



BACK RIVER PROJECT

2023 Annual Report for

Water Licence 2BE-GOO2028

Prepared by
RainCoast Environmental Services Ltd.

For
B2Gold Back River Corp.

For Submission to
Nunavut Water Board

March 2024

BACK RIVER PROJECT

2023 2BE-GOO2028 Annual Report

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Acronyms

B2Gold Nunavut	B2Gold Back River Corp., known as B2Gold Nunavut, a subsidiary of B2Gold Corp.
CIRNAC	Crown Indigenous Relations and Northern Affairs Canada
KIA	Kitikmeot Inuit Association
The Licence	Water Licence 2BE-GOO2028
NIRB	Nunavut Impact Review Board
MLA	Marine Laydown Area
NWB	Nunavut Water Board
The Project	Back River Project
Sabina	Sabina Gold & Silver Corp.

- A summary report of water use and waste disposal;
- A list of unauthorized discharges and a summary of follow-up actions taken;
- Any revisions to plans under this Licence;
- A description of all progressive and or final reclamation work undertaken, if any, including photographic records of site conditions before, during and after completion of operations;
- A report of any artesian flow occurrences; and
- Any other details on water use or waste disposal requested by the Board.

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[illegible]

1. Introduction

This report to the Nunavut Water Board (NWB) has been prepared to summarize the project activities and monitoring undertaken by B2Gold Back River Corp. (B2Gold Nunavut) during 2023, in accordance with Part B, Item 2 of License 2BE-GOO2028 (the Licence). This License was renewed on Feb 17th, 2020 and will expire on February 18, 2028. The NWB Annual Report Form is provided in Appendix A.

Key activities associated with the Goose exploration project in 2023 are summarized as follows:

- Operation of the Goose Exploration Camp for exploration drilling and to support Water Licence 2AM-BRP1831 construction activities;
- Exploration drilling; and
- Drill site reclamation.

During 2023, fresh water was utilized for both exploration camp use and drilling activities. Potable water for the exploration camp was obtained from Goose Lake using a dedicated pump and transferred to water storage tanks at camp. Water for exploration drilling was obtained from Goose and Llama lakes.

Waste management included the handling of pack waste, domestic waste in an incinerator, hazardous waste and drill waste. Waste incineration and waste backhaul details are reported in the Annual Report for Water Licence 2AM-BRP1831.

Prior to seasonal cessation of drilling, B2Gold Nunavut reclaimed all 2023 drill sites. Materials removed from sites included any garbage, metal, and timbers, as well as anchors, and all casings were cut and capped. B2Gold Nunavut continues to exercise drilling procedures where sites are required to be cleaned up prior to completing the next drill site, and internal inspections are conducted to ensure that clean up procedures are occurring. B2Gold Nunavut intends to continue to cut and restore historic drill sites as part of regular programs. Ongoing reclamation programs will be documented as conducted in previous years.

Community consultation undertaken by B2Gold Nunavut in 2023 is outlined in the Annual Report for Water Licence 2AM-BRP1831.

2. Annual Report per Part B, Item 2

This section of the report has been constructed to address each of the requirements of Part B, Item 2 of the Licence. For ease of comparison, each subheading corresponds directly with the identically alphabetized subheading of Part B, Item 2 of Water Licence 2BE- GOO2028.

A. SUMMARY OF WATER USE AND WASTE DISPOSAL

Potable water was extracted from Goose Lake via an electrical submersible pump with a screened intake. This screened intake meets Department of Fisheries and Oceans Freshwater Intake End of Pipe Fish Screen Guidelines requirements. Water was pumped directly from Goose Lake via a pipe into holding tanks within the exploration camp. Prior to consumption, potable water is treated with filtration, chlorination, and UV disinfection. Appendix B summarizes daily water used for the Goose exploration camp, all of which was withdrawn from Goose Lake. Water was used daily from January 1 to December 31, 2023. Total annual camp water usage was 6,795 m³ and averaged 19 m³/day, with exceedances of the 30 m³/day camp water use allotment on 9 days in November and 3 days in December 2023 (see Appendix B). It is noted that total water use allotment was not exceeded on any day.

