

FINAL

# 2025 Annual Geochemistry Monitoring Report, Doris and Madrid

Hope Bay Mine, NU  
Agnico Eagle Mines Ltd.



SRK Consulting (Canada) Inc. ■ CAPR003761 ■ March 2026

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Hope Bay Mine, NU

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## Useful Definitions

This list contains definitions of symbols, units, abbreviations, and terminology that may be unfamiliar to the reader.

ABA	Acid Base Accounting
ARD	Acid Rock Drainage
BV	Bureau Veritas Laboratories
CPR	Crown Pillar Recovery
CPRT	Crown Pillar Recovery Trench
CRM	Certified Reference Materials
CWP	Contact Water Pond
DQO	Data Quality Objective
DTMF	Dissolved concentration exceeds Total for Field-filtered Metals sample
EC	Electrical Conductivity
HCT	Humidity Cell Test
LOD	Limit of Detection
LOR	Limit of Reporting
ML	Metal Leaching
NP	Neutralization Potential
NNP	Net Neutralization Potential
NPR	Neutralization Potential Ratio
ORP	Oxidation Reduction Potential
PAG	Potentially Acid Generating
QA/QC	Quality Assurance/Quality Control
ROQ	Run of Quarry
SFE	Shake Flask Extraction
SGS	SGS Canada Inc.
TIA	Tailings Impoundment Area
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
WRP	Waste Rock Pad
WRSA	Waste Rock Storage Area

## Executive Summary

Agnico Eagle Mines Ltd. (Agnico Eagle) retained SRK Consulting (Canada) Inc. (SRK) to prepare a report documenting the metal leaching and acid rock drainage (ML/ARD) monitoring programs carried out in 2025 at the Doris and Madrid North mines at the Hope Bay project. These activities are required as part of Agnico Eagle's Water Licence 2AM-DOH1335 Amendment No. 2 (the Water Licence; NWB 2018) and materials management plans, including the *Waste Rock, Ore and Mine Backfill Management Plan, Hope Bay Project, Nunavut* [WROMP] (Agnico Eagle 2022a) and *Quarry Management Plan* [QMP] (Agnico Eagle 2022b).

In 2025, the following activities occurred:

- Quarrying activities included 12 blasts at Quarry AF, 53 blasts at Quarry D, 9 blasts at Sump 1<sup>1</sup>, and 2 blasts at Patch 7 portal.
- Construction activities used 551,304 t of blasted rock from Quarry D, 78,562 t from Quarry AF, 67,020 t from Sump 1, and 98,687 t of blasted rock and crushed material from Quarry 2. The main uses were for the following:
  - 173,884 t and 24,078 t from Quarry AF and Quarry 2, respectively, were used to build Roberts Bay transit pad and some associated infrastructure.
  - 258,268 t, 29,627 t, and 480 t, from Quarry D, Quarry 2, and Sump 1, respectively, were used to construct other pads across the site.
  - 105,940 t, 8,498 t, and 6,388 t were moved from Quarry D, Sump 1, and Quarry 2, respectively, to construct the Madrid to TIA road.
- There was no mining at Doris or Madrid North Mines, but the Naartok portal and associated access ramps were developed.
- The old Madrid Portal was backfilled and plugged.
- The old processing plant was permanently decommissioned and disassembled with only the external walls remaining in place.
- There were no tailings produced in 2025.

This interpretive report fulfills the regulatory requirements for the geochemical monitoring programs executed by Agnico Eagle for waste rock, tailings, quarry rock and construction rock.

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<sup>1</sup> Sump 1 is located in Quarry AH.

# 1 Introduction

Agnico Eagle Mines Ltd. (Agnico Eagle) retained SRK Consulting (Canada) Inc. (SRK) to prepare a report that documents the metal leaching and acid rock drainage (ML/ARD) monitoring conducted in 2025 at Doris and Madrid, Hope Bay Project. The geochemical monitoring programs are documented in Water Licence 2AM-DOH1335 Amendment No. 2 (the Water Licence; NWB 2018) and materials management plans, including the *Waste Rock, Ore and Mine Backfill Management Plan, Hope Bay Project, Nunavut* [WROMP] (Agnico Eagle 2022a) and *Quarry Management Plan* [QMP] (Agnico Eagle 2022b). The geochemical monitoring requirements outlined in the Water Licence and management plans are summarized in Table 2-1 to Table 2-4 in Section 2.

This document was prepared by SRK as a stand-alone report to be appended to Agnico Eagle's 2025 NWB Annual Report. It was prepared using information and data obtained by Agnico Eagle and SRK.

The report is organized as follows:

- **Section 2 – Monitoring Requirements and Conformity Assessment:** An overview of commitments in the Water Licence and management plans is presented along with an assessment of compliance in 2025.
- **Section 3 - Summary of Material Management:** An overview of materials movement and management in 2025.
- **Section 4 – Methods and QA/QC:** An overview of sample collection, analytical test work and data interpretation methods used to assess ML/ARD and quality assurance and quality control (QA/QC) measures employed during sample collection, lab testing and data analysis.
- **Section 5 – Doris Waste Rock Monitoring:** A summary of the monitoring program and assessment of ML/ARD potential of waste rock from Doris mine.
- **Section 6 – Madrid North Waste Rock Monitoring:** A summary of the monitoring program and assessment of ML/ARD potential of waste rock from Madrid North mine.
- **Section 7 – Quarry and Construction Rock Monitoring:** A summary of the monitoring program and assessment of ML/ARD potential of blasted quarry rock from Quarry D and Quarry 2 and as-built construction rock.
- **Section 8 – Tailings Monitoring:** A summary of geochemical monitoring of flotation tailings detoxified tailings supernatant and solids and seepage from dewatered detoxified tailings placed as backfill in stopes of the Doris mine.
- **Section 9 – Seepage Monitoring:** A summary of monitoring and results from the seepage survey of Doris and Madrid waste rock and selected as-built construction rock.

## 2 Monitoring Requirements and Conformity Assessment

### 2.1 Waste Rock

#### 2.1.1 Doris Mine

Monitoring plans for Doris waste rock are provided in the WROMP (Agnico Eagle 2022a), which is a part of the Water Licence 2AM-DOH1335 (NWB 2018). The program includes geological inspection and geochemical monitoring of the waste rock from the underground mine and crown pillar recovery (CPR), routine monitoring of the Doris Contact Water Pond 1 (CWP1) and annual seepage survey of waste rock temporarily stored on surface.

A summary of the requirements of Agnico Eagle (2022a) is summarized in Table 2-1.

**Table 2-1: Doris Waste Rock Monitoring Requirements and 2025 Monitoring Summary**

Monitoring Reference	Monitoring Item	Monitoring Reference Section	2025 Monitoring Summary
Agnico Eagle (2022a)	Conduct waste rock geological inspections: i) underground at the blast face by Agnico Eagle qualified geologists, with internal record keeping and ii) surface waste rock stockpile (Pad T);	Section 3.1 - Mine Backfill Monitoring; Table 3-1 – Overview of Mine Backfill Monitoring Programs and Objectives for Doris, Madrid North, Madrid South and Boston	Not applicable. The Doris Mine was inactive in 2025.
Agnico Eagle (2022a)	Geochemical sampling program for CPR waste rock to confirm that it is suitable for use as construction rock: sampling frequency of one sample for every 20,000 tonnes;	Section 3.2 - Use of Waste Rock for Construction	Not applicable. CPR reclaimed with placement backfill and cover.
Agnico Eagle (2022a), NWB (2018)	Monitoring and recording the volumes of waste rock mined, waste rock management designations (mineralized and non-mineralized) and placement locations, including any waste rock that is approved and used for construction (pending confirmatory test work and approval from NWB); to be reported monthly;	Section 3.1 - Mine Backfill Monitoring; Table 3-1 – Overview of Mine Backfill Monitoring Programs and Objectives for Doris, Madrid North, Madrid South and Boston	Not applicable. The Doris Mine was inactive in 2025.
NWB (2018)	Annual water quality monitoring will be carried out at a surveillance monitoring station ST-2 located in the Doris Contact Water Pond; parameters include pH, TSS, total ammonia, nitrate, nitrite, total sulphate, total cyanide, total oil	Schedule I – Conditions Applying to General and Aquatic Effects Monitoring; Table 3 –Monitoring Program	Completed. Refer to Appendix D of the Hope Bay Project 2025 Nunavut Water Board Annual Report.

Monitoring Reference	Monitoring Item	Monitoring Reference Section	2025 Monitoring Summary
	and grease, alkalinity, chloride, and total metals by ICP-MS;		
Agnico Eagle (2022a)	Annual inspections by a qualified geochemist of the designated nonmineralized and mineralized areas of the WRP Based on the inspection, geochemical characterization of representative sample set of waste rock placed in the stockpile in the previous year. samples;	Section 3.1.3 – Annual Inspections and Geochemical Characterization of Waste Rock; Table 3-1 – Overview of Mine Backfill Monitoring Programs and Objectives for Doris, Madrid North, Madrid South and Boston	Not applicable. No new material was placed on the WRP in 2025.
Agnico Eagle (2022a)	Seep surveys along the down-gradient toe of the WRP and below the Doris Contact Water Pond 1 and access road throughout operations. The seep survey will be completed at the same time and will follow the same procedures as used for the seep survey around other infrastructure areas. However, given the increased importance of obtaining samples from this area, all distinct seeps in the immediate vicinity of the WRP (i.e., any seeps spaced more than 50 meters apart) will be tested for a full suite of laboratory parameters; and	Section 3.1.4 – Seep Survey	Completed. Refer to Section 9.
Agnico Eagle (2022a), NWB (2018)	An annual waste rock monitoring report, including the results and an interpretation of the geochemical data and a summary of all mitigation activities undertaken as a result of monitoring will be prepared and submitted to the NWB by March 31 of the year following sample collection (i.e., within 6 months of collecting the final quarry samples).	Agnico Eagle (2022a): Section 3.3 - Documentation and Reporting  NWB (2018): Part F - Conditions Applying to Waste Deposit and Management	Completed. Refer to Section 9.

Sources: This document.

## 2.1.2 Madrid North Mine

Except for waste rock from the Naartok East (NE) CPR, waste rock monitoring at Madrid North is outlined in the WROMP (Agnico Eagle 2022a), which is a part of the Water Licence (NWB 2018). Geochemical monitoring of waste rock from NE CPR is documented in *Classification of Waste Rock in Support of Segregating Construction Rock from Naartok East Crown Pillar Recovery, Madrid North, Hope Bay* (SRK 2019). SRK (2019) documents a site-based geochemical classification method to identify waste rock from NE CPR with a low risk of ML/ARD (non-PAG and with low potential for neutral pH arsenic leaching) and recommendations for operational implementation of a program to classify and segregate waste rock as suitable for use as construction rock.

A summary of the requirements for Madrid North Waste Rock monitoring as outlined in SRK (2019) and Agnico Eagle (2022a) is summarized in Table 2-2.

**Table 2-2: Madrid North Waste Rock Monitoring Requirements and 2025 Monitoring Summary**

Monitoring Reference	Monitoring Item	Monitoring Reference Section	2025 Monitoring Summary
Agnico Eagle (2022a)	Conduct waste rock geological inspection at underground blast face by Agnico Eagle geologists, with internal record keeping.	Section 3.1 - Mine Backfill Monitoring; Table 3-1 – Overview of Mine Backfill Monitoring Programs and Objectives for Doris, Madrid North, Madrid South and Boston	Completed. Refer to Section 6.
SRK (2019)	Geological inspection and pXRF analysis of Naartok East Crown Pillar Recovery (NE CPR) drill cuttings for geochemical classification of waste rock to determine suitability of waste rock as construction rock.	Section 5 – Field Classification of Construction Rock	Not applicable.
Program documented in SRK (2020)	Operational application of field based geochemical classification program of NE CPR waste rock (SRK 2019) to identify and segregate run-of-mine waste rock geochemically suitable as construction rock.	Section 3.1.1 – Field-Based Classification of Waste Rock as Construction Rock	Not applicable in 2025.
Agnico Eagle (2022a), NWB (2018)	Monitoring and recording the volumes of waste rock mined and placement locations, including waste rock that is approved for use in construction (pending confirmatory test work and approval from NWB); to be reported monthly.	Section 3.1 - Mine Backfill Monitoring; Table 3-1 – Overview of Mine Backfill Monitoring Programs and Objectives for Doris, Madrid North, Madrid South and Boston	Completed. Refer to Section 3.
Agnico Eagle (2022a)	Annual inspections by a qualified geochemist of Madrid North WRSA to confirm that there are no areas with elevated amounts of sulphide mineralization, and inspections of the designated mineralized areas of the pile to look for signs of weathering and oxidation of the sulphides;	Section 3.1.3 - Annual Inspections and Geochemical Characterization of Waste Rock; Table 3-1 – Overview of Mine Backfill Monitoring Programs and Objectives for Doris, Madrid North, Madrid South and Boston	Completed. Refer to Section 6.

Monitoring Reference	Monitoring Item	Monitoring Reference Section	2025 Monitoring Summary
	representative sample set of waste rock to be collected.		
Refer to footnotes <sup>1</sup>	Geochemical verification sampling program of underground waste rock with samples collected from underground mine. Sample frequency of one sample for every 20,000 t as per underground sampling program for underground mines.	--	Completed. Refer to Section 6.
Agnico Eagle (2022a)	Seep surveys along the down-gradient toe of the Madrid North WRSA and below the CWP and access road throughout operations and for at least 2 years following mining and backfilling activities. The seep survey will be completed at the same time and will follow the same procedures as used for the seep survey around other infrastructure areas. However, given the increased importance of obtaining samples from this area, all distinct seeps in the immediate vicinity of the WRP (i.e., any seeps spaced more than 50 meters apart) will be tested for a full suite of laboratory parameters.	Section 3.1.4 – Seep Survey	Completed. Refer to Section 9.
NWB (2018)	Routine water quality monitoring (sampled twice annually, weekly water levels) will be carried out at a surveillance monitoring station MMS-1, located at the Madrid North CWP..	Schedule I - Conditions Applying to General and Aquatic Effects Monitoring; Table 3 –Monitoring Program	Completed. Refer to Appendix D of the Hope Bay Project 2025 Nunavut Water Board Annual Report.
Agnico Eagle (2022a), NWB (2018)	An annual waste rock monitoring report, including the results and an interpretation of the geochemical data will be prepared and submitted to the NWB by March 31 of the year following sample collection (i.e., within 6 months of collecting the final quarry samples).	Agnico Eagle (2022a): Section 3.3 - Documentation and Reporting  NWB (2018): Part F - Conditions Applying to Waste Deposit and Management	Completed. Refer to Section 9.

Sources: This document.

**Notes:**

<sup>1</sup> Not in Agnico Eagle (2022a). Monitoring based on advice of SRK.

## 2.2 Quarry and Construction Rock

Details on the monitoring program for quarries and as-built construction rock for Doris and Madrid infrastructure are provided in the QMP (Agnico Eagle 2022b) and for waste rock used as construction rock, the WROMP (Agnico Eagle 2022a). A summary of the requirements is provided in Table 2-3.

