0.0116	0.0010	C074632
Dissolved Beryllium (Be)	mg/L	<0.00010	<0.00010	0.00010	C074632
Dissolved Bismuth (Bi)	mg/L	<0.0010	<0.0010	0.0010	C074632
Dissolved Boron (B)	mg/L	<0.050	<0.050	0.050	C074632
Dissolved Cadmium (Cd)	mg/L	<0.000010	<0.000010	0.000010	C074632
Dissolved Chromium (Cr)	mg/L	<0.0010	<0.0010	0.0010	C074632
Dissolved Cobalt (Co)	mg/L	<0.00020	<0.00020	0.00020	C074632
Dissolved Copper (Cu)	mg/L	0.00103	0.00099	0.00020	C074632
Dissolved Iron (Fe)	mg/L	0.0350	0.0331	0.0050	C074632
Dissolved Lead (Pb)	mg/L	<0.00020	<0.00020	0.00020	C074632
Dissolved Lithium (Li)	mg/L	<0.0020	<0.0020	0.0020	C074632
Dissolved Manganese (Mn)	mg/L	0.0110	0.0107	0.0010	C074632
Dissolved Molybdenum (Mo)	mg/L	<0.0010	<0.0010	0.0010	C074632
Dissolved Nickel (Ni)	mg/L	0.0021	0.0020	0.0010	C074632
Dissolved Selenium (Se)	mg/L	<0.00010	<0.00010	0.00010	C074632
Dissolved Silicon (Si)	mg/L	0.14	0.14	0.10	C074632
Dissolved Silver (Ag)	mg/L	<0.000020	<0.000020	0.000020	C074632
Dissolved Strontium (Sr)	mg/L	0.0299	0.0290	0.0010	C074632
Dissolved Thallium (Tl)	mg/L	<0.000010	<0.000010	0.000010	C074632
Dissolved Tin (Sn)	mg/L	<0.0050	<0.0050	0.0050	C074632
Dissolved Titanium (Ti)	mg/L	<0.0050	<0.0050	0.0050	C074632
Dissolved Uranium (U)	mg/L	<0.00010	<0.00010	0.00010	C074632
Dissolved Vanadium (V)	mg/L	<0.0050	<0.0050	0.0050	C074632
Dissolved Zinc (Zn)	mg/L	<0.0050	<0.0050	0.0050	C074632
Dissolved Zirconium (Zr)	mg/L	<0.00010	<0.00010	0.00010	C074632
Dissolved Calcium (Ca)	mg/L	7.34	7.27	0.050	C073625
Dissolved Magnesium (Mg)	mg/L	4.02	3.99	0.050	C073625
Dissolved Potassium (K)	mg/L	0.860	0.856	0.050	C073625
RDL = Reportable Detection Limit					



BUREAU
VERITAS

Bureau Veritas Job #: C575562
Report Date: 2025/10/07

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSE538	DSE539		
Sampling Date		2025/09/02 14:00	2025/09/02 14:00		
COC Number		1OF1	1OF1		
	UNITS	BRP-01	BRP-DUP	RDL	QC Batch
Dissolved Sodium (Na)	mg/L	1.17	1.18	0.050	C073625
Dissolved Sulphur (S)	mg/L	5.7	5.8	3.0	C073625
Total Metals by ICPMS					
Total Aluminum (Al)	mg/L	0.143	0.139	0.0030	C078369
Total Antimony (Sb)	mg/L	<0.00050	<0.00050	0.00050	C078369
Total Arsenic (As)	mg/L	0.00098	0.00098	0.00010	C078369
Total Barium (Ba)	mg/L	0.0120	0.0125	0.0010	C078369
Total Beryllium (Be)	mg/L	<0.00010	<0.00010	0.00010	C078369
Total Bismuth (Bi)	mg/L	<0.0010	<0.0010	0.0010	C078369
Total Boron (B)	mg/L	<0.050	<0.050	0.050	C078369
Total Cadmium (Cd)	mg/L	<0.000010	<0.000010	0.000010	C078369
Total Chromium (Cr)	mg/L	<0.0010	<0.0010	0.0010	C078369
Total Cobalt (Co)	mg/L	0.00033	0.00032	0.00020	C078369
Total Copper (Cu)	mg/L	0.00196	0.00198	0.00050	C078369
Total Iron (Fe)	mg/L	0.284	0.276	0.010	C078369
Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.00020	C078369
Total Lithium (Li)	mg/L	<0.0020	<0.0020	0.0020	C078369
Total Manganese (Mn)	mg/L	0.0136	0.0137	0.0010	C078369
Total Molybdenum (Mo)	mg/L	<0.0010	<0.0010	0.0010	C078369
Total Nickel (Ni)	mg/L	0.0026	0.0026	0.0010	C078369
Total Selenium (Se)	mg/L	<0.00010	<0.00010	0.00010	C078369
Total Silicon (Si)	mg/L	0.33	0.34	0.10	C078369
Total Silver (Ag)	mg/L	<0.000020	<0.000020	0.000020	C078369
Total Strontium (Sr)	mg/L	0.0288	0.0292	0.0010	C078369
Total Thallium (Tl)	mg/L	<0.000010	<0.000010	0.000010	C078369
Total Tin (Sn)	mg/L	<0.0050	<0.0050	0.0050	C078369
Total Titanium (Ti)	mg/L	0.0063	0.0072	0.0050	C078369
Total Uranium (U)	mg/L	<0.00010	<0.00010	0.00010	C078369
Total Vanadium (V)	mg/L	<0.0050	<0.0050	0.0050	C078369
Total Zinc (Zn)	mg/L	<0.0050	<0.0050	0.0050	C078369
Total Zirconium (Zr)	mg/L	<0.00010	<0.00010	0.00010	C078369
Total Calcium (Ca)	mg/L	7.27	7.44	0.050	C073333
RDL = Reportable Detection Limit					



BUREAU
VERITAS

Bureau Veritas Job #: C575562

Report Date: 2025/10/07

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSE538	DSE539		
Sampling Date		2025/09/02 14:00	2025/09/02 14:00		
COC Number		1OF1	1OF1		
	UNITS	BRP-01	BRP-DUP	RDL	QC Batch
Total Magnesium (Mg)	mg/L	4.13	4.23	0.050	C073333
Total Potassium (K)	mg/L	0.887	0.898	0.050	C073333
Total Sodium (Na)	mg/L	1.23	1.25	0.050	C073333
Total Sulphur (S)	mg/L	5.5	5.7	3.0	C073333
RDL = Reportable Detection Limit					



**BUREAU
VERITAS**

Bureau Veritas Job #: C575562

Report Date: 2025/10/07

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

GENERAL COMMENTS

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C575562

Report Date: 2025/10/07

QUALITY ASSURANCE REPORT

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C073856	Turbidity	2025/09/04			100	80 - 120	<0.10	NTU	3.6	20		
C074175	Total Dissolved Solids	2025/09/06	NC	80 - 120	98	80 - 120	<10	mg/L	0	20		
C074197	Total Suspended Solids	2025/09/05	90	80 - 120	104	80 - 120	<1.0	mg/L	10	20		
C074511	Dissolved Nitrate plus Nitrite (N)	2025/09/05	99	80 - 120	104	80 - 120	<0.0030	mg/L	NC	20		
C074511	Dissolved Nitrite (N)	2025/09/05	110	80 - 120	102	80 - 120	<0.0010	mg/L	NC	20		
C074632	Dissolved Aluminum (Al)	2025/09/06	101	80 - 120	100	80 - 120	<0.0030	mg/L	16	20		
C074632	Dissolved Antimony (Sb)	2025/09/06	101	80 - 120	99	80 - 120	<0.00050	mg/L	NC	20		
C074632	Dissolved Arsenic (As)	2025/09/06	105	80 - 120	99	80 - 120	<0.00010	mg/L	0.76	20		
C074632	Dissolved Barium (Ba)	2025/09/06	101	80 - 120	99	80 - 120	<0.0010	mg/L	1.5	20		
C074632	Dissolved Beryllium (Be)	2025/09/06	110	80 - 120	106	80 - 120	<0.00010	mg/L	NC	20		
C074632	Dissolved Bismuth (Bi)	2025/09/06	91	80 - 120	100	80 - 120	<0.0010	mg/L	NC	20		
C074632	Dissolved Boron (B)	2025/09/06	102	80 - 120	107	80 - 120	<0.050	mg/L	NC	20		
C074632	Dissolved Cadmium (Cd)	2025/09/06	103	80 - 120	101	80 - 120	<0.000010	mg/L	NC	20		
C074632	Dissolved Chromium (Cr)	2025/09/06	98	80 - 120	95	80 - 120	<0.0010	mg/L	NC	20		
C074632	Dissolved Cobalt (Co)	2025/09/06	97	80 - 120	95	80 - 120	<0.00020	mg/L	NC	20		
C074632	Dissolved Copper (Cu)	2025/09/06	96	80 - 120	94	80 - 120	<0.00020	mg/L	0.060	20		
C074632	Dissolved Iron (Fe)	2025/09/06	100	80 - 120	100	80 - 120	<0.0050	mg/L	3.3	20		
C074632	Dissolved Lead (Pb)	2025/09/06	102	80 - 120	99	80 - 120	<0.00020	mg/L	NC	20		
C074632	Dissolved Lithium (Li)	2025/09/06	111	80 - 120	108	80 - 120	<0.0020	mg/L	NC	20		
C074632	Dissolved Manganese (Mn)	2025/09/06	101	80 - 120	95	80 - 120	<0.0010	mg/L	0.94	20		
C074632	Dissolved Molybdenum (Mo)	2025/09/06	102	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
C074632	Dissolved Nickel (Ni)	2025/09/06	96	80 - 120	94	80 - 120	<0.0010	mg/L	1.0	20		
C074632	Dissolved Selenium (Se)	2025/09/06	106	80 - 120	98	80 - 120	<0.00010	mg/L	NC	20		
C074632	Dissolved Silicon (Si)	2025/09/06	96	80 - 120	95	80 - 120	<0.10	mg/L	0.072	20		
C074632	Dissolved Silver (Ag)	2025/09/06	70 (1)	80 - 120	94	80 - 120	<0.000020	mg/L	NC	20		
C074632	Dissolved Strontium (Sr)	2025/09/06	106	80 - 120	100	80 - 120	<0.0010	mg/L	2.7	20		
C074632	Dissolved Thallium (Tl)	2025/09/06	110	80 - 120	105	80 - 120	<0.000010	mg/L	NC	20		
C074632	Dissolved Tin (Sn)	2025/09/06	103	80 - 120	102	80 - 120	<0.0050	mg/L	NC	20		
C074632	Dissolved Titanium (Ti)	2025/09/06	100	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
C074632	Dissolved Uranium (U)	2025/09/06	107	80 - 120	105	80 - 120	<0.00010	mg/L	NC	20		
C074632	Dissolved Vanadium (V)	2025/09/06	98	80 - 120	94	80 - 120	<0.0050	mg/L	NC	20		

BUREAU
VERITAS

Bureau Veritas Job #: C575562

Report Date: 2025/10/07

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
 Client Project #: B2GOLD NUNAVUT
 Site Location: BACK RIVER MINE
 Your P.O. #: 470000200
 Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C074632	Dissolved Zinc (Zn)	2025/09/06	104	80 - 120	96	80 - 120	<0.0050	mg/L	NC	20		
C074632	Dissolved Zirconium (Zr)	2025/09/06	100	80 - 120	101	80 - 120	<0.00010	mg/L	NC	20		
C075225	Alkalinity (PP as CaCO ₃)	2025/09/05					<0.50	mg/L	NC	20		
C075225	Alkalinity (Total as CaCO ₃)	2025/09/05			99	80 - 120	<0.50	mg/L	6.9	20		
C075225	Bicarbonate (HCO ₃)	2025/09/05					<0.50	mg/L	6.9	20		
C075225	Carbonate (CO ₃)	2025/09/05					<0.50	mg/L	NC	20		
C075225	Hydroxide (OH)	2025/09/05					<0.50	mg/L	NC	20		
C075230	pH	2025/09/05			100	97 - 103			0.83	N/A		
C075231	Conductivity	2025/09/05			103	90 - 110	<1.0	uS/cm	0	20		
C075233	Fluoride (F)	2025/09/05	99	80 - 120	100	80 - 120	<0.010	mg/L	6.2	20		
C075333	Chloride (Cl)	2025/09/05	99	80 - 120	106	80 - 120	<0.50	mg/L	0.18	20		
C075333	Sulphate (SO ₄)	2025/09/05	NC	80 - 120	108	80 - 120	<0.50	mg/L	0.65	20		
C076105	Total Nitrogen (N)	2025/09/08	95	80 - 120	93	80 - 120	<0.020	mg/L	2.5	20	95	80 - 120
C076107	Total Nitrogen (N)	2025/09/09	112	80 - 120	102	80 - 120	<0.020	mg/L	NC	20	103	80 - 120
C076165	Strong Acid Dissoc. Cyanide (CN)	2025/09/07	97	80 - 120	95	80 - 120	<0.00050	mg/L	13	20		
C076199	Weak Acid Dissoc. Cyanide (CN)	2025/09/07	104	80 - 120	103	80 - 120	<0.00050	mg/L	12	20		
C076200	Free Free Cyanide	2025/09/07	99	80 - 120	100	80 - 120	<0.00050	mg/L	2.7	20		
C076323	Total Phosphorus (P)	2025/09/08	101	80 - 120	98	80 - 120	<0.0010	mg/L	15	20	88	80 - 120
C078369	Total Aluminum (Al)	2025/09/09	94	80 - 120	95	80 - 120	<0.0030	mg/L	1.8	20		
C078369	Total Antimony (Sb)	2025/09/09	102	80 - 120	103	80 - 120	<0.00050	mg/L	0.20	20		
C078369	Total Arsenic (As)	2025/09/09	100	80 - 120	102	80 - 120	<0.00010	mg/L	0.082	20		
C078369	Total Barium (Ba)	2025/09/09	101	80 - 120	100	80 - 120	<0.0010	mg/L	2.0	20		
C078369	Total Beryllium (Be)	2025/09/09	89	80 - 120	90	80 - 120	<0.00010	mg/L	NC	20		
C078369	Total Bismuth (Bi)	2025/09/09	100	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
C078369	Total Boron (B)	2025/09/09	86	80 - 120	86	80 - 120	<0.050	mg/L	NC	20		
C078369	Total Cadmium (Cd)	2025/09/09	101	80 - 120	102	80 - 120	<0.000010	mg/L	NC	20		
C078369	Total Chromium (Cr)	2025/09/09	101	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
C078369	Total Cobalt (Co)	2025/09/09	100	80 - 120	100	80 - 120	<0.00020	mg/L	NC	20		
C078369	Total Copper (Cu)	2025/09/09	99	80 - 120	101	80 - 120	<0.00050	mg/L	0.68	20		
C078369	Total Iron (Fe)	2025/09/09	101	80 - 120	103	80 - 120	<0.010	mg/L	7.8	20		
C078369	Total Lead (Pb)	2025/09/09	98	80 - 120	99	80 - 120	<0.00020	mg/L	0.071	20		



BUREAU
VERITAS

Bureau Veritas Job #: C575562

Report Date: 2025/10/07

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C078369	Total Lithium (Li)	2025/09/09	108	80 - 120	107	80 - 120	<0.0020	mg/L	0.15	20		
C078369	Total Manganese (Mn)	2025/09/09	101	80 - 120	99	80 - 120	<0.0010	mg/L	0.057	20		
C078369	Total Molybdenum (Mo)	2025/09/09	106	80 - 120	107	80 - 120	<0.0010	mg/L	0.47	20		
C078369	Total Nickel (Ni)	2025/09/09	99	80 - 120	100	80 - 120	<0.0010	mg/L	2.5	20		
C078369	Total Selenium (Se)	2025/09/09	101	80 - 120	104	80 - 120	<0.00010	mg/L	6.8	20		
C078369	Total Silicon (Si)	2025/09/09	93	80 - 120	94	80 - 120	<0.10	mg/L	0.36	20		
C078369	Total Silver (Ag)	2025/09/09	100	80 - 120	100	80 - 120	<0.000020	mg/L	NC	20		
C078369	Total Strontium (Sr)	2025/09/09	NC	80 - 120	97	80 - 120	<0.0010	mg/L	0.62	20		
C078369	Total Thallium (Tl)	2025/09/09	103	80 - 120	101	80 - 120	<0.000010	mg/L	NC	20		
C078369	Total Tin (Sn)	2025/09/09	100	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C078369	Total Titanium (Ti)	2025/09/09	100	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
C078369	Total Uranium (U)	2025/09/09	103	80 - 120	103	80 - 120	<0.00010	mg/L	0.72	20		
C078369	Total Vanadium (V)	2025/09/09	100	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C078369	Total Zinc (Zn)	2025/09/09	96	80 - 120	101	80 - 120	<0.0050	mg/L	1.4	20		
C078369	Total Zirconium (Zr)	2025/09/09	102	80 - 120	102	80 - 120	<0.00010	mg/L	NC	20		
C078466	Dissolved Mercury (Hg)	2025/09/09	104	80 - 120	105	80 - 120	<0.0000019	mg/L	NC	20		
C078471	Total Mercury (Hg)	2025/09/09	103	80 - 120	98	80 - 120	<0.0000019	mg/L	NC	20		
C078487	Total Ammonia (N)	2025/09/09	98	80 - 120	105	80 - 120	<0.0050	mg/L				
C078540	Total Sulphide	2025/09/09	89	80 - 120	97	80 - 120	<0.0018	mg/L	0	20		
C087199	Dissolved Organic Carbon (C)	2025/09/16	NC	75 - 125	106	80 - 120	<0.20	mg/L	4.2	20		
C087288	Total Organic Carbon (C)	2025/09/16	NC	75 - 125	104	80 - 120	<0.20	mg/L	2.8	20		



BUREAU
VERITAS

Bureau Veritas Job #: C575562

Report Date: 2025/10/07

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C114600	Radium 226	2025/10/06			90	85 - 115	<0.0050	Bq/l				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



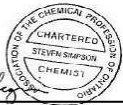
BUREAU
VERITAS

Bureau Veritas Job #: C575562
Report Date: 2025/10/07

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Steven Simpson, Lab Director

Sandy Yuan, M.Sc., QP, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.

(575562
2025/09/03 12:30

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0 Ca!ga<y, AB: 4000 • 19th St. NE, T2E 6P8 TollFree (800) 386-7247

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0 Winnipeg, MB: D-675 Berry St R3H 1A7 Toll Free (866) BOO 620B

Chain of Custody Record

B2GN ENV

COC • 00013v6

Invoice Information				Invoice 10 (requires report)		D		Report Information (fill in from invoice)				Project Information			
Company:				82001d Back RMH Corp				Company:				82Gold BackRNe1Corp			
Contact Name:				ChrisLeGoffe				Contact Name:				ChrisleGoffe			
Street Address:				Suite 3400 866 Burras1d St				Street Address:				Suite 3.400 666 Burr1d St			
City:		Vancouver		Prov:		BC		Postal Code:		V6C 2X8		City:		Vancouver	
Phone:		1.604.6S.1.8J7I		Phone:		B67.336.1349		Postal Code:		V6C X.a		Project:		82Gold Nunav11.11	
Email:				BR.AccountsPayable@b2gold.com1				Email:				clegome@J2gold.com			
Copies:				legoffo@b2gold.com				Copies:				legoffo@b2gold.com			
Simplified By:				Connor Grant & Jane Quackenbush				Simplified By:				Connor Grant & Jane Quackenbush			



EYK-2025-09-00S

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By: C.) 4eJtA:YV:
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 Temp: 71 7 1 <
 CS: NO Ice: ye5

**Attention: Chris LeGoffe**

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: Goose Lake, Back River Mine
Your C.O.C. #: 1 OF 1, 1 of 1

Report Date: 2026/07/28

Report #: R3810435

Version: 5 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT**BUREAU VERITAS JOB #: C571965****Received: 2025/08/20, 10:50**

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Low Level (1)	1	N/A	2025/08/24	AB SOP-00005	SM 24 2320 B m
See Attached Results	1	N/A	2025/08/22		
Ceriodaphnia dubia LC50, IC25	1	N/A	2025/09/22	EENV SOP-00155	EPS 1 RM21 2nd ed m
Low level chloride/sulphate by AC (1)	1	N/A	2025/08/26	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total) (1)	1	N/A	2025/08/26	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (1)	1	N/A	2025/08/26	CAL SOP-00270	SM 24 4500-CN m
Carbon (DOC) (1, 4)	1	N/A	2025/09/04	AB SOP-00087	MMCW 119 1996 m
Conductance - Low Level (1)	1	N/A	2025/08/24	AB SOP-00005	SM 24 2510 B m
Ecotox Report Attachment (2)	1	2025/09/19	2025/09/19		
Fluoride - Low Level (1)	1	N/A	2025/08/24	AB SOP-00005	SM 24 4500-F C m
Fathead minnow, 7day LC50, IC50	1	N/A	2025/08/21	EENV SOP-00156	EPS 1 RM22 2nd ed m
Free Cyanide (1)	1	N/A	2025/08/26	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (1, 5)	1	N/A	2025/08/28	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (1)	1	N/A	2025/08/28	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV (1, 6)	1	2025/08/25	2025/08/25	AB SOP-00084	BCMOE BCLM Oct2013 m
Mercury (Total) by CV (1)	1	2025/08/26	2025/08/26	AB SOP-00084	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (1)	1	N/A	2025/08/28		Auto Calc
Elements by CRC ICPMS (dissolved) (1, 6)	1	N/A	2025/08/26	AB SOP-00043	EPA 6020 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	1	2025/08/21	2025/08/28		Auto Calc
Elements by CRC ICPMS (total) (1)	1	2025/08/27	2025/08/28	AB SOP-00043	EPA 6020 m
Un-Ionized Ammonia (NH3) as N (1)	1	N/A	2025/08/27		Auto Calc
Ammonia-N Low Level (Preserved) (1)	1	N/A	2025/08/27	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate and Nitrite (1)	1	N/A	2025/08/23		Auto Calc
NO2 (N); NO2 (N) + NO3 (N) in Water (LL) (1)	1	N/A	2025/08/22	AB SOP-00091	SM 24 4500 NO3m
Nitrate (as N) (Low Level) (1)	1	2025/08/21	2025/08/23		Auto Calc
pH @25°C (1, 7)	1	N/A	2025/08/24	AB SOP-00005	SM 24 4500-H+B m
pH (Field) (1)	1	N/A	2025/08/21	Field Test	Field Test
Redox Potential (OnSite-Field) (1)	1	N/A	2025/08/21	Field Test	Field Test
Silica (Reactive) (1)	1	N/A	2025/08/27	AB SOP-00011	EPA 370.1 R1978 m
Total Dissolved Solids (Filt. Residue) (1)	1	2025/08/26	2025/08/27	AB SOP-00065	SM 24 2540 C m
Total Dissolved Solids (Calculated) (1)	1	N/A	2025/08/28		Auto Calc



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: Goose Lake, Back River Mine
Your C.O.C. #: 1 OF 1, 1 of 1

Report Date: 2026/07/28

Report #: R3810435

Version: 5 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C571965

Received: 2025/08/20, 10:50

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Temperature (Field) (1)	1	N/A	2025/08/21	Field Test	Field Test
Total Kjeldahl Nitrogen (Total) (1)	1	N/A	2025/08/25		Auto Calc
Nitrogen (Total) (1)	1	2025/08/23	2025/08/25	AB SOP-00093	SM 24 4500-N C m
Carbon (Total Organic) (1, 8)	1	N/A	2025/09/04	AB SOP-00087	MMCW 119 1996 m
Total Phosphorus Low Level Total (1)	1	2025/08/23	2025/08/26	AB SOP-00024	SM 24 4500-P A,B,F m
Total Suspended Solids (NFR) (1)	1	2025/08/25	2025/08/25	AB SOP-00061	SM 24 2540 D m
Turbidity (1)	1	N/A	2025/08/22	CAL SOP-00081	SM 24 2130 B m
Radium-226 Low Level (3, 9)	1	N/A	2025/09/18	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: Goose Lake, Back River Mine
Your C.O.C. #: 1 OF 1, 1 of 1

Report Date: 2026/07/28

Report #: R3810435

Version: 5 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C571965

Received: 2025/08/20, 10:50

- (2) This test was performed by Bureau Veritas Vancouver, 4606 Canada Way , Burnaby, BC, V5G 1K5
(3) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Rd., Unit 4, Mississauga, Ontario, L5N 5L9
(4) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
(5) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
(6) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
(7) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.
(8) TOC present in the sample should be considered as non-purgeable TOC.
(9) Radium-226 results have not been corrected for blanks.

Encryption Key

Stephanie R.

Stephanie Rodriguez Camacho
Project Manager
28 Jul 2026 13:21:32

Please direct all questions regarding this Certificate of Analysis to:

Stephanie Rodriguez Camacho, Project Manager

Email: Stephanie.Rodriguez@bureauveritas.com

Phone# (236)308-9963

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C571965
Report Date: 2026/07/28

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: SC

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DRH085			DRH085		
Sampling Date		2025/08/19 15:10			2025/08/19 15:10		
COC Number		1 of 1			1 of 1		
	UNITS	BRP-01	RDL	QC Batch	BRP-01 Lab-Dup	RDL	QC Batch
Fathead Minnow							
Fathead 7 Day Survival LC50	% vol/vol	ATTACHED	N/A	C090068			
Industrial							
Remark	N/A	ATTACHED	N/A	C087416			
Calculated Parameters							
Dissolved Hardness (CaCO ₃)	mg/L	40.2	0.50	C057137			
Total Hardness (CaCO ₃)	mg/L	40.8	0.50	C057135			
Dissolved Nitrate (N)	mg/L	0.011	0.0030	C057406			
Nitrate (NO ₃)	mg/L	0.048	0.013	C057968			
Nitrite (NO ₂)	mg/L	<0.0033	0.0033	C057968			
Calculated Total Dissolved Solids	mg/L	51	10	C057704			
Total Total Kjeldahl Nitrogen (Calc)	mg/L	0.44	0.020	C057165			
Un-Ionized Ammonia	mg/L	<0.00050	0.00050	C058095			
Ceriodaphnia Dubia							
Ceriodaphnia dubia 7d IC50	% vol/vol	ATTACHED	N/A	C087401			
Ecotox							
No Parameter	N/A	ATTACHED	N/A	C093264			
Field Parameters							
Field pH	pH	6.87	N/A	ONSITE			
Field Redox Potential	mV	272.5	N/A	ONSITE			
Field Temperature (Fd)	deg. C	14.4	N/A	ONSITE			
Misc. Inorganics							
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C061350	<0.00050	0.00050	C061350
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C061352	<0.00050	0.00050	C061352
Fluoride (F)	mg/L	0.020	0.010	C060649			
Free Free Cyanide	mg/L	<0.00050	0.00050	C061355	<0.00050	0.00050	C061355
Dissolved Organic Carbon (C)	mg/L	3.6	0.20	C072776	3.8	0.20	C072776
pH	pH	6.25	N/A	C060654			
Reactive Silica	mg/L	0.40	0.050	C063933			
Alkalinity (Total as CaCO ₃)	mg/L	8.31	0.50	C060653			
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable							



BUREAU
VERITAS

Bureau Veritas Job #: C571965

Report Date: 2026/07/28

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: SC

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DRH085			DRH085		
Sampling Date		2025/08/19 15:10			2025/08/19 15:10		
COC Number		1 of 1			1 of 1		
	UNITS	BRP-01	RDL	QC Batch	BRP-01 Lab-Dup	RDL	QC Batch
Total Organic Carbon (C)	mg/L	4.1	0.20	C072605	4.1	0.20	C072605
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	0.50	C060653			
Bicarbonate (HCO ₃)	mg/L	10.1	0.50	C060653			
Carbonate (CO ₃)	mg/L	<0.50	0.50	C060653			
Hydroxide (OH)	mg/L	<0.50	0.50	C060653			
Total Dissolved Solids	mg/L	64	10	C062382	56	10	C062382
Total Suspended Solids	mg/L	<1.0	1.0	C061029	<1.0	1.0	C061029
Anions							
Chloride (Cl)	mg/L	13	0.50	C063677			
Sulphate (SO ₄)	mg/L	17	0.50	C063677			
Nutrients							
Total Phosphorus (P)	mg/L	0.0055	0.0010	C060077			
Total Ammonia (N)	mg/L	<0.0050	0.0050	C063888			
Dissolved Nitrite (N)	mg/L	<0.0010	0.0010	C059491			
Dissolved Nitrate plus Nitrite (N)	mg/L	0.011	0.0030	C059491			
Total Nitrogen (N)	mg/L	0.46	0.020	C060248			
Physical Properties							
Conductivity	uS/cm	98.9	1.0	C060655			
RADIONUCLIDE							
Radium 226	Bq/l	<0.0050	0.0050	C093206			
Physical Properties							
Turbidity	NTU	0.24	0.10	C059330			
RDL = Reportable Detection Limit							
Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C571965

Report Date: 2026/07/28

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: SC

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DRH085		
Sampling Date		2025/08/19 15:10		
COC Number		1 of 1		
	UNITS	BRP-01	RDL	QC Batch
Elements				
Dissolved Mercury (Hg)	mg/L	<0.0000019	0.0000019	C061726
Total Mercury (Hg)	mg/L	<0.0000019	0.0000019	C062471
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C571965

Report Date: 2026/07/28

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: SC

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DRH085			DRH085		
Sampling Date		2025/08/19 15:10			2025/08/19 15:10		
COC Number		1 of 1			1 of 1		
	UNITS	BRP-01	RDL	QC Batch	BRP-01 Lab-Dup	RDL	QC Batch
Dissolved Metals by ICPMS							
Dissolved Aluminum (Al)	mg/L	0.0118	0.0030	C061492			
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	C061492			
Dissolved Arsenic (As)	mg/L	0.00070	0.00010	C061492			
Dissolved Barium (Ba)	mg/L	0.0127	0.0010	C061492			
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	C061492			
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	C061492			
Dissolved Boron (B)	mg/L	<0.050	0.050	C061492			
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	C061492			
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	C061492			
Dissolved Cobalt (Co)	mg/L	<0.00020	0.00020	C061492			
Dissolved Copper (Cu)	mg/L	0.00141	0.00020	C061492			
Dissolved Iron (Fe)	mg/L	0.0366	0.0050	C061492			
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	C061492			
Dissolved Lithium (Li)	mg/L	<0.0020	0.0020	C061492			
Dissolved Manganese (Mn)	mg/L	0.0025	0.0010	C061492			
Dissolved Molybdenum (Mo)	mg/L	<0.0010	0.0010	C061492			
Dissolved Nickel (Ni)	mg/L	0.0022	0.0010	C061492			
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	C061492			
Dissolved Silicon (Si)	mg/L	0.12	0.10	C061492			
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	C061492			
Dissolved Strontium (Sr)	mg/L	0.0337	0.0010	C061492			
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	C061492			
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	C061492			
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	C061492			
Dissolved Uranium (U)	mg/L	<0.00010	0.00010	C061492			
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	C061492			
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	C061492			
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	C061492			
Dissolved Calcium (Ca)	mg/L	9.19	0.050	C057962			
Dissolved Magnesium (Mg)	mg/L	4.18	0.050	C057962			
RDL = Reportable Detection Limit							
Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C571965
Report Date: 2026/07/28

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: SC

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DRH085			DRH085		
Sampling Date		2025/08/19 15:10			2025/08/19 15:10		
COC Number		1 of 1			1 of 1		
	UNITS	BRP-01	RDL	QC Batch	BRP-01 Lab-Dup	RDL	QC Batch
Dissolved Potassium (K)	mg/L	0.899	0.050	C057962			
Dissolved Sodium (Na)	mg/L	1.29	0.050	C057962			
Dissolved Sulphur (S)	mg/L	5.3	3.0	C057962			
Total Metals by ICPMS							
Total Aluminum (Al)	mg/L	0.0407	0.0030	C064202	0.0405	0.0030	C064202
Total Antimony (Sb)	mg/L	<0.00050	0.00050	C064202	<0.00050	0.00050	C064202
Total Arsenic (As)	mg/L	0.00082	0.00010	C064202	0.00079	0.00010	C064202
Total Barium (Ba)	mg/L	0.0130	0.0010	C064202	0.0125	0.0010	C064202
Total Beryllium (Be)	mg/L	<0.00010	0.00010	C064202	<0.00010	0.00010	C064202
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	C064202	<0.0010	0.0010	C064202
Total Boron (B)	mg/L	<0.050	0.050	C064202	<0.050	0.050	C064202
Total Cadmium (Cd)	mg/L	0.000013	0.000010	C064202	<0.000010	0.000010	C064202
Total Chromium (Cr)	mg/L	0.0293 (1)	0.0010	C064202	0.0230 (2)	0.0010	C064202
Total Cobalt (Co)	mg/L	0.00054	0.00020	C064202	0.00036	0.00020	C064202
Total Copper (Cu)	mg/L	0.00213	0.00050	C064202	0.00173	0.00050	C064202
Total Iron (Fe)	mg/L	0.253 (1)	0.010	C064202	0.188 (2)	0.010	C064202
Total Lead (Pb)	mg/L	<0.00020	0.00020	C064202	<0.00020	0.00020	C064202
Total Lithium (Li)	mg/L	<0.0020	0.0020	C064202	<0.0020	0.0020	C064202
Total Manganese (Mn)	mg/L	0.0052	0.0010	C064202	0.0042	0.0010	C064202
Total Molybdenum (Mo)	mg/L	0.0034	0.0010	C064202	0.0031	0.0010	C064202
Total Nickel (Ni)	mg/L	0.0160 (1)	0.0010	C064202	0.0098 (2)	0.0010	C064202
Total Selenium (Se)	mg/L	<0.00010	0.00010	C064202	<0.00010	0.00010	C064202
Total Silicon (Si)	mg/L	0.17	0.10	C064202	0.17	0.10	C064202
Total Silver (Ag)	mg/L	<0.000020	0.000020	C064202	<0.000020	0.000020	C064202
Total Strontium (Sr)	mg/L	0.0339	0.0010	C064202	0.0328	0.0010	C064202
Total Thallium (Tl)	mg/L	<0.000010	0.000010	C064202	<0.000010	0.000010	C064202
Total Tin (Sn)	mg/L	<0.0050	0.0050	C064202	<0.0050	0.0050	C064202
RDL = Reportable Detection Limit							
Lab-Dup = Laboratory Initiated Duplicate							
(1) Duplicate exceeds acceptance criteria due to sample non homogeneity. Reanalysis yields similar results.							
(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.							