Drill water was obtained from Llama Lake and Goose Lake in 2023. Daily drill water usage is provided in Appendix C by water source. Exploration drilling took place from July 30 to December 10, 2023, with 1 to 5 drill rigs operating at a time. Due to an oversight, water use was not directly metered in 2023, but rather estimated based on a historical drill water usage rate of 38.38 m³/drill/day. The Licence specifies a daily water usage allowance of up to 267 m³ for drilling purposes; no exceedances of this allotment were identified. Total annual drill water usage was 20,264 m³.

Wastes disposed of under this Licence include greywater, latrine, non-hazardous and hazardous wastes and drill wastes. All Waste storage area locations are provided in Table 2.A-1. Greywater generated at the Goose exploration camp consists of waste streams collected from the kitchen and camp washing facilities (showers and laundry). Grease traps are installed within the kitchen which removes solid particles prior to discharge. Greywater is discharged at two tundra locations at the Goose exploration camp located at a site away from surface water. At the Goose exploration camp, latrine toilets (pacto toilets) are used and collected human waste is disposed of in camp incinerators.

Table 2.A-1. Goose Exploration Camp Waste Storage Locations

Description	UTM Coordinates (NAD83)		Latitude	Longitude
	Easting	Northing		
	(m)	(m)		
Goose Lake				
Grey Water Line	434,069	7,269,849	65°32'38.94"	106°25'38.35"
Grey Water Line #2	433,943	7,269,908	65°32'40.8"	106°25'48.3"
Incinerator	434,155	7,269,817	65°32'38.0"	106°25'31.6"
Hazardous Waste Backhaul Storage Area	433,840	7,270,021	65°32'44.3"	106°25'56.5"
Cuttings Trench (Reclaimed)	434,122	7,269,616	65° 32' 31.5"	106° 25' 33.8"
Cuttings Trench #2 (Reclaimed)	434,140	7,269,738	65° 32' 35.4"	106° 25' 32.6"
Cuttings Trench #3	434,120	7,269,738	65° 32' 35.3"	106° 25' 32.6"
Open Burn Pit	434,105	7,269,787	65°32'37.0"	106°25'35.4"
Hazardous Materials Storage Area	433,815	7,270,008	65°32'43.9"	106°25'58.4"
Goose Lake Fuel Farm	433,959	7,269,975	65°32'42.9"	106°25'47.2"

Major Drilling Oils/ Additives Location #1	434,079	7,269,648	65°32'32.5"	106°25'37.2"
Major Drilling Oils/ Additives Location #2	434,061	7,269,636	65°32'32.1"	106°25'38.6"

Non-hazardous waste streams consist of kitchen refuse, paper, recyclable food containers, cardboard and inert wood. Kitchen refuse and paper are disposed of in two-stage commercial incinerators daily. Plastic and metal food containers which were deemed appropriate for recycling are shipped off site to an approved disposal facility in Yellowknife.

A lined storage area was previously constructed where materials can be sorted and packaged to be shipped to Yellowknife. Once received in Yellowknife, KBL Environmental was retained to manage and properly dispose of hazardous wastes generated at the Goose exploration camp. Hazardous wastes generated at the Goose exploration site included waste hydrocarbon liquids, used batteries and contaminated soil. Empty fuel drums are either stored on site for further use or shipped back to the supplier for recycling purposes. Remaining hazardous materials are stored within a lined containment area for future shipment from site.

Types and quantities of all solid wastes generated at the Back River Project and incinerated, open burned, backhauled for disposal, or stored in the on-site Temporary Quarry Landfill, including from the Goose exploration site, are detailed in the Annual Report for Water Licence 2AM-BRP1831.

For drilling activities, sumps consisted of an excavated trench at the Goose exploration camp where drill cuttings were deposited. Coordinates of cuttings disposal sites are provided in Table 2.A-1.

