CULLATON LAKE GOLD MINES LTD.

WATER LICENCE 1BR-CUL1828

ANNUAL WATER LICENCE REPORT 2021

PREPARED on behalf of:

BARRICK GOLD INC.

By P.J. Brugger and Associates
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March 2022

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- ᐅᕐᑯᓂᖓᓂᒃ ᖃᐅᔨᓴᕐᓂᐅᑎᓂ T2 ᐊᒻᒪᓗ T4 ᓯᕗᓕᓯᓚᐅᕐᓗᒃ ᐅᒪᔪᒧᑦ ᐱᖓᓱᓂᕐᕆᑦ. ᐱᓇᓴᐅᓂᐊᕐᓗᒃ 2022-ᒥ.

ᐃᒥᖅ ᖃᐄᖓᓂᒋᑐᖅ ᐱᐅᑎᒋᓂᖓ ᖃᐅᔨᓴᕐᓂᖅ ᐊᒻᒪᓗ ᐅᓴᕐᖓ ᐅᓴᖅᑕᕆᔨᐅᔪᒥ ᑯᔪᓂᐊᕐᑐᑦᖅ 2022, ᐋᖅᑭᒃᓯᒪᔪᓂ ᒪᓕᒃᓗᑎᓂ ᐊᕐᕌᒍ ᒪᑭᐅ ᐊᓂᔪᕐᖓᑕ, ᐊᒻᒪᓗ ᐊᕐᕌᒍ ᑎᕿᒪᐃᓂ ᐃᕐᖃᓕᑦ ᐅᖃᐊᕐᓯᒋᑎᓂ ᒪᓕᒃᓗᑎᓂ ᑎᑎᕋᕐᓯᒪᔪᓂ ᐊᓗᐊᕐᓯᒋᑎᒃᑲ ᐊᐅᓚᑕᐅᓂᒃᑯᓕᓂ ᐸᕐᓇᐅᑎ. ᒥᑕᕐᕆᒃ ᐱᑭᕐᓗᓂᒃ ᐋᓴᐃᓂᐊᕐᒥᓪᓚ, ᐱᓴᓱᑕᐅᓪᓗᓂᓗ ᒥᑕᕐᕆᖓᒥ ᐅᕐᑯᐃᕕᒃ ᐃᒃᓗᕐᓭᖅ. ᐱᓴᓱᑕᐅᔪᓂ ᐃᒃᓗᕐᓭᖅ ᐱᕐᑐᐃᓐᓇᖅᑐᑦ ᐊᑭᐅᖅᑕᕐᓂᖅ.

EXECUTIVE SUMMARY

The Cullaton Lake Gold mine is a recognized closed mine site located in the southern part of the Kivalliq Region in the Nunavut Territory. The property is 645 km north of Thompson, Manitoba and 250 km west of Arviat, Nunavut.

The 2021 site activities consisted of one site visit from September 6th to September 11th, 2021, to perform a general site inspection, continue airstrip maintenance and initiate construction of a replacement survival shelter at the airstrip.

Summarized, the results of the site inspection indicate that:

- The site remains in good condition.
- The tailings storage facility continues to remain stable. The water level in the pond remains low but has risen approximately 5cm above the last measurement in September 2020.
- Thermistor casings T2 and T4 were found damaged due to animal activity. Repairs will be made in 2022.

Surface water quality monitoring and the site geotechnical inspection will resume in 2022, as per the biennial schedule, along with the 4-year anniversary benthic and sediment study as outlined in the approved Adaptive Management Plan. Airstrip brush removal will also continue, along with finishing work on the replacement airstrip survival shelter. The old shelter will be stripped and burned following transition to the new shelter.

1.0 SITE BACKGROUND / LOCATION

Cullaton Lake Gold Mines Ltd. is a wholly owned subsidiary of Barrick Gold Inc. (Barrick) which in turn is a wholly owned subsidiary of Barrick Gold Corporation.

The Cullaton Lake Gold mine is a recognized closed mine site located in the south central part of the Kivalliq Region in the Nunavut Territory. The property is 250 km west of Arviat, Nunavut, 400 km northwest of Churchill, Manitoba, and 645 km north of Thompson, Manitoba (see Figure 1). The mine was in operation for four years from 1981 to 1985. Following operation, the mine was in a care and maintenance mode from 1985 to 1991.

1.1 CLOSURE AND POST CLOSURE MAINTENANCE HISTORY

Decommissioning was initiated in 1991 with the rehabilitation of Tailings Pond No. 1, which included construction of a spillway in the dam and the covering of exposed tailings with water or till/mine rock. In addition, the water level in Tailings Pond No. 2 (the polishing pond) was lowered by partial removal of the dam (see Figures 2 and 3 for site features and historic monitoring locations).

Between 1991 and 1993, the freshwater intake, pump house and pipelines at the old diamond drill camp on the Kognak River were dismantled and removed. In 1995 and 1996 the mill buildings were dismantled. Some of the inert, non-salvageable material was crushed and placed in the quarry pit. In 1997, additional cover material was placed over the tailings area and the area was seeded and fertilized with a special arctic seed mix, along with the former mill site. During the winter of 1998/99 some salvageable equipment and material was removed from the property.

During the summer of 2001, all remaining inert material was placed in the former quarry pit and covered with till. All waste oils and hydraulic fluids, as well as tires and batteries were removed from equipment prior to burial and subsequently airlifted to Thompson, Manitoba for proper disposal. In addition, low grade waste rock at the Shear Lake Portal area that had been determined to be acid generating was collected and encapsulated in till adjacent to the portal.