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DRH085			DRH085		
Sampling Date		2025/08/19 15:10			2025/08/19 15:10		
COC Number		1 of 1			1 of 1		
	UNITS	BRP-01	RDL	QC Batch	BRP-01 Lab-Dup	RDL	QC Batch
Total Titanium (Ti)	mg/L	<0.0050	0.0050	C064202	<0.0050	0.0050	C064202
Total Uranium (U)	mg/L	<0.00010	0.00010	C064202	<0.00010	0.00010	C064202
Total Vanadium (V)	mg/L	<0.0050	0.0050	C064202	<0.0050	0.0050	C064202
Total Zinc (Zn)	mg/L	<0.0050	0.0050	C064202	<0.0050	0.0050	C064202
Total Zirconium (Zr)	mg/L	<0.00010	0.00010	C064202	<0.00010	0.00010	C064202
Total Calcium (Ca)	mg/L	9.27	0.050	C057403			
Total Magnesium (Mg)	mg/L	4.30	0.050	C057403			
Total Potassium (K)	mg/L	0.920	0.050	C057403			
Total Sodium (Na)	mg/L	1.31	0.050	C057403			
Total Sulphur (S)	mg/L	5.8	3.0	C057403			
RDL = Reportable Detection Limit							
Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C571965
Report Date: 2026/07/28

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: SC

GENERAL COMMENTS

Report reissued to include ecotox compiled report as per client request received 2026/07/02.
Report reissued to include duplicate data on sample BRP-01.

Results relate only to the items tested.

BUREAU
VERITAS

Bureau Veritas Job #: C571965

Report Date: 2026/07/28

QUALITY ASSURANCE REPORT

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: SC

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C059330	Turbidity	2025/08/22			100	80 - 120	<0.10	NTU	2.2	20		
C059491	Dissolved Nitrate plus Nitrite (N)	2025/08/22	91	80 - 120	102	80 - 120	<0.0030	mg/L	NC	20		
C059491	Dissolved Nitrite (N)	2025/08/22	109	80 - 120	106	80 - 120	<0.0010	mg/L	NC	20		
C060077	Total Phosphorus (P)	2025/08/26	105	80 - 120	97	80 - 120	<0.0010	mg/L	9.4	20	86	80 - 120
C060248	Total Nitrogen (N)	2025/08/25	110	80 - 120	100	80 - 120	<0.020	mg/L	0.52	20	105	80 - 120
C060649	Fluoride (F)	2025/08/24	96	80 - 120	98	80 - 120	<0.010	mg/L	NC	20		
C060653	Alkalinity (PP as CaCO ₃)	2025/08/24					<0.50	mg/L	NC	20		
C060653	Alkalinity (Total as CaCO ₃)	2025/08/24			98	80 - 120	<0.50	mg/L	9.3	20		
C060653	Bicarbonate (HCO ₃)	2025/08/24					<0.50	mg/L	9.3	20		
C060653	Carbonate (CO ₃)	2025/08/24					<0.50	mg/L	NC	20		
C060653	Hydroxide (OH)	2025/08/24					<0.50	mg/L	NC	20		
C060654	pH	2025/08/24			101	97 - 103			0.22	N/A		
C060655	Conductivity	2025/08/24			102	90 - 110	<1.0	uS/cm	1.6	20		
C061029	Total Suspended Solids	2025/08/25	96	80 - 120	93	80 - 120	<1.0	mg/L	NC	20		
C061350	Strong Acid Dissoc. Cyanide (CN)	2025/08/26	105	80 - 120	101	80 - 120	<0.00050	mg/L	NC	20		
C061352	Weak Acid Dissoc. Cyanide (CN)	2025/08/26	109	80 - 120	104	80 - 120	<0.00050	mg/L	NC	20		
C061355	Free Free Cyanide	2025/08/26	102	80 - 120	104	80 - 120	<0.00050	mg/L	NC	20		
C061492	Dissolved Aluminum (Al)	2025/08/27	105	80 - 120	102	80 - 120	<0.0030	mg/L	NC	20		
C061492	Dissolved Antimony (Sb)	2025/08/27	97	80 - 120	101	80 - 120	<0.00050	mg/L	NC	20		
C061492	Dissolved Arsenic (As)	2025/08/27	103	80 - 120	102	80 - 120	<0.00010	mg/L	NC	20		
C061492	Dissolved Barium (Ba)	2025/08/27	NC	80 - 120	100	80 - 120	<0.0010	mg/L	3.9	20		
C061492	Dissolved Beryllium (Be)	2025/08/27	101	80 - 120	102	80 - 120	<0.00010	mg/L	NC	20		
C061492	Dissolved Bismuth (Bi)	2025/08/27	99	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
C061492	Dissolved Boron (B)	2025/08/27	NC	80 - 120	101	80 - 120	<0.050	mg/L	6.6	20		
C061492	Dissolved Cadmium (Cd)	2025/08/27	101	80 - 120	103	80 - 120	<0.000010	mg/L	NC	20		
C061492	Dissolved Chromium (Cr)	2025/08/27	100	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
C061492	Dissolved Cobalt (Co)	2025/08/27	98	80 - 120	101	80 - 120	<0.00020	mg/L	3.2	20		
C061492	Dissolved Copper (Cu)	2025/08/27	97	80 - 120	101	80 - 120	<0.00020	mg/L	NC	20		
C061492	Dissolved Iron (Fe)	2025/08/27	NC	80 - 120	104	80 - 120	<0.0050	mg/L	3.7	20		
C061492	Dissolved Lead (Pb)	2025/08/27	101	80 - 120	102	80 - 120	<0.00020	mg/L	NC	20		
C061492	Dissolved Lithium (Li)	2025/08/27	NC	80 - 120	100	80 - 120	<0.0020	mg/L	3.2	20		

BUREAU
VERITAS

Bureau Veritas Job #: C571965

Report Date: 2026/07/28

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: SC

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C061492	Dissolved Manganese (Mn)	2025/08/27	NC	80 - 120	102	80 - 120	<0.0010	mg/L	2.9	20		
C061492	Dissolved Molybdenum (Mo)	2025/08/27	122 (1)	80 - 120	106	80 - 120	<0.0010	mg/L	NC	20		
C061492	Dissolved Nickel (Ni)	2025/08/27	95	80 - 120	100	80 - 120	<0.0010	mg/L	1.5	20		
C061492	Dissolved Selenium (Se)	2025/08/27	99	80 - 120	99	80 - 120	<0.00010	mg/L	NC	20		
C061492	Dissolved Silicon (Si)	2025/08/27	NC	80 - 120	98	80 - 120	<0.10	mg/L	4.4	20		
C061492	Dissolved Silver (Ag)	2025/08/27	76 (1)	80 - 120	98	80 - 120	<0.000020	mg/L	NC	20		
C061492	Dissolved Strontium (Sr)	2025/08/27	NC	80 - 120	100	80 - 120	<0.0010	mg/L	4.3	20		
C061492	Dissolved Thallium (Tl)	2025/08/27	112	80 - 120	111	80 - 120	<0.000010	mg/L	NC	20		
C061492	Dissolved Tin (Sn)	2025/08/27	106	80 - 120	104	80 - 120	<0.0050	mg/L	NC	20		
C061492	Dissolved Titanium (Ti)	2025/08/27	106	80 - 120	106	80 - 120	<0.0050	mg/L	NC	20		
C061492	Dissolved Uranium (U)	2025/08/27	104	80 - 120	107	80 - 120	<0.00010	mg/L	NC	20		
C061492	Dissolved Vanadium (V)	2025/08/27	102	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C061492	Dissolved Zinc (Zn)	2025/08/27	97	80 - 120	102	80 - 120	<0.0050	mg/L	NC	20		
C061492	Dissolved Zirconium (Zr)	2025/08/27	87	80 - 120	101	80 - 120	<0.00010	mg/L	NC	20		
C061726	Dissolved Mercury (Hg)	2025/08/25	108	80 - 120	106	80 - 120	<0.0000019	mg/L	NC	20		
C062382	Total Dissolved Solids	2025/08/27	100	80 - 120	98	80 - 120	<10	mg/L	13	20		
C062471	Total Mercury (Hg)	2025/08/26	102	80 - 120	101	80 - 120	<0.0000019	mg/L	NC	20		
C063677	Chloride (Cl)	2025/08/26	109	80 - 120	105	80 - 120	<0.50	mg/L	NC	20		
C063677	Sulphate (SO4)	2025/08/26	92	80 - 120	96	80 - 120	<0.50	mg/L				
C063888	Total Ammonia (N)	2025/08/27	119	80 - 120	103	80 - 120	<0.0050	mg/L	1.7	20		
C063933	Reactive Silica	2025/08/27	109	80 - 120	104	80 - 120	<0.050	mg/L	2.4	20		
C064202	Total Aluminum (Al)	2025/08/28	102	80 - 120	105	80 - 120	<0.0030	mg/L	0.39	20		
C064202	Total Antimony (Sb)	2025/08/28	101	80 - 120	104	80 - 120	<0.00050	mg/L	NC	20		
C064202	Total Arsenic (As)	2025/08/28	101	80 - 120	105	80 - 120	<0.00010	mg/L	3.8	20		
C064202	Total Barium (Ba)	2025/08/28	99	80 - 120	102	80 - 120	<0.0010	mg/L	4.1	20		
C064202	Total Beryllium (Be)	2025/08/28	102	80 - 120	108	80 - 120	<0.00010	mg/L	NC	20		
C064202	Total Bismuth (Bi)	2025/08/28	100	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
C064202	Total Boron (B)	2025/08/28	102	80 - 120	107	80 - 120	<0.050	mg/L	NC	20		
C064202	Total Cadmium (Cd)	2025/08/28	103	80 - 120	106	80 - 120	<0.000010	mg/L	NC	20		
C064202	Total Chromium (Cr)	2025/08/28	296 (1)	80 - 120	107	80 - 120	<0.0010	mg/L	24 (1)	20		
C064202	Total Cobalt (Co)	2025/08/28	102	80 - 120	104	80 - 120	<0.00020	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C571965

Report Date: 2026/07/28

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: SC

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C064202	Total Copper (Cu)	2025/08/28	102	80 - 120	105	80 - 120	<0.00050	mg/L	NC	20		
C064202	Total Iron (Fe)	2025/08/28	152 (1)	80 - 120	105	80 - 120	<0.010	mg/L	29 (1)	20		
C064202	Total Lead (Pb)	2025/08/28	101	80 - 120	104	80 - 120	<0.00020	mg/L	NC	20		
C064202	Total Lithium (Li)	2025/08/28	101	80 - 120	108	80 - 120	<0.0020	mg/L	NC	20		
C064202	Total Manganese (Mn)	2025/08/28	106	80 - 120	104	80 - 120	<0.0010	mg/L	NC	20		
C064202	Total Molybdenum (Mo)	2025/08/28	360 (1)	80 - 120	110	80 - 120	<0.0010	mg/L	9.6	20		
C064202	Total Nickel (Ni)	2025/08/28	145 (1)	80 - 120	104	80 - 120	<0.0010	mg/L	48 (1)	20		
C064202	Total Selenium (Se)	2025/08/28	98	80 - 120	101	80 - 120	<0.00010	mg/L	NC	20		
C064202	Total Silicon (Si)	2025/08/28	98	80 - 120	103	80 - 120	<0.10	mg/L	0.99	20		
C064202	Total Silver (Ag)	2025/08/28	96	80 - 120	98	80 - 120	<0.000020	mg/L	NC	20		
C064202	Total Strontium (Sr)	2025/08/28	99	80 - 120	103	80 - 120	<0.0010	mg/L	3.2	20		
C064202	Total Thallium (Tl)	2025/08/28	102	80 - 120	104	80 - 120	<0.000010	mg/L	NC	20		
C064202	Total Tin (Sn)	2025/08/28	107	80 - 120	107	80 - 120	<0.0050	mg/L	NC	20		
C064202	Total Titanium (Ti)	2025/08/28	99	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C064202	Total Uranium (U)	2025/08/28	105	80 - 120	108	80 - 120	<0.00010	mg/L	NC	20		
C064202	Total Vanadium (V)	2025/08/28	104	80 - 120	106	80 - 120	<0.0050	mg/L	NC	20		
C064202	Total Zinc (Zn)	2025/08/28	100	80 - 120	104	80 - 120	<0.0050	mg/L	NC	20		
C064202	Total Zirconium (Zr)	2025/08/28	103	80 - 120	104	80 - 120	<0.00010	mg/L	NC	20		
C072605	Total Organic Carbon (C)	2025/09/04	112	75 - 125	99	80 - 120	<0.20	mg/L	0.59	20		
C072776	Dissolved Organic Carbon (C)	2025/09/04	110	75 - 125	96	80 - 120	<0.20	mg/L	5.8	20		



BUREAU
VERITAS

Bureau Veritas Job #: C571965

Report Date: 2026/07/28

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: SC

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C093206	Radium 226	2025/09/18			87	85 - 115	<0.0050	Bq/l				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU
VERITAS

Bureau Veritas Job #: C571965
Report Date: 2026/07/28

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: SC

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cara Shurgot, Analyst 2

Danish Samad, Laboratory Supervisor

Kimberly Tamaki, Scientist, Ecotoxicology

Mixaben Patel, Sample Logistics Technician-1

Sandy Yuan, M.Sc., QP, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas Certified by Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics



Bureau Veritas Job #: C571965
Report Date: 2026/07/28

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: SC

VALIDATION SIGNATURE PAGE(CONT'D)

The analytical data and all QC contained in this report were reviewed and validated by:

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.

C571965
2025/08/20 10:50

Choose location:
0 Calgary, AB: 4000 - 19th St. NE, T2E 6PBT011free (800) 386-7247

Chain of Custody Record 92GN ENV

0 Edmonton, AB: 4326 - 76 Avenue 1, W, TGB2TB Toll Free (800) 386-7247

CCC: 00013v6

0 Winnipeg, MB: 0-675 Berry St. RJH1A7 Toll Free (866) BOO - 6208



EYK-2025-08-0Bi

Invoice Information		Invoice to (requires report)		As per Information (if differs from Invoice)		Project Information	
Company:	B2Gold Back River Corp	Company:	B2Gold Back River Corp	Quotation#:			
Contact Name:	Chris LeGoffe	Contact Name:	Chris LeGoffe	P.O. 1/A/EI:	4700000200		
Street Address:	Suite 3400 666 Bunard St.	Street Address:	Suite 3400 666 Burrill St.	Project:	82Gold Nunawt		
City:	Vancouver	City:	Vancouver	Site:	Goose Lake		
Prov:	BC	Prov:	BC	State:	Back River Mine		
Postal Code:	V6C 2K8	Postal Code:	V6C 2K8	Site location:	Nunawt		
Phone:	1.604.681.837	Phone:	867.336.1349	Province:	SC, SM, IQ		
Email:	Syabom	Email:	leoffe@b2gold.ca	Sampled By:			
Copies:	clego	Copies:	bl.aoxi@b2gold.ca w.lalanc@b2gold.ca t.v-ts@b2gold.ca				

OAT1		CCME		Drinking water, - Canada	
D MOMER		O Other:			

SAMPLES MUST BE KEPT COOL (C)		LING UNTIL DELIVERY TO BUREAU VERITAS	
Sample Identification		Date Sampled	
BRP-01		2025 19 15 10	

Date Sampled		Time (24hr)		Matrix	
YYYY	MM	DD	HH	MM	Matrix
2025	19	15	10		W

LAB USE ONLY		LAB USE ONLY		LAB USE ONLY	
Seal present	Yes	Seal present	Yes	Seal present	Yes
Seal intact	No	Seal intact	No	Seal intact	No
Cooling media present		Cooling media present		Cooling media present	

Relinquished by: (Signature/ Print)		Date		Time	
Steve Cheyne		YYYY	MM	DD	HH
		25	8	20	8

Received by: (Signature/ Print)		Date		Time	
		YYYY	MM	DD	HH

LAB USE ONLY		LAB USE ONLY		LAB USE ONLY	
Seal present	Yes	Seal present	Yes	Seal present	Yes
Seal intact	No	Seal intact	No	Seal intact	No
Cooling media present		Cooling media present		Cooling media present	

Date		Time		Special Instructions	
YY	MM	DD	HH	MM	

Received in Yellowknife	
By: J. LeGoffe	
AUG 20 2025	
Temp: 5/3/3/3/2	
CS: No Ice: Yes	

2025/08/20 10:50



Choose Location:

0 Calgary, AB: 4000- 19th St. NE. T2E 6P6 Toll Free (800) 386-7247
0 Edmonton, AB: 4326- 76 Avenue NW, T6B 2T8 Toll Free (800) 386- 7247
Q Winnipeg, MB: D-6758 Berry St. R3H 1A7 Toll Free (866) 800-6208

Chain of Custody Record

B2GN ENV

COC *000131/6

Page 1 of 1

[illegible]

Page 19 of 20



0 Calgary, AB: 14000 19th St. NE, T2EGP8 To UFree (800) 386-7247
0 Edmonton, AB: 4326 76 Avenue NW, T5B 2T8 Toll Free (800) 386-7247
0 Winnipeg, MB: 0-675 Berry St. R3H 1A7 Toll Free (866) 1800-6208

Page i of 1

In 101ce Information		Involoce (require/repon)		D		In 101ce Information		Involoce (require/repon)		D		In 101ce Information		Involoce (require/repon)		D	
Company:		B2Gold 8.ac.k Amr Corp		Company:		B2Gold Back River Corp		Company:		B2Gold Back River Corp		Company:		B2Gold Back River Corp		Company:	
Contact Name:		Chitlis leGo11e		Contact Name:		Chris LeGoffe		Contact Name:		Chris LeGoffe		Contact Name:		Chris LeGoffe		Contact Name:	
Suite A.dren:		Suite 3400 SOO Bvrra.ro SL		Suite A.dren:		Suite 3400 666 Burrard St.		Suite A.dren:		Suite 3400 666 Burrard St.		Suite A.dren:		Suite 3400 666 Burrard St.		Suite A.dren:	
CIIV:		Vanc:ouver		Prov:		BC		CIIV:		Vanc:ouver		Prov:		BC		CIIV:	
Phone:		1.604.681.8371		Phone:		867.336.13119		Phone:		867.336.13119		Phone:		867.336.13119		Phone:	
Email:		BR.AccountsPayable@b2gold.com		Email:		cl.escoffe@b2gold.com		Email:		cl.escoffe@b2gold.com		Email:		cl.escoffe@b2gold.com		Email:	
Copies:		legoffe@b2gold.com		Copies:		bt on: llt>nn: nl@b2ltd.com n131001@b2ltd.com fle*1s@11.111etd&roup.com		Copies:		bt on: llt>nn: nl@b2ltd.com n131001@b2ltd.com fle*1s@11.111etd&roup.com		Copies:		bt on: llt>nn: nl@b2ltd.com n131001@b2ltd.com fle*1s@11.111etd&roup.com		Copies:	
Project Information		Quonlont:		Project Information		Quonlont:		Project Information		Quonlont:		Project Information		Quonlont:		Project Information	
P.O.//AFE#:		4700000200		P.O.//AFE#:		4700000200		P.O.//AFE#:		4700000200		P.O.//AFE#:		4700000200		P.O.//AFE#:	
Pr0Jec1t:		B2Gold Nunavut		Pr0Jec1t:		B2Gold Nunavut		Pr0Jec1t:		B2Gold Nunavut		Pr0Jec1t:		B2Gold Nunavut		Pr0Jec1t:	
Site#:		Goose Lake		Site#:		Goose Lake		Site#:		Goose Lake		Site#:		Goose Lake		Site#:	
Site location:		Back River Mine		Site location:		Back River Mine		Site location:		Back River Mine		Site location:		Back River Mine		Site location:	
Site ocation:		Nunavut		Site ocation:		Nunavut		Site ocation:		Nunavut		Site ocation:		Nunavut		Site ocation:	
Province:		SC, SM, IQ		Province:		SC, SM, IQ		Province:		SC, SM, IQ		Province:		SC, SM, IQ		Province:	
Sampled By:				Sampled By:				Sampled By:				Sampled By:				Sampled By:	
Rush confirmation#:				Rush confirmation#:				Rush confirmation#:				Rush confirmation#:				Rush confirmation#:	
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85 Day		0		85 Day		0		85 Day		0		85 Day		0		85 Day	
90 Day																	

**Attention: Chris LeGoffe**

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 1/1

Report Date: 2025/08/06

Report #: R3694709

Version: 2 - Final

CERTIFICATE OF ANALYSIS**BUREAU VERITAS JOB #: C564267****Received: 2025/07/21, 11:26**

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Low Level	1	N/A	2025/07/24	AB SOP-00005	SM 24 2320 B m
Low level chloride/sulphate by AC	1	N/A	2025/07/23	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total)	1	N/A	2025/07/26	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable)	1	N/A	2025/07/26	CAL SOP-00270	SM 24 4500-CN m
Carbon (DOC) (1)	1	N/A	2025/08/06	AB SOP-00087	MMCW 119 1996 m
Conductance - Low Level	1	N/A	2025/07/24	AB SOP-00005	SM 24 2510 B m
Fluoride - Low Level	1	N/A	2025/07/24	AB SOP-00005	SM 24 4500-F C m
Free Cyanide	1	N/A	2025/07/26	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (2)	1	N/A	2025/07/26	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3)	1	N/A	2025/07/25	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV (3)	1	2025/07/25	2025/07/25	AB SOP-00084	BCMOE BCLM Oct2013 m
Mercury (Total) by CV	1	2025/07/25	2025/07/25	AB SOP-00084	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	1	N/A	2025/07/25		Auto Calc
Elements by CRC ICPMS (dissolved) (3)	1	N/A	2025/07/24	AB SOP-00043	EPA 6020 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	1	2025/07/22	2025/07/26		Auto Calc
Elements by CRC ICPMS (total)	1	2025/07/24	2025/07/25	AB SOP-00043	EPA 6020 m
Un-Ionized Ammonia (NH3) as N	1	N/A	2025/07/24		Auto Calc
Ammonia-N Low Level (Preserved)	1	N/A	2025/07/24	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate and Nitrite	1	N/A	2025/07/25		Auto Calc
NO2 (N); NO2 (N) + NO3 (N) in Water (LL)	1	N/A	2025/07/23	AB SOP-00091	SM 24 4500 NO3m
Nitrate (as N) (Low Level)	1	2025/07/22	2025/07/25		Auto Calc
pH @25°C (4)	1	N/A	2025/07/24	AB SOP-00005	SM 24 4500-H+B m
pH (Field)	1	N/A	2025/07/22	Field Test	Field Test
Redox Potential (OnSite-Field)	1	N/A	2025/07/22	Field Test	Field Test
Total Dissolved Solids (Filt. Residue)	1	2025/07/24	2025/07/25	AB SOP-00065	SM 24 2540 C m
Total Dissolved Solids (Calculated)	1	N/A	2025/07/26		Auto Calc
Temperature (Field)	1	N/A	2025/07/22	Field Test	Field Test
Total Kjeldahl Nitrogen (Total)	1	N/A	2025/07/25		Auto Calc
Nitrogen (Total)	1	2025/07/23	2025/07/23	AB SOP-00093	SM 24 4500-N C m
Carbon (Total Organic) (5)	1	N/A	2025/07/25	AB SOP-00087	MMCW 119 1996 m
Total Phosphorus Low Level Total	1	2025/07/28	2025/07/29	AB SOP-00024	SM 24 4500-P A,B,F m



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 1/1

Report Date: 2025/08/06

Report #: R3694709

Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C564267

Received: 2025/07/21, 11:26

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Suspended Solids (NFR)	1	2025/07/23	2025/07/23	AB SOP-00061	SM 24 2540 D m
Turbidity	1	N/A	2025/07/23	CAL SOP-00081	SM 24 2130 B m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(2) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(3) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(4) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.

(5) TOC present in the sample should be considered as non-purgeable TOC.