The drilling program utilizes a poly drill system whereby brine was recirculated and cuttings were separated and collected in mega bags. Mega bags containing cuttings were kept in containment trays to ensure overflow or remaining brine did not contaminate the tundra. Once full, mega bags were transported to the designated disposal site by an overland vehicle or helicopter.

B. UNAUTHORIZED DISCHARGES

One spill meeting or exceeding the NWT/NU spill reporting thresholds occurred in 2023 for exploration activities covered under this Licence. The spill was a release of 1,100L of water and Total Suspended Solids (TSS) from the Major Shop Laydown area cuttings sump discovered on September 19th, 2023. The spill was reported to the NT/NU Spills Reporting Line, use of the sump was discontinued, and the sump berm was rebuilt and reinforced. Also see Section 2.F. of this report.

See the Type A Water Licence 2AM-BRP1831 Annual Report for a list of reportable spills associated with the Goose mine site in 2023.

C. MANAGEMENT PLAN REVISIONS

B2Gold Nunavut did not revise any management plans specific to this Licence in 2023.

D. PROGRESSIVE AND FINAL RECLAMATION

B2Gold Nunavut continues to exercise drilling procedures where sites are required to be cleaned up prior to initiating the next drill site, and internal inspections are conducted to ensure that clean up procedures are occurring. Restoration of historic drill sites will continue as practical. As in previous years, ongoing reclamation programs will continue to be documented.

E. ARTESIAN FLOWS

No artesian flows were encountered in 2023.

F. INFORMATION REQUESTS AND RESULTS OF MONITORING PROGRAM

Daily quantities of water used and wastes generated under this Licence are discussed in Section 2.A of this report. Project water source locations are provided in Table 2.F-1.

Personnel were on site at the Goose exploration camp year-round in 2023. No runoff to water was observed in association with exploration activities, and no sampling per Part J, Item 8 was required.

As no construction specific to this Licence took place in 2023, no construction-related sampling was conducted under this Licence. Note that construction activities related to 2AM-BRP1831 are outlined in the report for that licence.

CIRNAC conducted inspections of the Back River Project in both March and September of 2023, including the Goose Property. CIRNAC noted in their September 28, 2023 inspection that the cuttings sump at the Goose Major Shop Laydown area was not operating appropriately, and that the use of the sump should be discontinued until repaired. In addition to discontinuing use of the sump, B2 Gold Nunavut indicated in their response to CIRNAC that they intend to address and rectify concerns on or before May 1, 2024, when temperatures are more accommodating for proposed earthworks. B2Gold Nunavut also provided a summary of planned activities to the Inspector.

CIRNAC inspection reports can be found on the NWB public registry. It is noted that the above CIRNAC concern was noted by the Inspector against the Goose Type A Water Licence, but as it relates to exploration activities and Goose Exploration infrastructure, it has been reported in this this Type B Annual Report.

Table 2.F-1. Goose Exploration Project Water Source Locations

Description	UTM Coordinates (NAD83)		Latitude	Longitude
	Easting	Northing		
	(m)	(m)		
Goose Project				
Goose Camp Intake	434,129	7,269,996	65° 32' 43.7"N	106° 25' 34.0"W
Goose Neck	431,725	7,269,877	65° 32' 38.1"N	106° 28' 41.0"W
Goose Beak	431,391	7,269,957	65° 32' 40.4"N	106° 29' 07.1"W
Llama Lake	428,790	7,272,028	65° 33' 45.2"N	106° 32' 33.7"W
Umwelt Lake	428,921	7,270,948	65° 33' 10.5"N	106° 32' 21.5"W
Rascal Lake	434,038	7,267,812	65° 31' 33.1"N	106° 25' 37.1"W
Vega Lake	413,935	7,279,106	65° 37' 20.8"N	106° 52' 8.0"W
Vega Lake	413,691	7,279,432	65° 37' 31.1"N	106° 52' 27.9"W
Pigeon Lake	413,753	7,280,329	65° 38' 0.1"N	106° 52' 25.1"W

G. BOARD REQUESTS RE: WATER USE AND WASTE DISPOSAL

No requests related to water use or waste disposal were made by the Board in 2023 in relation to this Licence.