**Table 2-3: Quarry and Construction Rock Monitoring Requirements and 2025 Monitoring Summary**

Monitoring Item	Monitoring Reference Section <sup>1</sup>	2025 Monitoring Summary
Visual inspections and sampling at the quarry face by site geologist or geochemist at least once per week when the quarries are in active use.	Section 3.1.1- Quarry Visual Inspection	Completed for Quarries D, 2, AF, E, and Sump 1.
Collection and testing of two samples per year from each active quarry for total sulphur analysis, and, if the sulphur content exceeds 0.1%, the samples would be subjected to full ABA tests. A subset of samples will be subjected to shake flask extraction tests. The ABA tests would be done on the whole sample and on the -2 mm size fraction to determine whether there is any concentration of sulphides in the fine component of the rock.	Section 3.1.3 – Quarry Rock Sampling	Completed for quarries D, AF and Sump 1. One set of samples was collected from Quarry 2 and another one from quarry E in 2025, which is considered sufficient given the volume of rock blasted in 2025 in those quarries (27,085 and 0 t, respectively). Rock used for construction will be monitored in summer 2026 as per the QMP.
Quarry sumps will be monitored as described under the routine site water quality monitoring program.	Section 3.1.4 – Quarry Sump Monitoring	Completed for Quarry D. Refer to Appendix D of the Hope Bay Project 2025 Nunavut Water Board Annual Report.
Visual inspection of each mined-out quarry will be completed at least once per year in order to ensure that the site remains safe, and no environmental or public health and safety concerns have developed. If potentially acid generating (PAG) waste rock has been placed in the quarries, the area will be inspected to ensure that the 2 m cover remains intact, and no seeps are evident.	Section 3.3.1	Completed. PAG rock has not been placed in the quarries.
A seep survey will be conducted around all infrastructure components the year following completion of construction using quarry rock. Field pH, electrical conductivity (EC), Eh, and temperature readings will be collected. A water sample will be collected from a minimum of 10% of the identified ephemeral seeps and will be submitted for laboratory	Section 3.3.2	Completed for Madrid Exploration Track and TIA to Madrid Road. Refer to Section 9. Additional post-construction monitoring will be conducted as infrastructure is completed.

Monitoring Item	Monitoring Reference Section <sup>1</sup>	2025 Monitoring Summary
<p>analyses, as detailed in Quarry Management Plan (Agnico Eagle 2022b). Established reference stations will also be monitored to provide basis for comparing this to waters that are not influenced by the development activities.</p>		
<p>An annual quarry monitoring report, including the results and an interpretation of the geochemical data will be prepared and submitted to the NWB by March 31 of the year following sample collection (i.e. within 6 months of collecting the final quarry samples).</p>	<p>Section 4 – Documentation and Reporting</p>	<p>Completed. Refer to Sections 7 and 9.</p>

Sources: This document.

**Notes:**

<sup>1</sup> Monitoring Reference is the QMP unless waste rock is used as construction rock (Monitoring Reference is the WROMP).

## 2.3 Tailings

The geochemical monitoring program for flotation tailings slurry and detoxified tailings are specified in Schedule I, Tables 1 to 3 of the Water Licence (NWB 2018) and includes the following monitoring stations: process plant tailings water discharge (TL-5), flotation tailings solids (TL-6), detoxified tailings solids<sup>2</sup> (TL-7A), detoxified tailings supernatant (TL-7B) and seepage from underground backfilled stopes (TL-11). Station TL-7B was added to the Water Licence (NWB 2018) and monitoring commenced in 2019. A summary of the monitoring requirements is presented in Table 2-4.

**Table 2-4: Tailings Monitoring Requirements and 2025 Monitoring Summary**

Monitoring Item	Monitoring Reference Section (Water Licence)	2025 Monitoring Summary
Sampling of the supernatant from flotation tailings slurry discharge (TL-5) once per month for the analysis of pH, TSS, ammonia, nitrate, nitrite, sulphate, cyanide (WAD, free and total), and total metals by ICP-MS. Cyanate and thiocyanate should be analyzed quarterly.	Schedule I – Conditions Applying to General and Aquatic Effects Monitoring; Table 3 – Monitoring Program	Not applicable, processing plant not operational in 2025.
Maintain monthly records of tonnages and locations of disposal for flotation tailings (TL-6) discharged into the TIA and detoxified tailings (TL-7A) placed in the underground mine in stopes as backfill.	Schedule I – Conditions Applying to General and Aquatic Effects Monitoring; Table 3 – Monitoring Program	Not applicable, processing plant not operational in 2025.
Analysis of a homogenized monthly composite sample of flotation tailings solids (TL-6), from equal amounts of weekly samples, for total sulphur, sulphate sulphur, TIC, and trace element content.	Schedule I – Conditions Applying to General and Aquatic Effects Monitoring; Table 3 – Monitoring Program	Not applicable, processing plant not operational in 2025.
Monthly sampling and analysis of detoxified tailings solids (TL-7A) for moisture content.	Schedule I – Conditions Applying to General and Aquatic Effects Monitoring; Table 3 – Monitoring Program	Not applicable, processing plant not operational in 2025.
Monthly sampling and analysis of detoxified tailings filtrate (TL-7B) for total metals by ICP-MS (including sulphur), TIC, WAD cyanide, cyanate and thiocyanate.	Schedule I – Conditions Applying to General and Aquatic Effects Monitoring; Table 3 – Monitoring Program	Not applicable, processing plant not operational in 2025.
Bi-annual seepage surveys of underground backfilled stopes with opportunistic sampling of seepage (TL-11) for the analysis of pH, electrical conductivity (EC), trace metals by ICP-MS, alkalinity, acidity, sulphate, cyanide (WAD, free, and total), total ammonia, nitrate and nitrite.	Schedule I – Conditions Applying to General and Aquatic Effects Monitoring; Table 3 – Monitoring Program	Completed. Refer to Section 8.

<sup>2</sup>Detoxified tailings are referred to as cyanide leach residue in the Water Licence. Station TL-7A supersedes station TL-7.

Monitoring Item	Monitoring Reference Section (Water Licence)	2025 Monitoring Summary
Preparation of an annual tailings monitoring report to be submitted to the NWB by March 31 of the year following sample collection and including the results and interpretation of the geochemical data for tailings solids (TL-6, TL-7A, TL-7B), and results and interpretation of seepage data from the bi-annual underground seepage survey of backfilled stopes (TL-11).	Schedule B – General Conditions	Completed. Refer to Section 8.

Sources: This document.

## 3 Summary of Material Production and Management

### 3.1 Waste Rock

#### 3.1.1 Doris

In 2023, production was suspended at the Doris mine, however waste rock was produced between January and April 2023 to support underground exploration. In 2025, there were no mining activities at the Doris mine.

#### 3.1.2 Madrid North

In 2019, mining was initiated at Madrid North with the development of the Naartok East Crown Pillar Recovery (NE CPR) in July and the decline for the underground mine in December. Mining at Madrid North was halted at the end of March 2020 due to the Covid-19 global pandemic. Mining activities at Madrid North briefly restarted between January and February 2021, with the further development of the underground decline. In 2025, the portal was backfilled and plugged. There are no plans for further development of this decline.

In 2024, Agnico Eagle initiated development of the Naartok East portal, located in the NE CPR. In 2025, underground mining activities are summarized as follows:

- Naartok East: continued development of the decline. A total of 21,024 t of waste rock was produced and placed in the Madrid North Waste Rock Pile.
- Naartok West: development of the portal and decline was initiated. A total of 40,479 t of waste rock was produced. Waste rock was placed in the Madrid North Waste Rock Pile.

### 3.2 Quarry Development

In 2025, there were 53 blasts at Quarry D, 12 blasts at Quarry AF and 9 blasts at Sump 1<sup>3</sup> (Figure 3-1). Section 3.3 outlines locations where quarry rock was used for construction in 2025.

### 3.3 Construction Rock

A summary of waste rock and quarry rock used for construction is presented in Table 3-1 and 2025 construction projects are depicted on a map in Figure 3-1. In summary, a total of 795,573 t of quarry rock from Sump 1, Quarry D, and Quarry AF was used for construction. Rock sourced from Quarry 2 represents rock from the crusher, located in Quarry 2. The source of quarry feed rock to the crusher were Quarry D, Quarry AF, and Sump 1.

---

<sup>3</sup> Sump 1 is located in Quarry AH.

**Table 3-1: Summary of 2025 Construction Projects**

Placement location	Quarry of origin – Volumes in t <sup>1</sup>			
	Quarry 2 <sup>2</sup>	Quarry AF	Quarry D	Sump 1 <sup>3</sup>
<b>Jetty</b>	6178	4678	-	-
<b>Roberts Bay pad and associated infrastructure</b>	24078	73884	1418	-
<b>Air Strip</b>	308	-	-	-
<b>Windy Road</b>	90	-	-	-
<b>Drill pads across site</b>	58	-	3834	1526
<b>Geotech Pad</b>	-	-	210	-
<b>Upper Reagent Pad</b>	342	-	-	-
<b>Construction Pads</b>	19050	-	88678	-
<b>Drillco Pad</b>	-	-	2132	-
<b>Wing A</b>	660	-	-	-
<b>Wing B Pad</b>	756	-	-	-
<b>Wing C</b>	150	-	28	-
<b>ERT Pad</b>	88	-	-	-
<b>Mega Trench</b>	480	-	-	-
<b>E-Room Pad</b>	2170	-	886	-
<b>Power House Trench</b>	30	-	-	-
<b>Mill</b>	90	-	112	-
<b>STP Sleeves road crossing</b>	90	-	-	-
<b>Fab Shop</b>	16154	-	50642	-
<b>Pad U</b>	360	-	50890	-
<b>Pad U CWP</b>	2203	-	3304	-
<b>Dorris Vent Raise</b>	420	-	-	-
<b>Emulsion Pad</b>	2064	-	33022	-
<b>Madrid to TIA road</b>	6388	-	105940	8498
<b>CWP 3 Access</b>	-	-	5700	-
<b>Pad Waste Rock Storage Facility</b>	360	-	76514	-
<b>Vault Pad</b>	120	-	-	-
<b>OVB Dump</b>	-	-	1086	-
<b>Nuna Shop</b>	90	-	3270	-
<b>Naartok Pad</b>	2024	-	2632	480
<b>Naartok UG portal</b>	3780	-	1230	-

Placement location	Quarry of origin – Volumes in t <sup>1</sup>			
	Quarry 1	Quarry 2	Quarry 3	Quarry 4
<b>Mud Mountain - WR pile - Madrid area</b>	-	-	2340	262
<b>Madrid - general area</b>	116	-	932	-
<b>Sump 1B</b>	1284	-	3958	1800
<b>Gravel Track Phase 2</b>	144	-	49264	-
<b>Gravel Track Phase 3</b>	4236	-	43896	10512
<b>HB3</b>	142	-	-	-
<b>Patch 7 + access road and ramp</b>	888	-	16560	40370
<b>Exploration Roads</b>	1822	-	-	-
<b>Site Roads</b>	1474	-	90	-
<b>Gravel Tracks widening</b>	-	-	2736	3572
<b>Total</b>	<b>98687</b>	<b>78562</b>	<b>551304</b>	<b>67020</b>

**Notes:**

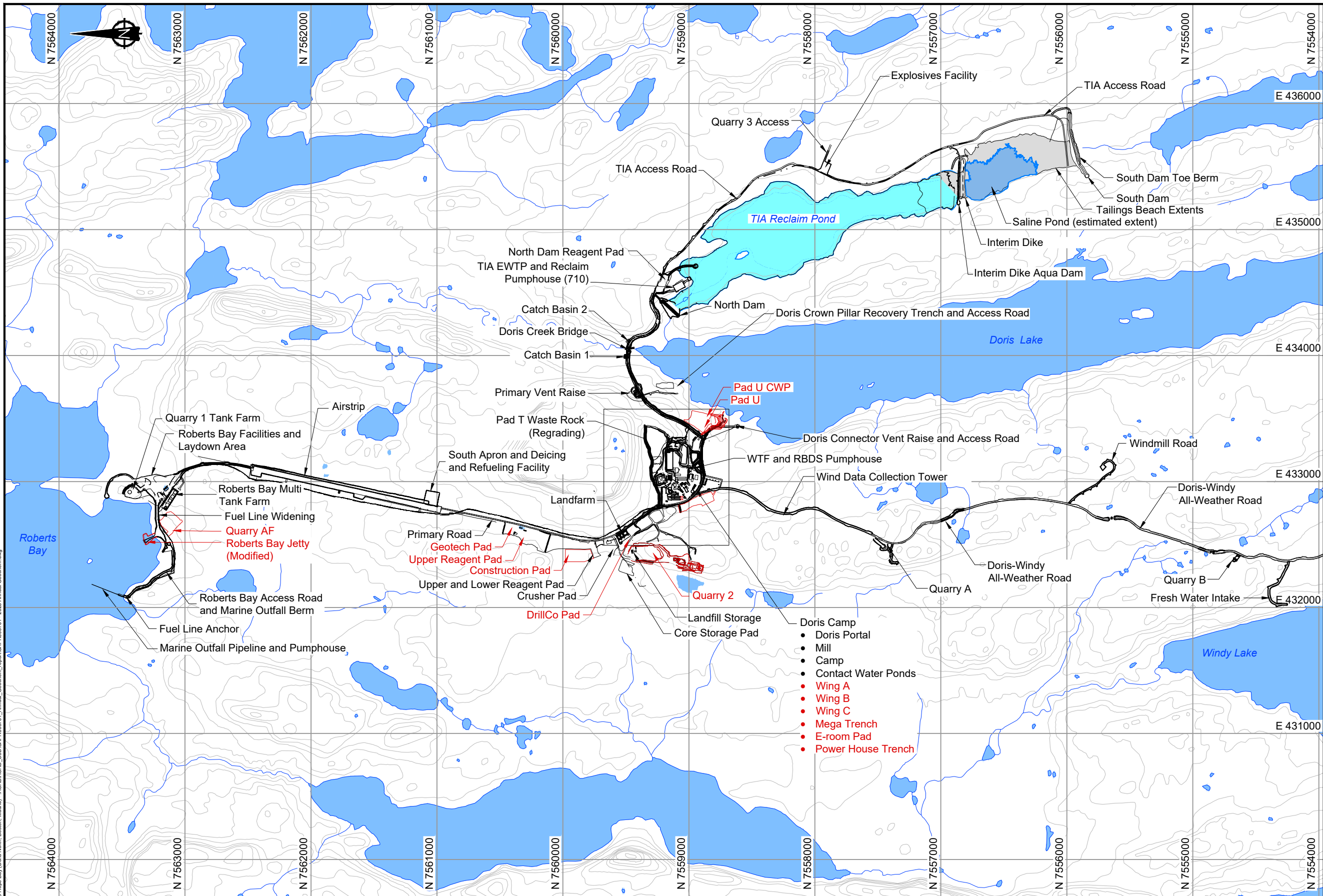
<sup>1</sup> Quarry rock volumes were converted from bcm to t using a conversion factor of 2 t per bcm.

<sup>2</sup> Rock volumes given for Quarry 2 were originally sourced from other quarries.

<sup>3</sup> Sump 1 is located in Quarry AH.

### 3.4 Tailings

The process plant was placed in care and maintenance October 2021 and was fully decommissioned and dismantled in 2025, with only the external walls remaining.