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 1/1

Report Date: 2025/08/06
Report #: R3694709
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C564267

Received: 2025/07/21, 11:26

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

06 Aug 2025 16:55:04

Please direct all questions regarding this Certificate of Analysis to:
Stephanie Rodriguez Camacho, Customer Solutions Representative
Email: Stephanie.Rodriguez@bureauveritas.com
Phone# (403) 291-3077

=====

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BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Calculated Parameters				
Dissolved Hardness (CaCO ₃)	mg/L	32.7	0.50	C025514
Total Hardness (CaCO ₃)	mg/L	38.3	0.50	C025508
Dissolved Nitrate (N)	mg/L	0.026	0.0030	C025644
Nitrate (NO ₃)	mg/L	0.11	0.013	C026242
Nitrite (NO ₂)	mg/L	<0.0033	0.0033	C026242
Calculated Total Dissolved Solids	mg/L	42	10	C026357
Total Total Kjeldahl Nitrogen (Calc)	mg/L	0.26	0.020	C025701
Un-Ionized Ammonia	mg/L	<0.00050	0.00050	C025638
Field Parameters				
Field pH	pH	6.88	N/A	ONSITE
Field Redox Potential	mV	165.1	N/A	ONSITE
Field Temperature (Fd)	deg. C	12.0	N/A	ONSITE
Misc. Inorganics				
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C030904
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C030908
Fluoride (F)	mg/L	0.027	0.010	C029331
Free Free Cyanide	mg/L	<0.00050	0.00050	C030913
Dissolved Organic Carbon (C)	mg/L	3.7	0.20	C040587
pH	pH	6.73	N/A	C029329
Alkalinity (Total as CaCO ₃)	mg/L	6.99	0.50	C029327
Total Organic Carbon (C)	mg/L	4.1	0.20	C030105
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	0.50	C029327
Bicarbonate (HCO ₃)	mg/L	8.52	0.50	C029327
Carbonate (CO ₃)	mg/L	<0.50	0.50	C029327
Hydroxide (OH)	mg/L	<0.50	0.50	C029327
Total Dissolved Solids	mg/L	68	10	C028055
Total Suspended Solids	mg/L	5.4	1.0	C026619
Anions				
Chloride (Cl)	mg/L	9.2	0.50	C027254
Sulphate (SO ₄)	mg/L	16	0.50	C027254
RDL = Reportable Detection Limit N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Nutrients				
Total Phosphorus (P)	mg/L	0.0050	0.0010	C032005
Total Ammonia (N)	mg/L	0.0067	0.0050	C028241
Dissolved Nitrite (N)	mg/L	<0.0010	0.0010	C027345
Dissolved Nitrate plus Nitrite (N)	mg/L	0.026	0.0030	C027345
Total Nitrogen (N)	mg/L	0.28	0.020	C027347
Physical Properties				
Conductivity	uS/cm	87.1	1.0	C029330
Physical Properties				
Turbidity	NTU	3.4	0.10	C027204
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Elements				
Dissolved Mercury (Hg)	mg/L	<0.0000019	0.0000019	C029953
Total Mercury (Hg)	mg/L	<0.0000019	0.0000019	C029975
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	mg/L	0.0085	0.0030	C028800
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	C028800
Dissolved Arsenic (As)	mg/L	0.00042	0.00010	C028800
Dissolved Barium (Ba)	mg/L	0.0109	0.0010	C028800
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	C028800
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	C028800
Dissolved Boron (B)	mg/L	<0.050	0.050	C028800
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	C028800
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	C028800
Dissolved Cobalt (Co)	mg/L	<0.00020	0.00020	C028800
Dissolved Copper (Cu)	mg/L	0.00136	0.00020	C028800
Dissolved Iron (Fe)	mg/L	0.0450	0.0050	C028800
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	C028800
Dissolved Lithium (Li)	mg/L	<0.0020	0.0020	C028800
Dissolved Manganese (Mn)	mg/L	0.0042	0.0010	C028800
Dissolved Molybdenum (Mo)	mg/L	<0.0010	0.0010	C028800
Dissolved Nickel (Ni)	mg/L	0.0021	0.0010	C028800
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	C028800
Dissolved Silicon (Si)	mg/L	0.21	0.10	C028800
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	C028800
Dissolved Strontium (Sr)	mg/L	0.0267	0.0010	C028800
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	C028800
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	C028800
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	C028800
Dissolved Uranium (U)	mg/L	<0.00010	0.00010	C028800
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	C028800
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	C028800
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	C028800
Dissolved Calcium (Ca)	mg/L	7.19	0.050	C026396
Dissolved Magnesium (Mg)	mg/L	3.59	0.050	C026396
Dissolved Potassium (K)	mg/L	0.725	0.050	C026396
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Dissolved Sodium (Na)	mg/L	1.12	0.050	C026396
Dissolved Sulphur (S)	mg/L	5.2	3.0	C026396
Total Metals by ICPMS				
Total Aluminum (Al)	mg/L	0.125	0.0030	C028250
Total Antimony (Sb)	mg/L	<0.00050	0.00050	C028250
Total Arsenic (As)	mg/L	0.00056	0.00010	C028250
Total Barium (Ba)	mg/L	0.0123	0.0010	C028250
Total Beryllium (Be)	mg/L	<0.00010	0.00010	C028250
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	C028250
Total Boron (B)	mg/L	<0.050	0.050	C028250
Total Cadmium (Cd)	mg/L	<0.000010	0.000010	C028250
Total Chromium (Cr)	mg/L	<0.0010	0.0010	C028250
Total Cobalt (Co)	mg/L	0.00021	0.00020	C028250
Total Copper (Cu)	mg/L	0.00229	0.00050	C028250
Total Iron (Fe)	mg/L	0.188	0.010	C028250
Total Lead (Pb)	mg/L	<0.00020	0.00020	C028250
Total Lithium (Li)	mg/L	<0.0020	0.0020	C028250
Total Manganese (Mn)	mg/L	0.0072	0.0010	C028250
Total Molybdenum (Mo)	mg/L	<0.0010	0.0010	C028250
Total Nickel (Ni)	mg/L	0.0025	0.0010	C028250
Total Selenium (Se)	mg/L	<0.00010	0.00010	C028250
Total Silicon (Si)	mg/L	0.39	0.10	C028250
Total Silver (Ag)	mg/L	<0.000020	0.000020	C028250
Total Strontium (Sr)	mg/L	0.0317	0.0010	C028250
Total Thallium (Tl)	mg/L	<0.000010	0.000010	C028250
Total Tin (Sn)	mg/L	<0.0050	0.0050	C028250
Total Titanium (Ti)	mg/L	<0.0050	0.0050	C028250
Total Uranium (U)	mg/L	<0.00010	0.00010	C028250
Total Vanadium (V)	mg/L	<0.0050	0.0050	C028250
Total Zinc (Zn)	mg/L	<0.0050	0.0050	C028250
Total Zirconium (Zr)	mg/L	0.00010	0.00010	C028250
Total Calcium (Ca)	mg/L	7.89	0.050	C026116
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Total Magnesium (Mg)	mg/L	4.52	0.050	C026116
Total Potassium (K)	mg/L	0.768	0.050	C026116
Total Sodium (Na)	mg/L	1.39	0.050	C026116
Total Sulphur (S)	mg/L	5.8	3.0	C026116
RDL = Reportable Detection Limit				



**BUREAU
VERITAS**

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

GENERAL COMMENTS

Results relate only to the items tested.

BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

QUALITY ASSURANCE REPORT

B2Gold Back River Corp.
 Client Project #: B2GOLD NUNAVUT
 Site Location: BACK RIVER MINE
 Your P.O. #: 470000200
 Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C026619	Total Suspended Solids	2025/07/23	111	80 - 120	95	80 - 120	<1.0	mg/L	2.5	20		
C027204	Turbidity	2025/07/23			99	80 - 120	<0.10	NTU	0.58	20		
C027254	Chloride (Cl)	2025/07/23	105	80 - 120	99	80 - 120	<0.50	mg/L	NC	20		
C027254	Sulphate (SO4)	2025/07/23	107	80 - 120	102	80 - 120	<0.50	mg/L				
C027345	Dissolved Nitrate plus Nitrite (N)	2025/07/23	111	80 - 120	96	80 - 120	<0.0030	mg/L	8.9	20		
C027345	Dissolved Nitrite (N)	2025/07/23	110	80 - 120	110	80 - 120	<0.0010	mg/L	NC	20		
C027347	Total Nitrogen (N)	2025/07/23	104	80 - 120	102	80 - 120	<0.020	mg/L	3.0	20	103	80 - 120
C028055	Total Dissolved Solids	2025/07/25	NC	80 - 120	100	80 - 120	<10	mg/L	2.1	20		
C028241	Total Ammonia (N)	2025/07/24	110	80 - 120	108	80 - 120	<0.0050	mg/L	2.1	20		
C028250	Total Aluminum (Al)	2025/07/25	104	80 - 120	118	80 - 120	<0.0030	mg/L	162 (1)	20		
C028250	Total Antimony (Sb)	2025/07/25	109	80 - 120	108	80 - 120	<0.00050	mg/L	NC	20		
C028250	Total Arsenic (As)	2025/07/25	96	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
C028250	Total Barium (Ba)	2025/07/25	103	80 - 120	103	80 - 120	<0.0010	mg/L				
C028250	Total Beryllium (Be)	2025/07/25	96	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
C028250	Total Bismuth (Bi)	2025/07/25	106	80 - 120	106	80 - 120	<0.0010	mg/L	NC	20		
C028250	Total Boron (B)	2025/07/25	100	80 - 120	99	80 - 120	<0.050	mg/L				
C028250	Total Cadmium (Cd)	2025/07/25	98	80 - 120	99	80 - 120	<0.000010	mg/L	NC	20		
C028250	Total Chromium (Cr)	2025/07/25	98	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
C028250	Total Cobalt (Co)	2025/07/25	96	80 - 120	94	80 - 120	<0.00020	mg/L	NC	20		
C028250	Total Copper (Cu)	2025/07/25	93	80 - 120	93	80 - 120	<0.00050	mg/L	NC	20		
C028250	Total Iron (Fe)	2025/07/25	96	80 - 120	93	80 - 120	<0.010	mg/L				
C028250	Total Lead (Pb)	2025/07/25	101	80 - 120	102	80 - 120	<0.00020	mg/L	NC	20		
C028250	Total Lithium (Li)	2025/07/25	95	80 - 120	95	80 - 120	<0.0020	mg/L				
C028250	Total Manganese (Mn)	2025/07/25	102	80 - 120	101	80 - 120	<0.0010	mg/L				
C028250	Total Molybdenum (Mo)	2025/07/25	99	80 - 120	104	80 - 120	<0.0010	mg/L	NC	20		
C028250	Total Nickel (Ni)	2025/07/25	94	80 - 120	94	80 - 120	<0.0010	mg/L	NC	20		
C028250	Total Selenium (Se)	2025/07/25	97	80 - 120	98	80 - 120	<0.00010	mg/L	NC	20		
C028250	Total Silicon (Si)	2025/07/25	111	80 - 120	108	80 - 120	<0.10	mg/L				
C028250	Total Silver (Ag)	2025/07/25	96	80 - 120	97	80 - 120	<0.000020	mg/L	NC	20		
C028250	Total Strontium (Sr)	2025/07/25	101	80 - 120	104	80 - 120	<0.0010	mg/L				
C028250	Total Thallium (Tl)	2025/07/25	109	80 - 120	109	80 - 120	<0.000010	mg/L	NC	20		

BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
 Client Project #: B2GOLD NUNAVUT
 Site Location: BACK RIVER MINE
 Your P.O. #: 470000200
 Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C028250	Total Tin (Sn)	2025/07/25	101	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
C028250	Total Titanium (Ti)	2025/07/25	102	80 - 120	95	80 - 120	<0.0050	mg/L	NC	20		
C028250	Total Uranium (U)	2025/07/25	107	80 - 120	107	80 - 120	<0.00010	mg/L	NC	20		
C028250	Total Vanadium (V)	2025/07/25	100	80 - 120	98	80 - 120	<0.0050	mg/L	NC	20		
C028250	Total Zinc (Zn)	2025/07/25	96	80 - 120	96	80 - 120	<0.0050	mg/L	NC	20		
C028250	Total Zirconium (Zr)	2025/07/25	111	80 - 120	107	80 - 120	<0.00010	mg/L	NC	20		
C028800	Dissolved Aluminum (Al)	2025/07/24	105	80 - 120	104	80 - 120	<0.0030	mg/L	1.0	20		
C028800	Dissolved Antimony (Sb)	2025/07/24	98	80 - 120	103	80 - 120	<0.00050	mg/L	NC	20		
C028800	Dissolved Arsenic (As)	2025/07/24	101	80 - 120	101	80 - 120	<0.00010	mg/L	0.44	20		
C028800	Dissolved Barium (Ba)	2025/07/24	103	80 - 120	105	80 - 120	<0.0010	mg/L	0.069	20		
C028800	Dissolved Beryllium (Be)	2025/07/24	120	80 - 120	110	80 - 120	<0.00010	mg/L	NC	20		
C028800	Dissolved Bismuth (Bi)	2025/07/24	99	80 - 120	106	80 - 120	<0.0010	mg/L	NC	20		
C028800	Dissolved Boron (B)	2025/07/24	110	80 - 120	98	80 - 120	<0.050	mg/L	NC	20		
C028800	Dissolved Cadmium (Cd)	2025/07/24	100	80 - 120	104	80 - 120	<0.000010	mg/L	NC	20		
C028800	Dissolved Chromium (Cr)	2025/07/24	101	80 - 120	102	80 - 120	<0.0010	mg/L	NC	20		
C028800	Dissolved Cobalt (Co)	2025/07/24	97	80 - 120	104	80 - 120	<0.00020	mg/L	1.0	20		
C028800	Dissolved Copper (Cu)	2025/07/24	96	80 - 120	104	80 - 120	<0.00020	mg/L	0.69	20		
C028800	Dissolved Iron (Fe)	2025/07/24	102	80 - 120	104	80 - 120	<0.0050	mg/L	0.069	20		
C028800	Dissolved Lead (Pb)	2025/07/24	93	80 - 120	102	80 - 120	<0.00020	mg/L	NC	20		
C028800	Dissolved Lithium (Li)	2025/07/24	108	80 - 120	98	80 - 120	<0.0020	mg/L	2.4	20		
C028800	Dissolved Manganese (Mn)	2025/07/24	NC	80 - 120	100	80 - 120	<0.0010	mg/L	1.1	20		
C028800	Dissolved Molybdenum (Mo)	2025/07/24	114	80 - 120	109	80 - 120	<0.0010	mg/L	NC	20		
C028800	Dissolved Nickel (Ni)	2025/07/24	95	80 - 120	100	80 - 120	<0.0010	mg/L	1.5	20		
C028800	Dissolved Selenium (Se)	2025/07/24	110	80 - 120	99	80 - 120	<0.00010	mg/L	2.3	20		
C028800	Dissolved Silicon (Si)	2025/07/24	96	80 - 120	101	80 - 120	<0.10	mg/L	0.67	20		
C028800	Dissolved Silver (Ag)	2025/07/24	106	80 - 120	102	80 - 120	<0.000020	mg/L	NC	20		
C028800	Dissolved Strontium (Sr)	2025/07/24	NC	80 - 120	99	80 - 120	<0.0010	mg/L	1.1	20		
C028800	Dissolved Thallium (Tl)	2025/07/24	101	80 - 120	105	80 - 120	<0.000010	mg/L	8.6	20		
C028800	Dissolved Tin (Sn)	2025/07/24	101	80 - 120	104	80 - 120	<0.0050	mg/L	NC	20		
C028800	Dissolved Titanium (Ti)	2025/07/24	99	80 - 120	105	80 - 120	<0.0050	mg/L	NC	20		
C028800	Dissolved Uranium (U)	2025/07/24	95	80 - 120	104	80 - 120	<0.00010	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C028800	Dissolved Vanadium (V)	2025/07/24	103	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C028800	Dissolved Zinc (Zn)	2025/07/24	93	80 - 120	99	80 - 120	<0.0050	mg/L	0.16	20		
C028800	Dissolved Zirconium (Zr)	2025/07/24	98	80 - 120	102	80 - 120	<0.00010	mg/L	0.58	20		
C029327	Alkalinity (PP as CaCO3)	2025/07/24					<0.50	mg/L	NC	20		
C029327	Alkalinity (Total as CaCO3)	2025/07/24			98	80 - 120	0.51, RDL=0.50 (2)	mg/L	2.4	20		
C029327	Bicarbonate (HCO3)	2025/07/24					0.63, RDL=0.50	mg/L	2.4	20		
C029327	Carbonate (CO3)	2025/07/24					<0.50	mg/L	NC	20		
C029327	Hydroxide (OH)	2025/07/24					<0.50	mg/L	NC	20		
C029329	pH	2025/07/24			100	97 - 103			1.8	N/A		
C029330	Conductivity	2025/07/24			101	90 - 110	<1.0	uS/cm	0.32	20		
C029331	Fluoride (F)	2025/07/24	89	80 - 120	90	80 - 120	0.013, RDL=0.010 (2)	mg/L	NC	20		
C029953	Dissolved Mercury (Hg)	2025/07/25	99	80 - 120	101	80 - 120	<0.0000019	mg/L	NC	20		
C029975	Total Mercury (Hg)	2025/07/25	101	80 - 120	99	80 - 120	<0.0000019	mg/L	NC	20		
C030105	Total Organic Carbon (C)	2025/07/25	103	75 - 125	97	80 - 120	<0.20	mg/L	4.7	20		
C030904	Strong Acid Dissoc. Cyanide (CN)	2025/07/26	99	80 - 120	96	80 - 120	<0.00050	mg/L	NC	20		
C030908	Weak Acid Dissoc. Cyanide (CN)	2025/07/26	102	80 - 120	100	80 - 120	<0.00050	mg/L	NC	20		
C030913	Free Free Cyanide	2025/07/26	92	80 - 120	99	80 - 120	<0.00050	mg/L	NC	20		
C032005	Total Phosphorus (P)	2025/07/29	89	80 - 120	90	80 - 120	<0.0010	mg/L	NC	20	82	80 - 120



BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C040587	Dissolved Organic Carbon (C)	2025/08/06	100	75 - 125	102	80 - 120	<0.20	mg/L	0.13	20		
N/A = Not Applicable Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement. Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference. QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy. Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy. Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination. NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration) NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL). (1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria. (2) Method blank exceeds acceptance limits, 2x RDL acceptable for low level analysis												



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas Certified by Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

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**Attention: Chris LeGoffe**

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/08/08

Report #: R3696719

Version: 4 - Final

CERTIFICATE OF ANALYSIS**BUREAU VERITAS JOB #: C562712****Received: 2025/07/14, 15:00**

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Low Level (1)	3	N/A	2025/07/19	AB SOP-00005	SM 24 2320 B m
BTEX/F1 in Water by HS GC/MS/FID (1)	1	N/A	2025/07/18	AB SOP-00039	CCME CWS/EPA 8260d m
F1-BTEX (1)	1	N/A	2025/07/18		Auto Calc
Low level chloride/sulphate by AC (1)	3	N/A	2025/07/17	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total) (1)	3	N/A	2025/07/20	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (1)	3	N/A	2025/07/20	CAL SOP-00270	SM 24 4500-CN m
Carbon (DOC) (1, 3)	3	N/A	2025/07/25	AB SOP-00087	MMCW 119 1996 m
Conductance - Low Level (1)	3	N/A	2025/07/19	AB SOP-00005	SM 24 2510 B m
Fluoride - Low Level (1)	3	N/A	2025/07/19	AB SOP-00005	SM 24 4500-F C m
Free Cyanide (1)	2	N/A	2025/07/20	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (1, 4)	3	N/A	2025/07/21	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (1)	3	N/A	2025/07/18	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV (1, 5)	3	2025/07/18	2025/07/18	AB SOP-00084	BCMOE BCLM Oct2013 m
Mercury (Total) by CV (1)	3	2025/07/18	2025/07/18	AB SOP-00084	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (1)	3	N/A	2025/07/18		Auto Calc
Elements by CRC ICPMS (dissolved) (1, 5)	3	N/A	2025/07/17	AB SOP-00043	EPA 6020 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	3	2025/07/16	2025/07/21		Auto Calc
Elements by CRC ICPMS (total) (1)	3	2025/07/18	2025/07/21	AB SOP-00043	EPA 6020 m
Un-Ionized Ammonia (NH3) as N (1)	3	N/A	2025/07/18		Auto Calc
Ammonia-N Low Level (Preserved) (1)	3	N/A	2025/07/18	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate and Nitrite (1)	3	N/A	2025/07/18		Auto Calc
NO2 (N); NO2 (N) + NO3 (N) in Water (LL) (1)	3	N/A	2025/07/17	AB SOP-00091	SM 24 4500 NO3m
Nitrate (as N) (Low Level) (1)	3	2025/07/16	2025/07/18		Auto Calc
Oil and Grease (Gravimetric, n-Hexane) (1)	1	2025/07/17	2025/07/18	AB SOP-00092	SM 24 5520B/5520F m
pH @25°C (1, 6)	3	N/A	2025/07/19	AB SOP-00005	SM 24 4500-H+B m
pH (Field) (1)	3	N/A	2025/07/16	Field Test	Field Test
Redox Potential (OnSite-Field) (1)	3	N/A	2025/07/16	Field Test	Field Test
Total Dissolved Solids (Filt. Residue) (1)	3	2025/07/17	2025/07/18	AB SOP-00065	SM 24 2540 C m
Total Dissolved Solids (Calculated) (1)	3	N/A	2025/07/20		Auto Calc
Temperature (Field) (1)	3	N/A	2025/07/16	Field Test	Field Test
Total Trihalomethanes Calculation (1)	1	N/A	2025/07/22		Auto Calc



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/08/08

Report #: R3696719

Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C562712

Received: 2025/07/14, 15:00

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Kjeldahl Nitrogen (Total) (1)	1	N/A	2025/07/18		Auto Calc
Total Kjeldahl Nitrogen (Total) (1)	2	N/A	2025/07/21		Auto Calc
Nitrogen (Total) (1)	2	2025/07/17	2025/07/18	AB SOP-00093	SM 24 4500-N C m
Nitrogen (Total) (1)	1	2025/07/18	2025/07/18	AB SOP-00093	SM 24 4500-N C m
Carbon (Total Organic) (1, 7)	3	N/A	2025/07/25	AB SOP-00087	MMCW 119 1996 m
Total Phosphorus Low Level Total (1)	3	2025/07/17	2025/07/17	AB SOP-00024	SM 24 4500-P A,B,F m
Total Suspended Solids (NFR) (1)	3	2025/07/17	2025/07/17	AB SOP-00061	SM 24 2540 D m
Turbidity (1)	3	N/A	2025/07/17	CAL SOP-00081	SM 24 2130 B m
VOCs in Water by HS GC/MS (Std List) (1)	1	N/A	2025/07/18	AB SOP-00056	EPA 5021a/8260d m
Radium-226 Low Level (2, 8)	1	N/A	2025/08/07	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope



BUREAU
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dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/08/08

Report #: R3696719

Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C562712

Received: 2025/07/14, 15:00

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

- (1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8
- (2) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Rd., Unit 4, Mississauga, Ontario, L5N 5L9
- (3) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (4) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
- (5) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (6) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.
- (7) TOC present in the sample should be considered as non-purgeable TOC.
- (8) Radium-226 results have not been corrected for blanks.

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

08 Aug 2025 14:27:53

Please direct all questions regarding this Certificate of Analysis to:

Stephanie Rodriguez Camacho, Customer Solutions Representative

Email: Stephanie.Rodriguez@bureauveritas.com

Phone# (780) 577-7100

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.



Total Cover Pages : 3



**BUREAU
VERITAS**

Bureau Veritas Job #: C562712
Report Date: 2025/08/08

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DPC331			DPC332			DPC333		
Sampling Date		2025/07/13 11:00			2025/07/13 11:00			2025/07/13 11:00		
COC Number		1OF1			1OF1			1OF1		
	UNITS	BRP-01	RDL	QC Batch	BRP-02	RDL	QC Batch	BRP-18	RDL	QC Batch
Calculated Parameters										
Dissolved Hardness (CaCO ₃)	mg/L	32.9	0.50	C021135	33.3	0.50	C021135	49.5	0.50	C021135
Total Hardness (CaCO ₃)	mg/L	33.8	0.50	C020435	33.7	0.50	C020435	49.0	0.50	C020435
Dissolved Nitrate (N)	mg/L	0.033	0.0030	C021010	0.089	0.0030	C021010	2.6	0.20	C021010
Nitrate (NO ₃)	mg/L	0.15	0.013	C020456	0.39	0.013	C020456	12	0.89	C020456
Nitrite (NO ₂)	mg/L	<0.0033	0.0033	C020456	<0.0033	0.0033	C020456	0.012	0.0033	C020456
Calculated Total Dissolved Solids	mg/L	43	10	C021136	43	10	C021136	75	10	C021136
Total Total Kjeldahl Nitrogen (Calc)	mg/L	8.3	0.10	C021196	0.24	0.020	C021196	<0.20	0.20	C021196
Un-Ionized Ammonia	mg/L	<0.00050	0.00050	C020227	<0.00050	0.00050	C020227	<0.00050	0.00050	C020227
Field Parameters										
Field pH	pH	6.97	N/A	ONSITE	7.00	N/A	ONSITE	5.60	N/A	ONSITE
Field Redox Potential	mV	150.7	N/A	ONSITE	141.7	N/A	ONSITE	191.2	N/A	ONSITE
Field Temperature (Fd)	deg. C	10.8	N/A	ONSITE	10.4	N/A	ONSITE	9.3	N/A	ONSITE
Misc. Inorganics										
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C023949	<0.00050	0.00050	C023949	0.00327	0.00050	C023949
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C023950	<0.00050	0.00050	C023950	0.00221	0.00050	C023950
Fluoride (F)	mg/L	0.026	0.010	C022247	0.028	0.010	C022247	0.025	0.010	C022247
Free Free Cyanide	mg/L	<0.00050	0.00050	C023951				0.00160	0.00050	C023951
Dissolved Organic Carbon (C)	mg/L	3.4	0.20	C030344	3.7	0.20	C030344	3.1	0.20	C030344
pH	pH	6.13	N/A	C022245	6.33	N/A	C022245	6.16	N/A	C022245
Alkalinity (Total as CaCO ₃)	mg/L	7.68	0.50	C022240	7.55	0.50	C022240	4.52	0.50	C022240
Total Organic Carbon (C)	mg/L	3.6	0.20	C030105	3.9	0.20	C030105	3.7	0.20	C030105
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	0.50	C022240	<0.50	0.50	C022240	<0.50	0.50	C022240
Bicarbonate (HCO ₃)	mg/L	9.37	0.50	C022240	9.21	0.50	C022240	5.51	0.50	C022240
Carbonate (CO ₃)	mg/L	<0.50	0.50	C022240	<0.50	0.50	C022240	<0.50	0.50	C022240
Hydroxide (OH)	mg/L	<0.50	0.50	C022240	<0.50	0.50	C022240	<0.50	0.50	C022240
Total Dissolved Solids	mg/L	56	10	C021262	52	10	C021262	84	10	C021262
Total Suspended Solids	mg/L	1.4	1.0	C021253	17	1.0	C021253	<1.0	1.0	C021253
Anions										
Chloride (Cl)	mg/L	9.1	0.50	C022454	8.4	0.50	C022454	8.1	0.50	C022454
Sulphate (SO ₄)	mg/L	16	0.50	C022454	16	0.50	C022454	32	0.50	C022454
RDL = Reportable Detection Limit N/A = Not Applicable										



BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DPC331			DPC332			DPC333		
Sampling Date		2025/07/13 11:00			2025/07/13 11:00			2025/07/13 11:00		
COC Number		1OF1			1OF1			1OF1		
	UNITS	BRP-01	RDL	QC Batch	BRP-02	RDL	QC Batch	BRP-18	RDL	QC Batch
Nutrients										
Total Phosphorus (P)	mg/L	0.0021	0.0010	C021269	0.0024	0.0010	C021269	<0.0010	0.0010	C021269
Total Ammonia (N)	mg/L	0.0096	0.0050	C022701	0.013	0.0050	C022701	0.088	0.0050	C022684
Dissolved Nitrite (N)	mg/L	<0.0010	0.0010	C021688	<0.0010	0.0010	C021688	0.0037	0.0010	C021688
Dissolved Nitrate plus Nitrite (N)	mg/L	0.033	0.0030	C021688	0.089	0.0030	C021688	2.6	0.20	C021688
Total Nitrogen (N)	mg/L	8.3	0.10	C021959	0.33	0.020	C021959	2.7	0.10	C022894
Misc. Organics										
Total Oil and grease	mg/L				5.0	2.0	C019659			
Physical Properties										
Conductivity	uS/cm	81.4	1.0	C022246	82.4	1.0	C022246	128	1.0	C022246
RADIONUCLIDE										
Radium 226	Bq/l	<0.0050	0.0050	C043101						
Physical Properties										
Turbidity	NTU	2.9	0.10	C021637	3.7	0.10	C021637	<0.10	0.10	C021637
RDL = Reportable Detection Limit										



MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DPC331	DPC332	DPC333		
Sampling Date		2025/07/13 11:00	2025/07/13 11:00	2025/07/13 11:00		
COC Number		1OF1	1OF1	1OF1		
	UNITS	BRP-01	BRP-02	BRP-18	RDL	QC Batch
Elements						
Dissolved Mercury (Hg)	mg/L	0.0000019	<0.0000019	<0.0000019	0.0000019	C023214
Total Mercury (Hg)	mg/L	<0.0000019	<0.0000019	0.0000022	0.0000019	C023221
RDL = Reportable Detection Limit						



**BUREAU
VERITAS**

Bureau Veritas Job #: C562712
Report Date: 2025/08/08

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPC331	DPC332	DPC333		
Sampling Date		2025/07/13 11:00	2025/07/13 11:00	2025/07/13 11:00		
COC Number		1OF1	1OF1	1OF1		
	UNITS	BRP-01	BRP-02	BRP-18	RDL	QC Batch
Dissolved Metals by ICPMS						
Dissolved Aluminum (Al)	mg/L	0.0109	0.0109	0.0342	0.0030	C022266
Dissolved Antimony (Sb)	mg/L	<0.00050	<0.00050	<0.00050	0.00050	C022266
Dissolved Arsenic (As)	mg/L	0.00035	0.00035	0.00030	0.00010	C022266
Dissolved Barium (Ba)	mg/L	0.0102	0.0100	0.0262	0.0010	C022266
Dissolved Beryllium (Be)	mg/L	<0.00010	<0.00010	<0.00010	0.00010	C022266
Dissolved Bismuth (Bi)	mg/L	<0.0010	<0.0010	<0.0010	0.0010	C022266
Dissolved Boron (B)	mg/L	<0.050	<0.050	<0.050	0.050	C022266
Dissolved Cadmium (Cd)	mg/L	<0.000010	<0.000010	0.000052	0.000010	C022266
Dissolved Chromium (Cr)	mg/L	<0.0010	<0.0010	<0.0010	0.0010	C022266
Dissolved Cobalt (Co)	mg/L	<0.00020	<0.00020	0.00090	0.00020	C022266
Dissolved Copper (Cu)	mg/L	0.00127	0.00126	0.00242	0.00020	C022266
Dissolved Iron (Fe)	mg/L	0.0245	0.0176	0.0098	0.0050	C022266
Dissolved Lead (Pb)	mg/L	<0.00020	<0.00020	<0.00020	0.00020	C022266
Dissolved Lithium (Li)	mg/L	<0.0020	<0.0020	<0.0020	0.0020	C022266
Dissolved Manganese (Mn)	mg/L	0.0024	0.0034	0.0203	0.0010	C022266
Dissolved Molybdenum (Mo)	mg/L	<0.0010	<0.0010	<0.0010	0.0010	C022266
Dissolved Nickel (Ni)	mg/L	0.0022	0.0022	0.0093	0.0010	C022266
Dissolved Selenium (Se)	mg/L	<0.00010	<0.00010	<0.00010	0.00010	C022266
Dissolved Silicon (Si)	mg/L	0.30	0.31	0.58	0.10	C022266
Dissolved Silver (Ag)	mg/L	<0.000020	<0.000020	<0.000020	0.000020	C022266
Dissolved Strontium (Sr)	mg/L	0.0278	0.0281	0.0430	0.0010	C022266
Dissolved Thallium (Tl)	mg/L	<0.000010	<0.000010	<0.000010	0.000010	C022266
Dissolved Tin (Sn)	mg/L	<0.0050	<0.0050	<0.0050	0.0050	C022266
Dissolved Titanium (Ti)	mg/L	<0.0050	<0.0050	<0.0050	0.0050	C022266
Dissolved Uranium (U)	mg/L	<0.00010	<0.00010	<0.00010	0.00010	C022266
Dissolved Vanadium (V)	mg/L	<0.0050	<0.0050	<0.0050	0.0050	C022266
Dissolved Zinc (Zn)	mg/L	<0.0050	<0.0050	0.0068	0.0050	C022266
Dissolved Zirconium (Zr)	mg/L	<0.00010	<0.00010	<0.00010	0.00010	C022266
Dissolved Calcium (Ca)	mg/L	7.13	7.09	9.92	0.050	C020452
Dissolved Magnesium (Mg)	mg/L	3.66	3.79	6.02	0.050	C020452
Dissolved Potassium (K)	mg/L	0.678	0.697	1.47	0.050	C020452
RDL = Reportable Detection Limit						



BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPC331	DPC332	DPC333		
Sampling Date		2025/07/13 11:00	2025/07/13 11:00	2025/07/13 11:00		
COC Number		1OF1	1OF1	1OF1		
	UNITS	BRP-01	BRP-02	BRP-18	RDL	QC Batch
Dissolved Sodium (Na)	mg/L	1.10	1.13	2.63	0.050	C020452
Dissolved Sulphur (S)	mg/L	6.1	5.2	10.4	3.0	C020452
Total Metals by ICPMS						
Total Aluminum (Al)	mg/L	0.0150	0.0314	0.0389	0.0030	C022862
Total Antimony (Sb)	mg/L	<0.00050	<0.00050	<0.00050	0.00050	C022862
Total Arsenic (As)	mg/L	0.00039	0.00041	0.00033	0.00010	C022862
Total Barium (Ba)	mg/L	0.0108	0.0106	0.0269	0.0010	C022862
Total Beryllium (Be)	mg/L	<0.00010	<0.00010	<0.00010	0.00010	C022862
Total Bismuth (Bi)	mg/L	<0.0010	<0.0010	<0.0010	0.0010	C022862
Total Boron (B)	mg/L	<0.050	<0.050	<0.050	0.050	C022862
Total Cadmium (Cd)	mg/L	<0.000010	<0.000010	0.000053	0.000010	C022862
Total Chromium (Cr)	mg/L	0.0026	<0.0010	<0.0010	0.0010	C022862
Total Cobalt (Co)	mg/L	<0.00020	<0.00020	0.00097	0.00020	C022862
Total Copper (Cu)	mg/L	0.00156	0.00155	0.00276	0.00050	C022862
Total Iron (Fe)	mg/L	0.059	0.068	0.016	0.010	C022862
Total Lead (Pb)	mg/L	<0.00020	<0.00020	<0.00020	0.00020	C022862
Total Lithium (Li)	mg/L	<0.0020	<0.0020	<0.0020	0.0020	C022862
Total Manganese (Mn)	mg/L	0.0039	0.0052	0.0203	0.0010	C022862
Total Molybdenum (Mo)	mg/L	<0.0010	<0.0010	<0.0010	0.0010	C022862
Total Nickel (Ni)	mg/L	0.0025	0.0024	0.0097	0.0010	C022862
Total Selenium (Se)	mg/L	<0.00010	<0.00010	<0.00010	0.00010	C022862
Total Silicon (Si)	mg/L	0.33	0.34	0.58	0.10	C022862
Total Silver (Ag)	mg/L	<0.000020	<0.000020	<0.000020	0.000020	C022862
Total Strontium (Sr)	mg/L	0.0296	0.0296	0.0432	0.0010	C022862
Total Thallium (Tl)	mg/L	<0.000010	<0.000010	<0.000010	0.000010	C022862
Total Tin (Sn)	mg/L	<0.0050	<0.0050	<0.0050	0.0050	C022862
Total Titanium (Ti)	mg/L	<0.0050	<0.0050	<0.0050	0.0050	C022862
Total Uranium (U)	mg/L	<0.00010	<0.00010	<0.00010	0.00010	C022862
Total Vanadium (V)	mg/L	<0.0050	<0.0050	<0.0050	0.0050	C022862
Total Zinc (Zn)	mg/L	<0.0050	<0.0050	<0.0050	0.0050	C022862
Total Zirconium (Zr)	mg/L	<0.00010	<0.00010	<0.00010	0.00010	C022862
Total Calcium (Ca)	mg/L	7.38	7.22	9.93	0.050	C021009
RDL = Reportable Detection Limit						



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPC331	DPC332	DPC333		
Sampling Date		2025/07/13 11:00	2025/07/13 11:00	2025/07/13 11:00		
COC Number		1OF1	1OF1	1OF1		
	UNITS	BRP-01	BRP-02	BRP-18	RDL	QC Batch
Total Magnesium (Mg)	mg/L	3.73	3.82	5.87	0.050	C021009
Total Potassium (K)	mg/L	0.696	0.715	1.46	0.050	C021009
Total Sodium (Na)	mg/L	1.12	1.15	2.70	0.050	C021009
Total Sulphur (S)	mg/L	5.1	5.3	10.2	3.0	C021009
RDL = Reportable Detection Limit						



BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		DPC332		
Sampling Date		2025/07/13 11:00		
COC Number		1OF1		
	UNITS	BRP-02	RDL	QC Batch
Volatiles				
Total Trihalomethanes	mg/L	<0.0013	0.0013	C019986
Benzene	mg/L	<0.00040	0.00040	C021487
Bromodichloromethane	mg/L	<0.00050	0.00050	C021489
Toluene	mg/L	<0.00040	0.00040	C021487
Bromoform	mg/L	<0.00050	0.00050	C021489
Ethylbenzene	mg/L	<0.00040	0.00040	C021487
Bromomethane	mg/L	<0.0020	0.0020	C021489
m & p-Xylene	mg/L	<0.00080	0.00080	C021487
Carbon tetrachloride	mg/L	<0.00050	0.00050	C021489
o-Xylene	mg/L	<0.00040	0.00040	C021487
Chlorobenzene	mg/L	<0.00050	0.00050	C021489
Dibromochloromethane	mg/L	<0.0010	0.0010	C021489
Xylenes (Total)	mg/L	<0.00089	0.00089	C020409
Chloroethane	mg/L	<0.0010	0.0010	C021489
F1 (C6-C10) - BTEX	mg/L	<0.10	0.10	C020409
Chloroform	mg/L	<0.00050	0.00050	C021489
Chloromethane	mg/L	<0.0020	0.0020	C021489
F1 (C6-C10)	mg/L	<0.10	0.10	C021487
1,2-dibromoethane	mg/L	<0.00020	0.00020	C021489
1,2-dichlorobenzene	mg/L	<0.00050	0.00050	C021489
1,3-dichlorobenzene	mg/L	<0.00050	0.00050	C021489
1,4-dichlorobenzene	mg/L	<0.00050	0.00050	C021489
1,1-dichloroethane	mg/L	<0.00050	0.00050	C021489
1,2-dichloroethane	mg/L	<0.00050	0.00050	C021489
1,1-dichloroethene	mg/L	<0.00050	0.00050	C021489
cis-1,2-dichloroethene	mg/L	<0.00050	0.00050	C021489
trans-1,2-dichloroethene	mg/L	<0.00050	0.00050	C021489
Dichloromethane	mg/L	<0.0020	0.0020	C021489
1,2-dichloropropane	mg/L	<0.00050	0.00050	C021489
cis-1,3-dichloropropene	mg/L	<0.00050	0.00050	C021489
trans-1,3-dichloropropene	mg/L	<0.00050	0.00050	C021489
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		DPC332		
Sampling Date		2025/07/13 11:00		
COC Number		1OF1		
	UNITS	BRP-02	RDL	QC Batch
Methyl methacrylate	mg/L	<0.00050	0.00050	C021489
Methyl-tert-butylether (MTBE)	mg/L	<0.00050	0.00050	C021489
Styrene	mg/L	<0.00050	0.00050	C021489
1,1,1,2-tetrachloroethane	mg/L	<0.0010	0.0010	C021489
1,1,2,2-tetrachloroethane	mg/L	<0.0020	0.0020	C021489
Tetrachloroethene	mg/L	<0.00050	0.00050	C021489
1,2,3-trichlorobenzene	mg/L	<0.0010	0.0010	C021489
1,2,4-trichlorobenzene	mg/L	<0.0010	0.0010	C021489
1,3,5-trichlorobenzene	mg/L	<0.00050	0.00050	C021489
1,1,1-trichloroethane	mg/L	<0.00050	0.00050	C021489
1,1,2-trichloroethane	mg/L	<0.00050	0.00050	C021489
Trichloroethene	mg/L	<0.00020	0.00020	C021489
Trichlorofluoromethane	mg/L	<0.00050	0.00050	C021489
1,2,4-trimethylbenzene	mg/L	<0.00050	0.00050	C021489
1,3,5-trimethylbenzene	mg/L	<0.00050	0.00050	C021489
Vinyl chloride	mg/L	<0.00050	0.00050	C021489
Surrogate Recovery (%)				
1,4-Difluorobenzene (sur.)	%	104		C021487
4-Bromofluorobenzene (sur.)	%	100		C021487
D4-1,2-Dichloroethane (sur.)	%	105		C021487
1,4-Difluorobenzene (sur.)	%	99		C021489
4-Bromofluorobenzene (sur.)	%	106		C021489
D4-1,2-Dichloroethane (sur.)	%	106		C021489
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C562712
Report Date: 2025/08/08

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

GENERAL COMMENTS

Sample DPC331 [BRP-01] : Sample was analyzed past method specified hold time for Turbidity. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for NO2 (N); NO2 (N) + NO3 (N) in Water (LL).

Sample DPC332 [BRP-02] : Sample was analyzed past method specified hold time for Turbidity. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for NO2 (N); NO2 (N) + NO3 (N) in Water (LL).

Sample DPC333 [BRP-18] : Sample was analyzed past method specified hold time for Turbidity. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for NO2 (N); NO2 (N) + NO3 (N) in Water (LL).

Results relate only to the items tested.

BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

QUALITY ASSURANCE REPORT

B2Gold Back River Corp.
 Client Project #: B2GOLD NUNAVUT
 Site Location: BACK RIVER MINE
 Your P.O. #: 470000200
 Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C021487	1,4-Difluorobenzene (sur.)	2025/07/17	98	50 - 140	99	50 - 140	107	%				
C021487	4-Bromofluorobenzene (sur.)	2025/07/17	99	50 - 140	97	50 - 140	89	%				
C021487	D4-1,2-Dichloroethane (sur.)	2025/07/17	97	50 - 140	95	50 - 140	109	%				
C021489	1,4-Difluorobenzene (sur.)	2025/07/17	99	50 - 140	99	50 - 140	100	%				
C021489	4-Bromofluorobenzene (sur.)	2025/07/17	104	50 - 140	102	50 - 140	106	%				
C021489	D4-1,2-Dichloroethane (sur.)	2025/07/17	109	50 - 140	108	50 - 140	108	%				
C019659	Total Oil and grease	2025/07/18			100	70 - 130	<2.0	mg/L				
C021253	Total Suspended Solids	2025/07/17	96	80 - 120	97	80 - 120	<1.0	mg/L	20	20		
C021262	Total Dissolved Solids	2025/07/18	93	80 - 120	96	80 - 120	<10	mg/L	0.42	20		
C021269	Total Phosphorus (P)	2025/07/17	103	80 - 120	105	80 - 120	<0.0010	mg/L	NC	20	92	80 - 120
C021487	Benzene	2025/07/18	71	50 - 140	80	60 - 130	<0.00040	mg/L	NC	30		
C021487	Ethylbenzene	2025/07/18	81	50 - 140	93	60 - 130	<0.00040	mg/L	NC	30		
C021487	F1 (C6-C10)	2025/07/18	111	60 - 140	111	60 - 140	<0.10	mg/L	NC	30		
C021487	m & p-Xylene	2025/07/18	83	50 - 140	94	60 - 130	<0.00080	mg/L	NC	30		
C021487	o-Xylene	2025/07/18	81	50 - 140	96	60 - 130	<0.00040	mg/L	NC	30		
C021487	Toluene	2025/07/18	77	50 - 140	88	60 - 130	<0.00040	mg/L	NC	30		
C021489	1,1,1,2-tetrachloroethane	2025/07/17	91	50 - 140	91	60 - 130	<0.0010	mg/L	NC	30		
C021489	1,1,1-trichloroethane	2025/07/17	101	50 - 140	101	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,1,2,2-tetrachloroethane	2025/07/17	96	50 - 140	96	60 - 130	<0.0020	mg/L	NC	30		
C021489	1,1,2-trichloroethane	2025/07/17	101	50 - 140	101	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,1-dichloroethane	2025/07/17	102	50 - 140	102	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,1-dichloroethene	2025/07/17	101	50 - 140	101	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,2,3-trichlorobenzene	2025/07/17	100	50 - 140	103	60 - 130	<0.0010	mg/L	NC	30		
C021489	1,2,4-trichlorobenzene	2025/07/17	100	50 - 140	103	60 - 130	<0.0010	mg/L	NC	30		
C021489	1,2,4-trimethylbenzene	2025/07/17	108	50 - 140	109	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,2-dibromoethane	2025/07/17	98	50 - 140	97	60 - 130	<0.00020	mg/L	NC	30		
C021489	1,2-dichlorobenzene	2025/07/17	99	50 - 140	100	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,2-dichloroethane	2025/07/17	108	50 - 140	107	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,2-dichloropropane	2025/07/17	103	50 - 140	103	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,3,5-trichlorobenzene	2025/07/17	104	50 - 140	109	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,3,5-trimethylbenzene	2025/07/17	107	50 - 140	107	60 - 130	<0.00050	mg/L	NC	30		

BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
 Client Project #: B2GOLD NUNAVUT
 Site Location: BACK RIVER MINE
 Your P.O. #: 470000200
 Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C021489	1,3-dichlorobenzene	2025/07/17	102	50 - 140	102	60 - 130	<0.00050	mg/L	NC	30		
C021489	1,4-dichlorobenzene	2025/07/17	99	50 - 140	99	60 - 130	<0.00050	mg/L	NC	30		
C021489	Bromodichloromethane	2025/07/17	103	50 - 140	103	60 - 130	<0.00050	mg/L	NC	30		
C021489	Bromoform	2025/07/17	94	50 - 140	94	60 - 130	<0.00050	mg/L	NC	30		
C021489	Bromomethane	2025/07/17	96	50 - 140	91	60 - 130	<0.0020	mg/L	NC	30		
C021489	Carbon tetrachloride	2025/07/17	101	50 - 140	102	60 - 130	<0.00050	mg/L	NC	30		
C021489	Chlorobenzene	2025/07/17	92	50 - 140	93	60 - 130	<0.00050	mg/L	NC	30		
C021489	Chloroethane	2025/07/17	102	50 - 140	102	60 - 130	<0.0010	mg/L	NC	30		
C021489	Chloroform	2025/07/17	102	50 - 140	102	60 - 130	<0.00050	mg/L	NC	30		
C021489	Chloromethane	2025/07/17	108	50 - 140	107	60 - 130	<0.0020	mg/L	NC	30		
C021489	cis-1,2-dichloroethene	2025/07/17	102	50 - 140	102	60 - 130	<0.00050	mg/L	NC	30		
C021489	cis-1,3-dichloropropene	2025/07/17	98	50 - 140	92	60 - 130	<0.00050	mg/L	NC	30		
C021489	Dibromochloromethane	2025/07/17	94	50 - 140	94	60 - 130	<0.0010	mg/L	NC	30		
C021489	Dichloromethane	2025/07/17	92	50 - 140	92	60 - 130	<0.0020	mg/L	NC	30		
C021489	Methyl methacrylate	2025/07/17	110	50 - 140	108	60 - 130	<0.00050	mg/L	NC	30		
C021489	Methyl-tert-butylether (MTBE)	2025/07/17	103	50 - 140	103	60 - 130	<0.00050	mg/L	NC	30		
C021489	Styrene	2025/07/17	101	50 - 140	101	60 - 130	<0.00050	mg/L	NC	30		
C021489	Tetrachloroethene	2025/07/17	90	50 - 140	91	60 - 130	<0.00050	mg/L	NC	30		
C021489	trans-1,2-dichloroethene	2025/07/17	101	50 - 140	101	60 - 130	<0.00050	mg/L	NC	30		
C021489	trans-1,3-dichloropropene	2025/07/17	113	50 - 140	93	60 - 130	<0.00050	mg/L	NC	30		
C021489	Trichloroethene	2025/07/17	98	50 - 140	99	60 - 130	<0.00020	mg/L	NC	30		
C021489	Trichlorofluoromethane	2025/07/17	100	50 - 140	101	60 - 130	<0.00050	mg/L	NC	30		
C021489	Vinyl chloride	2025/07/17	98	50 - 140	96	60 - 130	<0.00050	mg/L	NC	30		
C021637	Turbidity	2025/07/17			100	80 - 120	<0.10	NTU	12	20		
C021688	Dissolved Nitrate plus Nitrite (N)	2025/07/17	NC	80 - 120	110	80 - 120	0.0057, RDL=0.0030 (1)	mg/L	0.70	20		
C021688	Dissolved Nitrite (N)	2025/07/17	NC	80 - 120	109	80 - 120	<0.0010	mg/L	0.30	20		
C021959	Total Nitrogen (N)	2025/07/21	120	80 - 120	102	80 - 120	<0.020	mg/L	0.47	20	102	80 - 120
C022240	Alkalinity (PP as CaCO3)	2025/07/19					<0.50	mg/L	NC	20		
C022240	Alkalinity (Total as CaCO3)	2025/07/19			100	80 - 120	<0.50	mg/L	3.2	20		
C022240	Bicarbonate (HCO3)	2025/07/19					<0.50	mg/L	3.2	20		



BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C022240	Carbonate (CO3)	2025/07/19					<0.50	mg/L	NC	20		
C022240	Hydroxide (OH)	2025/07/19					<0.50	mg/L	NC	20		
C022245	pH	2025/07/19			100	97 - 103			1.9	N/A		
C022246	Conductivity	2025/07/19			100	90 - 110	<1.0	uS/cm	0.24	20		
C022247	Fluoride (F)	2025/07/19	114	80 - 120	111	80 - 120	<0.010	mg/L	4.5	20		
C022266	Dissolved Aluminum (Al)	2025/07/17	98	80 - 120	102	80 - 120	<0.0030	mg/L	3.9	20		
C022266	Dissolved Antimony (Sb)	2025/07/17	103	80 - 120	98	80 - 120	<0.00050	mg/L	NC	20		
C022266	Dissolved Arsenic (As)	2025/07/17	103	80 - 120	99	80 - 120	<0.00010	mg/L	0.89	20		
C022266	Dissolved Barium (Ba)	2025/07/17	101	80 - 120	97	80 - 120	<0.0010	mg/L	1.1	20		
C022266	Dissolved Beryllium (Be)	2025/07/17	100	80 - 120	102	80 - 120	<0.00010	mg/L	NC	20		
C022266	Dissolved Bismuth (Bi)	2025/07/17	89	80 - 120	97	80 - 120	<0.0010	mg/L	NC	20		
C022266	Dissolved Boron (B)	2025/07/17	91	80 - 120	98	80 - 120	<0.050	mg/L	NC	20		
C022266	Dissolved Cadmium (Cd)	2025/07/17	98	80 - 120	100	80 - 120	<0.000010	mg/L	NC	20		
C022266	Dissolved Chromium (Cr)	2025/07/17	97	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
C022266	Dissolved Cobalt (Co)	2025/07/17	92	80 - 120	93	80 - 120	<0.00020	mg/L	0.68	20		
C022266	Dissolved Copper (Cu)	2025/07/17	90	80 - 120	92	80 - 120	<0.00020	mg/L	0.15	20		
C022266	Dissolved Iron (Fe)	2025/07/17	98	80 - 120	101	80 - 120	<0.0050	mg/L	0.57	20		
C022266	Dissolved Lead (Pb)	2025/07/17	100	80 - 120	100	80 - 120	<0.00020	mg/L	NC	20		
C022266	Dissolved Lithium (Li)	2025/07/17	100	80 - 120	102	80 - 120	<0.0020	mg/L	0.56	20		
C022266	Dissolved Manganese (Mn)	2025/07/17	NC	80 - 120	98	80 - 120	<0.0010	mg/L	0.25	20		
C022266	Dissolved Molybdenum (Mo)	2025/07/17	104	80 - 120	104	80 - 120	<0.0010	mg/L	NC	20		
C022266	Dissolved Nickel (Ni)	2025/07/17	93	80 - 120	96	80 - 120	<0.0010	mg/L	0.18	20		
C022266	Dissolved Selenium (Se)	2025/07/17	101	80 - 120	97	80 - 120	<0.00010	mg/L	3.2	20		
C022266	Dissolved Silicon (Si)	2025/07/17	97	80 - 120	97	80 - 120	<0.10	mg/L	1.2	20		
C022266	Dissolved Silver (Ag)	2025/07/17	95	80 - 120	96	80 - 120	<0.000020	mg/L	NC	20		
C022266	Dissolved Strontium (Sr)	2025/07/17	NC	80 - 120	99	80 - 120	<0.0010	mg/L	1.5	20		
C022266	Dissolved Thallium (Tl)	2025/07/17	103	80 - 120	102	80 - 120	<0.000010	mg/L	8.4	20		
C022266	Dissolved Tin (Sn)	2025/07/17	101	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C022266	Dissolved Titanium (Ti)	2025/07/17	99	80 - 120	99	80 - 120	<0.0050	mg/L	NC	20		
C022266	Dissolved Uranium (U)	2025/07/17	105	80 - 120	104	80 - 120	<0.00010	mg/L	0.43	20		
C022266	Dissolved Vanadium (V)	2025/07/17	99	80 - 120	98	80 - 120	<0.0050	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C022266	Dissolved Zinc (Zn)	2025/07/17	99	80 - 120	95	80 - 120	<0.0050	mg/L	2.1	20		
C022266	Dissolved Zirconium (Zr)	2025/07/17	99	80 - 120	98	80 - 120	<0.00010	mg/L	5.4	20		
C022454	Chloride (Cl)	2025/07/17	100	80 - 120	104	80 - 120	<0.50	mg/L	4.3	20		
C022454	Sulphate (SO4)	2025/07/17	96	80 - 120	97	80 - 120	<0.50	mg/L	0.23	20		
C022684	Total Ammonia (N)	2025/07/18	87	80 - 120	107	80 - 120	<0.0050	mg/L	0.36	20		
C022701	Total Ammonia (N)	2025/07/18	104	80 - 120	107	80 - 120	<0.0050	mg/L	NC	20		
C022862	Total Aluminum (Al)	2025/07/21	103	80 - 120	106	80 - 120	<0.0030	mg/L	0.081	20		
C022862	Total Antimony (Sb)	2025/07/21	102	80 - 120	103	80 - 120	<0.00050	mg/L	NC	20		
C022862	Total Arsenic (As)	2025/07/21	101	80 - 120	104	80 - 120	<0.00010	mg/L	4.0	20		
C022862	Total Barium (Ba)	2025/07/21	109	80 - 120	106	80 - 120	<0.0010	mg/L	2.1	20		
C022862	Total Beryllium (Be)	2025/07/21	97	80 - 120	110	80 - 120	<0.00010	mg/L	NC	20		
C022862	Total Bismuth (Bi)	2025/07/21	99	80 - 120	105	80 - 120	<0.0010	mg/L	NC	20		
C022862	Total Boron (B)	2025/07/21	NC	80 - 120	101	80 - 120	<0.050	mg/L	NC	20		
C022862	Total Cadmium (Cd)	2025/07/21	94	80 - 120	102	80 - 120	<0.000010	mg/L	11	20		
C022862	Total Chromium (Cr)	2025/07/21	100	80 - 120	102	80 - 120	<0.0010	mg/L	NC	20		
C022862	Total Cobalt (Co)	2025/07/21	94	80 - 120	99	80 - 120	<0.00020	mg/L	2.0	20		
C022862	Total Copper (Cu)	2025/07/21	88	80 - 120	99	80 - 120	<0.00050	mg/L	1.3	20		
C022862	Total Iron (Fe)	2025/07/21	NC	80 - 120	104	80 - 120	<0.010	mg/L	2.2	20		
C022862	Total Lead (Pb)	2025/07/21	102	80 - 120	104	80 - 120	<0.00020	mg/L	NC	20		
C022862	Total Lithium (Li)	2025/07/21	98	80 - 120	109	80 - 120	<0.0020	mg/L	0.23	20		
C022862	Total Manganese (Mn)	2025/07/21	NC	80 - 120	102	80 - 120	<0.0010	mg/L	2.0	20		
C022862	Total Molybdenum (Mo)	2025/07/21	NC	80 - 120	107	80 - 120	<0.0010	mg/L	3.3	20		
C022862	Total Nickel (Ni)	2025/07/21	90	80 - 120	99	80 - 120	<0.0010	mg/L	0.86	20		
C022862	Total Selenium (Se)	2025/07/21	92	80 - 120	99	80 - 120	<0.00010	mg/L	2.2	20		
C022862	Total Silicon (Si)	2025/07/21	102	80 - 120	103	80 - 120	<0.10	mg/L	2.4	20		
C022862	Total Silver (Ag)	2025/07/21	96	80 - 120	101	80 - 120	<0.000020	mg/L	NC	20		
C022862	Total Strontium (Sr)	2025/07/21	NC	80 - 120	104	80 - 120	<0.0010	mg/L	1.8	20		
C022862	Total Thallium (Tl)	2025/07/21	105	80 - 120	108	80 - 120	<0.000010	mg/L	NC	20		
C022862	Total Tin (Sn)	2025/07/21	102	80 - 120	104	80 - 120	<0.0050	mg/L	NC	20		
C022862	Total Titanium (Ti)	2025/07/21	99	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C022862	Total Uranium (U)	2025/07/21	110	80 - 120	111	80 - 120	<0.00010	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C022862	Total Vanadium (V)	2025/07/21	104	80 - 120	102	80 - 120	<0.0050	mg/L	NC	20		
C022862	Total Zinc (Zn)	2025/07/21	88	80 - 120	100	80 - 120	<0.0050	mg/L	3.2	20		
C022862	Total Zirconium (Zr)	2025/07/21	95	80 - 120	104	80 - 120	<0.00010	mg/L	NC	20		
C022894	Total Nitrogen (N)	2025/07/18	NC	80 - 120	110	80 - 120	<0.020	mg/L	4.9	20	102	80 - 120
C023214	Dissolved Mercury (Hg)	2025/07/18	103	80 - 120	104	80 - 120	<0.0000019	mg/L	NC	20		
C023221	Total Mercury (Hg)	2025/07/18	105	80 - 120	104	80 - 120	<0.0000019	mg/L	NC	20		
C023949	Strong Acid Dissoc. Cyanide (CN)	2025/07/20	100	80 - 120	100	80 - 120	<0.00050	mg/L	NC	20		
C023950	Weak Acid Dissoc. Cyanide (CN)	2025/07/20	104	80 - 120	102	80 - 120	<0.00050	mg/L	NC	20		
C023951	Free Free Cyanide	2025/07/20	103	80 - 120	105	80 - 120	<0.00050	mg/L	NC	20		
C030105	Total Organic Carbon (C)	2025/07/25	103	75 - 125	97	80 - 120	<0.20	mg/L	4.7	20		
C030344	Dissolved Organic Carbon (C)	2025/07/25	100	75 - 125	97	80 - 120	<0.20	mg/L	4.3	20		
C043101	Radium 226	2025/08/07			94	85 - 115	<0.0050	Bq/l				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Method blank exceeds acceptance limits, 2x RDL acceptable for low level analysis



BUREAU
VERITAS

Bureau Veritas Job #: C562712

Report Date: 2025/08/08

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Danish Samad, Laboratory Supervisor



Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist



Veronica Falk, B.Sc., P.Chem., QP, Scientific Specialist, Organics

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.

C562712
2025/07/14 15:00



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Edmunton.AB I1J16-76 AvenueNW 168 2T8 lolFree (811) 386 7242

0 Winnipeg, MB • 0-675 Be1ryS1 AJH 1A7Tott Free (866) BOO • 6208

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COC • 00013v6

Page 1 of 1

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11

12

Yes No

Relinquished by: (Signature/ Print)

Gonno, Grant

2025

Received by:(signature / Print)

**Attention: Chris LeGoffe**

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 1/1

Report Date: 2025/08/06

Report #: R3694709

Version: 2 - Final

CERTIFICATE OF ANALYSIS**BUREAU VERITAS JOB #: C564267****Received: 2025/07/21, 11:26**

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Low Level	1	N/A	2025/07/24	AB SOP-00005	SM 24 2320 B m
Low level chloride/sulphate by AC	1	N/A	2025/07/23	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total)	1	N/A	2025/07/26	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable)	1	N/A	2025/07/26	CAL SOP-00270	SM 24 4500-CN m
Carbon (DOC) (1)	1	N/A	2025/08/06	AB SOP-00087	MMCW 119 1996 m
Conductance - Low Level	1	N/A	2025/07/24	AB SOP-00005	SM 24 2510 B m
Fluoride - Low Level	1	N/A	2025/07/24	AB SOP-00005	SM 24 4500-F C m
Free Cyanide	1	N/A	2025/07/26	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (2)	1	N/A	2025/07/26	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3)	1	N/A	2025/07/25	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV (3)	1	2025/07/25	2025/07/25	AB SOP-00084	BCMOE BCLM Oct2013 m
Mercury (Total) by CV	1	2025/07/25	2025/07/25	AB SOP-00084	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	1	N/A	2025/07/25		Auto Calc
Elements by CRC ICPMS (dissolved) (3)	1	N/A	2025/07/24	AB SOP-00043	EPA 6020 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	1	2025/07/22	2025/07/26		Auto Calc
Elements by CRC ICPMS (total)	1	2025/07/24	2025/07/25	AB SOP-00043	EPA 6020 m
Un-Ionized Ammonia (NH3) as N	1	N/A	2025/07/24		Auto Calc
Ammonia-N Low Level (Preserved)	1	N/A	2025/07/24	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate and Nitrite	1	N/A	2025/07/25		Auto Calc
NO2 (N); NO2 (N) + NO3 (N) in Water (LL)	1	N/A	2025/07/23	AB SOP-00091	SM 24 4500 NO3m
Nitrate (as N) (Low Level)	1	2025/07/22	2025/07/25		Auto Calc
pH @25°C (4)	1	N/A	2025/07/24	AB SOP-00005	SM 24 4500-H+B m
pH (Field)	1	N/A	2025/07/22	Field Test	Field Test
Redox Potential (OnSite-Field)	1	N/A	2025/07/22	Field Test	Field Test
Total Dissolved Solids (Filt. Residue)	1	2025/07/24	2025/07/25	AB SOP-00065	SM 24 2540 C m
Total Dissolved Solids (Calculated)	1	N/A	2025/07/26		Auto Calc
Temperature (Field)	1	N/A	2025/07/22	Field Test	Field Test
Total Kjeldahl Nitrogen (Total)	1	N/A	2025/07/25		Auto Calc
Nitrogen (Total)	1	2025/07/23	2025/07/23	AB SOP-00093	SM 24 4500-N C m
Carbon (Total Organic) (5)	1	N/A	2025/07/25	AB SOP-00087	MMCW 119 1996 m
Total Phosphorus Low Level Total	1	2025/07/28	2025/07/29	AB SOP-00024	SM 24 4500-P A,B,F m



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 1/1

Report Date: 2025/08/06

Report #: R3694709

Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C564267

Received: 2025/07/21, 11:26

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Total Suspended Solids (NFR)	1	2025/07/23	2025/07/23	AB SOP-00061	SM 24 2540 D m
Turbidity	1	N/A	2025/07/23	CAL SOP-00081	SM 24 2130 B m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(2) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(3) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(4) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.

(5) TOC present in the sample should be considered as non-purgeable TOC.