During the 2005 annual inspection, minor maintenance items identified during the 2004 inspection were corrected. These included a second application of seed and fertilizer on the Encapsulated Waste Rock (EWR) cover at Shear Lake and erosion repairs to the EWR cover, Tailings Pond No. 1 spillway and the quarry pit landfill cover.

During the 2006 annual inspection, a small above-water exposed section of rubber liner on the upstream side of the tailings dam south of the No.1 Spillway was removed.

In response to a request from Barrick in 2006 to return the property to the crown, Indian and Northern Affairs Canada (now Crown – Indigenous Relations and Northern Affairs Canada (CIRNAC)) initiated a review to assess closure conditions. CIRNAC visited the site in Sept 2006 and commissioned BGC Consulting Ltd. (BGC) to conduct a desk top review of the closure history and monitoring results.

The BGC report indicated for a variety of reasons that CIRNAC should not accept return of the property. In response, CIRNAC, BGC, Barrick and Trow Consulting (now EXP

Services Inc.) personnel met on the site during the 2007 annual inspection on July 5, to discuss the report findings and confirm a newly identified pH issue at Shear Lake. In addition, Barrick volunteered to complete an Ecological Risk Assessment (ERA) to determine a) whether the mitigation efforts at Cullaton Lake have adequately addressed the requirements of the approved 1996 Abandonment and Reclamation Plan, and b) whether the new ARD issue at Shear Lake is having any significant ecological effects.

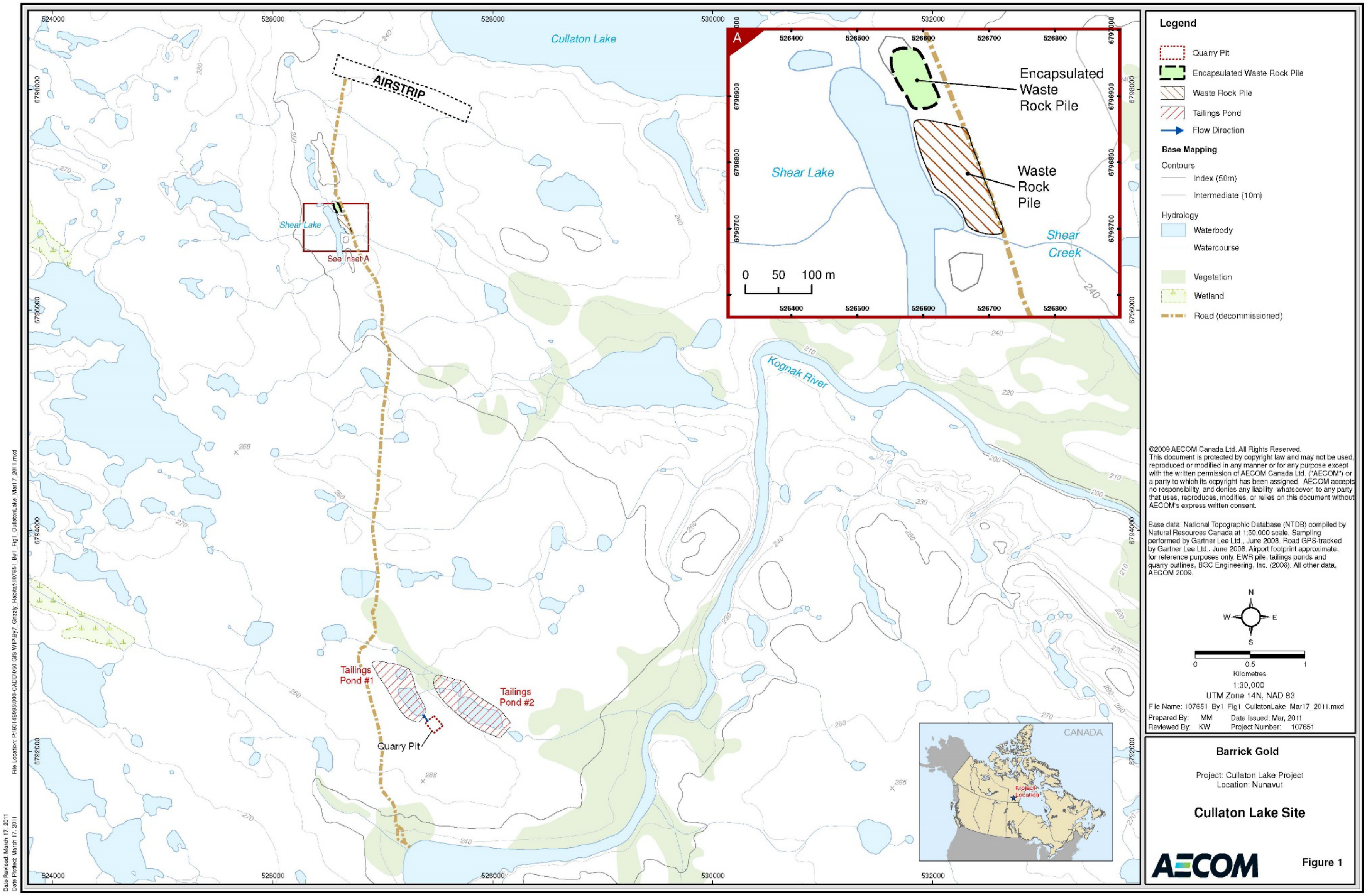
In 2008 Barrick and Gartner Lee personnel visited the site on 4 occasions to collect field data for completing the ERA. During the August trip, a minor amount of scrap metal was also retrieved from the north bank of the Kognak river and from the former bunkhouse area.