**LEGEND**

- Existing As-Constructed Infrastructure
- 2025 As-Constructed Infrastructure
- Tailings Beach Extents
- TIA Reclaim Pond

**NOTES**

1. All units are in meters unless otherwise specified.
2. Contours are shown at 10.0 m intervals.

**REFERENCES**

NAD83 CSRS UTM Zone 13.  
 2025 As-constructed linework derived from drawings provided by Client.

C:\Users\MSMITH\SRK Consulting\F5208 Hope Bay (Doris North, Boston, Madrid) - ACADACAD\_C3D\CAPR003761 - 2025 Annual Geochem.dwg

- Doris Camp
- Doris Portal
- Mill
- Camp
- Contact Water Ponds
- Wing A
- Wing B
- Wing C
- Mega Trench
- E-room Pad
- Power House Trench

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SRK JOB NO.: CAPR003761  
 FILE NAME: CAPR003761 - 2025 Annual Geochem.dwg

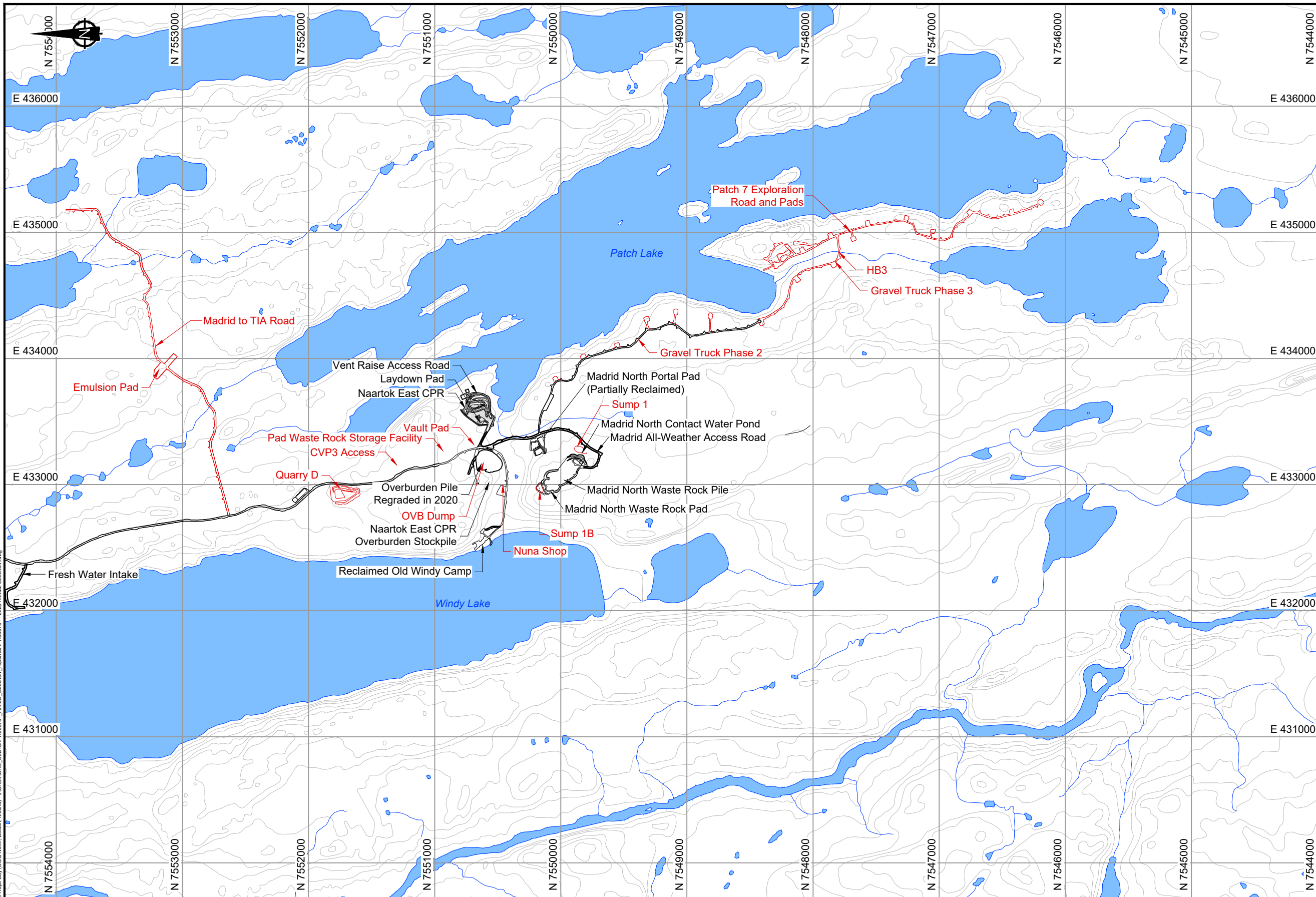
**AGNICO EAGLE**

Hope Bay

2025 Annual Geotechnical Report

Doris Area 2025  
 As-Constructed Summary

DATE: February 2026    APPROVED: MH    FIGURE: 3.1



**LEGEND**

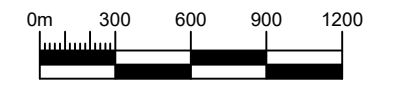
- Existing As-Constructed Infrastructure
- 2025 As-Constructed Infrastructure

**NOTES**

1. All units are in meters unless otherwise specified.
2. Contours are shown at 10.0 m intervals.

**REFERENCES**

NAD83 CSRS UTM Zone 13.  
 2025 As-constructed linework derived from drawings provided by Client.



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 FILE NAME: CAPR003761 - 2025 Annual Geochem.dwg

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Hope Bay

2025 Annual Geotechnical Report

Madrid North Area 2025  
 As-Constructed Summary

DATE: February 2026    APPROVED: MH    FIGURE: 3.2

## 4 Methods and QA/QC

Geochemical monitoring programs include geological inspections and laboratory analysis. Analytical field tests (Section 4.1.1) are completed by either SRK or Agnico Eagle. Laboratory analysis is carried out by external commercial labs (Section 4.1.2). QA/QC (Section 4.2) and data interpretation (Section 4.3) are completed by SRK. In this report, all laboratory results have been rounded to two significant figures to account for analytical uncertainty.

### 4.1 Analytical Methods

#### 4.1.1 Field Test Work

Test work conducted in the field is executed by Agnico Eagle field staff.

##### Solids Samples

Rinse tests completed on sieved fine fractions (-2 mm) of samples and involved mixing a 1 to 1 ratio of distilled water and solids and measuring the resulting pH and electrical conductivity (EC).

##### Seepage Samples

Field measurements of pH, conductivity, temperature, and oxidation reduction potential are determined using handheld meters that are calibrated daily. Seepage flow rates were measured in the field by using a flow meter or using visual estimates.

#### 4.1.2 Laboratory Test Work

##### Solids Samples

Solids testing was completed at Bureau Veritas (BV) in Burnaby, BC using the following analytical methods:

- Acid Base Accounting (ABA):
  - Paste pH (Sobek et al. 1978).
  - Total sulphur by Leco.
  - Sulphate sulphur by hydrochloric (HCl) acid leach based on a modified version of ASTM Method D 2492-02.
  - Total inorganic carbon (TIC) where the sample is reacted with HCl and the evolved CO<sub>2</sub> is measured by Leco or using a coulometer.
  - Fizz test and modified neutralization potential (MEND 1991).

- Metals analysis by aqua regia digest followed by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) multi-element scan of 8 major elements (e.g., aluminum, calcium, magnesium, sodium, potassium, iron, sulphur) and 29 trace elements (e.g., arsenic, zinc, copper, cadmium, lead).
- Shake flask extraction (SFE) tests on the sieved -2 mm fraction using deionized water with a 3:1 liquid to solid ratio and a 24-hour shaking period (MEND 2009). Leachates from the SFE tests are analyzed for pH, conductivity, total alkalinity, sulphate, nitrate, ammonia, acidity and dissolved metals (including mercury and selenium).

## Water Samples

Routine water quality monitoring samples from the sumps and outside the berm of the contact water pond downstream of the Madrid North WRSA (Section 9.2.5), freshet seepage samples (Sections 9.2.3, 9.2.4 , and 0) and underground seepage samples (Section 8.2.1) were submitted to ALS Laboratory, in Yellowknife, NT or Edmonton, AB for the analysis of the following parameters:

- Physical parameters: pH, EC, total suspended solids (TSS),
- Major anions: alkalinity, chloride, sulphate.
- Nutrients: ammonia, nitrite and nitrate
- Dissolved metals by ICP-MS. Samples were filtered and preserved at the time of sampling in the field.

Selected sample sets were also analyzed for the following parameters:

- Total dissolved solids (TDS, freshet seepage and underground seepage only).
- Acidity (freshet seepage and underground seepage only),
- Phosphorus (freshet seepage and underground seepage only).
- Total metals by ICP-MS (Madrid North WRSA routine samples only).
- Free, total and WAD cyanide (underground seepage only).
- Total cyanide (freshet seepage and Madrid North WRSA routine samples other than CWP Berm – Outside only).

## 4.2 QA/QC

A number of QA/QC programs were executed as part of the geochemical monitoring programs at Hope Bay and are summarized as follows:

- Agnico Eagle executed the Quality Assurance and Quality Control Plan documented in Agnico Eagle (2022c) during collection of quarry rock and seepage water quality samples (Sections 7 to 9). SRK has not reviewed Agnico Eagle (2022c) or the outcomes.
- SRK (2024b): SRK's QAQC program includes an assessment of field sampling procedures, evaluation of laboratory inhouse QAQC methods and overall data review:

- Field and travel blanks are analyzed to identify any potential contamination within samples.
- A comparison of field and laboratory measurements is undertaken to assess potential changes in composition during storage and transit or identify any issues attributed to field equipment or the recording of field results.
- Field duplicate samples are submitted blindly for analysis and results are assessed to determine the reproducibility of the data.
- SRK reviews in-house laboratory QAQC data including results of method blank samples, laboratory split duplicates and standard/certified reference materials.
- An ion balance is calculated on all water samples to determine the balance between positively charged cations and negatively charged anions.
- Where total and dissolved metals are reported, SRK reviews the data to ensure that total metals are consistently reported higher than dissolved metals.
- For acid base accounting data, SRK compares total sulphur with sulphate sulphur results and sulphur determined by ICP to sulphur determined by Leco furnace. Neutralization potential data is compared with paste pH and fizz test results to ensure a reasonable correlation.

SRK conducts QC checks for all data received that are documented in the QA/QC section for each monitoring program, e.g., Sections 7.2.1 and 8.3.1.

## 4.3 Data Interpretation

### 4.3.1 ARD Classification

Sulphide sulphur is calculated as the difference between total sulphur and sulphate. Acid potential (AP) was calculated using sulphide sulphur.

The ratio of TIC to AP provides a measure of the ARD potential of the sample with ARD classification summarized as follows:

- Non-potentially ARD generating (non-PAG):  $TIC/AP > 3$  or total sulphur  $\leq 0.1\%$ .
- Uncertain:  $1 \leq TIC/AP < 3$  and total sulphur  $> 0.1\%$ .
- PAG:  $TIC/AP < 1$  and total sulphur  $> 0.1\%$ .

Interpretations of values of NP/AP were the same as TIC to AP. The criteria for TIC/AP and NP/AP values follows guidance from MEND (2009) and the sulphur criterion is based on Day and Kennedy (2015), which takes into consideration ability of acid-consuming silicate minerals to neutralize weak acidity. Samples with a total sulphur content  $< 0.10\%$  are classified as non-PAG regardless of the TIC/AP ratio.

### **4.3.2 ML Potential**

Trace element data for solid samples were compared to ten times average crustal abundance (CA) for basalt (Price 1997) as an indicator of enrichment. Selenium could not be assessed if concentrations were below the detection limit or within the range of analytical error.

## 5 Waste Rock from Doris Mine

The purpose of the monitoring program is to geochemically characterize waste rock stored on surface and compare the geochemical characteristics with the baseline geochemical characterization program (SRK 2015a).

In 2025, the Doris Mine was in care and maintenance. There was no production of waste rock or ore.

## 6 Waste Rock from Madrid North Mine

The purpose of the monitoring program is to geochemically characterize waste rock stored on surface and compare that the geochemical characteristics with the baseline geochemical characterization program (SRK 2017). The mine plan for Madrid North includes three portals: Naartok West, Naartok East and Patch 7. In 2025, waste rock production at Madrid North included development rock from the ramps extending from the Naartok West, Naartok East and Patch 7 portals (Section 3.1.2). All waste rock was placed at the Naartok Waste Pile.

### 6.1 Methods

#### 6.1.1 Geological Inspection

Protocols for geological inspections of waste rock from the underground mine are documented in Agnico Eagle (2022). Agnico Eagle site geologists inspect and document the fronts and back of the blast face and maintain internal records of these inspections.

#### 6.1.2 Sample Collection and Geochemical Test Work Program

Waste rock from the underground placed on the Madrid North WRSA may be inaccessible and/or indistinguishable from NE CPR waste rock. Furthermore, as of 2025, waste rock production is from portals. Accordingly, geochemical sample collection of underground waste rock is conducted prior to placement on the WRSA. The geochemical sampling and testing frequency of underground waste rock is a minimum of one sample per 20,000 tonnes of rock from each portal or mining front. In 2025 TMAC collected seven samples from the Naartok East ramp, and three samples from the Naartok West ramp with a resulting sample density of one sample per 3,000 t at Naartok East and one sample per 13,000 t at Naartok West. Both sample sets met the sampling density requirements for both Naartok East and West zones. The sample lithologies within Naartok East were dominantly logged as mafic metavolcanics (1a) and to a lesser extent ultramafic volcanics with sediments (1as) and ultramafic volcanics (1u), including one sample which hosted moderate hematite alteration associated with faulting. Naartok West samples were solely logged as mafic metavolcanics (1a). All samples were submitted to Bureau Veritas (BV) in Burnaby, BC for ABA and elemental analysis.

### 6.2 Results

#### 6.2.1 Geological Inspection

Based on underground geological mapping by Agnico Eagle, waste rock intersected by the Madrid North underground workings in 2025 was geologically logged as follows:

- Naartok East: estimated 60% massive to pillowed mafic volcanics (1a, 1p, 1pv) with up to 1% fine to medium-grained pyrite and 1-3% calcite-filling fractures; 25% ultramafic volcanics (1u); and 15%

interlayered intermediate to felsic flows or tuffs (3a, 3b). The mafic volcanics hosted weak to moderate sericitic alteration and albitic alteration to a lesser extent.

- Naartok West: estimated 50% dominantly pillowed mafic volcanics (1a, 1as, 1p, 1i) sometimes sericite-altered and hosting weak to moderate quartz-calcite veining; approximately 40% ultramafic volcanics (1u); and 10% scattered intermediate to felsic flows or tuffs (2p, 3a, 3b) to a lesser extent, some areas noted as having hematite staining on joints.
- Patch 7: No underground activity conducted at Patch 7.

## 6.2.2 ABA

A summary of ABA and trace element content for the seven Naartok East and three Naartok West samples are presented in Table 6-1 and Figure 6-1 to Figure 6-4 Complete results are presented in Attachment 1.