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 1/1

Report Date: 2025/08/06
Report #: R3694709
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C564267

Received: 2025/07/21, 11:26

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

06 Aug 2025 16:55:04

Please direct all questions regarding this Certificate of Analysis to:
Stephanie Rodriguez Camacho, Customer Solutions Representative
Email: Stephanie.Rodriguez@bureauveritas.com
Phone# (403) 291-3077

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BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Calculated Parameters				
Dissolved Hardness (CaCO ₃)	mg/L	32.7	0.50	C025514
Total Hardness (CaCO ₃)	mg/L	38.3	0.50	C025508
Dissolved Nitrate (N)	mg/L	0.026	0.0030	C025644
Nitrate (NO ₃)	mg/L	0.11	0.013	C026242
Nitrite (NO ₂)	mg/L	<0.0033	0.0033	C026242
Calculated Total Dissolved Solids	mg/L	42	10	C026357
Total Total Kjeldahl Nitrogen (Calc)	mg/L	0.26	0.020	C025701
Un-Ionized Ammonia	mg/L	<0.00050	0.00050	C025638
Field Parameters				
Field pH	pH	6.88	N/A	ONSITE
Field Redox Potential	mV	165.1	N/A	ONSITE
Field Temperature (Fd)	deg. C	12.0	N/A	ONSITE
Misc. Inorganics				
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C030904
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C030908
Fluoride (F)	mg/L	0.027	0.010	C029331
Free Free Cyanide	mg/L	<0.00050	0.00050	C030913
Dissolved Organic Carbon (C)	mg/L	3.7	0.20	C040587
pH	pH	6.73	N/A	C029329
Alkalinity (Total as CaCO ₃)	mg/L	6.99	0.50	C029327
Total Organic Carbon (C)	mg/L	4.1	0.20	C030105
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	0.50	C029327
Bicarbonate (HCO ₃)	mg/L	8.52	0.50	C029327
Carbonate (CO ₃)	mg/L	<0.50	0.50	C029327
Hydroxide (OH)	mg/L	<0.50	0.50	C029327
Total Dissolved Solids	mg/L	68	10	C028055
Total Suspended Solids	mg/L	5.4	1.0	C026619
Anions				
Chloride (Cl)	mg/L	9.2	0.50	C027254
Sulphate (SO ₄)	mg/L	16	0.50	C027254
RDL = Reportable Detection Limit N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Nutrients				
Total Phosphorus (P)	mg/L	0.0050	0.0010	C032005
Total Ammonia (N)	mg/L	0.0067	0.0050	C028241
Dissolved Nitrite (N)	mg/L	<0.0010	0.0010	C027345
Dissolved Nitrate plus Nitrite (N)	mg/L	0.026	0.0030	C027345
Total Nitrogen (N)	mg/L	0.28	0.020	C027347
Physical Properties				
Conductivity	uS/cm	87.1	1.0	C029330
Physical Properties				
Turbidity	NTU	3.4	0.10	C027204
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Elements				
Dissolved Mercury (Hg)	mg/L	<0.0000019	0.0000019	C029953
Total Mercury (Hg)	mg/L	<0.0000019	0.0000019	C029975
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	mg/L	0.0085	0.0030	C028800
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	C028800
Dissolved Arsenic (As)	mg/L	0.00042	0.00010	C028800
Dissolved Barium (Ba)	mg/L	0.0109	0.0010	C028800
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	C028800
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	C028800
Dissolved Boron (B)	mg/L	<0.050	0.050	C028800
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	C028800
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	C028800
Dissolved Cobalt (Co)	mg/L	<0.00020	0.00020	C028800
Dissolved Copper (Cu)	mg/L	0.00136	0.00020	C028800
Dissolved Iron (Fe)	mg/L	0.0450	0.0050	C028800
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	C028800
Dissolved Lithium (Li)	mg/L	<0.0020	0.0020	C028800
Dissolved Manganese (Mn)	mg/L	0.0042	0.0010	C028800
Dissolved Molybdenum (Mo)	mg/L	<0.0010	0.0010	C028800
Dissolved Nickel (Ni)	mg/L	0.0021	0.0010	C028800
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	C028800
Dissolved Silicon (Si)	mg/L	0.21	0.10	C028800
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	C028800
Dissolved Strontium (Sr)	mg/L	0.0267	0.0010	C028800
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	C028800
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	C028800
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	C028800
Dissolved Uranium (U)	mg/L	<0.00010	0.00010	C028800
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	C028800
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	C028800
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	C028800
Dissolved Calcium (Ca)	mg/L	7.19	0.050	C026396
Dissolved Magnesium (Mg)	mg/L	3.59	0.050	C026396
Dissolved Potassium (K)	mg/L	0.725	0.050	C026396
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Dissolved Sodium (Na)	mg/L	1.12	0.050	C026396
Dissolved Sulphur (S)	mg/L	5.2	3.0	C026396
Total Metals by ICPMS				
Total Aluminum (Al)	mg/L	0.125	0.0030	C028250
Total Antimony (Sb)	mg/L	<0.00050	0.00050	C028250
Total Arsenic (As)	mg/L	0.00056	0.00010	C028250
Total Barium (Ba)	mg/L	0.0123	0.0010	C028250
Total Beryllium (Be)	mg/L	<0.00010	0.00010	C028250
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	C028250
Total Boron (B)	mg/L	<0.050	0.050	C028250
Total Cadmium (Cd)	mg/L	<0.000010	0.000010	C028250
Total Chromium (Cr)	mg/L	<0.0010	0.0010	C028250
Total Cobalt (Co)	mg/L	0.00021	0.00020	C028250
Total Copper (Cu)	mg/L	0.00229	0.00050	C028250
Total Iron (Fe)	mg/L	0.188	0.010	C028250
Total Lead (Pb)	mg/L	<0.00020	0.00020	C028250
Total Lithium (Li)	mg/L	<0.0020	0.0020	C028250
Total Manganese (Mn)	mg/L	0.0072	0.0010	C028250
Total Molybdenum (Mo)	mg/L	<0.0010	0.0010	C028250
Total Nickel (Ni)	mg/L	0.0025	0.0010	C028250
Total Selenium (Se)	mg/L	<0.00010	0.00010	C028250
Total Silicon (Si)	mg/L	0.39	0.10	C028250
Total Silver (Ag)	mg/L	<0.000020	0.000020	C028250
Total Strontium (Sr)	mg/L	0.0317	0.0010	C028250
Total Thallium (Tl)	mg/L	<0.000010	0.000010	C028250
Total Tin (Sn)	mg/L	<0.0050	0.0050	C028250
Total Titanium (Ti)	mg/L	<0.0050	0.0050	C028250
Total Uranium (U)	mg/L	<0.00010	0.00010	C028250
Total Vanadium (V)	mg/L	<0.0050	0.0050	C028250
Total Zinc (Zn)	mg/L	<0.0050	0.0050	C028250
Total Zirconium (Zr)	mg/L	0.00010	0.00010	C028250
Total Calcium (Ca)	mg/L	7.89	0.050	C026116
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DPL184		
Sampling Date		2025/07/20 14:40		
COC Number		1/1		
	UNITS	BRP-01	RDL	QC Batch
Total Magnesium (Mg)	mg/L	4.52	0.050	C026116
Total Potassium (K)	mg/L	0.768	0.050	C026116
Total Sodium (Na)	mg/L	1.39	0.050	C026116
Total Sulphur (S)	mg/L	5.8	3.0	C026116
RDL = Reportable Detection Limit				



**BUREAU
VERITAS**

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

GENERAL COMMENTS

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

QUALITY ASSURANCE REPORT

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C026619	Total Suspended Solids	2025/07/23	111	80 - 120	95	80 - 120	<1.0	mg/L	2.5	20		
C027204	Turbidity	2025/07/23			99	80 - 120	<0.10	NTU	0.58	20		
C027254	Chloride (Cl)	2025/07/23	105	80 - 120	99	80 - 120	<0.50	mg/L	NC	20		
C027254	Sulphate (SO4)	2025/07/23	107	80 - 120	102	80 - 120	<0.50	mg/L				
C027345	Dissolved Nitrate plus Nitrite (N)	2025/07/23	111	80 - 120	96	80 - 120	<0.0030	mg/L	8.9	20		
C027345	Dissolved Nitrite (N)	2025/07/23	110	80 - 120	110	80 - 120	<0.0010	mg/L	NC	20		
C027347	Total Nitrogen (N)	2025/07/23	104	80 - 120	102	80 - 120	<0.020	mg/L	3.0	20	103	80 - 120
C028055	Total Dissolved Solids	2025/07/25	NC	80 - 120	100	80 - 120	<10	mg/L	2.1	20		
C028241	Total Ammonia (N)	2025/07/24	110	80 - 120	108	80 - 120	<0.0050	mg/L	2.1	20		
C028250	Total Aluminum (Al)	2025/07/25	104	80 - 120	118	80 - 120	<0.0030	mg/L	162 (1)	20		
C028250	Total Antimony (Sb)	2025/07/25	109	80 - 120	108	80 - 120	<0.00050	mg/L	NC	20		
C028250	Total Arsenic (As)	2025/07/25	96	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
C028250	Total Barium (Ba)	2025/07/25	103	80 - 120	103	80 - 120	<0.0010	mg/L				
C028250	Total Beryllium (Be)	2025/07/25	96	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
C028250	Total Bismuth (Bi)	2025/07/25	106	80 - 120	106	80 - 120	<0.0010	mg/L	NC	20		
C028250	Total Boron (B)	2025/07/25	100	80 - 120	99	80 - 120	<0.050	mg/L				
C028250	Total Cadmium (Cd)	2025/07/25	98	80 - 120	99	80 - 120	<0.000010	mg/L	NC	20		
C028250	Total Chromium (Cr)	2025/07/25	98	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
C028250	Total Cobalt (Co)	2025/07/25	96	80 - 120	94	80 - 120	<0.00020	mg/L	NC	20		
C028250	Total Copper (Cu)	2025/07/25	93	80 - 120	93	80 - 120	<0.00050	mg/L	NC	20		
C028250	Total Iron (Fe)	2025/07/25	96	80 - 120	93	80 - 120	<0.010	mg/L				
C028250	Total Lead (Pb)	2025/07/25	101	80 - 120	102	80 - 120	<0.00020	mg/L	NC	20		
C028250	Total Lithium (Li)	2025/07/25	95	80 - 120	95	80 - 120	<0.0020	mg/L				
C028250	Total Manganese (Mn)	2025/07/25	102	80 - 120	101	80 - 120	<0.0010	mg/L				
C028250	Total Molybdenum (Mo)	2025/07/25	99	80 - 120	104	80 - 120	<0.0010	mg/L	NC	20		
C028250	Total Nickel (Ni)	2025/07/25	94	80 - 120	94	80 - 120	<0.0010	mg/L	NC	20		
C028250	Total Selenium (Se)	2025/07/25	97	80 - 120	98	80 - 120	<0.00010	mg/L	NC	20		
C028250	Total Silicon (Si)	2025/07/25	111	80 - 120	108	80 - 120	<0.10	mg/L				
C028250	Total Silver (Ag)	2025/07/25	96	80 - 120	97	80 - 120	<0.000020	mg/L	NC	20		
C028250	Total Strontium (Sr)	2025/07/25	101	80 - 120	104	80 - 120	<0.0010	mg/L				
C028250	Total Thallium (Tl)	2025/07/25	109	80 - 120	109	80 - 120	<0.000010	mg/L	NC	20		

BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
 Client Project #: B2GOLD NUNAVUT
 Site Location: BACK RIVER MINE
 Your P.O. #: 470000200
 Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C028250	Total Tin (Sn)	2025/07/25	101	80 - 120	100	80 - 120	<0.0050	mg/L	NC	20		
C028250	Total Titanium (Ti)	2025/07/25	102	80 - 120	95	80 - 120	<0.0050	mg/L	NC	20		
C028250	Total Uranium (U)	2025/07/25	107	80 - 120	107	80 - 120	<0.00010	mg/L	NC	20		
C028250	Total Vanadium (V)	2025/07/25	100	80 - 120	98	80 - 120	<0.0050	mg/L	NC	20		
C028250	Total Zinc (Zn)	2025/07/25	96	80 - 120	96	80 - 120	<0.0050	mg/L	NC	20		
C028250	Total Zirconium (Zr)	2025/07/25	111	80 - 120	107	80 - 120	<0.00010	mg/L	NC	20		
C028800	Dissolved Aluminum (Al)	2025/07/24	105	80 - 120	104	80 - 120	<0.0030	mg/L	1.0	20		
C028800	Dissolved Antimony (Sb)	2025/07/24	98	80 - 120	103	80 - 120	<0.00050	mg/L	NC	20		
C028800	Dissolved Arsenic (As)	2025/07/24	101	80 - 120	101	80 - 120	<0.00010	mg/L	0.44	20		
C028800	Dissolved Barium (Ba)	2025/07/24	103	80 - 120	105	80 - 120	<0.0010	mg/L	0.069	20		
C028800	Dissolved Beryllium (Be)	2025/07/24	120	80 - 120	110	80 - 120	<0.00010	mg/L	NC	20		
C028800	Dissolved Bismuth (Bi)	2025/07/24	99	80 - 120	106	80 - 120	<0.0010	mg/L	NC	20		
C028800	Dissolved Boron (B)	2025/07/24	110	80 - 120	98	80 - 120	<0.050	mg/L	NC	20		
C028800	Dissolved Cadmium (Cd)	2025/07/24	100	80 - 120	104	80 - 120	<0.000010	mg/L	NC	20		
C028800	Dissolved Chromium (Cr)	2025/07/24	101	80 - 120	102	80 - 120	<0.0010	mg/L	NC	20		
C028800	Dissolved Cobalt (Co)	2025/07/24	97	80 - 120	104	80 - 120	<0.00020	mg/L	1.0	20		
C028800	Dissolved Copper (Cu)	2025/07/24	96	80 - 120	104	80 - 120	<0.00020	mg/L	0.69	20		
C028800	Dissolved Iron (Fe)	2025/07/24	102	80 - 120	104	80 - 120	<0.0050	mg/L	0.069	20		
C028800	Dissolved Lead (Pb)	2025/07/24	93	80 - 120	102	80 - 120	<0.00020	mg/L	NC	20		
C028800	Dissolved Lithium (Li)	2025/07/24	108	80 - 120	98	80 - 120	<0.0020	mg/L	2.4	20		
C028800	Dissolved Manganese (Mn)	2025/07/24	NC	80 - 120	100	80 - 120	<0.0010	mg/L	1.1	20		
C028800	Dissolved Molybdenum (Mo)	2025/07/24	114	80 - 120	109	80 - 120	<0.0010	mg/L	NC	20		
C028800	Dissolved Nickel (Ni)	2025/07/24	95	80 - 120	100	80 - 120	<0.0010	mg/L	1.5	20		
C028800	Dissolved Selenium (Se)	2025/07/24	110	80 - 120	99	80 - 120	<0.00010	mg/L	2.3	20		
C028800	Dissolved Silicon (Si)	2025/07/24	96	80 - 120	101	80 - 120	<0.10	mg/L	0.67	20		
C028800	Dissolved Silver (Ag)	2025/07/24	106	80 - 120	102	80 - 120	<0.000020	mg/L	NC	20		
C028800	Dissolved Strontium (Sr)	2025/07/24	NC	80 - 120	99	80 - 120	<0.0010	mg/L	1.1	20		
C028800	Dissolved Thallium (Tl)	2025/07/24	101	80 - 120	105	80 - 120	<0.000010	mg/L	8.6	20		
C028800	Dissolved Tin (Sn)	2025/07/24	101	80 - 120	104	80 - 120	<0.0050	mg/L	NC	20		
C028800	Dissolved Titanium (Ti)	2025/07/24	99	80 - 120	105	80 - 120	<0.0050	mg/L	NC	20		
C028800	Dissolved Uranium (U)	2025/07/24	95	80 - 120	104	80 - 120	<0.00010	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C028800	Dissolved Vanadium (V)	2025/07/24	103	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C028800	Dissolved Zinc (Zn)	2025/07/24	93	80 - 120	99	80 - 120	<0.0050	mg/L	0.16	20		
C028800	Dissolved Zirconium (Zr)	2025/07/24	98	80 - 120	102	80 - 120	<0.00010	mg/L	0.58	20		
C029327	Alkalinity (PP as CaCO3)	2025/07/24					<0.50	mg/L	NC	20		
C029327	Alkalinity (Total as CaCO3)	2025/07/24			98	80 - 120	0.51, RDL=0.50 (2)	mg/L	2.4	20		
C029327	Bicarbonate (HCO3)	2025/07/24					0.63, RDL=0.50	mg/L	2.4	20		
C029327	Carbonate (CO3)	2025/07/24					<0.50	mg/L	NC	20		
C029327	Hydroxide (OH)	2025/07/24					<0.50	mg/L	NC	20		
C029329	pH	2025/07/24			100	97 - 103			1.8	N/A		
C029330	Conductivity	2025/07/24			101	90 - 110	<1.0	uS/cm	0.32	20		
C029331	Fluoride (F)	2025/07/24	89	80 - 120	90	80 - 120	0.013, RDL=0.010 (2)	mg/L	NC	20		
C029953	Dissolved Mercury (Hg)	2025/07/25	99	80 - 120	101	80 - 120	<0.0000019	mg/L	NC	20		
C029975	Total Mercury (Hg)	2025/07/25	101	80 - 120	99	80 - 120	<0.0000019	mg/L	NC	20		
C030105	Total Organic Carbon (C)	2025/07/25	103	75 - 125	97	80 - 120	<0.20	mg/L	4.7	20		
C030904	Strong Acid Dissoc. Cyanide (CN)	2025/07/26	99	80 - 120	96	80 - 120	<0.00050	mg/L	NC	20		
C030908	Weak Acid Dissoc. Cyanide (CN)	2025/07/26	102	80 - 120	100	80 - 120	<0.00050	mg/L	NC	20		
C030913	Free Free Cyanide	2025/07/26	92	80 - 120	99	80 - 120	<0.00050	mg/L	NC	20		
C032005	Total Phosphorus (P)	2025/07/29	89	80 - 120	90	80 - 120	<0.0010	mg/L	NC	20	82	80 - 120



BUREAU
VERITAS

Bureau Veritas Job #: C564267

Report Date: 2025/08/06

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C040587	Dissolved Organic Carbon (C)	2025/08/06	100	75 - 125	102	80 - 120	<0.20	mg/L	0.13	20		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Method blank exceeds acceptance limits, $2 \times$ RDL acceptable for low level analysis



BUREAU
VERITAS

Bureau Veritas Job #: C564267
Report Date: 2025/08/06

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas Certified by Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.



Your P.O. #: 470000200
 Your Project #: B2GOLD NUNAVUT
 Site Location: Goose Lake, Back River Mine
 Your C.O.C. #: 10F1

Attention: Chris LeGoffe

B2Gold Back River Corp.
 Park Place
 Suite 3400-666 Burrard St.
 VANCOUVER, BC
 CANADA V6C 2X8

Report Date: 2025/09/08

Report #: R3707221

Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C567947

Received: 2025/08/05, 09:50

Sample Matrix: Water
 # Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Low Level (1)	1	N/A	2025/08/09	AB SOP-00005	SM 24 2320 B m
Low level chloride/sulphate by AC (1)	1	N/A	2025/08/12	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total) (1)	1	N/A	2025/08/11	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (1)	1	N/A	2025/08/11	CAL SOP-00270	SM 24 4500-CN m
Carbon (DOC) (1, 3)	1	N/A	2025/08/21	AB SOP-00087	MMCW 119 1996 m
Conductance - Low Level (1)	1	N/A	2025/08/09	AB SOP-00005	SM 24 2510 B m
Fluoride - Low Level (1)	1	N/A	2025/08/09	AB SOP-00005	SM 24 4500-F C m
Free Cyanide (1)	1	N/A	2025/08/12	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (1, 4)	1	N/A	2025/08/12	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (1)	1	N/A	2025/08/08	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV (1, 5)	1	2025/08/11	2025/08/11	AB SOP-00084	BCMOE BCLM Oct2013 m
Mercury (Total) by CV (1)	1	2025/08/11	2025/08/11	AB SOP-00084	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (1)	1	N/A	2025/08/08		Auto Calc
Elements by CRC ICPMS (dissolved) (1, 5)	1	N/A	2025/08/08	AB SOP-00043	EPA 6020 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	1	2025/08/06	2025/08/12		Auto Calc
Elements by CRC ICPMS (total) (1)	1	2025/08/11	2025/08/11	AB SOP-00043	EPA 6020 m
Un-Ionized Ammonia (NH3) as N (1)	1	N/A	2025/08/13		Auto Calc
Ammonia-N Low Level (Preserved) (1)	1	N/A	2025/08/13	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate and Nitrite (1)	1	N/A	2025/08/08		Auto Calc
NO2 (N); NO2 (N) + NO3 (N) in Water (LL) (1)	1	N/A	2025/08/07	AB SOP-00091	SM 24 4500 NO3m
Nitrate (as N) (Low Level) (1)	1	2025/08/06	2025/08/08		Auto Calc
pH @25°C (1, 6)	1	N/A	2025/08/09	AB SOP-00005	SM 24 4500-H+B m
pH (Field) (1)	1	N/A	2025/08/06	Field Test	Field Test
Redox Potential (OnSite-Field) (1)	1	N/A	2025/08/06	Field Test	Field Test
Total Dissolved Solids (Filt. Residue) (1)	1	2025/08/07	2025/08/08	AB SOP-00065	SM 24 2540 C m
Total Dissolved Solids (Calculated) (1)	1	N/A	2025/08/13		Auto Calc
Temperature (Field) (1)	1	N/A	2025/08/06	Field Test	Field Test
Total Kjeldahl Nitrogen (Total) (1)	1	N/A	2025/08/08		Auto Calc
Nitrogen (Total) (1)	1	2025/08/08	2025/08/08	AB SOP-00093	SM 24 4500-N C m
Carbon (Total Organic) (1, 7)	1	N/A	2025/08/21	AB SOP-00087	MMCW 119 1996 m
Total Phosphorus Low Level Total (1)	1	2025/08/08	2025/08/11	AB SOP-00024	SM 24 4500-P A,B,F m



Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your C.O.C. #: 10F1

Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Report Date: 2025/09/08

Report #: R3707221

Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C567947

Received: 2025/08/05, 09:50

Sample Matrix: Water
Samples Received: 1

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Total Suspended Solids (NFR) (1)	1	2025/08/07	2025/08/08	AB SOP-00061	SM 24 2540 D m
Turbidity (1)	1	N/A	2025/08/07	CAL SOP-00081	SM 24 2130 B m
Radium-226 Low Level (2, 8)	1	N/A	2025/09/05	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8

(2) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Rd., Unit 4, Mississauga, Ontario, L5N 5L9

(3) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(4) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(5) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(6) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are



Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your C.O.C. #: 10F1

Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Report Date: 2025/09/08
Report #: R3707221
Version: 4 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C567947

Received: 2025/08/05, 09:50

reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.

(7) TOC present in the sample should be considered as non-purgeable TOC.

(8) Radium-226 results have not been corrected for blanks.

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

08 Sep 2025 16:48:24

Please direct all questions regarding this Certificate of Analysis to:
Stephanie Rodriguez Camacho, Customer Solutions Representative
Email: Stephanie.Rodriguez@bureauveritas.com
Phone# (780) 577-7100

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C567947
Report Date: 2025/09/08

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: CL

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DQI336		
Sampling Date		2025/08/03 14:00		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Calculated Parameters				
Dissolved Hardness (CaCO ₃)	mg/L	33.1	0.50	C040171
Total Hardness (CaCO ₃)	mg/L	35.7	0.50	C041111
Dissolved Nitrate (N)	mg/L	0.010	0.0030	C040300
Nitrate (NO ₃)	mg/L	0.045	0.013	C041026
Nitrite (NO ₂)	mg/L	<0.0033	0.0033	C041026
Calculated Total Dissolved Solids	mg/L	43	10	C040774
Total Total Kjeldahl Nitrogen (Calc)	mg/L	0.26	0.020	C040775
Un-Ionized Ammonia	mg/L	<0.00050	0.00050	C040198
Field Parameters				
Field pH	pH	6.53	N/A	ONSITE
Field Redox Potential	mV	246.6	N/A	ONSITE
Field Temperature (Fd)	deg. C	18.7	N/A	ONSITE
Misc. Inorganics				
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C044366
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	C044384
Fluoride (F)	mg/L	0.028	0.010	C043694
Free Free Cyanide	mg/L	<0.00050	0.00050	C044898
Dissolved Organic Carbon (C)	mg/L	3.9	0.20	C057513
pH	pH	6.40	N/A	C043693
Alkalinity (Total as CaCO ₃)	mg/L	6.64	0.50	C043692
Total Organic Carbon (C)	mg/L	4.3	0.20	C057544
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	0.50	C043692
Bicarbonate (HCO ₃)	mg/L	8.10	0.50	C043692
Carbonate (CO ₃)	mg/L	<0.50	0.50	C043692
Hydroxide (OH)	mg/L	<0.50	0.50	C043692
Total Dissolved Solids	mg/L	64	10	C041199
Total Suspended Solids	mg/L	<1.0	1.0	C041250
Anions				
Chloride (Cl)	mg/L	8.8	0.50	C046090
Sulphate (SO ₄)	mg/L	18	0.50	C046090
RDL = Reportable Detection Limit N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C567947

Report Date: 2025/09/08

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: CL

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DQI336		
Sampling Date		2025/08/03 14:00		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Nutrients				
Total Phosphorus (P)	mg/L	0.0037	0.0010	C042941
Total Ammonia (N)	mg/L	<0.0050	0.0050	C046662
Dissolved Nitrite (N)	mg/L	<0.0010	0.0010	C041957
Dissolved Nitrate plus Nitrite (N)	mg/L	0.010	0.0030	C041957
Total Nitrogen (N)	mg/L	0.27	0.020	C042559
Physical Properties				
Conductivity	uS/cm	85.7	1.0	C043691
RADIONUCLIDE				
Radium 226	Bq/l	<0.0050	0.0050	C077468
Physical Properties				
Turbidity	NTU	0.11	0.10	C041548
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C567947

Report Date: 2025/09/08

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: CL

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DQI336		
Sampling Date		2025/08/03 14:00		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Elements				
Dissolved Mercury (Hg)	mg/L	<0.0000019	0.0000019	C044524
Total Mercury (Hg)	mg/L	<0.0000019	0.0000019	C044514
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C567947
Report Date: 2025/09/08

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: CL

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DQI336		
Sampling Date		2025/08/03 14:00		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	mg/L	0.0112	0.0030	C041770
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	C041770
Dissolved Arsenic (As)	mg/L	0.00050	0.00010	C041770
Dissolved Barium (Ba)	mg/L	0.0131	0.0010	C041770
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	C041770
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	C041770
Dissolved Boron (B)	mg/L	<0.050	0.050	C041770
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	C041770
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	C041770
Dissolved Cobalt (Co)	mg/L	0.00026	0.00020	C041770
Dissolved Copper (Cu)	mg/L	0.00129	0.00020	C041770
Dissolved Iron (Fe)	mg/L	0.0249	0.0050	C041770
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	C041770
Dissolved Lithium (Li)	mg/L	<0.0020	0.0020	C041770
Dissolved Manganese (Mn)	mg/L	0.0019	0.0010	C041770
Dissolved Molybdenum (Mo)	mg/L	<0.0010	0.0010	C041770
Dissolved Nickel (Ni)	mg/L	0.0022	0.0010	C041770
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	C041770
Dissolved Silicon (Si)	mg/L	0.16	0.10	C041770
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	C041770
Dissolved Strontium (Sr)	mg/L	0.0295	0.0010	C041770
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	C041770
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	C041770
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	C041770
Dissolved Uranium (U)	mg/L	<0.00010	0.00010	C041770
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	C041770
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	C041770
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	C041770
Dissolved Calcium (Ca)	mg/L	7.08	0.050	C040295
Dissolved Magnesium (Mg)	mg/L	3.75	0.050	C040295
Dissolved Potassium (K)	mg/L	0.745	0.050	C040295
RDL = Reportable Detection Limit				



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DQI336		
Sampling Date		2025/08/03 14:00		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Dissolved Sodium (Na)	mg/L	1.11	0.050	C040295
Dissolved Sulphur (S)	mg/L	4.8	3.0	C040295
Total Metals by ICPMS				
Total Aluminum (Al)	mg/L	0.0175	0.0030	C044322
Total Antimony (Sb)	mg/L	<0.00050	0.00050	C044322
Total Arsenic (As)	mg/L	0.00063	0.00010	C044322
Total Barium (Ba)	mg/L	0.0130	0.0010	C044322
Total Beryllium (Be)	mg/L	<0.00010	0.00010	C044322
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	C044322
Total Boron (B)	mg/L	<0.050	0.050	C044322
Total Cadmium (Cd)	mg/L	<0.000010	0.000010	C044322
Total Chromium (Cr)	mg/L	<0.0010	0.0010	C044322
Total Cobalt (Co)	mg/L	0.00031	0.00020	C044322
Total Copper (Cu)	mg/L	0.00171	0.00050	C044322
Total Iron (Fe)	mg/L	0.047	0.010	C044322
Total Lead (Pb)	mg/L	<0.00020	0.00020	C044322
Total Lithium (Li)	mg/L	<0.0020	0.0020	C044322
Total Manganese (Mn)	mg/L	0.0025	0.0010	C044322
Total Molybdenum (Mo)	mg/L	<0.0010	0.0010	C044322
Total Nickel (Ni)	mg/L	0.0024	0.0010	C044322
Total Selenium (Se)	mg/L	<0.00010	0.00010	C044322
Total Silicon (Si)	mg/L	0.20	0.10	C044322
Total Silver (Ag)	mg/L	<0.000020	0.000020	C044322
Total Strontium (Sr)	mg/L	0.0298	0.0010	C044322
Total Thallium (Tl)	mg/L	<0.000010	0.000010	C044322
Total Tin (Sn)	mg/L	<0.0050	0.0050	C044322
Total Titanium (Ti)	mg/L	<0.0050	0.0050	C044322
Total Uranium (U)	mg/L	<0.00010	0.00010	C044322
Total Vanadium (V)	mg/L	<0.0050	0.0050	C044322
Total Zinc (Zn)	mg/L	<0.0050	0.0050	C044322
Total Zirconium (Zr)	mg/L	<0.00010	0.00010	C044322
Total Calcium (Ca)	mg/L	7.60	0.050	C041076
RDL = Reportable Detection Limit				



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DQI336		
Sampling Date		2025/08/03 14:00		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Total Magnesium (Mg)	mg/L	4.05	0.050	C041076
Total Potassium (K)	mg/L	0.837	0.050	C041076
Total Sodium (Na)	mg/L	1.25	0.050	C041076
Total Sulphur (S)	mg/L	5.5	3.0	C041076
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C567947
Report Date: 2025/09/08

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: CL

GENERAL COMMENTS

Sample DQI336 [BRP-01] : Sample was analyzed past method specified hold time for Turbidity. Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for NO₂ (N); NO₂ (N) + NO₃ (N) in Water (LL).

Results relate only to the items tested.