The ERA was finalized and submitted to CIRNAC in August 2009. The report indicated that the surface waters at the site were not significantly impacted by the former mine operation or existing conditions. The findings were not acknowledged by CIRNAC. In April 2014, CIRNAC issued a response letter to Barrick's request to return the property to the Crown, re-stating recommendations outlined by BGC in their March 2007 report. Following a subsequent meeting between the Nunavut Water Board, CIRNAC and Barrick in Iqaluit in April 2015, Barrick proposed by letter dated June 11, 2015 (the June 2015 Letter) to undertake several of the recommendations in the April 2014 letter, including the completion of a Dam Safety Review, a financial assurance review and regular airstrip maintenance; and proposed to initiate an adaptive monitoring plan involving additional water quality and benthic /sediment monitoring aimed at producing additional support for the ERA. Barrick also indicated in the June 2015 letter that it will not be seeking to relinquish the property to the government for the immediate future.

The Dam Safety Review was completed by Thurber Engineering and submitted to CIRNAC and the NWB in August 2016. Airstrip maintenance was initiated in 2015. Additional biological field work to support the adaptive monitoring plan was completed in 2016.

In 2017 a drone aerial survey was conducted to gather additional data for generating up-to-date site plans and remote historic refuse identified proximate to the site by CIRNAC was collected and stored at the airstrip for removal in 2018.

A new Closure and Reclamation Plan (C&R Plan) was developed and submitted on June 30th, 2017, pursuant to the action plan outlined in the 2016 CIRNAC water license inspection report and based on the adaptive monitoring plan proposed by Barrick in 2015. Following several discussions between Barrick and CIRNAC throughout 2018, principally on the amount of Financial Assurance required to implement the plan, the new C&R Plan was accepted and renewal Water License 1BR-CUL1828 was issued on October 15th, 2018. Site monitoring and maintenance as outlined in the water license has continue since then.



Cullaton Lake
AIRSTRIP
Shear Lake
See Inset A
Kognak River
Tailings Pond #1
Tailings Pond #2
Quarry Pit
A
Encapsulated Waste Rock Pile
Waste Rock Pile
Shear Lake
Shear Creek
0 50 100 m
Legend
Quarry Pit
Encapsulated Waste Rock Pile
Waste Rock Pile
Tailings Pond
Flow Direction
Base Mapping
Contours
Index (50m)
Intermediate (10m)
Hydrology
Waterbody
Watercourse
Vegetation
Wetland
Road (decommissioned)
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Base data: National Topographic Database (NTDB) compiled by Natural Resources Canada at 1:50,000 scale. Sampling performed by Gartner Lee Ltd., June 2008. Road GPS-tracked by Gartner Lee Ltd., June 2008. Airport footprint approximate for reference purposes only. EWR pile, tailings ponds and quarry outlines, BGC Engineering, Inc. (2006). All other data, AECOM 2009.
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W
E
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0 0.5 1
Kilometres
1:30,000
UTM Zone 14N, NAD 83
File Name: 107651_By1_Fig1_CullatonLake_Mar17_2011.mxd
Prepared By: MM Date Issued: Mar, 2011
Reviewed By: KW Project Number: 107651
CANADA
Project Location
Barrick Gold
Project: Cullaton Lake Project
Location: Nunavut
Cullaton Lake Site
AECOM
Figure 1