Appendix A NWB Annual Report Form

NWB Annual Report

Year being reported:

Select ▼

2023

License No: 2BE-GOO2028

Issued Date:

February 19, 2020

Expiry Date:

February 20, 2028

Project Name:

GOOSE LAKE, BACK RIVER PROJECT

Licensee:

B2Gold Nunavut

Mailing Address:

#1800 - 555 Burrard Street, Box 220, Vancouver, BC,
V7X 1M7

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

B2Gold Nunavut

General Background Information on the Project (*optional):

Licence Requirements: the licensee must provide the following information in accordance with

Part B ▼

Item 2 ▼

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):

Goose Lake, Llama Lake

Water Quantity:

30

Quantity Allowable Domestic (cu.m/day)

6,795

Actual Quantity Used Domestic (cu.m/yr)

267

Quantity Allowable Drilling (cu.m/day)

20,265

Total Quantity Used Drilling (cu.m/yr)

Waste Management and/or Disposal

☒ Solid Waste Disposal☒ Sewage☒ Drill Waste☒ Greywater☒ Hazardous☐ Other:

Additional Details:

See Sections 2.A and 2.G of the Annual Report.

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.:

(as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

See Section 2.B of the Report

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed



Additional Details:

See Section 2.C of Annual Report.

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed



Additional Details:

See Section 2.C of Annual Report.

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

See Section 2.D of Annual Report.

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Details attached



Additional Details:

See Section 2.F of the Annual Report.

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details attached



Additional Details:

See Section 2.A of the Annual Report.

Results of any additional sampling and/or analysis that was requested by an Inspector

No additional sampling requested by an Inspector or the Board ▼

Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

Additional sampling requested by an Inspector or the Board (See below) ▼

Additional Details: (Attached or provided below)

See Section 2.F of the Annual Report

Any responses or follow-up actions on inspection/compliance reports

Inspection Report received by the Licensee (Date): ▼

Additional Details: (Dates of Report, Follow-up by the Licensee)

See Section 2.F of the Annual Report

Any additional comments or information for the Board to consider**Date Submitted:**

March 31, 2024

Submitted/Prepared by:

Merle Keefe/Katsky Venter

Contact Information:**Tel:****Fax:****email:** mkeefe@b2gold.com

Appendix B Goose Daily Camp Water Usage

Table B-1 Daily Water Use for Goose Exploration Camp 2023

Date	Volume (m³)	Date	Volume (m³)	Date	Volume (m³)	Date	Volume (m³)	Date	Volume (m³)	Date	Volume (m³)	Date	Volume (m³)
January 1, 2023	17.7	February 24, 2023	18.2	April 19, 2023	20.7	June 12, 2023	21.0	August 5, 2023	16.4	September 28, 2023	18.0	November 21, 2023	26.9
January 2, 2023	17.5	February 25, 2023	12.4	April 20, 2023	20.0	June 13, 2023	26.7	August 6, 2023	19.3	September 29, 2023	20.1	November 22, 2023	20.1
January 3, 2023	16.5	February 26, 2023	16.0	April 21, 2023	18.2	June 14, 2023	28.1	August 7, 2023	17.9	September 30, 2023	19.9	November 23, 2023	20.7
January 4, 2023	16.3	February 27, 2023	20.3	April 22, 2023	19.5	June 15, 2023	20.5	August 8, 2023	17.5	October 1, 2023	18.6	November 24, 2023	26.0
January 5, 2023	17.6	February 28, 2023	20.0	April 23, 2023	22.0	June 16, 2023	21.4	August 9, 2023	20.4	October 2, 2023	18.9	November 25, 2023	30.6
January 6, 2023	16.8	March 1, 2023	17.2	April 24, 2023	20.9	June 17, 2023	21.2	August 10, 2023	16.6	October 3, 2023	9.5	November 26, 2023	34.6
January 7, 2023	16.1	March 2, 2023	23.5	April 25, 2023	19.8	June 18, 2023	21.0	August 11, 2023	15.9	October 4, 2023	9.9	November 27, 2023	33.0
January 8, 2023	16.7	March 3, 2023	18.0	April 26, 2023	22.3	June 19, 2023	20.0	August 12, 2023	13.4	October 5, 2023	9.7	November 28, 2023	30.8
January 9, 2023	16.9	March 4, 2023	23.5	April 27, 2023	22.8	June 20, 2023	22.0	August 13, 2023	14.2	October 6, 2023	8.0	November 29, 2023	31.3
January 10, 2023	16.2	March 5, 2023	18.8	April 28, 2023	21.2	June 21, 2023	21.3	August 14, 2023	19.1	October 7, 2023	8.8	November 30, 2023	22.8
January 11, 2023	17.1	March 6, 2023	18.8	April 29, 2023	18.3	June 22, 2023	19.7	August 15, 2023	18.2	October 8, 2023	6.2	December 1, 2023	22.2
January 12, 2023	17.6	March 7, 2023	20.6	April 30, 2023	19.5	June 23, 2023	25.1	August 16, 2023	18.2	October 9, 2023	8.9	December 2, 2023	41.9
January 13, 2023	17.9	March 8, 2023	19.8	May 1, 2023	21.1	June 24, 2023	27.0	August 17, 2023	18.0	October 10, 2023	10.7	December 3, 2023	16.6
January 14, 2023	17.6	March 9, 2023	18.7	May 2, 2023	22.8	June 25, 2023	22.0	August 18, 2023	18.0	October 11, 2023	8.7	December 4, 2023	30.1
January 15, 2023	17.4	March 10, 2023	19.9	May 3, 2023	22.5	June 26, 2023	22.1	August 19, 2023	19.6	October 12, 2023	10.2	December 5, 2023	23.4
January 16, 2023	18.3	March 11, 2023	19.8	May 4, 2023	21.1	June 27, 2023	26.9	August 20, 2023	17.9	October 13, 2023	8.7	December 6, 2023	25.7
January 17, 2023	16.7	March 12, 2023	18.5	May 5, 2023	20.2	June 28, 2023	23.0	August 21, 2023	17.9	October 14, 2023	8.8	December 7, 2023	49.5
January 18, 2023	17.3	March 13, 2023	18.3	May 6, 2023	19.9	June 29, 2023	23.8	August 22, 2023	-3.7	October 15, 2023	9.9	December 8, 2023	20.1
January 19, 2023	16.9	March 14, 2023	24.7	May 7, 2023	20.3	June 30, 2023	22.4	August 23, 2023	15.0	October 16, 2023	12.0	December 9, 2023	23.4
January 20, 2023	16.9	March 15, 2023	18.9	May 8, 2023	20.1	July 1, 2023	23.5	August 24, 2023	12.0	October 17, 2023	9.3	December 10, 2023	17.5
January 21, 2023	16.5	March 16, 2023	20.7	May 9, 2023	20.0	July 2, 2023	23.1	August 25, 2023	13.6	October 18, 2023	10.5	December 11, 2023	19.3
January 22, 2023	17.3	March 17, 2023	19.0	May 10, 2023	24.1	July 3, 2023	22.0	August 26, 2023	12.0	October 19, 2023	9.2	December 12, 2023	9.6
January 23, 2023	18.1	March 18, 2023	19.9	May 11, 2023	19.0	July 4, 2023	23.4	August 27, 2023	18.2	October 20, 2023	6.8	December 13, 2023	11.4
January 24, 2023	19.5	March 19, 2023	20.7	May 12, 2023	20.7	July 5, 2023	24.0	August 28, 2023	18.8	October 21, 2023	7.6	December 14, 2023	6.3
January 25, 2023	19.9	March 20, 2023	18.6	May 13, 2023	24.3	July 6, 2023	24.4	August 29, 2023	17.0	October 22, 2023	5.5	December 15, 2023	4.9
January 26, 2023	14.8	March 21, 2023	20.3	May 14, 2023	24.6	July 7, 2023	24.1	August 30, 2023	13.1	October 23, 2023	3.1	December 16, 2023	5.8