**Table 6-1: Summary of 2025 UG Blast Sample ABA Analyses**

Portal	Rock Code	Sample ID	Paste	Total	Sulphate	Sulphide	TIC	Modified	NP/AP	TIC/AP
			pH	Sulphur	%S	%S	%S	kg	kg	Unitless
			Units	%S	%S	%S	CaCO3/t	CaCO3/t		
<b>Naartok East</b>	1a	C015233	7.9	0.11	0.04	0.07	200	160	46	59
	1a	C015245	9.3	0.76	0.01	0.75	390	320	13	16
	1a	C015246	8.4	0.2	0.01	0.19	250	230	37	39
	1a	CAHBC108934	7.1	0.2	0.01	0.19	130	140	22	21
	1as	C015244	8.8	0.48	0.01	0.47	230	220	14	15
	1as	CAHBM105039	8.3	0.47	0.02	0.45	350	330	22	24
	1u	C015247	7.9	0.35	0.02	0.33	96	110	10	8.8
<b>Naartok West</b>	1a	CAHBC108991	7.4	0.15	0.03	0.12	210	190	41	44
	1a	CAHBM105028	7.8	0.13	0.02	0.11	150	160	40	37
	1a	CAHBM105040	8.2	0.08	0.01	0.07	120	120	49	48

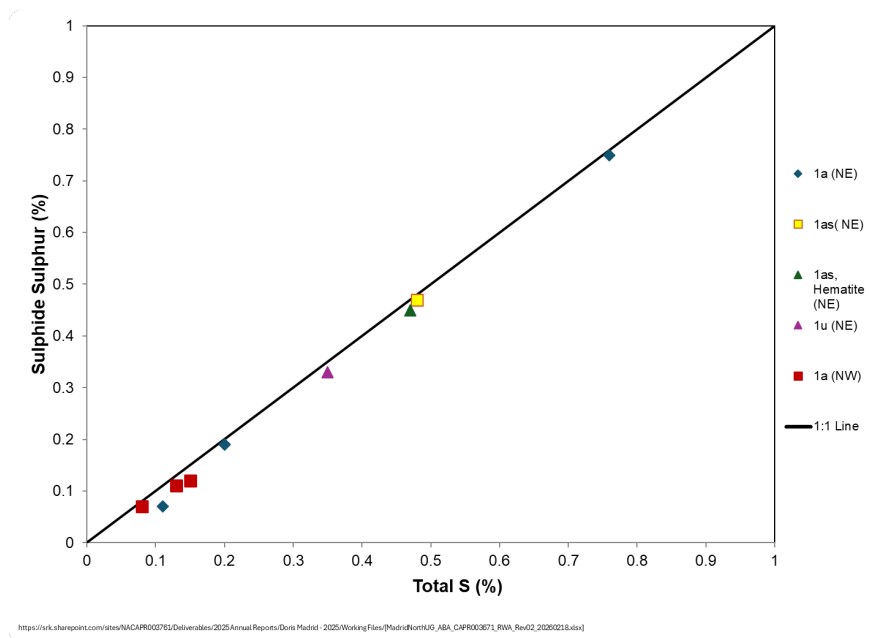
Sources: [https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/Working Files/\[Madrid North UG\\_ABA\\_CAPR003671\\_RWA\\_Rev02\\_20260218.xlsx\]](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/Working%20Files/[Madrid%20North%20UG_ABA_CAPR003671_RWA_Rev02_20260218.xlsx])

**Notes:**

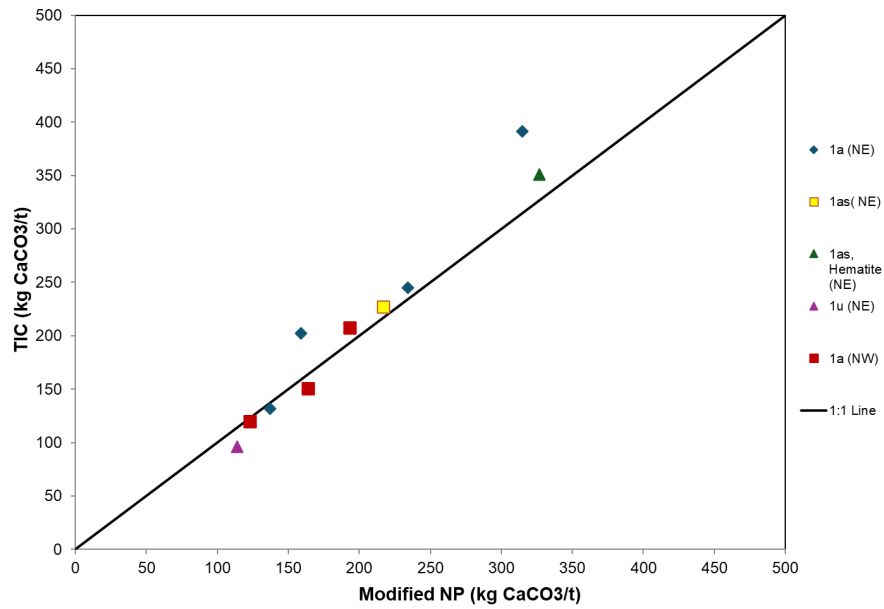
Refer to section 6.2.2

Values of paste pH for the ten Madrid North waste rock samples ranged from 7.1 to 9.3 with a median of 8.1. Total sulphur content ranged from 0.08% to 0.15% for Naartok West samples and from 0.11% to 0.76% for Naartok East. There were no clear trends in sulphur content with rock type. Sulphate content was near analytical detection (0.01%). Sulphide sulphur, calculated as the difference between total sulphur and sulphate, ranged from 0.07% to 0.75% and was at near parity with total sulphur. Accordingly acid potential (AP) is calculated from total sulphur.

Modified NP was between 110 and 330 kg CaCO<sub>3</sub>/t compared to TIC content between 96 to 390 kg CaCO<sub>3</sub>/t. For samples with TIC < 200 kg CaCO<sub>3</sub>/t, NP and TIC content was near equivalent. For samples with TIC > 200 kg CaCO<sub>3</sub>/t, TIC was greater than NP, indicating that TIC overestimates the amount of carbonate available for buffering due to the presence of NP-neutral iron and/or manganese carbonates. All samples were classified as non-PAG on the basis of TIC/AP and NP/AP.

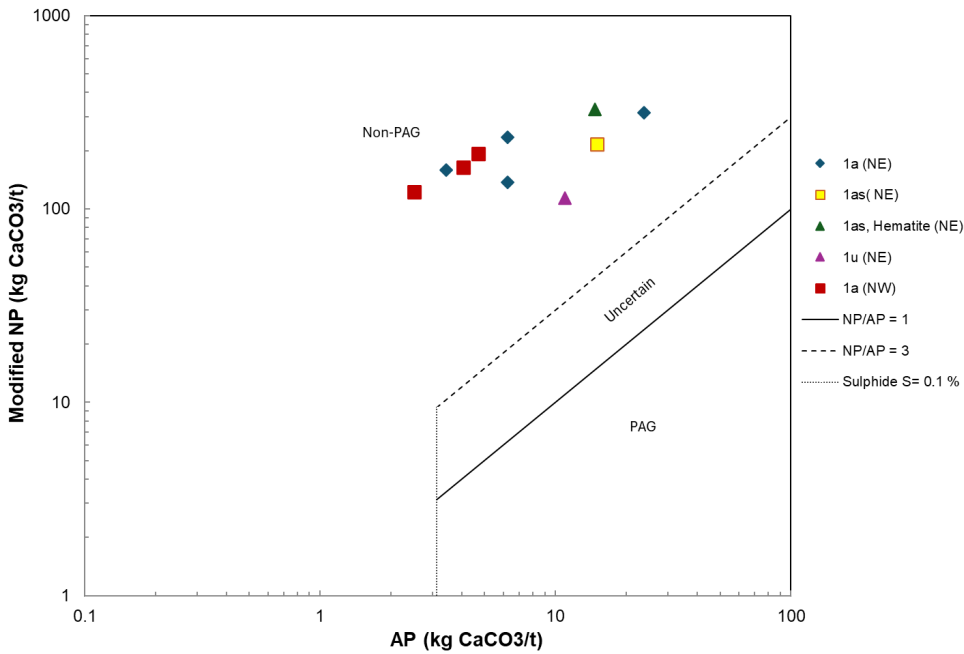


**Figure 6-1: Comparison of Total Sulphur and Sulphide Sulphur**



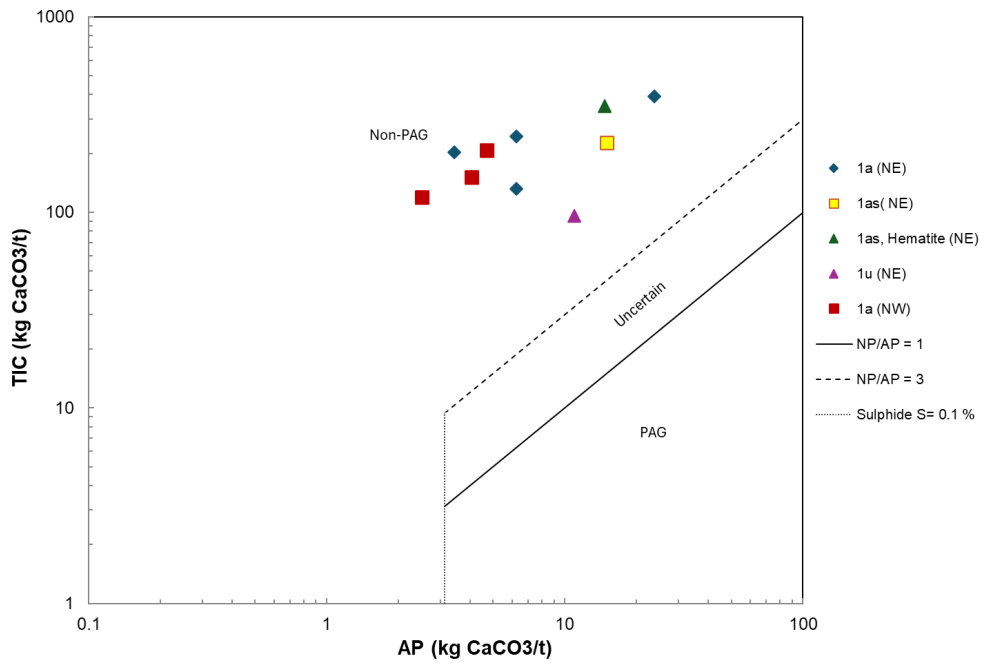
[https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/WorkingFiles/MadridNorth0\\_ABA\\_CAFR003671\\_RWA\\_Rev02\\_20260218.xlsx](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/WorkingFiles/MadridNorth0_ABA_CAFR003671_RWA_Rev02_20260218.xlsx)

Figure 6-2: Comparison of Modified NP and TIC



[https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/WorkingFiles/MadridNorth0\\_ABA\\_CAFR003671\\_RWA\\_Rev02\\_20260218.xlsx](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/WorkingFiles/MadridNorth0_ABA_CAFR003671_RWA_Rev02_20260218.xlsx)

Figure 6-3: ARD Classifications by NP/AP



[https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/WorkingFiles/MadridNorth/MJG\\_ABA\\_CAFR0003671\\_RWA\\_Rev02\\_20260218.xlsx](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid-2025/WorkingFiles/MadridNorth/MJG_ABA_CAFR0003671_RWA_Rev02_20260218.xlsx)

**Figure 6-4: ARD Classifications by TIC/AP**

### 6.2.3 Elemental Analysis

Trace element results were compared to ten times average crustal abundance for basalt (Price 1997) as an indicator of enrichment. Selenium could not be assessed because the detection limit is equal to the screening criterion and concentrations were below the detection limit or within the range of analytical error. Arsenic was enriched five to nine times higher than the screening criterion for three samples from Naartok East; two logged as sericite-altered mafic volcanics (1as) and one mafic volcanic (1a). All other parameters were less than ten times the average crustal abundance for basalt indicating no appreciable enrichment.

**Table 6-2: Summary of 2025 UG Blast Samples for Aqua Regia Element Analysis**

Sample ID	Ag	Al	As	Au	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn	
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
DL		0.01	0.1		20	0.5	0.002	0.01	0.01	0.1	0.5	0.01	0.01	0.1	5	0.01	0.5	0.01	1	0.01	0.001	0.1	0.001	0.01	0.02	0.02	0.1	0.1	0.5	0.02	0.1	0.001	0.02	0.05	2	0.05	0.1	
<b>C015233</b>	0.063	4.1	2.3	0.23	<20	2.9	<0.02	6.9	0.07	36	66	100	7.1	12	<5	<0.01	2.2	2.8	1400	0.2	0.016	44	0.025	0.69	0.09	0.02	27	0.4	61	0.03	<0.1	0.036	<0.02	<0.1	210	<0.1	72	
<b>C015245</b>	0.39	1.2	160	1.2	<20	49	0.03	6.7	0.08	49	230	190	7.2	6.2	<5	0.07	4.4	3.4	1400	0.48	0.025	200	0.07	1.7	0.82	0.25	21	0.7	130	0.08	0.3	0.014	<0.02	<0.1	140	0.2	43	
<b>C015246</b>	0.088	2.2	0.6	0.0005	<20	20	0.03	8	0.11	73	630	200	6.2	11	<5	0.27	9.7	2.5	1900	0.49	0.1	860	0.059	1.2	0.18	<0.02	4.7	0.3	130	<0.02	0.5	0.44	0.06	0.1	170	<0.1	46	
<b>CAHBC10 8934</b>	0.05	2.9	6.3	0.0017	<20	150	0.03	5	0.06	49	220	210	9.1	15	<5	0.36	11	3.2	1100	0.7	0.094	130	0.072	2.3	0.22	0.04	17	0.5	110	<0.02	0.5	0.4	0.09	0.1	280	<0.1	93	
<b>C015244</b>	0.12	2	100	0.14	<20	13	0.03	5	0.07	41	260	140	5	5.1	<5	0.05	3.8	3	1300	0.46	0.022	180	0.042	1.6	0.52	0.21	10	0.6	73	0.04	0.4	0.14	0.05	<0.1	98	0.2	46	
<b>CAHBM10 5039</b>	0.24	1.4	180	0.75	<20	58	0.04	6.1	0.07	55	230	210	8	5.8	6	0.1	5.6	3.6	1700	0.81	0.026	240	0.12	2.7	0.5	0.2	16	0.5	110	0.06	0.4	0.004	0.03	<0.1	100	0.2	50	
<b>C015247</b>	0.1	2.4	14	0.0015	21	91	0.04	4.5	0.09	87	730	270	6	13	<5	0.5	9.7	2.2	1100	0.73	0.064	900	0.071	2.5	0.37	0.04	5.4	0.8	70	0.03	0.9	0.72	0.16	0.2	180	0.1	52	
<b>CAHBC10 8991</b>	0.04	3.6	1.3	0.0019	<20	4.5	0.02	6.4	0.09	37	270	110	5.9	9.4	<5	0.01	1.4	3.8	1400	0.18	0.017	74	0.02	1.3	0.15	0.02	14	0.6	23	0.03	0.1	0.16	<0.02	<0.1	160	<0.1	71	
<b>CAHBM10 5028</b>	0.068	4.3	4.8	0.0023	<20	2.7	<0.02	5.3	0.18	51	320	90	8.6	12	<5	0.01	3.4	3.8	1400	0.16	0.027	200	0.039	2.8	0.11	0.04	28	0.4	44	<0.02	0.1	0.05	<0.02	<0.1	220	<0.1	120	
<b>CAHBM10 5040</b>	0.007	3.7	3.5	0.0039	<20	12	0.03	3.7	<0.01	36	360	85	6.2	10	<5	0.02	4.7	4.6	1200	0.27	0.039	81	0.032	0.51	0.06	0.03	17	0.2	19	0.02	0.2	0.061	<0.02	<0.1	160	<0.1	77	

Sources: [https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/Working Files/\[MadridNorthUG\\_ABA\\_CAPR003671\\_RWA\\_Rev02\\_20260218.xlsx\]](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/Working Files/[MadridNorthUG_ABA_CAPR003671_RWA_Rev02_20260218.xlsx])

**Notes:**

Refer to section 6.2.3

Selenium enrichment could not be assessed due to 10x Crustal Abundance (Basalt) values reported below detection limit.