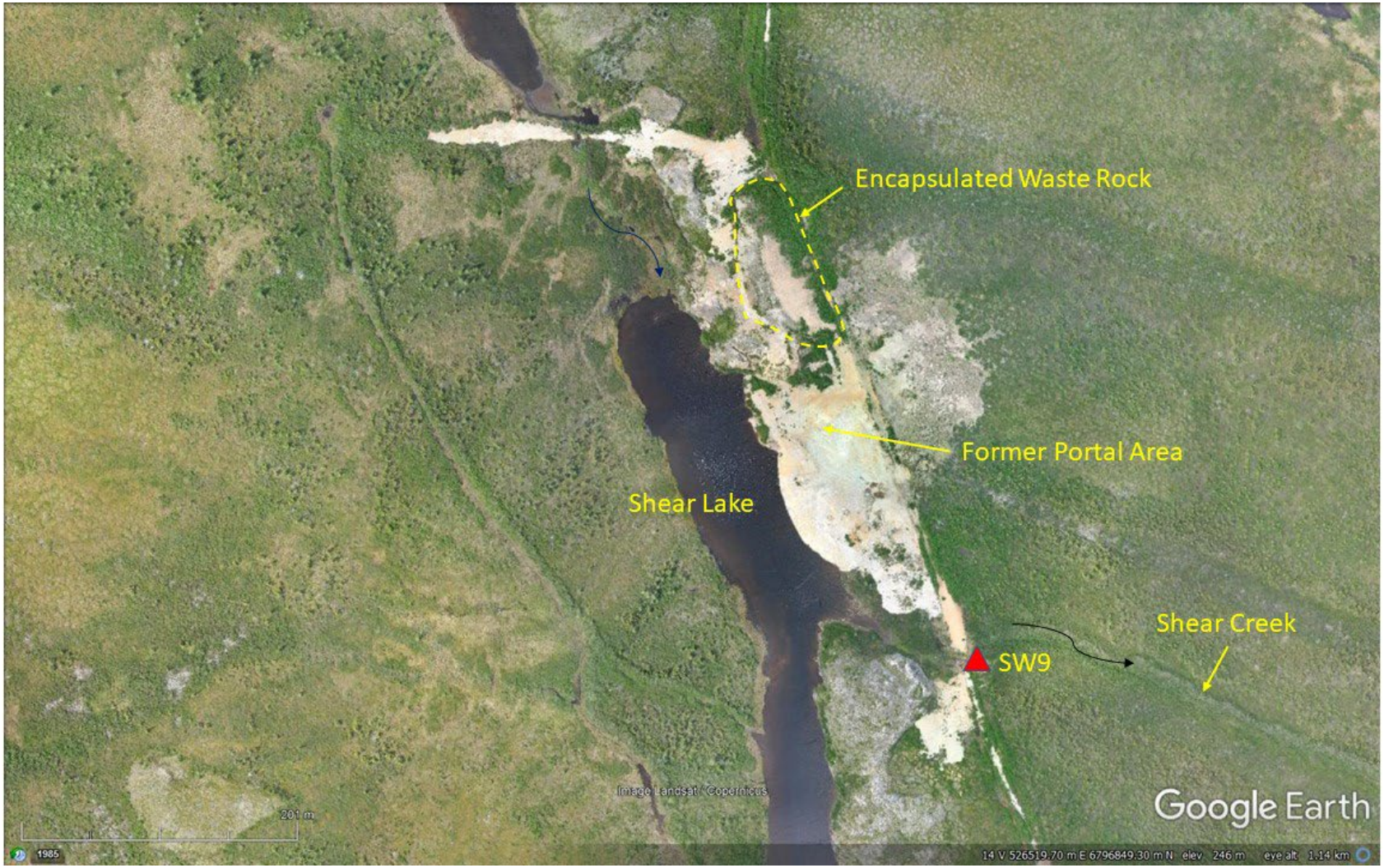
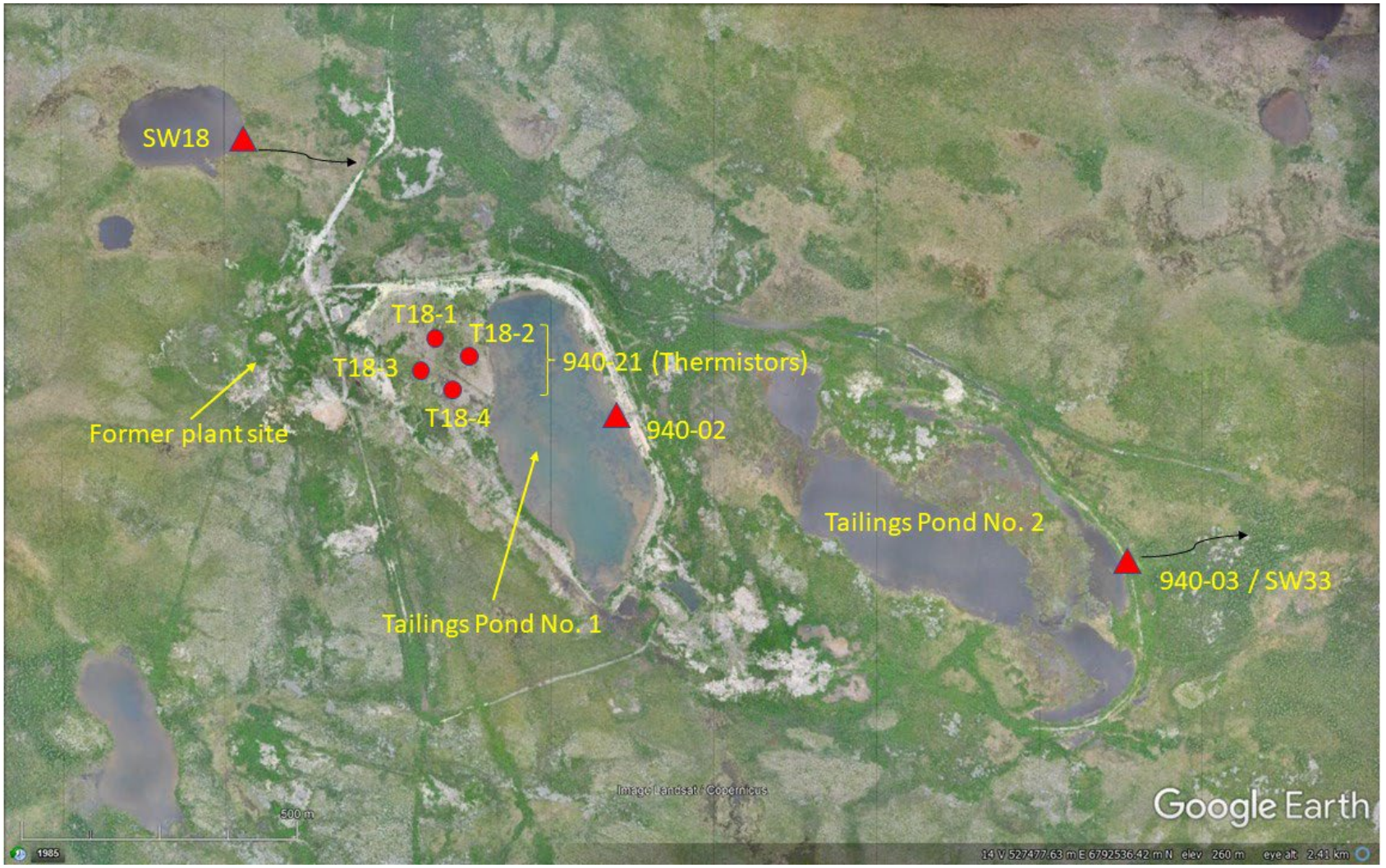


Figure 2: Cullaton Lake Shear Lake site showing features and surface water monitoring location.