January 27, 2023	19.7	March 22, 2023	20.4	May 15, 2023	24.2	July 8, 2023	26.0	August 31, 2023	19.8	October 24, 2023	9.3	December 17, 2023	14.5
January 28, 2023	17.8	March 23, 2023	19.5	May 16, 2023	24.7	July 9, 2023	24.0	September 1, 2023	18.2	October 25, 2023	12.1	December 18, 2023	8.2
January 29, 2023	17.8	March 24, 2023	20.1	May 17, 2023	24.2	July 10, 2023	25.0	September 2, 2023	17.9	October 26, 2023	6.0	December 19, 2023	5.8
January 30, 2023	14.4	March 25, 2023	21.0	May 18, 2023	24.9	July 11, 2023	25.7	September 3, 2023	17.0	October 27, 2023	8.9	December 20, 2023	5.4
January 31, 2023	15.4	March 26, 2023	20.2	May 19, 2023	24.9	July 12, 2023	25.7	September 4, 2023	16.0	October 28, 2023	6.1	December 21, 2023	5.5
February 1, 2023	19.8	March 27, 2023	20.7	May 20, 2023	24.7	July 13, 2023	22.6	September 5, 2023	19.1	October 29, 2023	12.1	December 22, 2023	5.8
February 2, 2023	19.3	March 28, 2023	20.6	May 21, 2023	24.0	July 14, 2023	23.2	September 6, 2023	17.9	October 30, 2023	10.8	December 23, 2023	6.7
February 3, 2023	19.0	March 29, 2023	20.4	May 22, 2023	24.0	July 15, 2023	24.0	September 7, 2023	16.0	October 31, 2023	6.1	December 24, 2023	7.4
February 4, 2023	18.8	March 30, 2023	20.7	May 23, 2023	24.3	July 16, 2023	23.0	September 8, 2023	17.1	November 1, 2023	5.7	December 25, 2023	4.9
February 5, 2023	16.5	March 31, 2023	20.2	May 24, 2023	24.1	July 17, 2023	21.8	September 9, 2023	23.9	November 2, 2023	16.1	December 26, 2023	5.1
February 6, 2023	12.4	April 1, 2023	20.1	May 25, 2023	24.7	July 18, 2023	21.4	September 10, 2023	15.7	November 3, 2023	10.3	December 27, 2023	3.4
February 7, 2023	18.5	April 2, 2023	20.6	May 26, 2023	22.7	July 19, 2023	24.1	September 11, 2023	14.0	November 4, 2023	20.4	December 28, 2023	4.1
February 8, 2023	19.5	April 3, 2023	20.4	May 27, 2023	21.9	July 20, 2023	24.0	September 12, 2023	15.7	November 5, 2023	34.0	December 29, 2023	4.9
February 9, 2023	15.1	April 4, 2023	20.0	May 28, 2023	20.6	July 21, 2023	17.8	September 13, 2023	15.3	November 6, 2023	36.4	December 30, 2023	3.5
February 10, 2023	14.3	April 5, 2023	19.2	May 29, 2023	20.1	July 22, 2023	22.8	September 14, 2023	17.5	November 7, 2023	28.0	December 31, 2023	5.6
February 11, 2023	9.8	April 6, 2023	20.4	May 30, 2023	20.4	July 23, 2023	29.1	September 15, 2023	15.8	November 8, 2023	32.8	Total (m³) 6,795	
February 12, 2023	16.5	April 7, 2023	21.0	May 31, 2023	19.9	July 24, 2023	21.8	September 16, 2023	17.2	November 9, 2023	25.6	Note: grey shading indicates an exceedance of camp water use allotment of 30 m3/day	
February 13, 2023	15.4	April 8, 2023	20.7	June 1, 2023	19.0	July 25, 2023	22.1	September 17, 2023	15.1	November 10, 2023	26.9		
February 14, 2023	12.8	April 9, 2023	20.0	June 2, 2023	19.9	July 26, 2023	24.3	September 18, 2023	15.9	November 11, 2023	46.1		
February 15, 2023	14.3	April 10, 2023	21.5	June 3, 2023	20.8	July 27, 2023	26.7	September 19, 2023	20.6	November 12, 2023	33.1		
February 16, 2023	14.9	April 11, 2023	20.8	June 4, 2023	19.0	July 28, 2023	18.9	September 20, 2023	14.0	November 13, 2023	18.6		
February 17, 2023	14.6	April 12, 2023	20.2	June 5, 2023	20.5	July 29, 2023	18.6	September 21, 2023	19.7	November 14, 2023	19.6		
February 18, 2023	14.8	April 13, 2023	19.8	June 6, 2023	19.5	July 30, 2023	19.4	September 22, 2023	18.0	November 15, 2023	23.3		
February 19, 2023	19.2	April 14, 2023	20.9	June 7, 2023	16.8	July 31, 2023	15.2	September 23, 2023	16.3	November 16, 2023	25.9		
February 20, 2023	15.9	April 15, 2023	20.3	June 8, 2023	21.3	August 1, 2023	22.8	September 24, 2023	15.7	November 17, 2023	22.4		
February 21, 2023	14.9	April 16, 2023	20.0	June 9, 2023	24.2	August 2, 2023	16.4	September 25, 2023	14.4	November 18, 2023	17.8		
February 22, 2023	20.0	April 17, 2023	20.7	June 10, 2023	19.3	August 3, 2023	17.5	September 26, 2023	13.8	November 19, 2023	25.3		
February 23, 2023	15.3	April 18, 2023	20.3	June 11, 2023	21.6	August 4, 2023	20.0	September 27, 2023	18.3	November 20, 2023	25.9		