BUREAU
VERITAS

Bureau Veritas Job #: C567947

Report Date: 2025/09/08

QUALITY ASSURANCE REPORT

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: CL

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C041199	Total Dissolved Solids	2025/08/08	NC	80 - 120	98	80 - 120	<10	mg/L	1.3	20		
C041250	Total Suspended Solids	2025/08/08	90	80 - 120	93	80 - 120	<1.0	mg/L	NC	20		
C041548	Turbidity	2025/08/07			99	80 - 120	<0.10	NTU	2.6	20		
C041770	Dissolved Aluminum (Al)	2025/08/08	99	80 - 120	99	80 - 120	<0.0030	mg/L	0	20		
C041770	Dissolved Antimony (Sb)	2025/08/08	94	80 - 120	102	80 - 120	<0.00050	mg/L	NC	20		
C041770	Dissolved Arsenic (As)	2025/08/08	97	80 - 120	98	80 - 120	<0.00010	mg/L	1.6	20		
C041770	Dissolved Barium (Ba)	2025/08/08	97	80 - 120	101	80 - 120	<0.0010	mg/L	6.0	20		
C041770	Dissolved Beryllium (Be)	2025/08/08	101	80 - 120	107	80 - 120	<0.00010	mg/L	NC	20		
C041770	Dissolved Bismuth (Bi)	2025/08/08	94	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
C041770	Dissolved Boron (B)	2025/08/08	NC	80 - 120	101	80 - 120	<0.050	mg/L	NC	20		
C041770	Dissolved Cadmium (Cd)	2025/08/08	96	80 - 120	99	80 - 120	<0.000010	mg/L	NC	20		
C041770	Dissolved Chromium (Cr)	2025/08/08	94	80 - 120	94	80 - 120	<0.0010	mg/L	NC	20		
C041770	Dissolved Cobalt (Co)	2025/08/08	92	80 - 120	94	80 - 120	<0.00020	mg/L	NC	20		
C041770	Dissolved Copper (Cu)	2025/08/08	90	80 - 120	94	80 - 120	<0.00020	mg/L	0.92	20		
C041770	Dissolved Iron (Fe)	2025/08/08	97	80 - 120	99	80 - 120	<0.0050	mg/L	0.18	20		
C041770	Dissolved Lead (Pb)	2025/08/08	97	80 - 120	100	80 - 120	<0.00020	mg/L	2.2	20		
C041770	Dissolved Lithium (Li)	2025/08/08	NC	80 - 120	106	80 - 120	<0.0020	mg/L	NC	20		
C041770	Dissolved Manganese (Mn)	2025/08/08	NC	80 - 120	94	80 - 120	<0.0010	mg/L	6.9	20		
C041770	Dissolved Molybdenum (Mo)	2025/08/08	NC	80 - 120	105	80 - 120	<0.0010	mg/L	NC	20		
C041770	Dissolved Nickel (Ni)	2025/08/08	90	80 - 120	94	80 - 120	<0.0010	mg/L	1.7	20		
C041770	Dissolved Selenium (Se)	2025/08/08	92	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
C041770	Dissolved Silicon (Si)	2025/08/08	NC	80 - 120	99	80 - 120	<0.10	mg/L	0.74	20		
C041770	Dissolved Silver (Ag)	2025/08/08	74 (1)	80 - 120	91	80 - 120	<0.000020	mg/L	NC	20		
C041770	Dissolved Strontium (Sr)	2025/08/08	NC	80 - 120	100	80 - 120	<0.0010	mg/L	0.70	20		
C041770	Dissolved Thallium (Tl)	2025/08/08	99	80 - 120	101	80 - 120	<0.000010	mg/L	NC	20		
C041770	Dissolved Tin (Sn)	2025/08/08	103	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C041770	Dissolved Titanium (Ti)	2025/08/08	110	80 - 120	102	80 - 120	<0.0050	mg/L	NC	20		
C041770	Dissolved Uranium (U)	2025/08/08	100	80 - 120	103	80 - 120	<0.00010	mg/L	NC	20		
C041770	Dissolved Vanadium (V)	2025/08/08	96	80 - 120	94	80 - 120	<0.0050	mg/L	NC	20		
C041770	Dissolved Zinc (Zn)	2025/08/08	91	80 - 120	94	80 - 120	<0.0050	mg/L	1.9	20		
C041770	Dissolved Zirconium (Zr)	2025/08/08	99	80 - 120	100	80 - 120	<0.00010	mg/L	NC	20		

BUREAU
VERITAS

Bureau Veritas Job #: C567947

Report Date: 2025/09/08

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: CL

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C041957	Dissolved Nitrate plus Nitrite (N)	2025/08/07	NC	80 - 120	107	80 - 120	<0.0030	mg/L	7.6	20		
C041957	Dissolved Nitrite (N)	2025/08/07	110	80 - 120	110	80 - 120	<0.0010	mg/L	1.6	20		
C042559	Total Nitrogen (N)	2025/08/08	NC	80 - 120	105	80 - 120	<0.020	mg/L	0.51	20	106	80 - 120
C042941	Total Phosphorus (P)	2025/08/11	100	80 - 120	101	80 - 120	<0.0010	mg/L	15	20	88	80 - 120
C043691	Conductivity	2025/08/09			101	90 - 110	<1.0	uS/cm	2.8	20		
C043692	Alkalinity (PP as CaCO ₃)	2025/08/09					<0.50	mg/L	NC	20		
C043692	Alkalinity (Total as CaCO ₃)	2025/08/09			98	80 - 120	<0.50	mg/L	2.5	20		
C043692	Bicarbonate (HCO ₃)	2025/08/09					<0.50	mg/L	2.5	20		
C043692	Carbonate (CO ₃)	2025/08/09					<0.50	mg/L	NC	20		
C043692	Hydroxide (OH)	2025/08/09					<0.50	mg/L	NC	20		
C043693	pH	2025/08/09			101	97 - 103			0.65	N/A		
C043694	Fluoride (F)	2025/08/09	98	80 - 120	104	80 - 120	0.012, RDL=0.010 (2)	mg/L	7.9	20		
C044322	Total Aluminum (Al)	2025/08/11	107	80 - 120	97	80 - 120	<0.0030	mg/L	0.094	20		
C044322	Total Antimony (Sb)	2025/08/11	103	80 - 120	96	80 - 120	<0.00050	mg/L	NC	20		
C044322	Total Arsenic (As)	2025/08/11	103	80 - 120	94	80 - 120	<0.00010	mg/L	1.3	20		
C044322	Total Barium (Ba)	2025/08/11	103	80 - 120	92	80 - 120	<0.0010	mg/L	1.9	20		
C044322	Total Beryllium (Be)	2025/08/11	113	80 - 120	101	80 - 120	<0.00010	mg/L	NC	20		
C044322	Total Bismuth (Bi)	2025/08/11	103	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
C044322	Total Boron (B)	2025/08/11	104	80 - 120	94	80 - 120	<0.050	mg/L	NC	20		
C044322	Total Cadmium (Cd)	2025/08/11	101	80 - 120	96	80 - 120	<0.000010	mg/L	10	20		
C044322	Total Chromium (Cr)	2025/08/11	101	80 - 120	94	80 - 120	<0.0010	mg/L	NC	20		
C044322	Total Cobalt (Co)	2025/08/11	102	80 - 120	96	80 - 120	<0.00020	mg/L	0.42	20		
C044322	Total Copper (Cu)	2025/08/11	101	80 - 120	97	80 - 120	<0.00050	mg/L	0.25	20		
C044322	Total Iron (Fe)	2025/08/11	106	80 - 120	99	80 - 120	<0.010	mg/L	4.7	20		
C044322	Total Lead (Pb)	2025/08/11	103	80 - 120	93	80 - 120	<0.00020	mg/L	8.0	20		
C044322	Total Lithium (Li)	2025/08/11	111	80 - 120	97	80 - 120	<0.0020	mg/L	NC	20		
C044322	Total Manganese (Mn)	2025/08/11	99	80 - 120	92	80 - 120	<0.0010	mg/L	2.7	20		
C044322	Total Molybdenum (Mo)	2025/08/11	107	80 - 120	99	80 - 120	<0.0010	mg/L	NC	20		
C044322	Total Nickel (Ni)	2025/08/11	99	80 - 120	93	80 - 120	<0.0010	mg/L	0.98	20		
C044322	Total Selenium (Se)	2025/08/11	102	80 - 120	95	80 - 120	<0.00010	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C567947

Report Date: 2025/09/08

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: CL

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C044322	Total Silicon (Si)	2025/08/11	98	80 - 120	93	80 - 120	<0.10	mg/L	0.28	20		
C044322	Total Silver (Ag)	2025/08/11	102	80 - 120	93	80 - 120	<0.000020	mg/L	NC	20		
C044322	Total Strontium (Sr)	2025/08/11	99	80 - 120	91	80 - 120	<0.0010	mg/L	0	20		
C044322	Total Thallium (Tl)	2025/08/11	103	80 - 120	95	80 - 120	<0.000010	mg/L	NC	20		
C044322	Total Tin (Sn)	2025/08/11	102	80 - 120	96	80 - 120	<0.0050	mg/L	NC	20		
C044322	Total Titanium (Ti)	2025/08/11	96	80 - 120	93	80 - 120	<0.0050	mg/L	NC	20		
C044322	Total Uranium (U)	2025/08/11	105	80 - 120	97	80 - 120	<0.00010	mg/L	NC	20		
C044322	Total Vanadium (V)	2025/08/11	102	80 - 120	94	80 - 120	<0.0050	mg/L	NC	20		
C044322	Total Zinc (Zn)	2025/08/11	97	80 - 120	91	80 - 120	<0.0050	mg/L	0.15	20		
C044322	Total Zirconium (Zr)	2025/08/11	99	80 - 120	92	80 - 120	<0.00010	mg/L	NC	20		
C044366	Strong Acid Dissoc. Cyanide (CN)	2025/08/11	NC	80 - 120	102	80 - 120	<0.00050	mg/L	4.0	20		
C044384	Weak Acid Dissoc. Cyanide (CN)	2025/08/11	105	80 - 120	105	80 - 120	<0.00050	mg/L	NC	20		
C044514	Total Mercury (Hg)	2025/08/11	103	80 - 120	100	80 - 120	<0.0000019	mg/L	NC	20		
C044524	Dissolved Mercury (Hg)	2025/08/11	88	80 - 120	94	80 - 120	<0.0000019	mg/L	NC	20		
C044898	Free Free Cyanide	2025/08/12	104	80 - 120	104	80 - 120	<0.00050	mg/L	7.3	20		
C046090	Chloride (Cl)	2025/08/12	103	80 - 120	104	80 - 120	<0.50	mg/L	1.4	20		
C046090	Sulphate (SO4)	2025/08/12	98	80 - 120	100	80 - 120	<0.50	mg/L	0.22	20		
C046662	Total Ammonia (N)	2025/08/13	NC	80 - 120	106	80 - 120	<0.0050	mg/L	0.0083	20		
C057513	Dissolved Organic Carbon (C)	2025/08/21	106	75 - 125	102	80 - 120	<0.20	mg/L	0.23	20		
C057544	Total Organic Carbon (C)	2025/08/21	112	75 - 125	101	80 - 120	<0.20	mg/L	1.3	20		



BUREAU
VERITAS

Bureau Veritas Job #: C567947

Report Date: 2025/09/08

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: CL

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C077468	Radium 226	2025/09/05			86	85 - 115	<0.0050	Bq/l				
N/A = Not Applicable Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement. Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference. QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy. Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy. Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination. NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration) NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL). (1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria. (2) Method blank exceeds acceptance limits, $2 \times$ RDL acceptable for low level analysis												



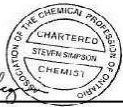
BUREAU
VERITAS

Bureau Veritas Job #: C567947
Report Date: 2025/09/08

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: CL

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Steven Simpson, Lab Director

Sandy Yuan, M.Sc., QP, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas Certified by Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.

2025/08/05 09:50



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B2GN ENM

COC-00013vS

Page 1 of 1

Invoice Information				Invoice to (requires report)				0				Repon Information (If differs from Invoice)				Project Information			
Company:		B2Gold Back River Corp		Company:		B2Gold Back River Corp		Quotation #:											
Contact Name:		Chris LeGoffe		Contact Name:		Chris LeGoffe		P.O.1/AFEI:								4700000200			
Street Address:		Suite 3400 666 Burrard St		Street Address:		Suite 3400666 Burrard St		Project #:								B2Gold Nunavut			
City:		Vancouver		City:		Vancouver		Prov:		BC		Postal Code:		V6C 2B8		Site It:			
Post.11		U6C 2B8		Post.11		U6C 2B8		Code:								Goose Lake			
Phone:		1.604.681.8371		Phone:		867.336.1049										Back River Mine			
Email:		BR.AccountsPayable@b2gold.com		Email:		clegoffe@b2gold.com										Nunavut			
Copies:		clegoffe@b2gold.com		Copies:		br2m000.k00c76n100611-m back-river1116xMDUQ61 file-11 1011 11 11 11 11 11										CL			
								Sampled By:											



EYK-2025-08-00E

SAMPLES MUST BE KEPT COOL (<10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS																														
Sample Identification						Date Sampled	Time (Zulu)		Maint.	General Chemistry (pH, turbidity, conductivity (EC/BPC), alkalinity, chloride, fluoride, phosphate)																				
						Year	MM	DD	HH	MM		TDS & TSS	Cyanide (TKNAD)	Cyanide (Free)	Nutrients (Total N, Total P, TKN)	Nutrients (DOC)	Ammonia, Un-ionized ammonia	Total Mercury	Dissolved Mercury	Total Metals (includes Hardness, and Cations)	Dissolved Metals (includes Hardness and Cations)	Bodium 226	Nutrients (TOC)	Temperature (°C)	V.S.	Zinc	Copper	Silver	Gold	
						2025						Water														18.7	6.5J	246	5	13

LAB USE ONLY	Yes	No	ACTR	°C	1
Seal present					
Seal intact					
Seal not present					

Relinquished by: (Signature/ Print)

8llyExton

	LAB USE ONLY		°C				LAB USE ONLY				
	Yes	No					Yes	No			
3	Seal present			1	2	3	Seal present				
	Seal intact						Seal intact				
	Cooling media present						Cooling media present				

Received by: (signature/ Print)

1

2

	Date			Time	
	YY	MM	DD	HH	MM
0041	2025	08	06	15	00

Temperature reading by:	

**Attention: Chris LeGoffe**

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: Goose Lake, Back River Mine
Your C.O.C. #: 10F1

Report Date: 2025/09/11

Report #: R3708805

Version: 5 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT**BUREAU VERITAS JOB #: C569351****Received: 2025/08/11, 13:45**

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Low Level (1)	5	N/A	2025/08/13	AB SOP-00005	SM 24 2320 B m
BTEX/F1 in Water by HS GC/MS/FID (1)	1	N/A	2025/08/15	AB SOP-00039	CCME CWS/EPA 8260d m
F1-BTEX (1)	1	N/A	2025/08/15		Auto Calc
Low level chloride/sulphate by AC (1)	5	N/A	2025/08/13	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total) (1)	4	N/A	2025/08/15	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (1)	4	N/A	2025/08/15	CAL SOP-00270	SM 24 4500-CN m
Daphnia magna Single Concentration-100%	1	N/A	2025/08/13	EENVSOP-00154	EPS 1 RM14 2nd ed m
Carbon (DOC) (1, 3)	5	N/A	2025/08/25	AB SOP-00087	MMCW 119 1996 m
Conductance - Low Level (1)	5	N/A	2025/08/13	AB SOP-00005	SM 24 2510 B m
Fluoride - Low Level (1)	5	N/A	2025/08/13	AB SOP-00005	SM 24 4500-F C m
Free Cyanide (1)	2	N/A	2025/08/15	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (1, 4)	5	N/A	2025/08/16	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (1)	5	N/A	2025/08/15	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV (1, 5)	4	2025/08/14	2025/08/14	AB SOP-00084	BCMOE BCLM Oct2013 m
Mercury (Total) by CV (1)	4	2025/08/14	2025/08/14	AB SOP-00084	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (1)	5	N/A	2025/08/15		Auto Calc
Elements by CRC ICPMS (dissolved) (1, 5)	5	N/A	2025/08/15	AB SOP-00043	EPA 6020 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	5	2025/08/12	2025/08/16		Auto Calc
Elements by CRC ICPMS (total) (1)	5	2025/08/14	2025/08/16	AB SOP-00043	EPA 6020 m
Un-Ionized Ammonia (NH3) as N (1)	5	N/A	2025/08/15		Auto Calc
Ammonia-N Low Level (Preserved) (1)	5	N/A	2025/08/15	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate and Nitrite (1)	5	N/A	2025/08/13		Auto Calc
NO2 (N); NO2 (N) + NO3 (N) in Water (LL) (1)	5	N/A	2025/08/13	AB SOP-00091	SM 24 4500 NO3m
Nitrate (as N) (Low Level) (1)	5	2025/08/12	2025/08/13		Auto Calc
Oil and Grease (Gravimetric, n-Hexane) (1)	3	2025/08/13	2025/08/13	AB SOP-00092	SM 24 5520B/5520F m
pH @25°C (1, 6)	5	N/A	2025/08/13	AB SOP-00005	SM 24 4500-H+B m
pH (Field) (1)	5	N/A	2025/08/12	Field Test	Field Test
Redox Potential (OnSite-Field) (1)	5	N/A	2025/08/12	Field Test	Field Test
Silica (Reactive) (1)	5	N/A	2025/08/21	AB SOP-00011	EPA 370.1 R1978 m
Total Dissolved Solids (Filt. Residue) (1)	3	2025/08/13	2025/08/14	AB SOP-00065	SM 24 2540 C m
Total Dissolved Solids (Filt. Residue) (1)	2	2025/08/15	2025/08/17	AB SOP-00065	SM 24 2540 C m



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: Goose Lake, Back River Mine
Your C.O.C. #: 10F1

Report Date: 2025/09/11

Report #: R3708805

Version: 5 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C569351

Received: 2025/08/11, 13:45

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Dissolved Solids (Calculated) (1)	5	N/A	2025/08/15		Auto Calc
Temperature (Field) (1)	5	N/A	2025/08/12	Field Test	Field Test
Total Trihalomethanes Calculation (1)	1	N/A	2025/08/14		Auto Calc
Total Kjeldahl Nitrogen (Total) (1)	5	N/A	2025/08/14		Auto Calc
Nitrogen (Total) (1)	5	2025/08/14	2025/08/14	AB SOP-00093	SM 24 4500-N C m
Carbon (Total Organic) (1, 7)	5	N/A	2025/08/25	AB SOP-00087	MMCW 119 1996 m
Total Phosphorus Low Level Total (1)	5	2025/08/14	2025/08/15	AB SOP-00024	SM 24 4500-P A,B,F m
Rainbow Trout Single Concentration-100%	1	N/A	2025/08/14	EENVSOP-00160	EPS 1 RM13 2nd ed m
Total Suspended Solids (NFR) (1)	5	2025/08/13	2025/08/14	AB SOP-00061	SM 24 2540 D m
Turbidity (1)	5	N/A	2025/08/13	CAL SOP-00081	SM 24 2130 B m
VOCs in Water by HS GC/MS (Std List) (1)	1	N/A	2025/08/14	AB SOP-00056	EPA 5021a/8260d m
Radium-226 Low Level (2, 8)	1	N/A	2025/09/05	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: Goose Lake, Back River Mine
Your C.O.C. #: 10F1

Report Date: 2025/09/11

Report #: R3708805

Version: 5 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C569351

Received: 2025/08/11, 13:45

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

- (1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8
- (2) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Rd., Unit 4, Mississauga, Ontario, L5N 5L9
- (3) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (4) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
- (5) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (6) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.
- (7) TOC present in the sample should be considered as non-purgeable TOC.
- (8) Radium-226 results have not been corrected for blanks.

Encryption Key

Stephanie R.

Stephanie Rodriguez Camacho
Customer Solutions Representative
11 Sep 2025 15:47:09

Please direct all questions regarding this Certificate of Analysis to:

Stephanie Rodriguez Camacho, Customer Solutions Representative

Email: Stephanie.Rodriguez@bureauveritas.com

Phone# (780) 577-7100

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Bureau Veritas Job #: C569351
Report Date: 2025/09/11

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: BE

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DQP996			DQP997			DQP998		
Sampling Date		2025/08/10 14:25			2025/08/10 14:20			2025/08/10 14:20		
COC Number		1OF1			1OF1			1OF1		
	UNITS	BRP-01	RDL	QC Batch	BRP-02	RDL	QC Batch	BRP-06	RDL	QC Batch
Calculated Parameters										
Dissolved Hardness (CaCO3)	mg/L	37.9	0.50	C045179	33.1	0.50	C045179	39.8	0.50	C045179
Total Hardness (CaCO3)	mg/L	38.0	0.50	C045835	33.7	0.50	C045835	40.5	0.50	C045835
Dissolved Nitrate (N)	mg/L	0.025	0.0030	C045386	0.0053	0.0030	C045386	0.021	0.0030	C045386
Nitrate (NO3)	mg/L	0.11	0.013	C046147	0.024	0.013	C046147	0.093	0.013	C046147
Nitrite (NO2)	mg/L	<0.0033	0.0033	C046147	<0.0033	0.0033	C046147	<0.0033	0.0033	C046147
Calculated Total Dissolved Solids	mg/L	47	10	C046178	41	10	C046178	50	10	C046178
Total Total Kjeldahl Nitrogen (Calc)	mg/L	0.30	0.020	C045680	0.25	0.020	C045680	0.37	0.020	C045680
Un-Ionized Ammonia	mg/L	<0.00050	0.00050	C045429	<0.00050	0.00050	C045429	<0.00050	0.00050	C045429
Daphnia Magna										
Mortality	%	ATTACHED	N/A	C047392						
Field Parameters										
Field pH	pH	6.8	N/A	ONSITE	7	N/A	ONSITE	7	N/A	ONSITE
Field Redox Potential	mV	80	N/A	ONSITE	71	N/A	ONSITE	81	N/A	ONSITE
Field Temperature (Fd)	deg. C	15	N/A	ONSITE	15	N/A	ONSITE	13	N/A	ONSITE
Misc. Inorganics										
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.00056 (1)	0.00050	C048553	<0.00050 (1)	0.00050	C048553			
Weak Acid Dissoc. Cyanide (CN)	mg/L	0.00058	0.00050	C048563	0.00051	0.00050	C048563			
Fluoride (F)	mg/L	0.025	0.010	C046797	0.025	0.010	C046797	0.031	0.010	C046797
Free Free Cyanide	mg/L	<0.00050	0.00050	C048567						
Dissolved Organic Carbon (C)	mg/L	5.1	0.20	C061306	3.6	0.20	C061306	4.8	0.20	C061306
pH	pH	6.92	N/A	C046762	6.99	N/A	C046762	7.03	N/A	C046762
Reactive Silica	mg/L	0.23	0.050	C058133	0.24	0.050	C058133	0.16	0.050	C058133
Alkalinity (Total as CaCO3)	mg/L	7.13	0.50	C046754	7.13	0.50	C046754	8.28	0.50	C046754
Total Organic Carbon (C)	mg/L	4.9	0.20	C061111	3.6	0.20	C061111	4.6	0.20	C061111
Alkalinity (PP as CaCO3)	mg/L	<0.50	0.50	C046754	<0.50	0.50	C046754	<0.50	0.50	C046754
Bicarbonate (HCO3)	mg/L	8.69	0.50	C046754	8.70	0.50	C046754	10.1	0.50	C046754
Carbonate (CO3)	mg/L	<0.50	0.50	C046754	<0.50	0.50	C046754	<0.50	0.50	C046754
Hydroxide (OH)	mg/L	<0.50	0.50	C046754	<0.50	0.50	C046754	<0.50	0.50	C046754
Total Dissolved Solids	mg/L	80	10	C049679	56	10	C049679	44	10	C046276
RDL = Reportable Detection Limit N/A = Not Applicable (1) SAD Cyanide < WAD Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.										



BUREAU
VERITAS

Bureau Veritas Job #: C569351

Report Date: 2025/09/11

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DQP996			DQP997			DQP998		
Sampling Date		2025/08/10 14:25			2025/08/10 14:20			2025/08/10 14:20		
COC Number		1OF1			1OF1			1OF1		
	UNITS	BRP-01	RDL	QC Batch	BRP-02	RDL	QC Batch	BRP-06	RDL	QC Batch
Total Suspended Solids	mg/L	<1.0	1.0	C046333	<1.0	1.0	C046333	1.6	1.0	C046333
Anions										
Chloride (Cl)	mg/L	14	0.50	C047169	8.3	0.50	C047169	15	0.50	C047169
Sulphate (SO4)	mg/L	15	0.50	C047169	16	0.50	C047169	14	0.50	C047169
Nutrients										
Total Phosphorus (P)	mg/L	0.0032	0.0010	C048586	0.0017	0.0010	C048586	0.0050	0.0010	C048586
Total Ammonia (N)	mg/L	0.0070	0.0050	C049702	0.0080	0.0050	C049702	0.018	0.0050	C049702
Dissolved Nitrite (N)	mg/L	<0.0010	0.0010	C046766	<0.0010	0.0010	C046766	<0.0010	0.0010	C046766
Dissolved Nitrate plus Nitrite (N)	mg/L	0.025	0.0030	C046766	0.0053	0.0030	C046766	0.021	0.0030	C046766
Total Nitrogen (N)	mg/L	0.33	0.020	C048263	0.26	0.020	C048263	0.39	0.020	C048263
Misc. Organics										
Total Oil and grease	mg/L				4.0	2.0	C044086	3.0	2.0	C044086
Physical Properties										
Conductivity	uS/cm	97.2	1.0	C046796	83.9	1.0	C046796	102	1.0	C046796
RADIONUCLIDE										
Radium 226	Bq/l	<0.0050	0.0050	C082171						
Physical Properties										
Turbidity	NTU	1.7	0.10	C046409	0.12	0.10	C046409	3.8	0.10	C046409
Rainbow Trout										
Mortality	%	ATTACHED	N/A	C048238						
RDL = Reportable Detection Limit N/A = Not Applicable										

**RESULTS OF CHEMICAL ANALYSES OF WATER**

Bureau Veritas ID		DQP999			DQQ000		
Sampling Date		2025/08/10 13:50			2025/08/10 00:00		
COC Number		1OF1			1OF1		
	UNITS	BRP-18	RDL	QC Batch	BRP-DUP	RDL	QC Batch
Calculated Parameters							
Dissolved Hardness (CaCO ₃)	mg/L	45.0	0.50	C045179	32.5	0.50	C045179
Total Hardness (CaCO ₃)	mg/L	50.1	0.50	C045835	33.8	0.50	C045835
Dissolved Nitrate (N)	mg/L	2.3	0.20	C045386	0.0045	0.0030	C045386
Nitrate (NO ₃)	mg/L	10	0.89	C046147	0.020	0.013	C046147
Nitrite (NO ₂)	mg/L	0.013	0.0033	C046147	<0.0033	0.0033	C046147
Calculated Total Dissolved Solids	mg/L	74	10	C046178	42	10	C046178
Total Total Kjeldahl Nitrogen (Calc)	mg/L	<0.20	0.20	C045680	0.24	0.020	C045680
Un-Ionized Ammonia	mg/L	<0.00050	0.00050	C045429	<0.00050	0.00050	C045429
Field Parameters							
Field pH	pH	5.8	N/A	ONSITE	7	N/A	ONSITE
Field Redox Potential	mV	101	N/A	ONSITE	71	N/A	ONSITE
Field Temperature (Fd)	deg. C	13	N/A	ONSITE	15	N/A	ONSITE
Misc. Inorganics							
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.00175	0.00050	C048553	<0.00050 (1)	0.00050	C048553
Weak Acid Dissoc. Cyanide (CN)	mg/L	0.00141	0.00050	C048563	0.00052	0.00050	C048563
Fluoride (F)	mg/L	0.022	0.010	C046797	0.022	0.010	C046797
Free Free Cyanide	mg/L	0.00110	0.00050	C048567			
Dissolved Organic Carbon (C)	mg/L	3.2	0.20	C061306	3.8	0.20	C061306
pH	pH	6.29	N/A	C046762	6.99	N/A	C046762
Reactive Silica	mg/L	1.4	0.050	C058133	0.24	0.050	C058133
Alkalinity (Total as CaCO ₃)	mg/L	2.69	0.50	C046754	6.98	0.50	C046754
Total Organic Carbon (C)	mg/L	3.3	0.20	C061111	3.6	0.20	C061111
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	0.50	C046754	<0.50	0.50	C046754
Bicarbonate (HCO ₃)	mg/L	3.28	0.50	C046754	8.52	0.50	C046754
Carbonate (CO ₃)	mg/L	<0.50	0.50	C046754	<0.50	0.50	C046754
Hydroxide (OH)	mg/L	<0.50	0.50	C046754	<0.50	0.50	C046754
Total Dissolved Solids	mg/L	76	10	C046279	48	10	C046279
RDL = Reportable Detection Limit N/A = Not Applicable (1) SAD Cyanide < WAD Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.							



RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DQP999			DQQ000		
Sampling Date		2025/08/10 13:50			2025/08/10 00:00		
COC Number		1OF1			1OF1		
	UNITS	BRP-18	RDL	QC Batch	BRP-DUP	RDL	QC Batch
Total Suspended Solids	mg/L	<1.0	1.0	C046333	<1.0	1.0	C046333
Anions							
Chloride (Cl)	mg/L	11	0.50	C047169	8.7	0.50	C047169
Sulphate (SO4)	mg/L	32	0.50	C047169	16	0.50	C047169
Nutrients							
Total Phosphorus (P)	mg/L	0.0014	0.0010	C048586	<0.0010	0.0010	C048586
Total Ammonia (N)	mg/L	0.18	0.0050	C049702	0.0081	0.0050	C049702
Dissolved Nitrite (N)	mg/L	0.0038	0.0010	C046766	<0.0010	0.0010	C046766
Dissolved Nitrate plus Nitrite (N)	mg/L	2.3	0.20	C046766	0.0045	0.0030	C046766
Total Nitrogen (N)	mg/L	2.4	0.10	C048263	0.24	0.020	C048263
Misc. Organics							
Total Oil and grease	mg/L				4.0	2.0	C044086
Physical Properties							
Conductivity	uS/cm	139	1.0	C046796	84.0	1.0	C046796
Physical Properties							
Turbidity	NTU	<0.10	0.10	C046409	0.11	0.10	C046409
RDL = Reportable Detection Limit							



BUREAU
VERITAS

Bureau Veritas Job #: C569351

Report Date: 2025/09/11

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DQP996	DQP997	DQP999	DQQ000		
Sampling Date		2025/08/10 14:25	2025/08/10 14:20	2025/08/10 13:50	2025/08/10 00:00		
COC Number		1OF1	1OF1	1OF1	1OF1		
	UNITS	BRP-01	BRP-02	BRP-18	BRP-DUP	RDL	QC Batch
Elements							
Dissolved Mercury (Hg)	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	0.0000019	C048815
Total Mercury (Hg)	mg/L	<0.0000019	<0.0000019	<0.0000019	<0.0000019	0.0000019	C048809
RDL = Reportable Detection Limit							



BUREAU
VERITAS

Bureau Veritas Job #: C569351

Report Date: 2025/09/11

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DQP996	DQP997	DQP998	DQP999	DQQ000		
Sampling Date		2025/08/10 14:25	2025/08/10 14:20	2025/08/10 14:20	2025/08/10 13:50	2025/08/10 00:00		
COC Number		1OF1	1OF1	1OF1	1OF1	1OF1		
	UNITS	BRP-01	BRP-02	BRP-06	BRP-18	BRP-DUP	RDL	QC Batch
Dissolved Metals by ICPMS								
Dissolved Aluminum (Al)	mg/L	0.0121	0.0049	0.0126	0.0351	0.0048	0.0030	C048091
Dissolved Antimony (Sb)	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	C048091
Dissolved Arsenic (As)	mg/L	0.00071	0.00044	0.00063	0.00031	0.00041	0.00010	C048091
Dissolved Barium (Ba)	mg/L	0.0128	0.0093	0.0134	0.0214	0.0090	0.0010	C048091
Dissolved Beryllium (Be)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	C048091
Dissolved Bismuth (Bi)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	C048091
Dissolved Boron (B)	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	C048091
Dissolved Cadmium (Cd)	mg/L	<0.000010	<0.000010	<0.000010	0.000041	<0.000010	0.000010	C048091
Dissolved Chromium (Cr)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	C048091
Dissolved Cobalt (Co)	mg/L	<0.00020	<0.00020	<0.00020	0.00122	<0.00020	0.00020	C048091
Dissolved Copper (Cu)	mg/L	0.00150	0.00129	0.00174	0.00262	0.00132	0.00020	C048091
Dissolved Iron (Fe)	mg/L	0.0405	0.0111	0.0481	0.0094	0.0109	0.0050	C048091
Dissolved Lead (Pb)	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00020	C048091
Dissolved Lithium (Li)	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	C048091
Dissolved Manganese (Mn)	mg/L	0.0016	0.0018	0.0040	0.0249	0.0018	0.0010	C048091
Dissolved Molybdenum (Mo)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	C048091
Dissolved Nickel (Ni)	mg/L	0.0023	0.0018	0.0024	0.0090	0.0018	0.0010	C048091
Dissolved Selenium (Se)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	C048091
Dissolved Silicon (Si)	mg/L	<0.10	0.11	<0.10	0.51	0.10	0.10	C048091
Dissolved Silver (Ag)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020 (1)	0.000020	C048091
Dissolved Strontium (Sr)	mg/L	0.0356	0.0288	0.0396	0.0398	0.0286	0.0010	C048091
Dissolved Thallium (Tl)	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.000010	C048091
Dissolved Tin (Sn)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	C048091
Dissolved Titanium (Ti)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	C048091
Dissolved Uranium (U)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	C048091
Dissolved Vanadium (V)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	C048091
Dissolved Zinc (Zn)	mg/L	<0.0050	<0.0050	<0.0050	0.0052	<0.0050	0.0050	C048091
Dissolved Zirconium (Zr)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	C048091
Dissolved Calcium (Ca)	mg/L	8.45	7.05	9.30	9.09	6.95	0.050	C046028
Dissolved Magnesium (Mg)	mg/L	4.08	3.77	4.03	5.42	3.68	0.050	C046028

RDL = Reportable Detection Limit

(1) Matrix Spike exceeds acceptance limits due to matrix interference. Reanalysis yields similar results.



BUREAU
VERITAS

Bureau Veritas Job #: C569351

Report Date: 2025/09/11

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DQP996	DQP997	DQP998	DQP999	DQQ000		
Sampling Date		2025/08/10 14:25	2025/08/10 14:20	2025/08/10 14:20	2025/08/10 13:50	2025/08/10 00:00		
COC Number		1OF1	1OF1	1OF1	1OF1	1OF1		
	UNITS	BRP-01	BRP-02	BRP-06	BRP-18	BRP-DUP	RDL	QC Batch
Dissolved Potassium (K)	mg/L	0.931	0.701	1.01	1.33	0.692	0.050	C046028
Dissolved Sodium (Na)	mg/L	1.21	1.11	1.26	2.58	1.08	0.050	C046028
Dissolved Sulphur (S)	mg/L	4.4	5.0	4.3	9.1	4.8	3.0	C046028
Total Metals by ICPMS								
Total Aluminum (Al)	mg/L	0.0358	0.0110	0.0866	0.0541	0.0110	0.0030	C049357
Total Antimony (Sb)	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00050	C049357
Total Arsenic (As)	mg/L	0.00084	0.00046	0.00090	0.00035	0.00045	0.00010	C049357
Total Barium (Ba)	mg/L	0.0134	0.0099	0.0148	0.0261	0.0100	0.0010	C049357
Total Beryllium (Be)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	C049357
Total Bismuth (Bi)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	C049357
Total Boron (B)	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	C049357
Total Cadmium (Cd)	mg/L	<0.000010	<0.000010	<0.000010	0.000055	<0.000010	0.000010	C049357
Total Chromium (Cr)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	C049357
Total Cobalt (Co)	mg/L	0.00023	<0.00020	0.00032	0.00180	<0.00020	0.00020	C049357
Total Copper (Cu)	mg/L	0.00184	0.00149	0.00238	0.00318	0.00143	0.00050	C049357
Total Iron (Fe)	mg/L	0.105	0.030	0.230	0.033	0.030	0.010	C049357
Total Lead (Pb)	mg/L	<0.00020	<0.00020	0.00027	<0.00020	<0.00020	0.00020	C049357
Total Lithium (Li)	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	C049357
Total Manganese (Mn)	mg/L	0.0023	0.0032	0.0057	0.0370	0.0035	0.0010	C049357
Total Molybdenum (Mo)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	C049357
Total Nickel (Ni)	mg/L	0.0026	0.0020	0.0029	0.0116	0.0020	0.0010	C049357
Total Selenium (Se)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	C049357
Total Silicon (Si)	mg/L	0.16	0.15	0.21	0.64	0.14	0.10	C049357
Total Silver (Ag)	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	0.000020	C049357
Total Strontium (Sr)	mg/L	0.0364	0.0304	0.0404	0.0466	0.0292	0.0010	C049357
Total Thallium (Tl)	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.000010	C049357
Total Tin (Sn)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	C049357
Total Titanium (Ti)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	C049357
Total Uranium (U)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	C049357
Total Vanadium (V)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	C049357
Total Zinc (Zn)	mg/L	<0.0050	<0.0050	<0.0050	0.0053	<0.0050	0.0050	C049357
Total Zirconium (Zr)	mg/L	<0.00010	<0.00010	0.00013	<0.00010	<0.00010	0.00010	C049357
RDL = Reportable Detection Limit								



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DQP996	DQP997	DQP998	DQP999	DQQ000		
Sampling Date		2025/08/10 14:25	2025/08/10 14:20	2025/08/10 14:20	2025/08/10 13:50	2025/08/10 00:00		
COC Number		1OF1	1OF1	1OF1	1OF1	1OF1		
	UNITS	BRP-01	BRP-02	BRP-06	BRP-18	BRP-DUP	RDL	QC Batch
Total Calcium (Ca)	mg/L	8.36	7.10	9.37	9.89	7.17	0.050	C045895
Total Magnesium (Mg)	mg/L	4.16	3.88	4.14	6.16	3.86	0.050	C045895
Total Potassium (K)	mg/L	0.947	0.721	1.03	1.54	0.726	0.050	C045895
Total Sodium (Na)	mg/L	1.21	1.11	1.26	2.91	1.10	0.050	C045895
Total Sulphur (S)	mg/L	4.8	5.2	4.6	10.7	5.3	3.0	C045895
RDL = Reportable Detection Limit								



BUREAU
VERITAS

Bureau Veritas Job #: C569351
Report Date: 2025/09/11

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: BE

VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		DQP997		
Sampling Date		2025/08/10 14:20		
COC Number		1OF1		
	UNITS	BRP-02	RDL	QC Batch
Volatiles				
Total Trihalomethanes	mg/L	<0.0013	0.0013	C045369
Benzene	mg/L	<0.00040	0.00040	C046827
Bromodichloromethane	mg/L	<0.00050	0.00050	C046842
Toluene	mg/L	<0.00040	0.00040	C046827
Bromoform	mg/L	<0.00050	0.00050	C046842
Ethylbenzene	mg/L	<0.00040	0.00040	C046827
Bromomethane	mg/L	<0.0020	0.0020	C046842
m & p-Xylene	mg/L	<0.00080	0.00080	C046827
Carbon tetrachloride	mg/L	<0.00050	0.00050	C046842
o-Xylene	mg/L	<0.00040	0.00040	C046827
Chlorobenzene	mg/L	<0.00050	0.00050	C046842
Dibromochloromethane	mg/L	<0.0010	0.0010	C046842
Xylenes (Total)	mg/L	<0.00089	0.00089	C045999
Chloroethane	mg/L	<0.0010	0.0010	C046842
F1 (C6-C10) - BTEX	mg/L	<0.10	0.10	C045999
Chloroform	mg/L	<0.00050	0.00050	C046842
Chloromethane	mg/L	<0.0020	0.0020	C046842
F1 (C6-C10)	mg/L	<0.10	0.10	C046827
1,2-dibromoethane	mg/L	<0.00020	0.00020	C046842
1,2-dichlorobenzene	mg/L	<0.00050	0.00050	C046842
1,3-dichlorobenzene	mg/L	<0.00050	0.00050	C046842
1,4-dichlorobenzene	mg/L	<0.00050	0.00050	C046842
1,1-dichloroethane	mg/L	<0.00050	0.00050	C046842
1,2-dichloroethane	mg/L	<0.00050	0.00050	C046842
1,1-dichloroethene	mg/L	<0.00050	0.00050	C046842
cis-1,2-dichloroethene	mg/L	<0.00050	0.00050	C046842
trans-1,2-dichloroethene	mg/L	<0.00050	0.00050	C046842
Dichloromethane	mg/L	<0.0020	0.0020	C046842
1,2-dichloropropane	mg/L	<0.00050	0.00050	C046842
cis-1,3-dichloropropene	mg/L	<0.00050	0.00050	C046842
trans-1,3-dichloropropene	mg/L	<0.00050	0.00050	C046842
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C569351

Report Date: 2025/09/11

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		DQP997		
Sampling Date		2025/08/10 14:20		
COC Number		1OF1		
	UNITS	BRP-02	RDL	QC Batch
Methyl methacrylate	mg/L	<0.00050	0.00050	C046842
Methyl-tert-butylether (MTBE)	mg/L	<0.00050	0.00050	C046842
Styrene	mg/L	<0.00050	0.00050	C046842
1,1,1,2-tetrachloroethane	mg/L	<0.0010	0.0010	C046842
1,1,2,2-tetrachloroethane	mg/L	<0.0020	0.0020	C046842
Tetrachloroethene	mg/L	<0.00050	0.00050	C046842
1,2,3-trichlorobenzene	mg/L	<0.0010	0.0010	C046842
1,2,4-trichlorobenzene	mg/L	<0.0010	0.0010	C046842
1,3,5-trichlorobenzene	mg/L	<0.00050	0.00050	C046842
1,1,1-trichloroethane	mg/L	<0.00050	0.00050	C046842
1,1,2-trichloroethane	mg/L	<0.00050	0.00050	C046842
Trichloroethene	mg/L	<0.00020	0.00020	C046842
Trichlorofluoromethane	mg/L	<0.00050	0.00050	C046842
1,2,4-trimethylbenzene	mg/L	<0.00050	0.00050	C046842
1,3,5-trimethylbenzene	mg/L	<0.00050	0.00050	C046842
Vinyl chloride	mg/L	<0.00050	0.00050	C046842
Surrogate Recovery (%)				
1,4-Difluorobenzene (sur.)	%	98		C046827
4-Bromofluorobenzene (sur.)	%	104		C046827
D4-1,2-Dichloroethane (sur.)	%	95		C046827
1,4-Difluorobenzene (sur.)	%	97		C046842
4-Bromofluorobenzene (sur.)	%	110		C046842
D4-1,2-Dichloroethane (sur.)	%	109		C046842
RDL = Reportable Detection Limit				



**BUREAU
VERITAS**

Bureau Veritas Job #: C569351
Report Date: 2025/09/11

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: BE

GENERAL COMMENTS

Results relate only to the items tested.

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Bureau Veritas Job #: C569351

Report Date: 2025/09/11

QUALITY ASSURANCE REPORT

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C046827	1,4-Difluorobenzene (sur.)	2025/08/15	93	50 - 140	97	50 - 140	98	%				
C046827	4-Bromofluorobenzene (sur.)	2025/08/15	108	50 - 140	102	50 - 140	103	%				
C046827	D4-1,2-Dichloroethane (sur.)	2025/08/15	99	50 - 140	97	50 - 140	94	%				
C046842	1,4-Difluorobenzene (sur.)	2025/08/14	98	50 - 140	97	50 - 140	98	%				
C046842	4-Bromofluorobenzene (sur.)	2025/08/14	103	50 - 140	103	50 - 140	109	%				
C046842	D4-1,2-Dichloroethane (sur.)	2025/08/14	109	50 - 140	107	50 - 140	112	%				
C044086	Total Oil and grease	2025/08/13			95	70 - 130	<2.0	mg/L				
C046276	Total Dissolved Solids	2025/08/14	98	80 - 120	97	80 - 120	<10	mg/L	3.6	20		
C046279	Total Dissolved Solids	2025/08/14	99	80 - 120	96	80 - 120	<10	mg/L	5.1	20		
C046333	Total Suspended Solids	2025/08/14	97	80 - 120	96	80 - 120	<0.99	mg/L	NC	20		
C046409	Turbidity	2025/08/13			99	80 - 120	<0.10	NTU	NC	20		
C046754	Alkalinity (PP as CaCO3)	2025/08/13					<0.50	mg/L	NC	20		
C046754	Alkalinity (Total as CaCO3)	2025/08/13			95	80 - 120	<0.50	mg/L	1.8	20		
C046754	Bicarbonate (HCO3)	2025/08/13					<0.50	mg/L	1.8	20		
C046754	Carbonate (CO3)	2025/08/13					<0.50	mg/L	NC	20		
C046754	Hydroxide (OH)	2025/08/13					<0.50	mg/L	NC	20		
C046762	pH	2025/08/13			100	97 - 103			1.2	N/A		
C046766	Dissolved Nitrate plus Nitrite (N)	2025/08/13	NC	80 - 120	109	80 - 120	<0.0030	mg/L	1.9	20		
C046766	Dissolved Nitrite (N)	2025/08/13	105	80 - 120	103	80 - 120	<0.0010	mg/L	0.75	20		
C046796	Conductivity	2025/08/13			98	90 - 110	<1.0	uS/cm	0.54	20		
C046797	Fluoride (F)	2025/08/13	100	80 - 120	94	80 - 120	0.018, RDL=0.010 (1)	mg/L	9.8	20		
C046827	Benzene	2025/08/15	72	50 - 140	90	60 - 130	<0.00040	mg/L	0.60	30		
C046827	Ethylbenzene	2025/08/15	87	50 - 140	91	60 - 130	<0.00040	mg/L	6.6	30		
C046827	F1 (C6-C10)	2025/08/15	95	60 - 140	104	60 - 140	<0.10	mg/L	1.4	30		
C046827	m & p-Xylene	2025/08/15	NC	50 - 140	92	60 - 130	<0.00080	mg/L	6.3	30		
C046827	o-Xylene	2025/08/15	NC	50 - 140	92	60 - 130	<0.00040	mg/L	5.8	30		
C046827	Toluene	2025/08/15	NC	50 - 140	90	60 - 130	<0.00040	mg/L	7.1	30		
C046842	1,1,1,2-tetrachloroethane	2025/08/14	102	50 - 140	101	60 - 130	<0.0010	mg/L	NC	30		
C046842	1,1,1-trichloroethane	2025/08/14	98	50 - 140	96	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,1,2,2-tetrachloroethane	2025/08/14	121	50 - 140	116	60 - 130	<0.0020	mg/L	NC	30		

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Bureau Veritas Job #: C569351

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QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C046842	1,1,2-trichloroethane	2025/08/14	114	50 - 140	110	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,1-dichloroethane	2025/08/14	102	50 - 140	101	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,1-dichloroethene	2025/08/14	96	50 - 140	96	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,2,3-trichlorobenzene	2025/08/14	105	50 - 140	103	60 - 130	<0.0010	mg/L	NC	30		
C046842	1,2,4-trichlorobenzene	2025/08/14	99	50 - 140	101	60 - 130	<0.0010	mg/L	NC	30		
C046842	1,2,4-trimethylbenzene	2025/08/14	107	50 - 140	109	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,2-dibromoethane	2025/08/14	118	50 - 140	114	60 - 130	<0.00020	mg/L	NC	30		
C046842	1,2-dichlorobenzene	2025/08/14	108	50 - 140	107	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,2-dichloroethane	2025/08/14	110	50 - 140	106	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,2-dichloropropane	2025/08/14	107	50 - 140	105	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,3,5-trichlorobenzene	2025/08/14	97	50 - 140	100	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,3,5-trimethylbenzene	2025/08/14	105	50 - 140	107	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,3-dichlorobenzene	2025/08/14	103	50 - 140	105	60 - 130	<0.00050	mg/L	NC	30		
C046842	1,4-dichlorobenzene	2025/08/14	101	50 - 140	103	60 - 130	<0.00050	mg/L	NC	30		
C046842	Bromodichloromethane	2025/08/14	108	50 - 140	106	60 - 130	<0.00050	mg/L	NC	30		
C046842	Bromoform	2025/08/14	113	50 - 140	110	60 - 130	<0.00050	mg/L	NC	30		
C046842	Bromomethane	2025/08/14	94	50 - 140	89	60 - 130	<0.0020	mg/L	NC	30		
C046842	Carbon tetrachloride	2025/08/14	97	50 - 140	96	60 - 130	<0.00050	mg/L	NC	30		
C046842	Chlorobenzene	2025/08/14	102	50 - 140	102	60 - 130	<0.00050	mg/L	NC	30		
C046842	Chloroethane	2025/08/14	97	50 - 140	96	60 - 130	<0.0010	mg/L	NC	30		
C046842	Chloroform	2025/08/14	104	50 - 140	102	60 - 130	<0.00050	mg/L	NC	30		
C046842	Chloromethane	2025/08/14	93	50 - 140	93	60 - 130	<0.0020	mg/L	NC	30		
C046842	cis-1,2-dichloroethene	2025/08/14	104	50 - 140	103	60 - 130	<0.00050	mg/L	NC	30		
C046842	cis-1,3-dichloropropene	2025/08/14	103	50 - 140	93	60 - 130	<0.00050	mg/L	NC	30		
C046842	Dibromochloromethane	2025/08/14	110	50 - 140	108	60 - 130	<0.0010	mg/L	NC	30		
C046842	Dichloromethane	2025/08/14	98	50 - 140	96	60 - 130	<0.0020	mg/L	NC	30		
C046842	Methyl methacrylate	2025/08/14	124	50 - 140	120	60 - 130	<0.00050	mg/L	NC	30		
C046842	Methyl-tert-butylether (MTBE)	2025/08/14	105	50 - 140	103	60 - 130	<0.00050	mg/L	NC	30		
C046842	Styrene	2025/08/14	105	50 - 140	107	60 - 130	<0.00050	mg/L	NC	30		
C046842	Tetrachloroethene	2025/08/14	88	50 - 140	90	60 - 130	<0.00050	mg/L	NC	30		
C046842	trans-1,2-dichloroethene	2025/08/14	95	50 - 140	97	60 - 130	<0.00050	mg/L	NC	30		



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Bureau Veritas Job #: C569351

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QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C046842	trans-1,3-dichloropropene	2025/08/14	121	50 - 140	108	60 - 130	<0.00050	mg/L	NC	30		
C046842	Trichloroethene	2025/08/14	95	50 - 140	95	60 - 130	<0.00020	mg/L	NC	30		
C046842	Trichlorofluoromethane	2025/08/14	93	50 - 140	93	60 - 130	<0.00050	mg/L	NC	30		
C046842	Vinyl chloride	2025/08/14	82	50 - 140	86	60 - 130	<0.00050	mg/L	NC	30		
C047169	Chloride (Cl)	2025/08/13	105	80 - 120	104	80 - 120	<0.50	mg/L	1.8	20		
C047169	Sulphate (SO4)	2025/08/13	100	80 - 120	99	80 - 120	0.52, RDL=0.50 (1)	mg/L				
C048091	Dissolved Aluminum (Al)	2025/08/15	96	80 - 120	95	80 - 120	<0.0030	mg/L	0.58	20		
C048091	Dissolved Antimony (Sb)	2025/08/15	99	80 - 120	97	80 - 120	<0.00050	mg/L	NC	20		
C048091	Dissolved Arsenic (As)	2025/08/15	103	80 - 120	99	80 - 120	<0.00010	mg/L	0.66	20		
C048091	Dissolved Barium (Ba)	2025/08/15	93	80 - 120	93	80 - 120	<0.0010	mg/L	1.3	20		
C048091	Dissolved Beryllium (Be)	2025/08/15	100	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
C048091	Dissolved Bismuth (Bi)	2025/08/15	86	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
C048091	Dissolved Boron (B)	2025/08/15	89	80 - 120	96	80 - 120	<0.050	mg/L	NC	20		
C048091	Dissolved Cadmium (Cd)	2025/08/15	100	80 - 120	98	80 - 120	<0.000010	mg/L	NC	20		
C048091	Dissolved Chromium (Cr)	2025/08/15	93	80 - 120	95	80 - 120	<0.0010	mg/L	NC	20		
C048091	Dissolved Cobalt (Co)	2025/08/15	94	80 - 120	94	80 - 120	<0.00020	mg/L	NC	20		
C048091	Dissolved Copper (Cu)	2025/08/15	93	80 - 120	94	80 - 120	<0.00020	mg/L	3.2	20		
C048091	Dissolved Iron (Fe)	2025/08/15	99	80 - 120	98	80 - 120	<0.0050	mg/L	1.2	20		
C048091	Dissolved Lead (Pb)	2025/08/15	100	80 - 120	98	80 - 120	<0.00020	mg/L	NC	20		
C048091	Dissolved Lithium (Li)	2025/08/15	100	80 - 120	96	80 - 120	<0.0020	mg/L	NC	20		
C048091	Dissolved Manganese (Mn)	2025/08/15	93	80 - 120	94	80 - 120	<0.0010	mg/L	0.28	20		
C048091	Dissolved Molybdenum (Mo)	2025/08/15	101	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
C048091	Dissolved Nickel (Ni)	2025/08/15	93	80 - 120	94	80 - 120	<0.0010	mg/L	2.2	20		
C048091	Dissolved Selenium (Se)	2025/08/15	105	80 - 120	97	80 - 120	<0.00010	mg/L	NC	20		
C048091	Dissolved Silicon (Si)	2025/08/15	92	80 - 120	92	80 - 120	<0.10	mg/L	3.0	20		
C048091	Dissolved Silver (Ag)	2025/08/15	65 (2)	80 - 120	86	80 - 120	<0.000020	mg/L	NC	20		
C048091	Dissolved Strontium (Sr)	2025/08/15	100	80 - 120	99	80 - 120	<0.0010	mg/L	0.035	20		
C048091	Dissolved Thallium (Tl)	2025/08/15	107	80 - 120	103	80 - 120	<0.000010	mg/L	NC	20		
C048091	Dissolved Tin (Sn)	2025/08/15	103	80 - 120	102	80 - 120	<0.0050	mg/L	NC	20		
C048091	Dissolved Titanium (Ti)	2025/08/15	101	80 - 120	97	80 - 120	<0.0050	mg/L	NC	20		

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Bureau Veritas Job #: C569351

Report Date: 2025/09/11

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C048091	Dissolved Uranium (U)	2025/08/15	108	80 - 120	105	80 - 120	<0.00010	mg/L	NC	20		
C048091	Dissolved Vanadium (V)	2025/08/15	94	80 - 120	94	80 - 120	<0.0050	mg/L	NC	20		
C048091	Dissolved Zinc (Zn)	2025/08/15	102	80 - 120	95	80 - 120	<0.0050	mg/L	NC	20		
C048091	Dissolved Zirconium (Zr)	2025/08/15	102	80 - 120	101	80 - 120	<0.00010	mg/L	NC	20		
C048263	Total Nitrogen (N)	2025/08/14	NC	80 - 120	100	80 - 120	<0.020	mg/L	2.4	20	103	80 - 120
C048553	Strong Acid Dissoc. Cyanide (CN)	2025/08/15	106	80 - 120	101	80 - 120	<0.00050	mg/L	NC	20		
C048563	Weak Acid Dissoc. Cyanide (CN)	2025/08/15	107	80 - 120	104	80 - 120	<0.00050	mg/L	NC	20		
C048567	Free Free Cyanide	2025/08/15	105	80 - 120	104	80 - 120	<0.00050	mg/L	15	20		
C048586	Total Phosphorus (P)	2025/08/15	99	80 - 120	97	80 - 120	<0.0010	mg/L	4.9	20	91	80 - 120
C048809	Total Mercury (Hg)	2025/08/14	101	80 - 120	100	80 - 120	<0.0000019	mg/L	NC	20		
C048815	Dissolved Mercury (Hg)	2025/08/14	99	80 - 120	99	80 - 120	<0.0000019	mg/L	NC	20		
C049357	Total Aluminum (Al)	2025/08/16	101	80 - 120	100	80 - 120	<0.0030	mg/L	4.7	20		
C049357	Total Antimony (Sb)	2025/08/16	106	80 - 120	105	80 - 120	<0.00050	mg/L	NC	20		
C049357	Total Arsenic (As)	2025/08/16	107	80 - 120	105	80 - 120	<0.00010	mg/L	6.9	20		
C049357	Total Barium (Ba)	2025/08/16	107	80 - 120	106	80 - 120	<0.0010	mg/L	2.9	20		
C049357	Total Beryllium (Be)	2025/08/16	102	80 - 120	103	80 - 120	<0.00010	mg/L	NC	20		
C049357	Total Bismuth (Bi)	2025/08/16	101	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
C049357	Total Boron (B)	2025/08/16	101	80 - 120	98	80 - 120	<0.050	mg/L	NC	20		
C049357	Total Cadmium (Cd)	2025/08/16	103	80 - 120	103	80 - 120	<0.0000010	mg/L	NC	20		
C049357	Total Chromium (Cr)	2025/08/16	104	80 - 120	102	80 - 120	<0.0010	mg/L	NC	20		
C049357	Total Cobalt (Co)	2025/08/16	103	80 - 120	101	80 - 120	<0.00020	mg/L	NC	20		
C049357	Total Copper (Cu)	2025/08/16	102	80 - 120	101	80 - 120	<0.00050	mg/L	0.61	20		
C049357	Total Iron (Fe)	2025/08/16	101	80 - 120	100	80 - 120	<0.010	mg/L	3.1	20		
C049357	Total Lead (Pb)	2025/08/16	106	80 - 120	105	80 - 120	<0.00020	mg/L	NC	20		
C049357	Total Lithium (Li)	2025/08/16	98	80 - 120	98	80 - 120	<0.0020	mg/L	NC	20		
C049357	Total Manganese (Mn)	2025/08/16	103	80 - 120	103	80 - 120	<0.0010	mg/L	0.28	20		
C049357	Total Molybdenum (Mo)	2025/08/16	111	80 - 120	108	80 - 120	<0.0010	mg/L	NC	20		
C049357	Total Nickel (Ni)	2025/08/16	101	80 - 120	101	80 - 120	<0.0010	mg/L	2.3	20		
C049357	Total Selenium (Se)	2025/08/16	100	80 - 120	100	80 - 120	<0.00010	mg/L	NC	20		
C049357	Total Silicon (Si)	2025/08/16	100	80 - 120	102	80 - 120	<0.10	mg/L	2.8	20		
C049357	Total Silver (Ag)	2025/08/16	98	80 - 120	97	80 - 120	<0.000020	mg/L	NC	20		

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QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C049357	Total Strontium (Sr)	2025/08/16	111	80 - 120	107	80 - 120	<0.0010	mg/L	3.6	20		
C049357	Total Thallium (Tl)	2025/08/16	106	80 - 120	104	80 - 120	<0.000010	mg/L	NC	20		
C049357	Total Tin (Sn)	2025/08/16	105	80 - 120	107	80 - 120	<0.0050	mg/L	NC	20		
C049357	Total Titanium (Ti)	2025/08/16	106	80 - 120	106	80 - 120	<0.0050	mg/L	NC	20		
C049357	Total Uranium (U)	2025/08/16	109	80 - 120	107	80 - 120	<0.00010	mg/L	NC	20		
C049357	Total Vanadium (V)	2025/08/16	102	80 - 120	101	80 - 120	<0.0050	mg/L	NC	20		
C049357	Total Zinc (Zn)	2025/08/16	102	80 - 120	103	80 - 120	<0.0050	mg/L	NC	20		
C049357	Total Zirconium (Zr)	2025/08/16	108	80 - 120	107	80 - 120	<0.00010	mg/L	NC	20		
C049679	Total Dissolved Solids	2025/08/17	NC	80 - 120	98	80 - 120	<10	mg/L	1.5	20		
C049702	Total Ammonia (N)	2025/08/15	107	80 - 120	108	80 - 120	<0.0050	mg/L	3.1	20		
C058133	Reactive Silica	2025/08/21	104	80 - 120	105	80 - 120	<0.050	mg/L	11	20		
C061111	Total Organic Carbon (C)	2025/08/25	110	75 - 125	101	80 - 120	<0.20	mg/L	1.0	20		
C061306	Dissolved Organic Carbon (C)	2025/08/25	98	75 - 125	100	80 - 120	<0.20	mg/L	2.8	20		
C082171	Radium 226	2025/09/05			91	85 - 115	<0.0050	Bq/l				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL).(1) Method blank exceeds acceptance limits, $2 \times$ RDL acceptable for low level analysis

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



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B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: Goose Lake, Back River Mine

Your P.O. #: 470000200

Sampler Initials: BE

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cara Shurgot, Analyst 2

Blake Barber, Laboratory Manager

Kyle Monaghan, Analyst 2

Sandy Yuan, M.Sc., QP, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Veronica Falk, B.Sc., P.Chem., QP, Scientific Specialist, Organics

Bureau Veritas Certified by Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics



Bureau Veritas Job #: C569351
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B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: Goose Lake, Back River Mine
Your P.O. #: 470000200
Sampler Initials: BE

VALIDATION SIGNATURE PAGE(CONT'D)

The analytical data and all QC contained in this report were reviewed and validated by:

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.