SW18
T18-1
T18-2
T18-3
T18-4
940-21 (Thermistors)
Former plant site
940-02
Tailings Pond No. 2
940-03 / SW33
Tailings Pond No. 1
Image Landsat / Copernicus
Google Earth
500 m
1985
14 V 527477.63 m E 6792536.42 m N elev 260 m eye alt 2.41 km

2.0 WATER LICENCE SUPPLEMENTAL CONDITIONS AND NOTES

Management of Cullaton Lake is conducted pursuant to Water Licence 1BR-CUL1828, which was issued on October 15th, 2018 to renew previously issued license number 1BR-CUL1118. The following provides a historic summary of supplemental conditions and notes pursuant to previous licences:

Name Change:

On November 13, 2003, application was made to the Nunavut Water Board to change the name on Licence NWB1CUL0207 from Homestake Canada Inc. to Barrick Gold Inc. to reflect changes resulting from the 2001 merger of Barrick Gold Corporation and Homestake Mining Company.

Amendment for Encapsulated Waste Rock at Shear Lake:

Part F, Item 5 of Licence NWB1CUL0207 required submission of an application for amendment to the approved Abandonment and Restoration Plan by January 1, 2003 (subsequently extended to March 31, 2003) for the new waste rock disposal area on the shores of Shear Lake. The application for amendment with supporting documentation was submitted to the Nunavut Water Board on March 31, 2003. The amendment was granted on June 6, 2005. In addition, station 940-25 was removed from the monitoring program and replaced with station 940-27, intended to monitor any seepage from the encapsulated waste rock down-gradient to Shear Lake Creek.

The amendment required that suitable as-built drawings for the encapsulated waste rock be submitted within 6 months of the date of the amendment. Drawings were submitted on Dec 5, 2005.

The amendment also required that Section 4.4 of the Approved Abandonment and Restoration Plan be revised to incorporate the latest information with respect to the closure of the Shear Lake Waste Rock disposal area. The revision was submitted concurrent with the 2005 Annual Report.

Contingency Plan to Address Seepage Issues at the Encapsulated Waste Rock

Part F, Item 6, Amendment No. 1 of Licence NWB1CUL0207 required the submission of a Contingency Plan to address the potential of the permafrost not to re-aggrade into the waste rock pile / cover as anticipated, the clogging of the passive treatment system due to the relatively flat terrain and the remediation or mitigation of sediments contaminated with levels of metals in excess of CCME guidelines due to seepage from the encapsulated waste rock pile. The contingency plan for clogging of the passive treatment system and contamination remediation was submitted concurrent with the 2005 Annual Report and under separate cover. In the same document Barrick requested that the requirement for a Contingency Plan to address the possibility of permafrost not re-aggrading into the waste rock be deleted from the Licence since this condition was identified as an “added benefit” and not a design parameter as specified by URS [1].

[1] Assessment of Closure Options and Impacts, Shear Lake Zone Waste Rock Dump, Cullaton Lake Mine Nunavut, March 2003, URS Norecol, Dames & Moore Inc.

Amendment for Encapsulated Waste Rock Thermistors:

Water Licence NWB1CUL0207 required the installation of thermistors in the encapsulated waste rock at Shear Lake. An unsuccessful attempt to install the thermistors was made in July 2003. A report detailing this attempt was submitted to the Nunavut Water Board on November 25, 2003 and requested that this requirement be removed from the Licence. The request was granted on June 6, 2005 and station 940-26 was removed from the monitoring program.

Site Map:

Part G, Item 4a of Licence NWB1CUL0207 required submission to the Board of a Site Map of the Project Environmental Impact Area with active Surveillance Network Program (SNP) Stations within 60 days of issuance of the Licence. The required site map was submitted to the Nunavut Water Board on December 16, 2002.

GPS Coordinates:

Part G, Item 4b of Licence NWB1CUL0207 required submission of GPS coordinates of all surface and subsurface sampling points. The required GPS coordinates were submitted to the Nunavut Water Board on August 29, 2003.

Miscellaneous:

The NWB noted the following in their October 10, 2006 review of the 2005 Annual Water Licence report:

1. While the 2004 reported detection limit for nickel had been lowered as previously requested, the detection limit for arsenic was now higher than previously reported (1μg/l compared to 0.1 μg/l). To clarify the issue the NWB requested that detection limits proposed for the 2007 monitoring be included in the 2006 annual report.