## 7 Quarry Rock and As-Built Construction Materials

Monitoring requirements for quarries and quarry rock associated with Hope Bay are specified in Water Licence (NWB 2018), Water Licence 2BE-HOP1232 (NWB 2022), the Framework Agreement signed between TMAC and the Kitikmeot Inuit Association (KIA) for belt wide land tenure and the QMP (Agnico Eagle 2022b).

### 7.1 Methods

#### 7.1.1 Quarry Monitoring

Quarry activities in 2025 included 12 blasts at Quarry AF, 53 blasts at Quarry D, and 9 blasts at Sump 1. As per the QMP (Agnico Eagle 2022b), Agnico Eagle geologists conducted visual geological inspections of the active quarry face at least once per week during periods of active blasting to verify geological characteristics, including lithology according to the Hope Bay geological logging codes, sulphide content (type, quantity, and habit), carbonate content (type, quantity, and fizz test with 10% HCl), evidence of oxidation and the presence or absence of fibrous actinolite.

Table 7-1 presents a summary of geological inspections and sample collection for geochemical characterization according to the methods outlined in the QMP. Sample collection of ROQ rock for geochemical characterization of Quarry D was conducted twice per year as per the methods in Section 3.1.3 of the QMP (Agnico Eagle 2022b). Two sets of samples were also collected at Quarry AF and Sump 1. One set of samples was collected at Quarry 2 and Quarry E (was not in operation in 2025). The samples collected from all quarries for geochemical characterization were also geologically described (see Section 0). As-built construction monitoring for specific infrastructure will be conducted as construction is completed (Section 7.1.2).

**Table 7-1: Summary of Quarry Sample collection date and number of samples collected**

Location	Sample collection date	Samples Collected <sup>1</sup>
Sump 1	28-May-25	2
	19-Jun-25	2
Quarry 2 <sup>2</sup>	20-Jun-25	2
Quarry AF	02-Jul-25	2
	09-Aug-25	2
Quarry D	28-May-25	2
	20-Jun-2025	2
Quarry E	20-Jun-25	2

Sources: This document.

**Notes:**

<sup>1</sup> Complete ABA analysis in progress at time of report writing.

<sup>2</sup> No blasting at Quarry 2 and Quarry E. Rock from other quarries brought to Quarry 2 for crushing. Refer to Section 2.2.

Appendix A1 includes quarry inspection records, and sample descriptions for all quarries. Appendix A includes all available lab data for Sump 1, Quarry 2, Quarry AF, Quarry D, and Quarry E. Both fractions sampled were analyzed for total sulphur.

For the Quarry rock samples collected in 2025, only total sulphur has been received for reporting. For samples with total sulphur > 0.1%, ABA, trace element, and SFE analyses are currently in progress. Results of these analyses will be provided as an addendum to this report. For three rock samples collected in 2025, total sulphur values did not exceed 0.10% and therefore did not require further testing, as summarized in Section 4.1.

### **7.1.2 As-Built Construction Monitoring**

As-built construction monitoring for the Hope Bay Project is conducted during the summer months due to heavy winter snow cover. In accordance with the Quarry Management and Monitoring Plan, geological inspection and geochemical sampling are completed following construction of infrastructure. Construction began in 2024 and continued in 2025. Accordingly, as-built construction sampling will be conducted after construction is completed.

## 7.2 Results and Discussion

### 7.2.1 QA/QC

The QA/QC program executed by the analytical laboratories and SRK is described in Section 4.2. All data passed QC checks. SRK accepted all values as received.

### 7.2.2 Quarry Monitoring

#### Quarry Face Inspections

Inspection forms are included in Appendix A1. Quarry blast face inspections conducted by Agnico Eagle in 2025 are summarized as follows:

- Sump 1: two inspections in May and June 2025 indicated fine to medium grained mafic volcanic rocks containing small veins with a quartz/carbonate structure, and some traces of sulphides.
- Quarry 2: one inspection in June 2025 indicated mafic volcanics rocks containing small veins with a quartz/carbonate structure, and some disseminated fine-grained sulphides.
- Quarry AF: eight inspections in 2025 indicated the presence of mafic volcanic rocks with some local weak hematite alterations associated with joints and fractures, and some disseminated fine-grained sulphides.
- Quarry D: the twenty-three quarry blast face inspections in 2025 indicated the presence of mafic volcanics (strongly to weakly foliated basalt) with some evidence of weakly to strongly hematitized alteration and occasionally the presence of oxidized zones. The presence of fine-grained disseminated pyrite (~0.01%) was also noted during most inspections.
- Quarry E: one inspection in June 2025 indicated mafic volcanics rocks containing small veins with a quartz/carbonate structure, and some disseminated fine-grained sulphides.

The absence of fibrous actinolite was noted for all samples collected across the different quarries.

#### Acid Base Accounting (ABA)

Table 7-2 presents the total Sulphur data for Sump 1, Quarry 2, Quarry AF, Quarry D, and Quarry E. Full ABA testing is still in progress, and full results will be provided as an addendum to this report.

Sump 1: total sulphur concentrations varied from 0.098 to 0.13% for the coarse fraction and 0.14 to 0.16% for the fine fraction.

Quarry 2: total sulphur concentration was 0.16% for both coarse and fine fractions.

Quarry AF: total sulphur concentrations varied between 0.09 and 0.15% for the coarse fraction and 0.14 and 0.16% for the fine fraction.

Quarry D: total sulphur concentrations varied from 0.16 to 0.17% for the coarse fraction and 0.098 to 0.15% for the fine fraction.

Quarry E, total sulphur concentrations were 0.17 and 0.15% for the coarse and fine fractions, respectively.

**Table 7-2: Summary of Total Sulphur<sup>1</sup> Analyses for Quarry Monitoring Samples**

Rock Source	Sample Date	Sample ID	Sieve Size	Total S %
Sump 1	28/05/2025	C015242	< 2mm	0.16
		C015243	<1 cm	0.13
	19/06/2025	C015240	< 2mm	0.14
		C015241	<1 cm	0.098 <sup>2</sup>
Quarry 2	20/06/2025	C015238	< 2mm	0.16
		C015239	<1 cm	0.16
Quarry AF	02/07/2025	CAHBM105026	<1 cm	0.15
		CAHBM105027	< 2mm	0.16
	09/08/2025	CAHBM105030	<1 cm	0.09 <sup>2</sup>
		CAHBM105031	< 2mm	0.14
Quarry D	28/05/2025	CAHBM102176	<1 cm	0.17
		CAHBM102177	< 2mm	0.098 <sup>2</sup>
	20/06/2025	C015234	<1 cm	0.16
		C015235	< 2mm	0.15
Quarry E	20/06/2025	C015236	<1 cm	0.17
		C015237	< 2mm	0.15

Source: [https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/\[HopeBay\\_Quarry\\_Table\\_CAPR003761\\_2025\\_Rev01.xlsx\]](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/020_Tables/[HopeBay_Quarry_Table_CAPR003761_2025_Rev01.xlsx])

**Notes:**

<sup>1</sup>Complete ABA, trace metals, and SFE testing is underway and will be provided as an addendum to this report.

<sup>2</sup>Further analysis is not required because total sulphur values do not exceed 0.10%.

### 7.2.3 As-Built Construction Monitoring

As-built construction monitoring for the Hope Bay Project is conducted during the summer months due to heavy winter snow cover. In accordance with the Quarry Management and Monitoring Plan, geological inspection and geochemical sampling are completed following construction of infrastructure. Construction began in 2024 and continued in 2025, sampling will be conducted once construction is finalized.

## 8 Tailings

### 8.1 Background

Historically, the Doris processing plant comprised of two sections: the concentrate lines (CL1 and CL2) and the Concentrate Treatment Plant (CTP). Cyanide was a reagent used exclusively in the CTP to dissolve gold from the solid concentrate which is then captured by resin. The concentrate lines (CL) react poorly to the presence of cyanide and so this side must be kept free of cyanide for the process to perform well. During periods when the CTP was operational, cyanide destruction was achieved using the INCO SO<sub>2</sub> process. The resulting detoxified slurry was filtered, and the solids (TL-7A) were combined with waste rock and placed underground as permanent backfill. The detoxified tailings filtrate (TL-7B) was pumped to the tailings thickener where it is combined with the flotation tailings slurry. Tailings slurry supernatant (TL-5) and solids (TL-6) were discharged to the TIA. The detoxification circuit was historically operated to produce a total cyanide level of less than one part per million (1 ppm).

Hope Bay initiated ore processing at the Doris mill and commenced deposition of flotation tailings in the Doris tailings impoundment area (TIA) in January 2017, and placement of detoxified tailings as backfill in stopes of the Doris Mine in February 2017. The geochemical monitoring of tailings commenced in February 2017. In October 2019, ore processing started from Madrid North (Naartok East Crown Pillar Recovery, NE CPR) at the Doris mill. Ore from the NE CPR is blended with Doris ore for processing at a target ratio of a maximum 25% Naartok East ore to 75% Doris ore. The Doris mill was fully decommissioned and dismantled in 2025.

Since there was no tailings production in 2025, these activities did not occur. Seepage surveys of the backfilled detoxified tailings (TL-11) continue to be conducted bi-annually.

### 8.2 Methods

As discussed in Section 3.4, the process plant was fully decommissioned and dismantled in 2025 and accordingly the scope of tailings monitoring was limited to the underground seepage monitoring program in accordance to the Waste Rock, Ore, and Mine Backfill Management Plan (Agnico Eagle 2022a).

## 8.2.1 Sample Collection and Analysis

### Seepage Survey of Underground Backfilled Stopes (TL-11)

Schedule I (Table 3) of the Water License specifies bi-annual seepage surveys of underground backfilled stopes with opportunistic sampling of seepage for the analysis according to Section 0.

Agnico Eagle completed underground seepage inspections of backfilled stopes in October and November 2025. Visual surveys were limited to all backfilled stopes that could be accessed safely at the time of the survey. Three seepage locations were sampled in October and two locations were sampled in November.

During the October sampling survey, Agnico Eagle collected three seepage samples from areas where active flow was observed. No flow measurement was taken. The locations are summarized as follows:

- Level 114-Right - Low flow seep located on the right side of the toe of the backfill creating a pool approximately 2 cm deep.
- Level 114-Left - Low flow seep located on the left side of the toe of the backfill.
- Level 110- Low flow seep observed at some distance from the toe of the backfill creating a pool approximately 3 cm deep.

In November, Agnico Eagle collected two samples from the following locations. At each of the locations, a visual estimate of moderate flow was recorded but no numerical measurements were taken. The water in each of the samples was reported to be clear. The locations are summarized as follows:

- Level 114 - Flow was visible at the toe of the backfill creating a pool with a maximum depth of approximately 10 cm. A sample was collected from this seep
- Level 120 – Flow was visible at the toe of the backfill creating a pool with a maximum depth of approximately 10 cm. A sample was collected from this seep.

At each seepage station, Agnico Eagle recorded field measurements and collected samples for the test work program outlined in Section 0.

## 8.3 Results and Discussion

### 8.3.1 QA/QC

The data from the underground stope seepage samples (TL-11) all passed SRK's QC checks except for the following:

- Total Suspended Solids failed for the field duplicates (35% RDP) but the parent sample was <10 times the detection limit. The dissolved metals for calcium, magnesium, manganese, potassium, sodium, and strontium failed but were accepted because of the lab reported results verified by repeated analysis.



**Table 8-1: Summary of Underground Stope Seepage and Ponded Water Samples (TL-11)**

Sample ID	Units	October			November		Historical Statistics (2017-2024)		
		TL11-114-Right	TL11-114-Left	TL11-110	TL11-114	TL11-120	P05	P50	P95
Date Sampled		2025-10-01 7:00	2025-10-01 7:20	2025-10-01 7:55	2025-11-26 8:15	2025-11-26 7:50			
Parameter		Water	Water	Water	Water	Water	n=47	n=47	n=47
Flow Rate	L/s	Medium Flow, No Measurement Recorded	Medium Flow, No Measurement Recorded	Medium Flow, No Measurement Recorded	Moderate Flow, No Measurement Recorded	Moderate Flow, No Measurement Recorded			
pH	pH	8.2	8.3	8.1	8.1	8.1	6.7	8	8.4
Conductivity	uS/cm	5300	6600	15000	8500	11000	520	16000	100000
Total Suspended Solids	mg/L	30	14	28	28	50	3	45	650
Total Dissolved Solids	mg/L	2900	3900	9700	-	-	410	10000	73000
Sulphate (SO4)	mg/L	260	270	880	350	420	41	830	1300
Alkalinity, Total (as CaCO3)	mg/L	180	230	260	190	180	45	210	250
Chloride (Cl)	mg/L	1500	2000	5100	2800	3800	170	6800	47000
Calcium (Ca)-Dissolved	mg/L	100	93	290	120	130	47	300	14000
Magnesium (Mg)-Dissolved	mg/L	110	150	380	170	210	16	380	1600
Potassium (K)-Dissolved	mg/L	34	43	87	55	69	3	90	550
Sodium (Na)-Dissolved	mg/L	810	1100	2500	1500	2000	58	2900	11000
Cyanide, Total	mg/L	0.041	0.0071	0.012	-	-	0.005	0.017	0.32
Cyanide, Weak Acid Diss	mg/L	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.013	0.005	0.005	0.023
Cyanide, Free	mg/L	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.005	0.005	0.02
Ammonia, Total (as N)	mg/L	0.087	0.033	0.39	0.63	0.26	0.029	1.7	300
Nitrate (as N)	mg/L	2.1	1.9	0.97	7.4	0.79	0.29	9	520
Nitrite (as N)	mg/L	0.028	0.05	0.05	0.51	0.12	0.0035	0.52	14
Aluminum (Al)-Dissolved	mg/L	0.009	<i>0.005</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	0.005	0.02	0.094
Antimony (Sb)-Dissolved	mg/L	0.0011	<i>0.0005</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	0.00024	0.002	0.005
Arsenic (As)-Dissolved	mg/L	0.0046	0.0093	0.0014	0.0038	0.0032	0.00076	0.0027	0.0059
Barium (Ba)-Dissolved	mg/L	0.028	0.031	0.028	0.029	0.031	0.0065	0.031	0.53
Beryllium (Be) Dissolved	mg/L	<i>0.0001</i>	<i>0.0001</i>	<i>0.0002</i>	<i>0.0002</i>	<i>0.0002</i>	0.00006	0.0004	0.0088
Boron (B)-Dissolved	mg/L	0.71	1	1.7	1.3	1.5	0.067	1.8	3.4
Cadmium (Cd)-Dissolved	mg/L	<i>0.000025</i>	<i>0.000025</i>	0.00019	<i>0.00005</i>	<i>0.00005</i>	0.000018	0.00021	0.031
Chromium (Cr)-Dissolved	mg/L	<i>0.0025</i>	<i>0.0025</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.0005	0.005	0.01
Cobalt (Co)-Dissolved	mg/L	0.0066	0.002	0.0084	0.0046	0.001	0.00068	0.017	0.21
Copper (Cu)-Dissolved	mg/L	0.0068	0.0021	0.013	0.0087	<i>0.002</i>	0.0041	0.015	0.56
Iron (Fe)-Dissolved	mg/L	0.052	<i>0.05</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	0.021	0.12	0.5
Lead (Pb)-Dissolved	mg/L	<i>0.00025</i>	<i>0.00025</i>	<i>0.0005</i>	<i>0.0005</i>	<i>0.0005</i>	0.0001	0.0008	0.14
Manganese (Mn)-Dissolved	mg/L	0.14	0.07	0.39	0.21	0.35	0.025	0.77	9.5
Molybdenum (Mo)-Dissolved	mg/L	0.0028	0.0049	0.003	0.0046	0.0064	0.0006	0.004	0.031
Nickel (Ni)-Dissolved	mg/L	0.0058	<i>0.0025</i>	0.022	0.012	0.005	0.0011	0.032	0.36
Selenium (Se)-Dissolved	mg/L	0.00038	<i>0.00025</i>	0.0019	<i>0.0005</i>	<i>0.005</i>	0.00023	0.0018	0.014
Silver (Ag)-Dissolved	mg/L	<i>0.00005</i>	<i>0.00005</i>	0.00016	<i>0.0001</i>	<i>0.0001</i>	0.00001	0.0002	0.038
Strontium (Sr)-Dissolved	mg/L	0.94	1.2	3	1.7	1.8	0.1	3.3	32
Sulfur (S)-Dissolved	mg/L	100	100	320	130	150	18	300	590
Zinc (Zn)-Dissolved	mg/L	0.011	0.0097	0.028	0.01	<i>0.01</i>	0.0087	0.028	1.7