Appendix C Goose Daily Drill Water Usage

Table C-1 Goose Exploration Daily Water Use for 2023

Date	Daily Water Use (m ³) from Goose Lake	Daily Water Use (m ³) from Llama Lake	Total Daily Water Use (m ³)
(no drilling Jan 1 - July 29)			
July 30, 2023		38.38	38.38
July 31, 2023		38.38	38.38
August 1, 2023		115.14	115.14
August 2, 2023		115.14	115.14
August 3, 2023		115.14	115.14
August 4, 2023		115.14	115.14
August 5, 2023		115.14	115.14
August 6, 2023		115.14	115.14
August 7, 2023		115.14	115.14
August 8, 2023		115.14	115.14
August 9, 2023		115.14	115.14
August 10, 2023		115.14	115.14
August 11, 2023		115.14	115.14
August 12, 2023		115.14	115.14
August 13, 2023		115.14	115.14
August 14, 2023		115.14	115.14
August 15, 2023		115.14	115.14
August 16, 2023	38.38	115.14	153.52
August 17, 2023	38.38	115.14	153.52
August 18, 2023	38.38	115.14	153.52
August 19, 2023	38.38	115.14	153.52
August 20, 2023	38.38	115.14	153.52
August 21, 2023	38.38	115.14	153.52
August 22, 2023	38.38	115.14	153.52
August 23, 2023	38.38	115.14	153.52
August 24, 2023	38.38	115.14	153.52
August 25, 2023	38.38	115.14	153.52
August 26, 2023		115.14	115.14
August 27, 2023		115.14	115.14
August 28, 2023		115.14	115.14
August 29, 2023		153.52	153.52
August 30, 2023	38.38	115.14	153.52
August 31, 2023	76.76	115.14	191.9
September 1, 2023	76.76	115.14	191.9
September 2, 2023	76.76	115.14	191.9
September 3, 2023	76.76	115.14	191.9
September 4, 2023	76.76	115.14	191.9
September 5, 2023	76.76	115.14	191.9
September 6, 2023	76.76	115.14	191.9