ALS Environmental has been engaged since 2014 and detection limits have been adjusted slightly to reflect their standard. The new detection limits are:

Licence Parameter	Method Detection Limit
Total Suspended Solids	3 mg/l
Total Cyanide	0.002 mg/l
Total Arsenic	1 μg/l
Total Copper	1 μg/l
Total Lead	1 μg/l
Total Mercury	0.000005 mg/l
Total Nickel	2 μg/l
Total Zinc	3 μg/l

2. The NWB commented on the 2005 anomalous zinc value from the Quarry Pit water cover station 940-23 (.065 mg/l). Follow-up annual monitoring for the period 2005 to 2018 indicated zinc values ranged from a low of 0.006mg/l to 0.065 mg/l with a 14-year average of 0.022mg/l. The CCME objective of 0.030 mg/l was exceeded twice during the 14-year period: the original exceedance of 0.065 mg/l in 2005 and a second exceedance of 0.0504 in 2012. Elevated zinc levels are attributed to the presence of the solid metal waste buried in the quarry pit landfill. The quarry pit water cover does not discharge.

3. The NWB requested that the Spill Response Plan contact number for the INAC Water Resources Inspector be changed.

   The required change was made to the 2006 and subsequent versions.

   On review of the 2008 annual report, the NWB requested that the NT-NU spill report form be included with the spill contingency plan. The form was included with the 2009 plan and subsequent plans.

4. The NWB requested that water quality and thermistor data be also provided in Excel format, in order to allow for easier data analysis.

   The 2006 data was provided in Excel format via e-mail on October 12, 2006. Subsequent results in Excel format are provided concurrent with the annual reports for years in which monitoring takes place.

Water Licence 1BR-CUL1118 included a recommendation by Environment Canada and INAC to replace the non-functioning tailings cover thermistors. The 4 thermistors on the tailings cover were replaced in September 2018.

Part C, Item 1 of Water Licence 1BR-CUL1828 required the submission of security in the amount of $3,702,660 by November 15th, 2018. The security was submitted to the NWB and CIRNAC as a bond on November 15th, but with subsequent revisions requested by CIRNAC, it was approved as an amendment to the original Standby Letter of Credit on June 20th, 2019.

3.0 2021 ACTIVITIES

The 2021 site visit was conducted from September 6th to September 11th, 2021. Personnel attending the site during this trip included:

> Paul J. Brugger, P. Eng., Closed Properties Manager, Eastern Canada, Barrick Gold Inc.
>
> Peter Kathmann, Imexko Contracting, carpentry services.
>
> Paul Dumas - Labourer provided by McCreedy Campground, Thompson, Manitoba

Access during the trip was by provided by a Wings over Kississing Cessna Grand Caravan chartered from Thompson Manitoba. During this campaign the following activities were performed:

- Mr. Brugger performed a general site inspection and assisted with the survival shelter construction and airstrip shrub removal.
- Mr. Kathmann constructed the replacement survival shelter.
- Mr. Dumas assisted with the shelter construction and airstrip shrub removal.

3.1 SITE INSPECTION GENERAL FINDINGS

The site inspection was performed on September 9th, 2021, and indicated that the site remains undisturbed, stable and generally in good condition. The following findings were noted:

The Tailings Pond No. 1 water level continues to recover, now approximately 5cm above the September 2020 reading (See Photo 12 in Appendix 1).

The minor subsidence found on the B-Zone fresh air raise in 2018 and subsequently filled in 2019 remains unchanged. (See Photos 13 and 14 in Appendix 1). The affected area will continue to be monitored during future inspections until stability is confirmed.

The minor subsidence areas on the quarry pit landfill remain largely unchanged. Most of the affected areas are occupied by arctic ground squirrels (See Photo 17 in Appendix 1).

Two of the 2018 installed thermistors were found once again with casings snapped off at ground level. Evidence of muskox or caribou rubbing against the tubes was found on an older thermistor casing (See Photos 18 to 21 in Appendix 1).

The survival shed once again suffered considerable bear damage and was patched for current use while a replacement shelter is being constructed on the north side of the airstrip (see Photo 22 in Appendix 1).

The site access road continues to be difficult to negotiate as shrub vegetation continues to fill in the trail.

Additional select photos are included in Appendix 1. Due to inclement weather on arrival and departure days, no air photos were taken in 2021.

3.2 WATER QUALITY MONITORING

Pursuant to the approved Adaptive Management Plan monitoring program, surface water quality monitoring was not performed in 2021.

3.3 THERMISTOR MONITORING

Pursuant to the approved Adaptive Management Plan monitoring program, thermistor monitoring was not performed in 2021.

3.4 GEOTECHNICAL INSPECTION

Pursuant to the approved Adaptive Management Plan monitoring program, a geotechnical inspection was not performed in 2021.

4.0 IMPLEMENTATION OF SPILL RESPONSE PLAN

Pursuant to Part I, Article 1 of Water Licence 1BR- CUL1828, the 2021 Spill Response Plan has been reviewed and will remain implemented for 2022. The current Spill Response Plan is included as Appendix 2.

5.0 REVIEW OF ABANDONMENT AND RESTORATION PLAN

Pursuant to Part J, Article 2 of the Water Licence, a review of the Closure and Restoration Plan (CRP) was performed in March 2022. There was no Progressive Rehabilitation conducted during the year and there are no current changes to the CRP.

6.0 IMPLEMENTATION OF QUALITY ASSURANCE / QUALTY CONTROL

Pursuant to Part K, Article 2 of the Water License, the Cullaton Lake Water Quality Monitoring QA/QC Plan dated March 25, 2011 remains implemented.

7.0 2022 PROPOSED PROGRAM

A 5-day site visit is planned for early September to complete the following activities:

- The annual general site inspection will be completed.
- The biennial surface water quality program and geotechnical inspection will be completed.
- The 4-year anniversary benthic and sediment monitoring program will be completed.
- Thermistors will be repaired and the biennial readings recorded.
- Airstrip shrub removal will continue.
- Remaining construction of the new survival shelter will be completed (metal roof installed and fixtures moved over from the existing shelter). Once this is complete, the old shelter will be stripped of non-combustible or oil-based materials and burned.
- Non-combustible refuse will be collected and removed from site on backhaul flights to Thompson Manitoba for proper disposal.