Source: [https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/\[NACAPR003761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_if\\_rev00.xlsx\]](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/020_Tables/[NACAPR003761_HopeBay_TailingsMonitoringData_2025_TL7B%20&TL11_Charts_if_rev00.xlsx])

**Notes:**  
*Blue italics* = Value less than laboratory detection limit. Detection limit shown.  
 Metal(loid) concentrations are reported as dissolved.

Potential sources of the major ions include i) residual process reagents in tailings (sodium), ii) sulphide oxidation with resulting carbonate dissolution from waste rock and detoxified tailings (sulphate, calcium and magnesium), iii) drilling brine used from underground activities (calcium and chloride) and iv) saline groundwater (seawater composition).

All 2025 seepage samples have a major cation chemistry dominated by sodium (810 to 2,500 mg/L). Chloride is the dominant anion (1,500 to 5,100 mg/L). Concentrations of other major ions were low (<400 mg/L) other than sulphate, which ranged from 260 to 880 mg/L. These major ions are characteristic of seawater. Seepage concentrations are more dilute than seawater, however these samples are likely indicative of saline groundwater.

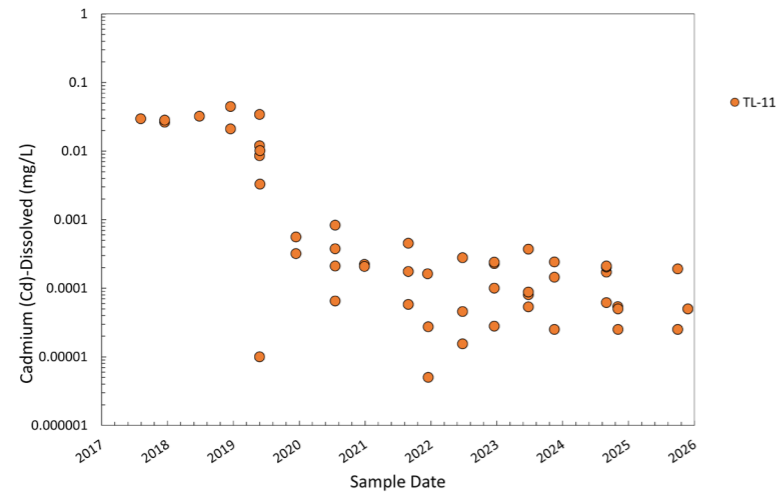
The 2022 annual report (SRK, 2023) noted a data trend where the majority of underground seepage samples collected since 2020 were influenced by saline groundwater whereas the majority of samples collected between 2017 to 2019 were not. The seepage samples collected in 2025 follows this trend.

Figure 8-2 to Figure 8-11 present the TL-11 monitoring samples collected since 2017 for key parameters. The results of the October and November 2025 seepage surveys are summarized as follows:

- The decrease in EC from 2020 onwards coincides with a decrease in concentrations of a number of key parameters including dissolved cadmium (Figure 8-2), cobalt (Figure 8-3), copper (Figure 8-4), nickel (Figure 8-5), selenium (Figure 8-6), zinc (Figure 8-7), and silver (Figure 8-11). These trends continued through 2025.
- One or more samples reported some parameter concentrations greater than the 50<sup>th</sup> percentile from the historical sample set including TSS, total alkalinity, sulphate, and dissolved concentrations of arsenic, barium, molybdenum, rubidium, selenium, silicon, and uranium. All seepage sample results were below the 95<sup>th</sup> percentile from the historical sample set.
- The sample collected from the waste pile at the base of Level 110 reported the highest sulphate concentrations, at 880 mg/L (Figure 8-8). This result was greater than the 50<sup>th</sup> percentile from the historical sample set and it is possible that contact with the waste rock is contributing to the sulphate load in this seepage sample. Sulphate concentrations in all other seepage samples ranged between 260 and 420 mg/L.
- Total alkalinity timeseries data is plotted in Figure 8-9. Two samples had concentrations between the 50<sup>th</sup> and 95<sup>th</sup> percentile from the historical sample set (230 and 260 mg/L as CaCO<sub>3</sub>) where as others were lower.
- Dissolved arsenic was above the 50<sup>th</sup> percentile from the historical sample set in four seepage sample, ranging from 0.0032 to 0.0093mg/L but lower in the sample from Level 110 (Figure 8-10). The higher dissolved arsenic results reported at Level 114 are consistent with the results of previous seepage sampling in this area (SRK 2023, 2024, and 2025).
- Levels of ammonia, nitrate, and nitrite were below the 50<sup>th</sup> percentile from the historical sample set in all of the seepage samples.

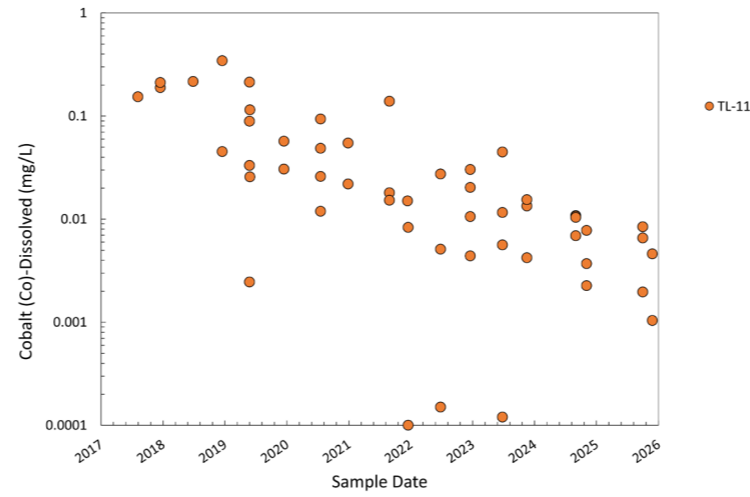
- Chromium concentrations were below analytical limits of detection in all seepage samples, but the detection limit varied between <0.0025 and <0.0050 mg/L.
- Zinc was below the 50<sup>th</sup> percentile from the historical sample set in all samples (below the limit of detection of 0.01 mg/L to 0.028 mg/L).
- One sample reported a total cyanide concentration between the 50<sup>th</sup> and the 95<sup>th</sup> percentile from the historical sample set, all the others were below (ranging from 0.0059 to 0.013 mg/L). WAD and free cyanide results were below the analytical limit of detection in all seepage samples.
- The results suggest that seepage samples collected between 2017 and 2019 represent contact water of detoxified tailings whereas concentrations in samples collected between 2020 and 2022 are more dilute and likely represent contact water mixed with saline groundwater. Concentrations in 2023 seepage samples were similarly dilute, however without chloride data, a saline source could not be assessed. 2024 and 2025 seepage samples are consistent with post-2019 trends, suggesting continued contact water mixed with saline groundwater.

Figure 8-2: Dissolved cadmium timeseries plot for underground seepage (TL-11)



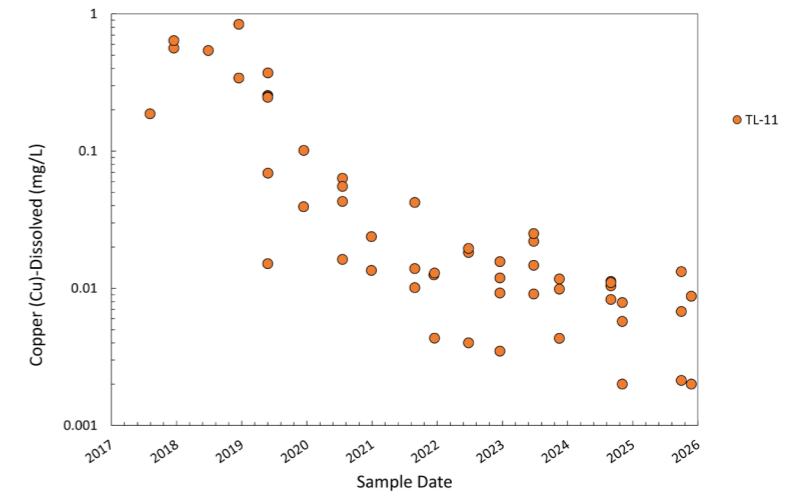
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Figure 8-3: Dissolved cobalt timeseries plot for underground seepage (TL-11)



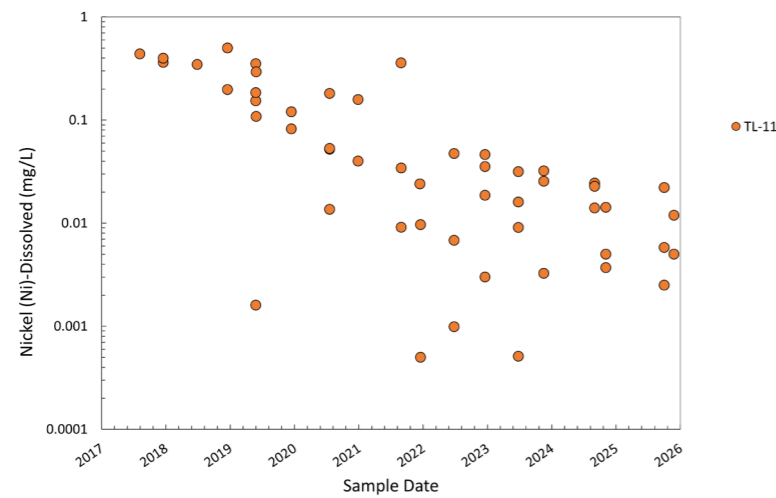
[https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/NACAPR003761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_F\\_rev00.xlsx](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020_Tables/NACAPR003761_HopeBay_TailingsMonitoringData_2025_TL7B%20TL11_Charts_F_rev00.xlsx)

Figure 8-4: Dissolved copper timeseries plot for underground seepage (TL-11)



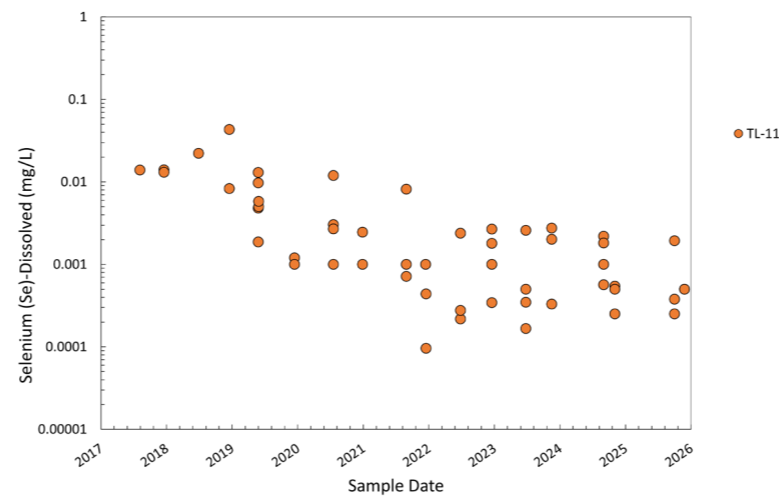
[https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/NACAPR003761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_F\\_rev00.xlsx](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020_Tables/NACAPR003761_HopeBay_TailingsMonitoringData_2025_TL7B%20TL11_Charts_F_rev00.xlsx)

Figure 8-5: Dissolved nickel timeseries plot for underground seepage (TL-11)



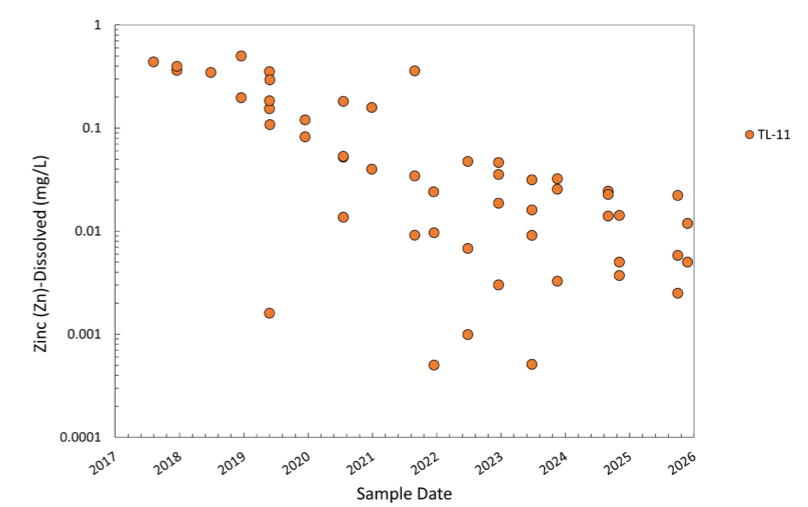
[https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/NACAPR003761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_F\\_rev00.xlsx](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020_Tables/NACAPR003761_HopeBay_TailingsMonitoringData_2025_TL7B%20TL11_Charts_F_rev00.xlsx)

Figure 8-6: Dissolved selenium timeseries plot for underground seepage (TL-11)