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Choose Location:

- ☐ Calgary, AB: 4000 - 19th St. NE, T2E 6P6 Toll Free (800) 386-7247
- ☐ Edmonton, AB: 4326 - 76 Avenue NW, T6B 2T8 Toll Free (800) 386 - 7247
- ☐ Winnipeg, MB: D-675 Berry St. R3H 1A7 Toll Free (866) 800 - 6208

Chain of Custody Record

B2GN ENV

COC - 00013v6

Invoice Information				Invoice to (requires report)				Report Information (if differs from invoice)				Project Information				
Company:		B2Gold Back River Corp						Company:		B2Gold Back River Corp				Quotation #:		
Contact Name:		Chris LeGoffe						Contact Name:		Chris LeGoffe				P.O. #/ AFE#:		4700000200
Street Address:		Suite 3400 666 Burrard St.						Street Address:		Suite 3400 666 Burrard St.				Project #:		B2Gold Nunavut
City:	Vancouver	Prov:	BC	Postal Code:	V6C 2X8	City:	Vancouver	Prov:	BC	Postal Code:	V6C 2X8	Site #:	Goose Lake			
Phone:		1.604.681.8371						Phone:		867.336.1349				Site Location:		Back River Mine
Email:		BA.AccountsPayable@b2gold.com						Email:		clegoffe@b2gold.com				Site Location		
Copies:		clegoffe@b2gold.com						Copies:		br.environment@b2gold.com nfallan@hatfieldgroup.com trewis@hatfieldgroup.com				Province:		Nunavut
Copies:		clegoffe@b2gold.com						Copies:		br.environment@b2gold.com nfallan@hatfieldgroup.com trewis@hatfieldgroup.com				Sampled By:		BE SC



EYK-2025-08-03E

☐ AT1 ☐ CCME ☐ Drinking water - canada ☐ MDMER ☐ Other: _____												☒ 5 to 7 Day ☐ 10 Day Rush Turnaround Time (TAT) Surcharges Apply ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day Date Required: YYYY MM DD																					
SAMPLES MUST BE KEPT COOL (<10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS																																	
Sample Identification		Date Sampled			Time (24hr)		Matrix	General Chemistry (pH, turbidity, conductivity (EC/SPC), alkalinity, Ca, Cl, F, sulphate, sulphide, reactive silica, hydroxide, carbonate, bicarbonate, TSS & TDS, Nutrients (Nitrites, Total N, Total P, TN), Nutrients (TOC), Ammonia, Un-ionized Ammonia, Nutrients (DOC), BTEX, VOCs, Oil & Grease, Cyanide (T & WAD), Cyanide (Free), Total Metals (incl. Hardness & Cations), Dissolved Metals (incl. Hardness and Cations), Radium 226, Total Mercury, Dissolved Mercury, Acute Tox (Rainbow Trout), Acute Tox D (magna), Temperature (°C), pH, ORP (mV), # OF CONTAINERS SUBMITTED																									
		YYYY	MM	DD	HH	MM		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				
1	BRP-01	2025	8	10	14	25	W	1	1	1	1	1	1		1	1	1	1	1	1	1	5	1	15	6.8	80	19						
2	BRP-02	2025	8	10	14	20	W	1	1	1	1	1	1	2	1	1	1	1	1	1				15	7	71	14						
3	BRP-06	2025	8	10	14	20	W	1	1	1	1	1	1	1			1	1	1	1				13	7	81	9						
4	BRP-18	2025	8	10	13	50	W	1	1	1	1	1	1	1		1	1	1	1	1	1		13	5.8	101	12							
5	BRP-DUP	2025	8	10			W	1	1	1	1	1	1	2	1	1		1	1	1	1		15	7	71	14							
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

UNLESS OTHERWISE AGREED TO IN WRITING, WORKS SUBMITTED ON THIS FORM OF CUTOFF IS SUBJECT TO BUREAU VERITAS STANDARD TERMS AND CONDITIONS OF SERVICE, WHICH ARE AVAILABLE FOR VIEWING AT WWW.BV.COM/CONTACT AND CANNOT BE CHANGED BY THE CUSTOMER. CUSTOMER AGREES TO OBTAIN A COPY.

LAB USE ONLY				LAB USE ONLY				LAB USE ONLY				Special Instructions			
Yes	No	Temp	Time	Yes	No	Temp	Time	Yes	No	Temp	Time				
Seal present	☒	100		Seal present	☒	323		Seal present	☐						
Seal intact	☒			Seal intact	☒			Seal intact	☐						
Cooling media present	☒			Cooling media present	☒			Cooling media present	☐						
Relinquished by: (Signature/ Print)				Received by: (signature/ Print)				Special Instructions							
Billy Exton				Received in Yellowknife											
25 8 11 8 0				By: [Signature]											

MCAL = Charlie K. Lombardi
2025-08-12 15:00
CS:Y ICE:Y

AUG 11 2025
Temp: 5/7/6 ; 8/9/10
CS: 10 Ice: yes

**Attention: Chris LeGoffe**

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/09/26
Report #: R3714850
Version: 3 - Final

CERTIFICATE OF ANALYSIS**BUREAU VERITAS JOB #: C573668****Received: 2025/08/26, 12:30**

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity - Low Level (1)	1	N/A	2025/08/31	AB SOP-00005	SM 24 2320 B m
Low level chloride/sulphate by AC (1)	1	N/A	2025/08/28	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total) (1)	1	N/A	2025/09/04	CAL SOP-00270	SM 24 4500-CN m
Cyanide WAD (weak acid dissociable) (1)	1	N/A	2025/09/04	CAL SOP-00270	SM 24 4500-CN m
Carbon (DOC) -Lab Filtered (1, 3)	1	N/A	2025/09/10	AB SOP-00087	MMCW 119 1996 m
Conductance - Low Level (1)	1	N/A	2025/08/31	AB SOP-00005	SM 24 2510 B m
Fluoride - Low Level (1)	1	N/A	2025/08/31	AB SOP-00005	SM 24 4500-F C m
Free Cyanide (1)	1	N/A	2025/09/04	CAL SOP-00270	Skalar I291-301w/r m
Hardness Total (calculated as CaCO3) (1, 4)	1	N/A	2025/09/04	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV-Lab Filtered (1)	1	2025/09/02	2025/09/02	AB SOP-00084	BCMOE BCLM Oct2013 m
Mercury (Total) by CV (1)	1	2025/09/03	2025/09/03	AB SOP-00084	BCMOE BCLM Oct2013 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (1)	1	N/A	2025/08/28		Auto Calc
Elements by CRC ICPMS (lab filtered) (1, 5)	1	N/A	2025/08/28	AB SOP-00043	EPA 6020 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	1	2025/08/27	2025/09/04		Auto Calc
Elements by CRC ICPMS (total) (1)	1	2025/09/03	2025/09/03	AB SOP-00043	EPA 6020 m
Un-Ionized Ammonia (NH3) as N (1)	1	N/A	2025/09/03		Auto Calc
Ammonia-N Low Level (Preserved) (1)	1	N/A	2025/09/03	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate and Nitrite (1)	1	N/A	2025/08/29		Auto Calc
NO2 (N); NO2 (N) + NO3 (N) in Water (LL) (1)	1	N/A	2025/08/28	AB SOP-00091	SM 24 4500 NO3m
Nitrate (as N) (Low Level) (1)	1	2025/08/27	2025/08/29		Auto Calc
pH @25°C (1, 6)	1	N/A	2025/08/31	AB SOP-00005	SM 24 4500-H+B m
pH (Field) (1)	1	N/A	2025/08/27	Field Test	Field Test
Redox Potential (OnSite-Field) (1)	1	N/A	2025/08/27	Field Test	Field Test
Total Dissolved Solids (Filt. Residue) (1)	1	2025/08/30	2025/09/02	AB SOP-00065	SM 24 2540 C m
Total Dissolved Solids (Calculated) (1)	1	N/A	2025/09/01		Auto Calc
Temperature (Field) (1)	1	N/A	2025/08/27	Field Test	Field Test
Total Kjeldahl Nitrogen (Total) (1)	1	N/A	2025/09/03		Auto Calc
Nitrogen (Total) (1)	1	2025/08/30	2025/09/02	AB SOP-00093	SM 24 4500-N C m
Carbon (Total Organic) (1, 7)	1	N/A	2025/09/04	AB SOP-00087	MMCW 119 1996 m
Total Phosphorus Low Level Total (1)	1	2025/08/31	2025/09/02	AB SOP-00024	SM 24 4500-P A,B,F m
Total Suspended Solids (NFR) (1)	1	2025/08/30	2025/08/30	AB SOP-00061	SM 24 2540 D m



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/09/26

Report #: R3714850

Version: 3 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C573668

Received: 2025/08/26, 12:30

Sample Matrix: Water
Samples Received: 1

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Turbidity (1)	1	N/A	2025/08/28	CAL SOP-00081	SM 24 2130 B m
Radium-226 Low Level (2, 8)	1	N/A	2025/09/25	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8

(2) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Rd., Unit 4, Mississauga, Ontario, L5N 5L9

(3) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(4) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(5) Samples were filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

For Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(6) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are



Attention: Chris LeGoffe

B2Gold Back River Corp.
Park Place
Suite 3400-666 Burrard St.
VANCOUVER, BC
CANADA V6C 2X8

Your P.O. #: 470000200
Your Project #: B2GOLD NUNAVUT
Site#: GOOSE LAKE
Site Location: BACK RIVER MINE
Your C.O.C. #: 10F1

Report Date: 2025/09/26
Report #: R3714850
Version: 3 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C573668

Received: 2025/08/26, 12:30

reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.

(7) TOC present in the sample should be considered as non-purgeable TOC.

(8) Radium-226 results have not been corrected for blanks.

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

26 Sep 2025 14:46:38

Please direct all questions regarding this Certificate of Analysis to:
Stephanie Rodriguez Camacho, Customer Solutions Representative
Email: Stephanie.Rodriguez@bureauveritas.com
Phone# (780) 577-7100

=====

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C573668

Report Date: 2025/09/26

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DRS052		
Sampling Date		2025/08/25 09:45		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	76.1	0.50	C064371
Dissolved Nitrate (N)	mg/L	0.014	0.0030	C064014
Nitrate (NO ₃)	mg/L	0.063	0.013	C064995
Nitrite (NO ₂)	mg/L	<0.0033	0.0033	C064995
Calculated Total Dissolved Solids	mg/L	95	10	C064385
Total Total Kjeldahl Nitrogen (Calc)	mg/L	0.31	0.020	C064448
Un-Ionized Ammonia	mg/L	<0.00050	0.00050	C065202
Field Parameters				
Field pH	pH	7.29	N/A	ONSITE
Field Redox Potential	mV	195.1	N/A	ONSITE
Field Temperature (Fd)	deg. C	12.3	N/A	ONSITE
Misc. Inorganics				
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.00064	0.00050	C072554
Weak Acid Dissoc. Cyanide (CN)	mg/L	<0.00050 (1)	0.00050	C072556
Fluoride (F)	mg/L	0.032	0.010	C068489
Free Free Cyanide	mg/L	0.00059	0.00050	C072557
pH	pH	6.22	N/A	C068487
Alkalinity (Total as CaCO ₃)	mg/L	10.2	0.50	C068484
Total Organic Carbon (C)	mg/L	4.7	0.20	C072605
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	0.50	C068484
Bicarbonate (HCO ₃)	mg/L	12.5	0.50	C068484
Carbonate (CO ₃)	mg/L	<0.50	0.50	C068484
Hydroxide (OH)	mg/L	<0.50	0.50	C068484
Total Dissolved Solids	mg/L	140	10	C068420
Total Suspended Solids	mg/L	1.9	1.0	C068437
Lab Filtered Inorganics				
Dissolved Organic Carbon (C)	mg/L	4.7	0.50	C080213
RDL = Reportable Detection Limit N/A = Not Applicable (1) WAD Cyanide < Free Cyanide: Both values fall within the method uncertainty for duplicates and are likely equivalent.				



BUREAU
VERITAS

Bureau Veritas Job #: C573668

Report Date: 2025/09/26

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DRS052		
Sampling Date		2025/08/25 09:45		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Anions				
Chloride (Cl)	mg/L	40	0.50	C065897
Sulphate (SO4)	mg/L	17	0.50	C065897
Nutrients				
Total Phosphorus (P)	mg/L	0.0043	0.0010	C068988
Total Ammonia (N)	mg/L	0.040	0.0050	C071011
Dissolved Nitrite (N)	mg/L	<0.0010	0.0010	C066336
Dissolved Nitrate plus Nitrite (N)	mg/L	0.014	0.0030	C066336
Total Nitrogen (N)	mg/L	0.33	0.020	C068570
Physical Properties				
Conductivity	uS/cm	196	1.0	C068488
RADIONUCLIDE				
Radium 226	Bq/l	<0.0050	0.0050	C102178
Physical Properties				
Turbidity	NTU	2.0	0.10	C066756
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C573668

Report Date: 2025/09/26

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DRS052		
Sampling Date		2025/08/25 09:45		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Elements				
Total Mercury (Hg)	mg/L	<0.0000019	0.0000019	C071655
Lab Filtered Elements				
Dissolved Mercury (Hg)	mg/L	<0.0000019	0.0000019	C070217
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C573668
Report Date: 2025/09/26

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DRS052		
Sampling Date		2025/08/25 09:45		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Dissolved Metals by ICPMS				
Dissolved Calcium (Ca)	mg/L	20.3	0.25	C064374
Dissolved Magnesium (Mg)	mg/L	7.32	0.050	C064374
Dissolved Potassium (K)	mg/L	1.50	0.050	C064374
Dissolved Sodium (Na)	mg/L	2.02	0.050	C064374
Dissolved Sulphur (S)	mg/L	5.8	3.0	C064374
Lab Filtered Metals				
Dissolved Aluminum (Al)	ug/L	7.2	3.0	C065615
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	C065615
Dissolved Arsenic (As)	ug/L	0.93	0.10	C065615
Dissolved Barium (Ba)	ug/L	29.4	1.0	C065615
Dissolved Beryllium (Be)	ug/L	<0.10	0.10	C065615
Dissolved Bismuth (Bi)	ug/L	<1.0	1.0	C065615
Dissolved Boron (B)	ug/L	<50	50	C065615
Dissolved Cadmium (Cd)	ug/L	0.010	0.010	C065615
Dissolved Chromium (Cr)	ug/L	<1.0	1.0	C065615
Dissolved Cobalt (Co)	ug/L	0.31	0.20	C065615
Dissolved Copper (Cu)	ug/L	1.07	0.20	C065615
Dissolved Iron (Fe)	ug/L	37	25	C065615
Dissolved Lead (Pb)	ug/L	<0.20	0.20	C065615
Dissolved Lithium (Li)	ug/L	2.0	2.0	C065615
Dissolved Manganese (Mn)	ug/L	9.2	1.0	C065615
Dissolved Molybdenum (Mo)	ug/L	<1.0	1.0	C065615
Dissolved Nickel (Ni)	ug/L	2.9	1.0	C065615
Dissolved Selenium (Se)	ug/L	<0.50	0.50	C065615
Dissolved Silicon (Si)	ug/L	<500	500	C065615
Dissolved Silver (Ag)	ug/L	<0.020	0.020	C065615
Dissolved Strontium (Sr)	ug/L	65.1	1.0	C065615
Dissolved Thallium (Tl)	ug/L	<0.010	0.010	C065615
Dissolved Tin (Sn)	ug/L	<5.0	5.0	C065615
Dissolved Titanium (Ti)	ug/L	<5.0	5.0	C065615
Dissolved Uranium (U)	ug/L	<0.10	0.10	C065615
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C573668
Report Date: 2025/09/26

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DRS052		
Sampling Date		2025/08/25 09:45		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Dissolved Vanadium (V)	ug/L	<5.0	5.0	C065615
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	C065615
Dissolved Zirconium (Zr)	ug/L	<0.10	0.10	C065615
Total Metals by ICPMS				
Total Aluminum (Al)	mg/L	0.0711	0.0030	C070917
Total Antimony (Sb)	mg/L	<0.00050	0.00050	C070917
Total Arsenic (As)	mg/L	0.00108	0.00010	C070917
Total Barium (Ba)	mg/L	0.0269	0.0010	C070917
Total Beryllium (Be)	mg/L	<0.00010	0.00010	C070917
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	C070917
Total Boron (B)	mg/L	<0.050	0.050	C070917
Total Cadmium (Cd)	mg/L	<0.000010	0.000010	C070917
Total Chromium (Cr)	mg/L	<0.0010	0.0010	C070917
Total Cobalt (Co)	mg/L	0.00040	0.00020	C070917
Total Copper (Cu)	mg/L	0.00161	0.00050	C070917
Total Iron (Fe)	mg/L	0.226	0.010	C070917
Total Lead (Pb)	mg/L	<0.00020	0.00020	C070917
Total Lithium (Li)	mg/L	0.0021	0.0020	C070917
Total Manganese (Mn)	mg/L	0.0104	0.0010	C070917
Total Molybdenum (Mo)	mg/L	<0.0010	0.0010	C070917
Total Nickel (Ni)	mg/L	0.0031	0.0010	C070917
Total Selenium (Se)	mg/L	<0.00010	0.00010	C070917
Total Silicon (Si)	mg/L	0.33	0.10	C070917
Total Silver (Ag)	mg/L	<0.000020	0.000020	C070917
Total Strontium (Sr)	mg/L	0.0659	0.0010	C070917
Total Thallium (Tl)	mg/L	<0.000010	0.000010	C070917
Total Tin (Sn)	mg/L	<0.0050	0.0050	C070917
Total Titanium (Ti)	mg/L	<0.0050	0.0050	C070917
Total Uranium (U)	mg/L	<0.00010	0.00010	C070917
Total Vanadium (V)	mg/L	<0.0050	0.0050	C070917
Total Zinc (Zn)	mg/L	<0.0050	0.0050	C070917
Total Zirconium (Zr)	mg/L	<0.00010	0.00010	C070917
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C573668

Report Date: 2025/09/26

B2Gold Back River Corp.

Client Project #: B2GOLD NUNAVUT

Site Location: BACK RIVER MINE

Your P.O. #: 470000200

Sampler Initials: CG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DRS052		
Sampling Date		2025/08/25 09:45		
COC Number		1OF1		
	UNITS	BRP-01	RDL	QC Batch
Total Calcium (Ca)	mg/L	19.7	0.050	C064375
Total Magnesium (Mg)	mg/L	6.56	0.050	C064375
Total Potassium (K)	mg/L	1.44	0.050	C064375
Total Sodium (Na)	mg/L	1.87	0.050	C064375
Total Sulphur (S)	mg/L	5.6	3.0	C064375
RDL = Reportable Detection Limit				



**BUREAU
VERITAS**

Bureau Veritas Job #: C573668

Report Date: 2025/09/26

B2Gold Back River Corp.

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GENERAL COMMENTS

Results relate only to the items tested.

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VERITAS

Bureau Veritas Job #: C573668

Report Date: 2025/09/26

QUALITY ASSURANCE REPORT

B2Gold Back River Corp.
 Client Project #: B2GOLD NUNAVUT
 Site Location: BACK RIVER MINE
 Your P.O. #: 470000200
 Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C065615	Dissolved Aluminum (Al)	2025/08/28	102	80 - 120	102	80 - 120	<3.0	ug/L	3.1	20		
C065615	Dissolved Antimony (Sb)	2025/08/28	100	80 - 120	103	80 - 120	<0.50	ug/L	NC	20		
C065615	Dissolved Arsenic (As)	2025/08/28	108	80 - 120	104	80 - 120	<0.10	ug/L	1.6	20		
C065615	Dissolved Barium (Ba)	2025/08/28	99	80 - 120	103	80 - 120	<1.0	ug/L	1.6	20		
C065615	Dissolved Beryllium (Be)	2025/08/28	106	80 - 120	104	80 - 120	<0.10	ug/L	NC	20		
C065615	Dissolved Bismuth (Bi)	2025/08/28	72 (1)	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
C065615	Dissolved Boron (B)	2025/08/28	94	80 - 120	102	80 - 120	<50	ug/L	NC	20		
C065615	Dissolved Cadmium (Cd)	2025/08/28	106	80 - 120	105	80 - 120	<0.010	ug/L	1.0	20		
C065615	Dissolved Chromium (Cr)	2025/08/28	103	80 - 120	104	80 - 120	<1.0	ug/L	NC	20		
C065615	Dissolved Cobalt (Co)	2025/08/28	101	80 - 120	102	80 - 120	<0.20	ug/L	2.9	20		
C065615	Dissolved Copper (Cu)	2025/08/28	100	80 - 120	102	80 - 120	<0.20	ug/L	3.1	20		
C065615	Dissolved Iron (Fe)	2025/08/28	102	80 - 120	104	80 - 120	<5.0	ug/L	3.6	20		
C065615	Dissolved Lead (Pb)	2025/08/28	101	80 - 120	101	80 - 120	<0.20	ug/L	NC	20		
C065615	Dissolved Lithium (Li)	2025/08/28	102	80 - 120	103	80 - 120	<2.0	ug/L	1.4	20		
C065615	Dissolved Manganese (Mn)	2025/08/28	102	80 - 120	102	80 - 120	<1.0	ug/L	1.5	20		
C065615	Dissolved Molybdenum (Mo)	2025/08/28	101	80 - 120	106	80 - 120	<1.0	ug/L	NC	20		
C065615	Dissolved Nickel (Ni)	2025/08/28	100	80 - 120	102	80 - 120	<1.0	ug/L	2.4	20		
C065615	Dissolved Selenium (Se)	2025/08/28	109	80 - 120	103	80 - 120	<0.10	ug/L	NC	20		
C065615	Dissolved Silicon (Si)	2025/08/28	97	80 - 120	101	80 - 120	<100	ug/L	NC	20		
C065615	Dissolved Silver (Ag)	2025/08/28	72 (1)	80 - 120	96	80 - 120	<0.020	ug/L	NC	20		
C065615	Dissolved Strontium (Sr)	2025/08/28	NC	80 - 120	100	80 - 120	<1.0	ug/L	2.6	20		
C065615	Dissolved Thallium (Tl)	2025/08/28	109	80 - 120	108	80 - 120	<0.010	ug/L	NC	20		
C065615	Dissolved Tin (Sn)	2025/08/28	104	80 - 120	104	80 - 120	<5.0	ug/L	NC	20		
C065615	Dissolved Titanium (Ti)	2025/08/28	103	80 - 120	104	80 - 120	<5.0	ug/L	NC	20		
C065615	Dissolved Uranium (U)	2025/08/28	106	80 - 120	105	80 - 120	<0.10	ug/L	NC	20		
C065615	Dissolved Vanadium (V)	2025/08/28	103	80 - 120	103	80 - 120	<5.0	ug/L	NC	20		
C065615	Dissolved Zinc (Zn)	2025/08/28	114	80 - 120	104	80 - 120	<5.0	ug/L	NC	20		
C065615	Dissolved Zirconium (Zr)	2025/08/28	101	80 - 120	104	80 - 120	<0.10	ug/L	NC	20		
C065897	Chloride (Cl)	2025/08/28	105	80 - 120	102	80 - 120	<0.50	mg/L	11	20		
C065897	Sulphate (SO4)	2025/08/28	102	80 - 120	101	80 - 120	<0.50	mg/L	1.6	20		
C066336	Dissolved Nitrate plus Nitrite (N)	2025/08/28	87	80 - 120	95	80 - 120	<0.0030	mg/L	NC	20		

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VERITAS

Bureau Veritas Job #: C573668

Report Date: 2025/09/26

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
 Client Project #: B2GOLD NUNAVUT
 Site Location: BACK RIVER MINE
 Your P.O. #: 470000200
 Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C066336	Dissolved Nitrite (N)	2025/08/28	107	80 - 120	102	80 - 120	<0.0010	mg/L	NC	20		
C066756	Turbidity	2025/08/28			100	80 - 120	<0.10	NTU	5.0	20		
C068420	Total Dissolved Solids	2025/09/02	99	80 - 120	105	80 - 120	<10	mg/L	2.0	20		
C068437	Total Suspended Solids	2025/08/30	102	80 - 120	103	80 - 120	<1.0	mg/L	NC	20		
C068484	Alkalinity (PP as CaCO ₃)	2025/08/31					<0.50	mg/L	NC	20		
C068484	Alkalinity (Total as CaCO ₃)	2025/08/31			101	80 - 120	<0.50	mg/L	3.6	20		
C068484	Bicarbonate (HCO ₃)	2025/08/31					<0.50	mg/L	5.5	20		
C068484	Carbonate (CO ₃)	2025/08/31					<0.50	mg/L	30 (1)	20		
C068484	Hydroxide (OH)	2025/08/31					<0.50	mg/L	NC	20		
C068487	pH	2025/08/31			101	97 - 103			0.58	N/A		
C068488	Conductivity	2025/08/31			102	90 - 110	1.1, RDL=1.0 (2)	uS/cm	0.86	20		
C068489	Fluoride (F)	2025/08/31	112	80 - 120	105	80 - 120	<0.010	mg/L	3.4	20		
C068570	Total Nitrogen (N)	2025/09/02	NC	80 - 120	94	80 - 120	<0.020	mg/L	1.5	20	98	80 - 120
C068988	Total Phosphorus (P)	2025/09/02	105	80 - 120	96	80 - 120	<0.0010	mg/L	7.1	20	86	80 - 120
C070217	Dissolved Mercury (Hg)	2025/09/02	93	80 - 120	101	80 - 120	<0.0000019	mg/L	NC	20		
C070917	Total Aluminum (Al)	2025/09/04	102	80 - 120	99	80 - 120	<0.0030	mg/L	NC	20		
C070917	Total Antimony (Sb)	2025/09/04	90	80 - 120	101	80 - 120	<0.00050	mg/L	NC	20		
C070917	Total Arsenic (As)	2025/09/04	102	80 - 120	99	80 - 120	<0.00010	mg/L	NC	20		
C070917	Total Barium (Ba)	2025/09/04	91	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
C070917	Total Beryllium (Be)	2025/09/04	101	80 - 120	102	80 - 120	<0.00010	mg/L	NC	20		
C070917	Total Bismuth (Bi)	2025/09/04	99	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
C070917	Total Boron (B)	2025/09/04	NC	80 - 120	104	80 - 120	<0.050	mg/L	NC	20		
C070917	Total Cadmium (Cd)	2025/09/04	99	80 - 120	98	80 - 120	<0.000010	mg/L	NC	20		
C070917	Total Chromium (Cr)	2025/09/04	100	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		
C070917	Total Cobalt (Co)	2025/09/04	97	80 - 120	96	80 - 120	<0.00020	mg/L	NC	20		
C070917	Total Copper (Cu)	2025/09/04	96	80 - 120	96	80 - 120	<0.00050	mg/L	NC	20		
C070917	Total Iron (Fe)	2025/09/04	98	80 - 120	100	80 - 120	<0.010	mg/L	NC	20		
C070917	Total Lead (Pb)	2025/09/04	100	80 - 120	101	80 - 120	<0.00020	mg/L	NC	20		
C070917	Total Lithium (Li)	2025/09/04	NC	80 - 120	103	80 - 120	<0.0020	mg/L	NC	20		
C070917	Total Manganese (Mn)	2025/09/04	107	80 - 120	98	80 - 120	<0.0010	mg/L	NC	20		



BUREAU
VERITAS

Bureau Veritas Job #: C573668

Report Date: 2025/09/26

QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C070917	Total Molybdenum (Mo)	2025/09/04	117	80 - 120	101	80 - 120	<0.0010	mg/L	NC	20		
C070917	Total Nickel (Ni)	2025/09/04	96	80 - 120	96	80 - 120	<0.0010	mg/L	NC	20		
C070917	Total Selenium (Se)	2025/09/04	103	80 - 120	96	80 - 120	<0.00010	mg/L	NC	20		
C070917	Total Silicon (Si)	2025/09/04	109	80 - 120	98	80 - 120	<0.10	mg/L	NC	20		
C070917	Total Silver (Ag)	2025/09/04	84	80 - 120	95	80 - 120	<0.000020	mg/L	NC	20		
C070917	Total Strontium (Sr)	2025/09/04	NC	80 - 120	102	80 - 120	<0.0010	mg/L	2.2	20		
C070917	Total Thallium (Tl)	2025/09/04	104	80 - 120	105	80 - 120	<0.000010	mg/L	NC	20		
C070917	Total Tin (Sn)	2025/09/04	104	80 - 120	104	80 - 120	<0.0050	mg/L	NC	20		
C070917	Total Titanium (Ti)	2025/09/04	84	80 - 120	97	80 - 120	<0.0050	mg/L	NC	20		
C070917	Total Uranium (U)	2025/09/04	102	80 - 120	105	80 - 120	<0.00010	mg/L	NC	20		
C070917	Total Vanadium (V)	2025/09/04	100	80 - 120	97	80 - 120	<0.0050	mg/L	NC	20		
C070917	Total Zinc (Zn)	2025/09/04	93	80 - 120	96	80 - 120	<0.0050	mg/L	NC	20		
C070917	Total Zirconium (Zr)	2025/09/04	91	80 - 120	103	80 - 120	<0.00010	mg/L	NC	20		
C071011	Total Ammonia (N)	2025/09/03	103	80 - 120	102	80 - 120	<0.0050	mg/L	2.0	20		
C071655	Total Mercury (Hg)	2025/09/03	102	80 - 120	97	80 - 120	<0.0000019	mg/L	NC	20		
C072554	Strong Acid Dissoc. Cyanide (CN)	2025/09/04	NC	80 - 120	93	80 - 120	<0.00050	mg/L	0.68	20		
C072556	Weak Acid Dissoc. Cyanide (CN)	2025/09/04	100	80 - 120	98	80 - 120	<0.00050	mg/L	NC	20		
C072557	Free Free Cyanide	2025/09/04	100	80 - 120	99	80 - 120	<0.00050	mg/L	NC	20		
C072605	Total Organic Carbon (C)	2025/09/04	112	75 - 125	99	80 - 120	<0.20	mg/L	0.59	20		
C080213	Dissolved Organic Carbon (C)	2025/09/10	99	75 - 125	97	80 - 120	<0.50	mg/L	NC	20		



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VERITAS

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QUALITY ASSURANCE REPORT(CONT'D)

B2Gold Back River Corp.
Client Project #: B2GOLD NUNAVUT
Site Location: BACK RIVER MINE
Your P.O. #: 470000200
Sampler Initials: CG

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
C102178	Radium 226	2025/09/25			91	85 - 115	<0.0050	Bq/l				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Method blank exceeds acceptance limits, $2 \times$ RDL acceptable for low level analysis



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Bureau Veritas Job #: C573668
Report Date: 2025/09/26

B2Gold Back River Corp.
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Site Location: BACK RIVER MINE
Your P.O. #: 470000200
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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Blake Barber, Laboratory Manager



Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist



Bureau Veritas Certified by Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.

Edmonton, AB 4326 • 76 Avenue NW, T68 2T8 Toll Free (800) 338-2222

Chain of Custody Record
82GN ENV COC - OD013v6

Invoice Information		Invoice to (requires report)		0		Repon Information (fileds from In1to1ce)				Project Information	
Company:	B2Gold 81ck RM: Corp			Company:	B2Gold 81ck RM: Corp			Quot. title:			
Contract Name:	Chns LeGoLe			Contact Name:	Chns LeGoLe			P.O.#/AFEL:	4700000200		
Street Address:	Suite 3400666 Burnt/St			Street Address:	Suite 3400 666 Burnt/St			Project I:	B2Gold Nunavut		
City:	Vancouver	Prov:	BC	City:	BC	Postcode:	V6C2X6	Site:	Goose lake		
Phone:	1604.681.8371			Phone:	867.338.1349			Site Location:	Back Aiver Mine		
Email:	b2accounts@b2gold.com			Email:	b2gold@b2gold.com			Site Location Province:	Nunavut		
copies:	b2gold@b2gold.com			Copies:	b2gold@b2gold.com			Sampled By:	Connor G		



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