Appendix 1
Cullaton Lake September 6th to 11th, 2021 Site Photos

Photo 1: Cullaton Lake main site, looking southeast (September 2020 photo).

Photo 2: Shear Lake site, looking southeast (September 2020 photo).

Photo 3: Access road to Shear lake with Encapsulated Waste Rock in distance.

Photo 4: Former Shear Lake Portal.

Photo 5: Encapsulated Waste Rock cover top looking north.

Photo 6: Shear Lake low pH pool area.

Photo 7: Healthy vegetation downstream of low pH pool.

Photo 8: Shear Creek at access road crossing.

Photo 9: Tailings Pond No 1 cover vegetation, looking southeast.

Photo 10: Tailings Pond No 1 water cover looking southeast.

Photo 11: Tailings Pond No. 1 spillway (dry) looking downstream.

Photo 12: Tailings Pond No .1 reference for water level at spillway.

Photo 13: Small area of subsidence at B-zone Vent Raise in 2019 after filling.

Photo 14: Filled area in 2021.

Photo 15: B-Zone Portal looking west.

Photo 16: B-Zone raise looking west.

Photo 17: Quarry Pit main subsidence area – no change from previous years.

Photo 18: Thermistor T-2 casing damage.

Photo 19: T3 thermistor casing damage.

Photo 20: Evidence of animal rubbing on old thermistor pipe.

Photo 21: Muskox on tailings cover south of T4 (September 2020 photo).

Photo 22: New survival shelter shell completed.

Appendix 2
2022 Spill Response Plan

CULLATON LAKE
ENVIRONMENTAL SPILL RESPONSE PLAN

COMPANY INFORMATION

Cullaton Lake Gold Mines Ltd. is wholly owned by Barrick Gold Inc. The Barrick head office responsible for the site is located at:

Barrick Gold Inc.
BCE Place, Canada Trust Tower, Suite 3700
161 Bay Street, P.O. Box 212
Toronto, Ontario
M5J 2S1

The site manager is:

Paul Brugger,
Barrick Gold Inc.
1084 County Rd 8
Campbellford, Ontario
K0L 1L0
Phone: 705-632-1871
Cell: 807-631-4895
e-mail: pbrugger@barrick.com

SITE LOCATION:

The Cullaton Lake property is located in the southern part of the District of Keewatin in the Nunavut Territory. The property is 250 km west of Arviat, NU, 400 km northwest of Churchill, Manitoba and 645 km north of Thompson, Manitoba. A topographic map is attached as Figure 1.

PROJECT HISTORY AND CURRENT ACTIVITY:

Cullaton Lake operated as an underground gold mine for four years from 1981 to 1985. Decommissioning and reclamation began in 1991 and was completed in 2001. By the end of 2001, all mine buildings had been removed, roads were decommissioned and the tailings impoundment area was reclaimed. No chemicals, fuels or reagents remain on site.

Present site activities consist of a single one to five day annual visit for inspection, monitoring and maintenance purposes. The site is dormant and uninhabited for the remainder of the year.

REVISIONS AND EFFECTIVE DATE OF PLAN:

This plan was last reviewed and revised on February 23, 2022 and is effective until March 31, 2023.

SPILL CONTROL AND REPORTING PROCEDURES:

Should it be necessary to mobilize contractors to the site for any reason in the future, the contractor will be required to supply spill control and clean up materials, have a spill control plan and train personnel in spill response procedures.

Upon discovery of a spill, the person discovering the spill will take the following actions:

INITIAL ACTIONS:

a. Stop the flow if possible.
b. Eliminate open flame ignition sources (i.e. extinguish cigarettes, shut off motors (from a remote location if surrounded by vapours).
c. Contain flow of fuel by dyking, barricading or blocking flow by any means available. Use earth-moving equipment if available. A dam made of earth or other available fill can be quickly constructed to contain and prevent a spill from spreading. If the ground is permeable, it may be necessary to excavate a shallow depression and line it with plastic to prevent the spill from seeping away.

ACTION IN CASE OF FIRE:

a. Use $C0_2$, dry chemical, foam or water spray (fog), although water may spread the fire.
b. Use jet streams to wash away burning gasoline.
c. Use fog streams to protect any rescue team and trapped people.
d. Use water to cool surface of tanks.
e. Divert the oil or gasoline to an open area and let it burn off under control. If the fire is put out before all the fuel is consumed, beware of re-ignition. Rubber tires are almost impossible to extinguish after igniting with fire. Remove vehicles with burning tires from the danger area.

RECOVERY PROCEDURE:

a. Unburned oil or gasoline can be soaked up by sand and peat moss, or by commercial absorbents such as Graboil.
b. If necessary, contaminated soil should be excavated and disposed of as per the following section.
c. Fuel entering the ground can be recovered by digging sumps or trenches.

DISPOSAL:

a. Evaporation may be used if appropriate.
b. Disposal as per the approved Abandonment and Restoration (1996) Plan.