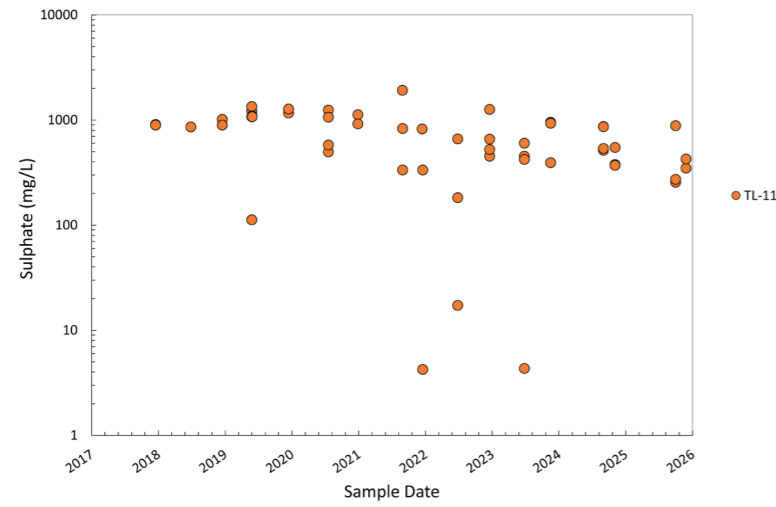
[https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/NACAPR003761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_F\\_rev00.xlsx](https://srk.sharepoint.com/sites/NACAPR003761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020_Tables/NACAPR003761_HopeBay_TailingsMonitoringData_2025_TL7B%20TL11_Charts_F_rev00.xlsx)

Figure 8-7: Dissolved zinc timeseries plot for underground seepage (TL-11)



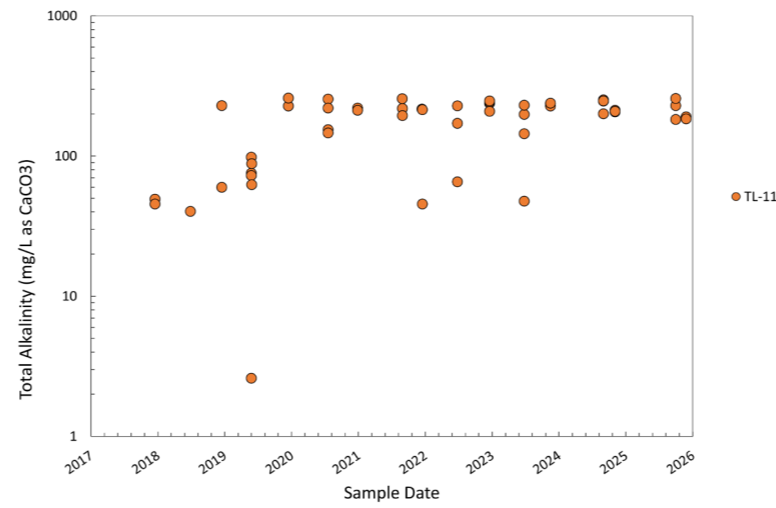
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**Figure 8-8: Sulphate timeseries plot for underground seepage (TL-11)**



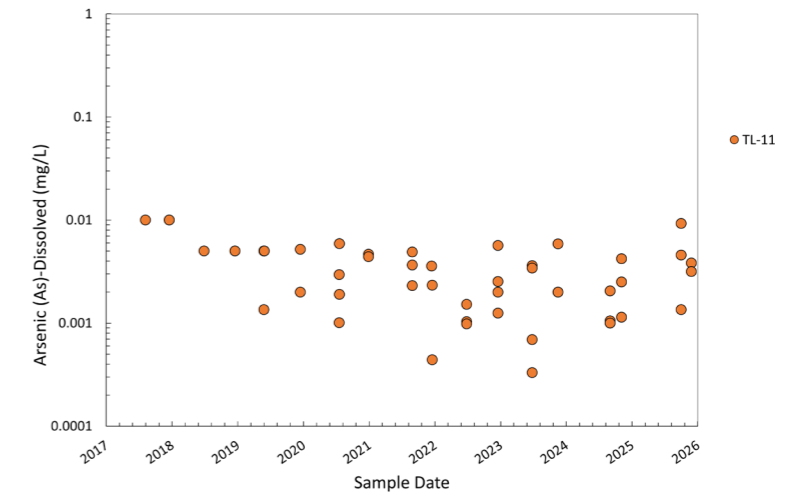
[https://srk.sharpoint.com/sites/NACAPR033761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/NACAPR033761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_f\\_rev00.xlsx](https://srk.sharpoint.com/sites/NACAPR033761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/020_Tables/NACAPR033761_HopeBay_TailingsMonitoringData_2025_TL7B%20TL11_Charts_f_rev00.xlsx)

**Figure 8-9: Total alkalinity timeseries plot for underground seepage (TL-11)**



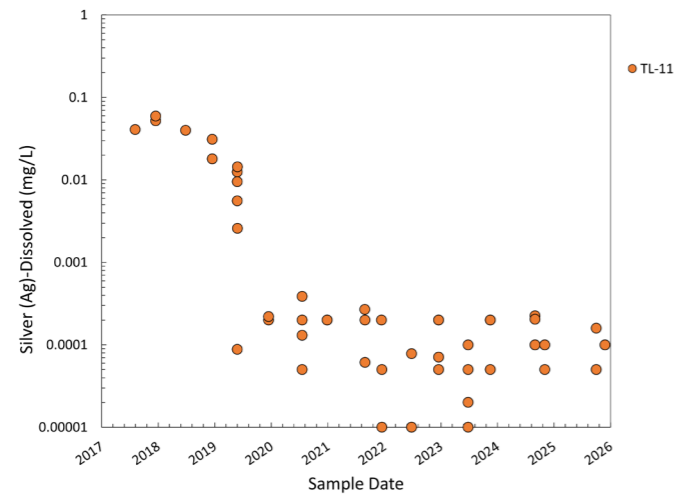
[https://srk.sharpoint.com/sites/NACAPR033761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/NACAPR033761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_f\\_rev00.xlsx](https://srk.sharpoint.com/sites/NACAPR033761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/020_Tables/NACAPR033761_HopeBay_TailingsMonitoringData_2025_TL7B%20TL11_Charts_f_rev00.xlsx)

**Figure 8-10: Dissolved arsenic timeseries plot for underground seepage (TL-11)**



[https://srk.sharpoint.com/sites/NACAPR033761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/NACAPR033761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_f\\_rev00.xlsx](https://srk.sharpoint.com/sites/NACAPR033761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/020_Tables/NACAPR033761_HopeBay_TailingsMonitoringData_2025_TL7B%20TL11_Charts_f_rev00.xlsx)

**Figure 8-11: Dissolved silver timeseries plot for underground seepage (TL-11)**



[https://srk.sharpoint.com/sites/NACAPR033761/Deliverables/2025 Annual Reports/Doris Madrid - 2025/020\\_Tables/NACAPR033761\\_HopeBay\\_TailingsMonitoringData\\_2025\\_TL7B & TL11\\_Charts\\_f\\_rev00.xlsx](https://srk.sharpoint.com/sites/NACAPR033761/Deliverables/2025%20Annual%20Reports/Doris%20Madrid%20-%202025/020_Tables/NACAPR033761_HopeBay_TailingsMonitoringData_2025_TL7B%20TL11_Charts_f_rev00.xlsx)

## 9 Seepage Survey

### 9.1 Methods

#### 9.1.1 Sample Collection and Analysis

The freshet seepage survey monitors contact water from waste rock and construction rock (infrastructure). The freshet seepage surveys were conducted in accordance with the Hope Bay Project Quarry Management Plan (QMP; Agnico Eagle 2022b) and WROMP (Agnico Eagle 2022a). Three reference sites were sampled as part of the program.

Table 9-1 inventories the construction rock and waste rock seepage samples collected in 2025. Agnico Eagle conducted the 2025 waste rock freshet seepage survey and construction rock seepage survey concurrently, from June 5 to 17, 2025, reference seep sampling on July 13, 2025, and monthly sampling of water in the Madrid North Waste Rock Storage Area (WRSA) Contact Water Pond (CWP) and Sumps on June 7, July 8, and August 5, 2025 (Figure 9-1 to Figure 9-10).

For waste rock, the freshet seepage survey involves walking the toe of all waste rock stockpiles and the downstream toe of a section of the Doris camp pad where waste rock contact water bypasses collection ponds but is intercepted by downstream sumps. Water samples from the Madrid CWP and Sumps are waste rock drainage from the Madrid North WRSA. Additionally, recently constructed roads and infrastructure, were inspected for seepage. As per the QMP, the construction seepage survey is conducted once following construction.

At each seepage station, field measurements were documented and a water sample collected for analysis as per Sections 0 and 0, respectively. Agnico Eagle collected a total of 27 samples as detailed in Table 9-1 and submitted to ALS Environmental Labs in Burnaby, BC for analysis. One duplicate sample was also collected and submitted for laboratory analysis as part of SRK's recommended quality assurance/quality control (QA/QC) program. No field blank or trip blank samples were collected for the seepage survey program in 2025.

All samples were analyzed for pH, EC, alkalinity, ammonia, bromide, chloride, fluoride, nitrate, nitrite, phosphorus, sulphate, dissolved metals, and total suspended solids (TSS). For Doris, Portal Pad, and other road seepage samples, total dissolved solids (TDS) and acidity were also analyzed. For the Madrid CWP and Sump samples, total metals were analyzed as per the Water Licence. Total cyanide was analyzed for Doris, Madrid North Sump samples and CWP samples (MMS1-N, MMS1-S). All samples were filtered and preserved in the field, as required.

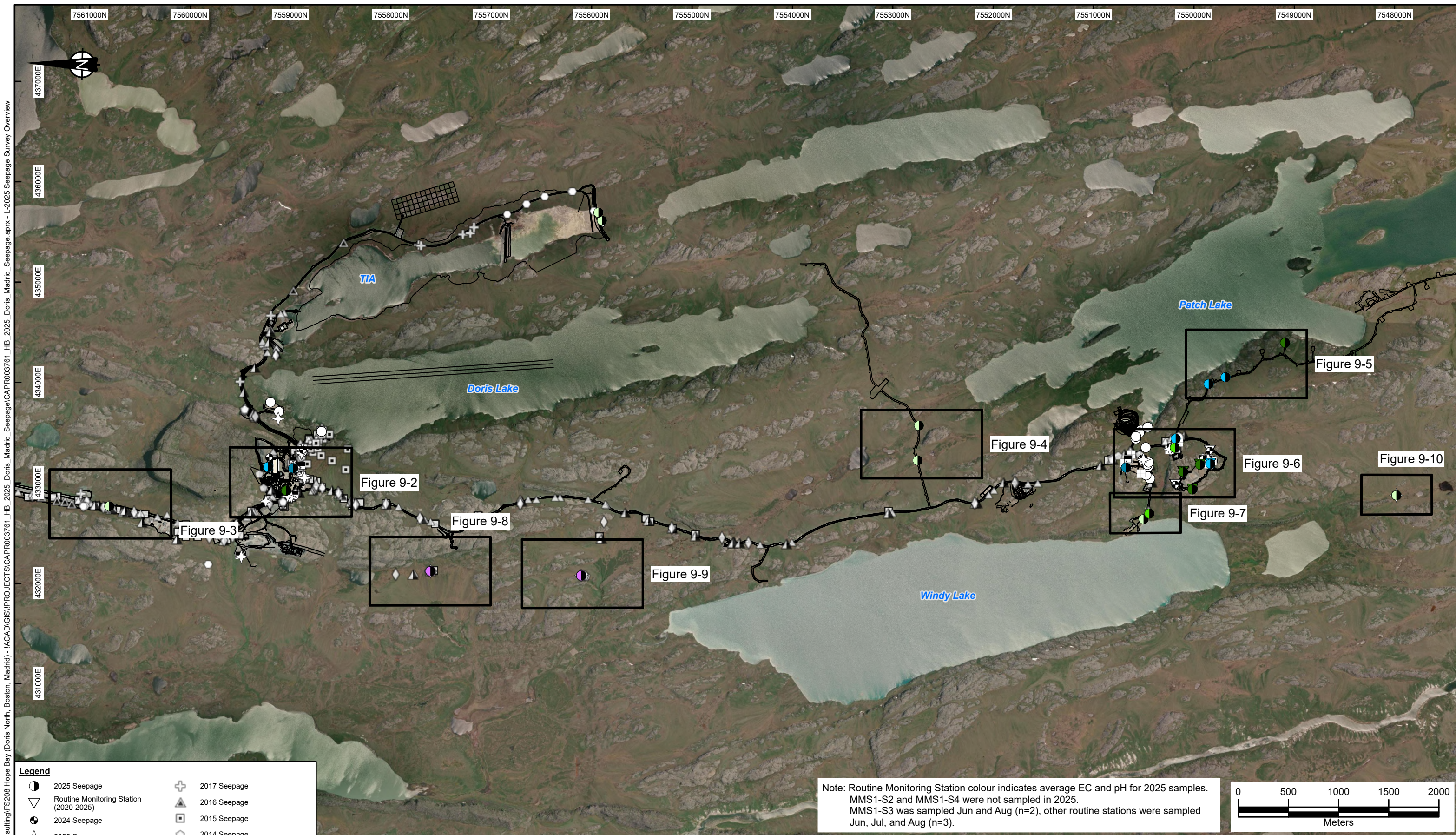
Table 9-1: Summary of 2025 seepage survey locations

Mine Area	Material Source	Sample Area	No. of Samples <sup>5</sup>
Reference	Background	Reference (Doris-Windy Road)	3
Doris	Waste Rock Stockpiles (Pad T) <sup>1</sup>	Toe of the waste rock stockpiles on Pad T	1
		Embankment immediately downstream of the waste rock and ore stockpile on Pad I and upstream of the Doris Contact Water Pond 1	1
		Toe of the access roads located down-gradient of the Doris waste rock stockpiles	0
	Infrastructure	South Dam buttress	0
		Airstrip	1
Madrid North	Overburden from NE CPR <sup>2,6</sup>	Overburden Stockpile	1
		Portal Pad	1
	Waste Rock Stockpiles (at WRSA)	WRSA Pad Seepage	0
		Sump 1, 2 3, and 4 <sup>3</sup>	5
		Contact Water Pond (CWP) <sup>3,4</sup>	6
	Infrastructure	Exploration Track <sup>7</sup>	4
		Windy Lake Road	2
TIA to Madrid Road <sup>7</sup>		2	

Sources: Compiled in text

**Notes:**

- <sup>1</sup> Referred to as Waste Rock Influenced Area (WRIA) in text.
- <sup>2</sup> Stockpile also contains minor amounts of rock from Quarry D & NE CPR that was used for construction.
- <sup>3</sup> Routine water quality samples.
- <sup>4</sup> Collected from stations MMS1-N and MMS1-S (Figure 9-6).
- <sup>5</sup> Areas with no samples collected were surveyed but no seepage was observed.
- <sup>6</sup> Scope of seepage monitoring is saline seepage and associated water quality.
- <sup>7</sup> Newly constructed roads; rock was primarily sourced from Quarry D with some material from Sump 1 in Quarry AF (refer to Section 7.2.2)

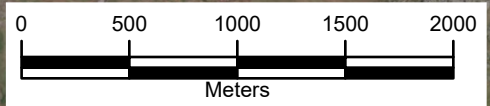


**Legend**

●	2025 Seepage	+	2017 Seepage
▽	Routine Monitoring Station (2020-2025)	▲	2016 Seepage
●	2024 Seepage	■	2015 Seepage
☆	2023 Seepage	○	2014 Seepage
■	2022 Seepage	◇	2013 Seepage
■	2021 Seepage	▲	2012 Seepage
○	2020 Seepage	△	2011 Seepage
○	2019 Seepage	□	2010 Seepage
○	2018 Seepage	—	Camp Layout Infrastructure

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			

Note: Routine Monitoring Station colour indicates average EC and pH for 2025 samples. MMS1-S2 and MMS1-S4 were not sampled in 2025. MMS1-S3 was sampled Jun and Aug (n=2), other routine stations were sampled Jun, Jul, and Aug (n=3).