September 7, 2023	76.76	115.14	191.9
September 8, 2023	38.38	115.14	153.52
September 9, 2023	38.38	115.14	153.52
September 10, 2023	38.38	115.14	153.52
September 11, 2023	38.38	115.14	153.52
September 12, 2023	38.38	115.14	153.52
September 13, 2023	38.38	115.14	153.52
September 14, 2023	38.38	115.14	153.52
September 15, 2023	38.38	153.52	191.9
September 16, 2023	38.38	153.52	191.9
September 17, 2023	38.38	153.52	191.9
September 18, 2023	38.38	153.52	191.9
September 19, 2023	38.38	153.52	191.9
September 20, 2023	38.38	153.52	191.9
September 21, 2023	38.38	153.52	191.9
September 22, 2023	38.38	153.52	191.9
September 23, 2023	38.38	115.14	153.52
September 24, 2023	38.38	153.52	191.9
September 25, 2023	38.38	153.52	191.9
September 26, 2023	38.38	153.52	191.9
September 27, 2023	38.38	153.52	191.9
September 28, 2023	38.38	153.52	191.9
September 29, 2023	38.38	153.52	191.9
September 30, 2023	38.38	153.52	191.9
October 1, 2023	38.38	153.52	191.9
October 2, 2023	38.38	153.52	191.9
October 3, 2023	38.38	153.52	191.9
October 4, 2023	38.38	153.52	191.9
October 5, 2023	38.38	115.14	153.52
October 6, 2023	38.38	115.14	153.52
October 7, 2023	76.76	115.14	191.9
October 8, 2023	76.76	115.14	191.9
October 9, 2023	76.76	115.14	191.9
October 10, 2023	76.76	115.14	191.9
October 11, 2023	76.76	115.14	191.9
October 12, 2023	76.76	115.14	191.9
October 13, 2023	76.76	115.14	191.9
October 14, 2023	38.38	153.52	191.9
October 15, 2023	38.38	153.52	191.9
October 16, 2023		153.52	153.52
October 17, 2023		153.52	153.52
October 18, 2023		153.52	153.52
October 19, 2023		153.52	153.52
October 20, 2023		153.52	153.52

October 21, 2023		153.52	153.52
October 22, 2023		153.52	153.52
October 23, 2023		153.52	153.52
October 24, 2023		153.52	153.52
October 25, 2023		153.52	153.52
October 26, 2023		153.52	153.52
October 27, 2023		153.52	153.52
October 28, 2023		153.52	153.52
October 29, 2023		153.52	153.52
October 30, 2023		153.52	153.52
October 31, 2023		153.52	153.52
November 1, 2023		153.52	153.52
November 2, 2023		153.52	153.52
November 3, 2023		153.52	153.52
November 4, 2023		153.52	153.52
November 5, 2023		153.52	153.52
November 6, 2023		153.52	153.52
November 7, 2023		153.52	153.52
November 8, 2023		153.52	153.52
November 9, 2023		153.52	153.52
November 10, 2023		153.52	153.52
November 11, 2023		153.52	153.52
November 12, 2023		153.52	153.52
November 13, 2023		153.52	153.52
November 14, 2023		153.52	153.52
November 15, 2023		153.52	153.52
November 16, 2023		115.14	115.14
November 17, 2023	38.38	115.14	153.52
November 18, 2023	38.38	115.14	153.52
November 19, 2023	38.38	115.14	153.52
November 20, 2023	38.38	115.14	153.52
November 21, 2023	38.38	115.14	153.52
November 22, 2023	38.38	115.14	153.52
November 23, 2023	38.38	115.14	153.52
November 24, 2023	38.38	115.14	153.52
November 25, 2023	38.38	115.14	153.52
November 26, 2023	38.38	115.14	153.52
November 27, 2023	38.38	115.14	153.52
November 28, 2023	38.38	115.14	153.52
November 29, 2023	38.38	115.14	153.52
November 30, 2023	38.38	115.14	153.52
December 1, 2023	38.38	76.76	115.14
December 2, 2023	38.38	76.76	115.14
December 3, 2023	38.38	76.76	115.14

December 4, 2023	38.38	76.76	115.14
December 5, 2023	38.38	76.76	115.14
December 6, 2023		76.76	76.76
December 7, 2023		38.38	38.38
December 8, 2023		38.38	38.38
December 9, 2023		38.38	38.38
December 10, 2023		38.38	38.38
(end of drilling)			
Annual Total (m³):			20,264.6