REPORTING:

An individual discovering a spill must report it as soon as possible to the 24 hour Spill Report Line by calling:

(867) 920-8130

(1) A person reporting a spill shall give as much of the following information as possible:

- date and time of spill
- location of spill
- direction spill is moving
- name and phone number of a contact person close to the location of the spill
- type and description of contaminant spilled including an estimate of the quantity
- cause of spill
- status of spill (i.e. continuing or stopped)
- action taken to contain, recover, clean-up, and dispose of contaminant
- name, address and phone number of person reporting the spill
- name of owner, or person in charge or control of contaminant at time of spill

(2) No person shall delay reporting a spill because of lack of knowledge of the factors listed in subsection (1).

(3) The person reporting the spill shall also contact:

- CIRNAC Manager of Field Operations at: (**867) 975-4295**
- Environment Canada at **(867) 920-8130**
- Government of Nunavut Environmental Protection at **(867) 975-7700**
- Kivalliq Inuit Association at **1-800-220-6581**
- Barrick Gold Corporation :

  Paul Brugger,
  Site Manager
  Phone: **705-632-1871**
  Cell: 807-631-4895

  Alternate:
  Allison Brown,
  Canadian Closed Sites Manager
  Cell: **778-929-3079**
- If required:
  - RCMP – Arviat at **(867) 857-0123**
  - Arviat Hospital at **(867) 857-3100**
  - Arviat Fire Response at **(867) 857-9999**

(4) The attached NT-NU Spill Report will also be completed and submitted to the Nunavut spills reporting office at fax: (867) 873-6924 or email spills@gov.nt.ca

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

Government of Northwest Territories | Nunavut | Canada | Inuvialuit Land Administration

NT-NU 24-HOUR SPILL REPORT LINE
Tel: (867) 920-8130 • Fax: (867) 873-6924 • Email: spills@gov.nt.ca

REPORT LINE USE ONLY

A	Report Date: MM DD YY	Report Time:	☐ Original Spill Report **OR** ☐ Update # _____ to the Original Spill Report	**Report Number:**
B	Occurrence Date: MM DD YY	Occurrence Time:		
C	Land Use Permit Number (if applicable):		Water Licence Number (if applicable):	
D	Geographic Place Name or Distance and Direction from the Named Location:		Region: ☐ NT ☐ Nunavut ☐ Adjacent Jurisdiction or Ocean	
E	Latitude: _____ Degrees _____ Minutes _____ Seconds		Longitude: _____ Degrees _____ Minutes _____ Seconds	
F	Responsible Party or Vessel Name:		Responsible Party Address or Office Location:	
G	Any Contractor Involved:		Contractor Address or Office Location:	
H	Product Spilled: ☐ Potential Spill	Quantity in Litres, Kilograms or Cubic Metres:	U.N. Number:	
I	Spill Source:	Spill Cause:	Area of Contamination in Square Metres:	
J	Factors Affecting Spill or Recovery:	Describe Any Assistance Required:	Hazards to Persons, Property or Environment:	
K	Additional Information, Comments, Actions Proposed or Taken to Contain, Recover or Dispose of Spilled Product and Contaminated Materials:			

L	Reported to Spill Line by:	Position:	Employer:	Location Calling From:	Telephone:
M	Any Alternate Contact:	Position:	Employer:	Alternate Contact Location:	Alternate Telephone:

REPORT LINE USE ONLY

N	Received at Spill Line by:	Position:	Employer:	Location Called:	Report Line Number:

Lead Agency: ☐ EC ☐ CCG/TCMSS ☐ GNWT ☐ GN ☐ ILA ☐ AANDC ☐ NEB ☐ Other: _____

Significance: ☐ Minor ☐ Major ☐ Unknown

File Status: ☐ Open ☐ Closed

Agency:	**Contact Name:**	**Contact Time:**	**Remarks:**
Lead Agency:			
First Support Agency:			
Second Support Agency:			
Third Support Agency:			

Cullaton Lake

AIRSTRIP

Shear Lake

See Inset A

Kognak River

Tailings Pond #1

Tailings Pond #2

Quarry Pit

A

Encapsulated Waste Rock Pile

Waste Rock Pile

Shear Lake

Shear Creek

0 50 100 m

CANADA

Project Location

Legend

- Quarry Pit
- Encapsulated Waste Rock Pile
- Waste Rock Pile
- Tailings Pond
- Flow Direction

Base Mapping

Contours
- Index (50m)
- Intermediate (10m)

Hydrology
- Waterbody
- Watercourse

- Vegetation
- Wetland
- Road (decommissioned)

Base data: National Topographic Database (NTDB) compiled by Natural Resources Canada at 1:50,000 scale. Sampling performed by Gartner Lee Ltd., June 2008. Road GPS-tracked by Gartner Lee Ltd., June 2008. Airport footprint approximate; for reference purposes only. EWR pile, tailings ponds and quarry outlines, BGC Engineering, Inc. (2006). All other data, AECOM 2009.

N W E S

0 0.5 1
Kilometres

1:30,000
UTM Zone 14N, NAD 83

File Name: 107651_By1_Fig1_CullatonLake_Mar17_2011.mxd

Prepared By: MM Date Issued: Mar, 2011
Reviewed By: KW Project Number: 107651

Barrick Gold

Project: Cullaton Lake Project
Location: Nunavut

Cullaton Lake Site

AECOM

Figure 1

File Location: P:\60146995\000-CADD\050 GIS WIP\By7_Grizzly_Habitat\107651_By1_Fig1_CullatonLake_Mar17_2011.mxd

Date Revised: March 17, 2011
Date Plotted: March 17, 2011