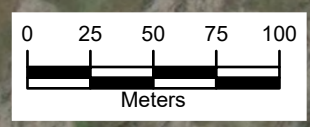
		2025 Doris/Madrid Seepage Monitoring		
		Doris and Madrid Seepage Survey Overview		
SRK JOB NO.: CAPR003761 FILE NAME: CAPR003761_HB_2025_Doris_Madrid_Seepage	<b>Hope Bay Gold Project</b>	DATE: Feb 2026	APPROVED: BDD	FIGURE: 9-1



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**Legend**

	2025 Seepage		2017 Seepage
	Routine Monitoring Stations (2020 - 2025)		2016 Seepage
	2024 Seepage		2015 Seepage
	2023 Seepage		2014 Seepage
	2022 Seepage		2013 Seepage
	2021 Seepage		2012 Seepage
	2020 Seepage		2011 Seepage
	2019 Seepage		2010 Seepage
	2018 Seepage		Camp Layout Infrastructure



	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			

SRK JOB NO.: CAPR003761  
FILE NAME: CAPR003761\_HB\_2025\_Doris\_Madrid\_Seepage

**AGNICO EAGLE**  
Hope Bay Gold Project

2025 Doris/Madrid Seepage Monitoring

**Doris Seep Survey Locations**

DATE: Feb 2026	APPROVED: BDD	FIGURE: 9-2
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Legend	
	2025 Seepage
	Routine Monitoring Stations (2020 - 2025)
	2024 Seepage
	2023 Seepage
	2022 Seepage
	2021 Seepage
	2020 Seepage
	2019 Seepage
	2018 Seepage
	2017 Seepage
	2016 Seepage
	2015 Seepage
	2014 Seepage
	2013 Seepage
	2012 Seepage
	2011 Seepage
	2010 Seepage
	Camp Layout Infrastructure

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			

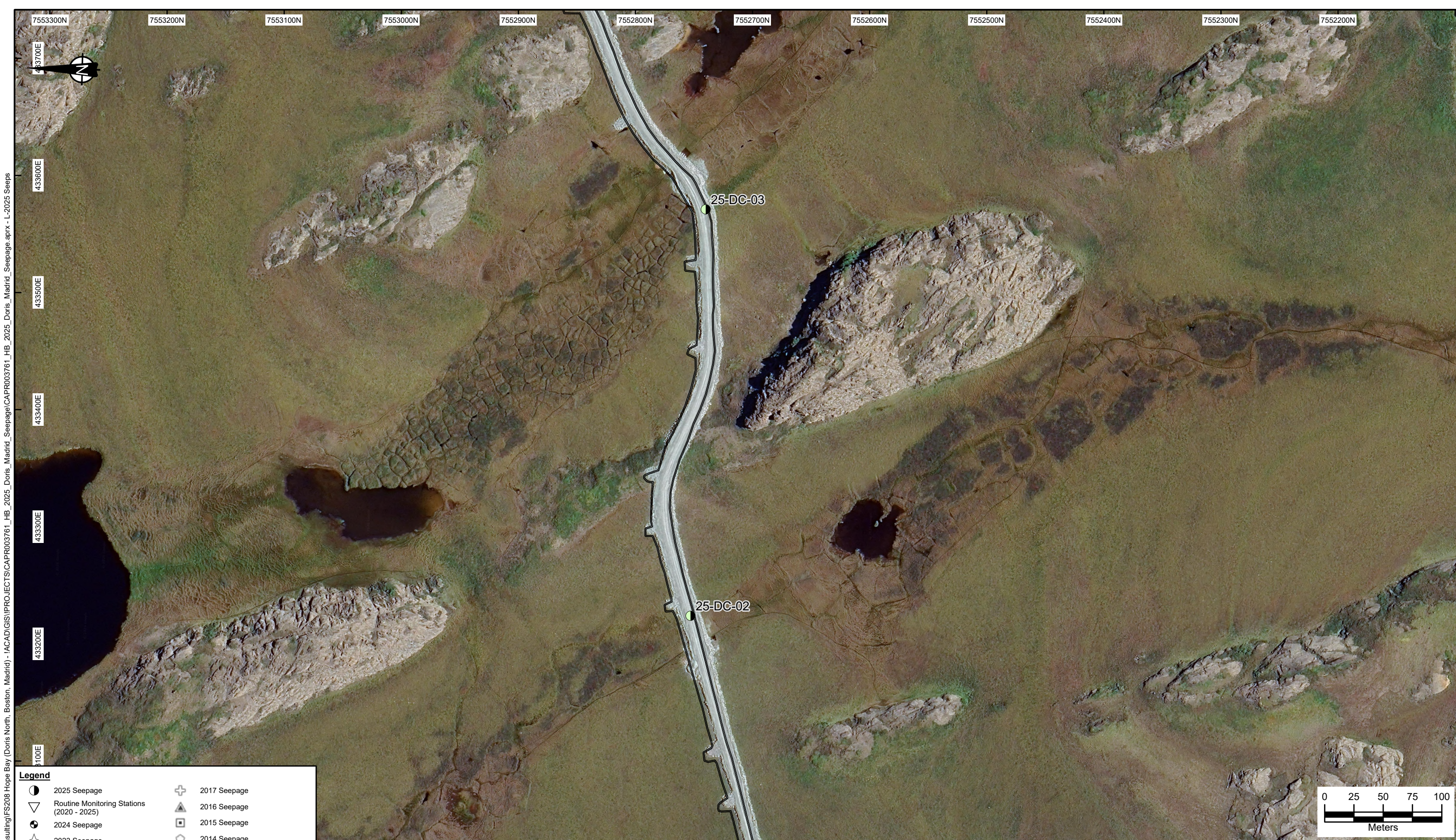


SRK JOB NO.: CAPR003761  
 FILE NAME: CAPR003761\_HB\_2025\_Doris\_Madrid\_Seepage



Hope Bay Gold Project

2025 Doris/Madrid Seepage Monitoring		
Airstrip Seep Survey Location		
DATE: Feb 2026	APPROVED: BDD	FIGURE: 9-3

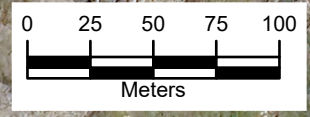


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**Legend**

	2025 Seepage		2017 Seepage
	Routine Monitoring Stations (2020 - 2025)		2016 Seepage
	2024 Seepage		2015 Seepage
	2023 Seepage		2014 Seepage
	2022 Seepage		2013 Seepage
	2021 Seepage		2012 Seepage
	2020 Seepage		2011 Seepage
	2019 Seepage		2010 Seepage
	2018 Seepage		Camp Layout Infrastructure

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			



		2025 Doris/Madrid Seepage Monitoring		
		TIA Road Seepage		
SRK JOB NO.: CAPR003761 FILE NAME: CAPR003761_HB_2025_Doris_Madrid_Seepage	<b>Hope Bay Gold Project</b>	DATE: Feb 2026	APPROVED: BDD	FIGURE: 9-4



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Legend	
	2025 Seepage
	2024 Seepage
	2023 Seepage
	2022 Seepage
	2021 Seepage
	2020 Seepage
	2019 Seepage
	2018 Seepage
	2017 Seepage
	2016 Seepage
	2015 Seepage
	2014 Seepage
	2013 Seepage
	2012 Seepage
	2011 Seepage
	2010 Seepage
	Camp Layout Infrastructure
	Routine Monitoring Stations (2020 - 2025)

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			

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SRK JOB NO.: CAPR003761  
 FILE NAME: CAPR003761\_HB\_2025\_Doris\_Madrid\_Seepage

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**Hope Bay Gold Project**

2025 Doris/Madrid Seepage Monitoring

**Exploration Track Seepage Survey Locations**

DATE: Feb 2026	APPROVED: BDD	FIGURE: 9-5
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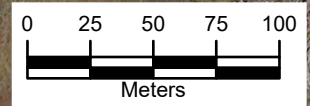


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Legend	
	2025 Seepage
	2024 Seepage
	2023 Seepage
	2022 Seepage
	2021 Seepage
	2020 Seepage
	2019 Seepage
	2018 Seepage
	2017 Seepage
	2016 Seepage
	2015 Seepage
	2014 Seepage
	2013 Seepage
	2012 Seepage
	2011 Seepage
	2010 Seepage
	Camp Layout Infrastructure

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			

Note: Routine Monitoring Station colour indicates average EC and pH for 2025 samples. MMS1-S2 and MMS1-S4 were not sampled in 2025. MMS1-S3 was sampled Jun and Aug (n=2), other routine stations were sampled Jun, Jul, and Aug (n=3).



		2025 Doris/Madrid Seepage Monitoring	
		Madrid North Survey Locations	
SRK JOB NO.: CAPR003761 FILE NAME: CAPR003761_HB_2025_Doris_Madrid_Seepage	<b>Hope Bay Gold Project</b>	DATE: Feb 2026	APPROVED: BDD
		FIGURE:	<b>9-6</b>

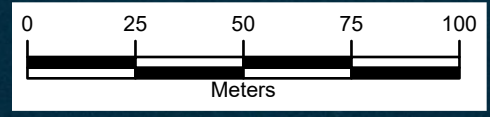


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**Legend**

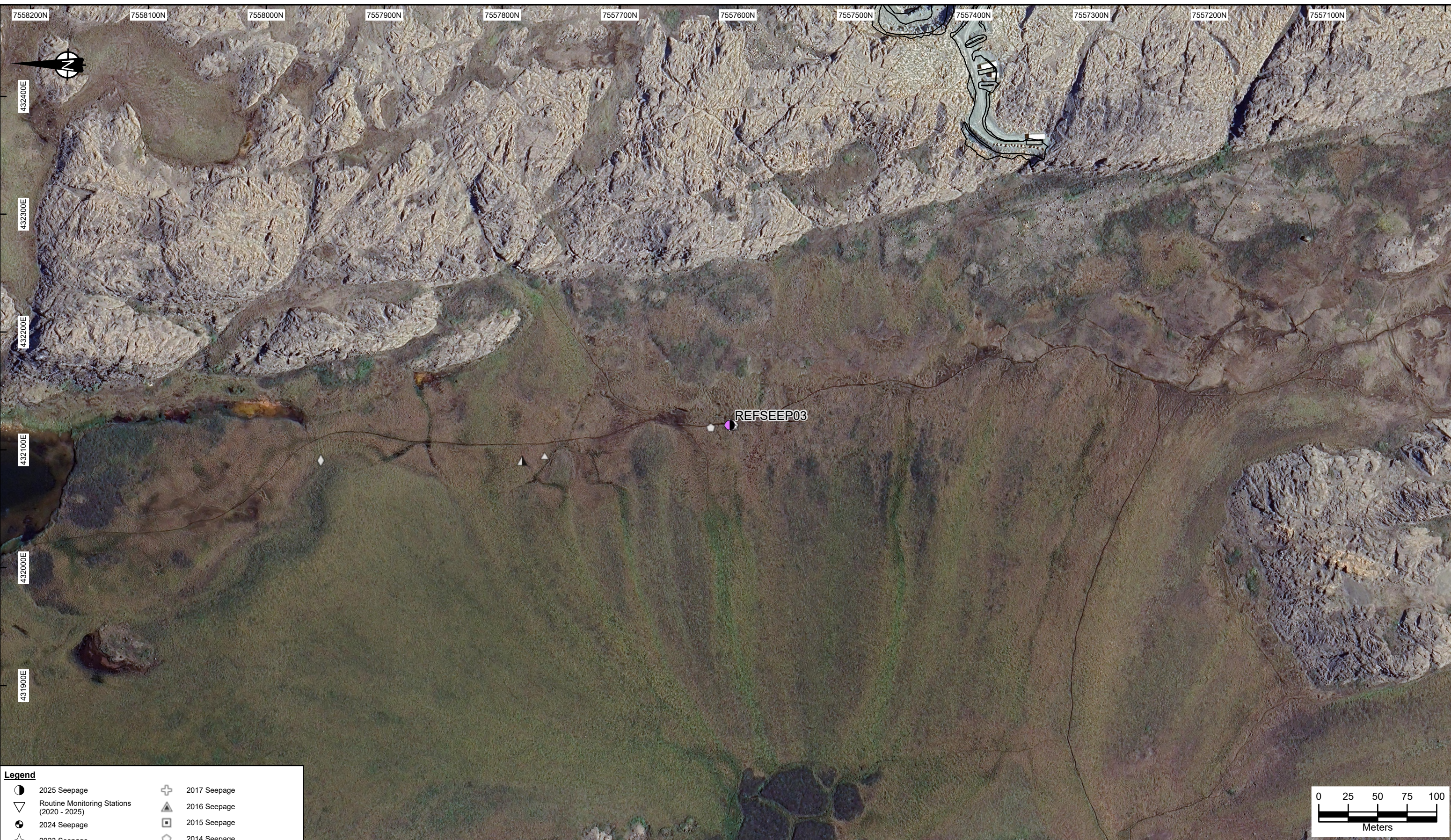
●	2025 Seepage	+	2017 Seepage
▽	Routine Monitoring Stations (2020 - 2025)	▲	2016 Seepage
●	2024 Seepage	■	2015 Seepage
☆	2023 Seepage	○	2014 Seepage
■	2022 Seepage	◇	2013 Seepage
■	2021 Seepage	▲	2012 Seepage
○	2020 Seepage	△	2011 Seepage
○	2019 Seepage	□	2010 Seepage
○	2018 Seepage	—	Camp Layout Infrastructure

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			



		2025 Doris/Madrid Seepage Monitoring		
		Windy Lake Road Seepage Survey Locations		
SRK JOB NO.: CAPR003761 FILE NAME: CAPR003761_HB_2025_Doris_Madrid_Seepage	<b>Hope Bay Gold Project</b>	DATE: Feb 2026	APPROVED: BDD	FIGURE: <b>9-7</b>

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**Legend**

	2025 Seepage		2017 Seepage
	Routine Monitoring Stations (2020 - 2025)		2016 Seepage
	2024 Seepage		2015 Seepage
	2023 Seepage		2014 Seepage
	2022 Seepage		2013 Seepage
	2021 Seepage		2012 Seepage
	2020 Seepage		2011 Seepage
	2019 Seepage		2010 Seepage
	2018 Seepage		Camp Layout Infrastructure

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			

SRK JOB NO.: CAPR003761  
FILE NAME: CAPR003761\_HB\_2025\_Doris\_Madrid\_Seepage

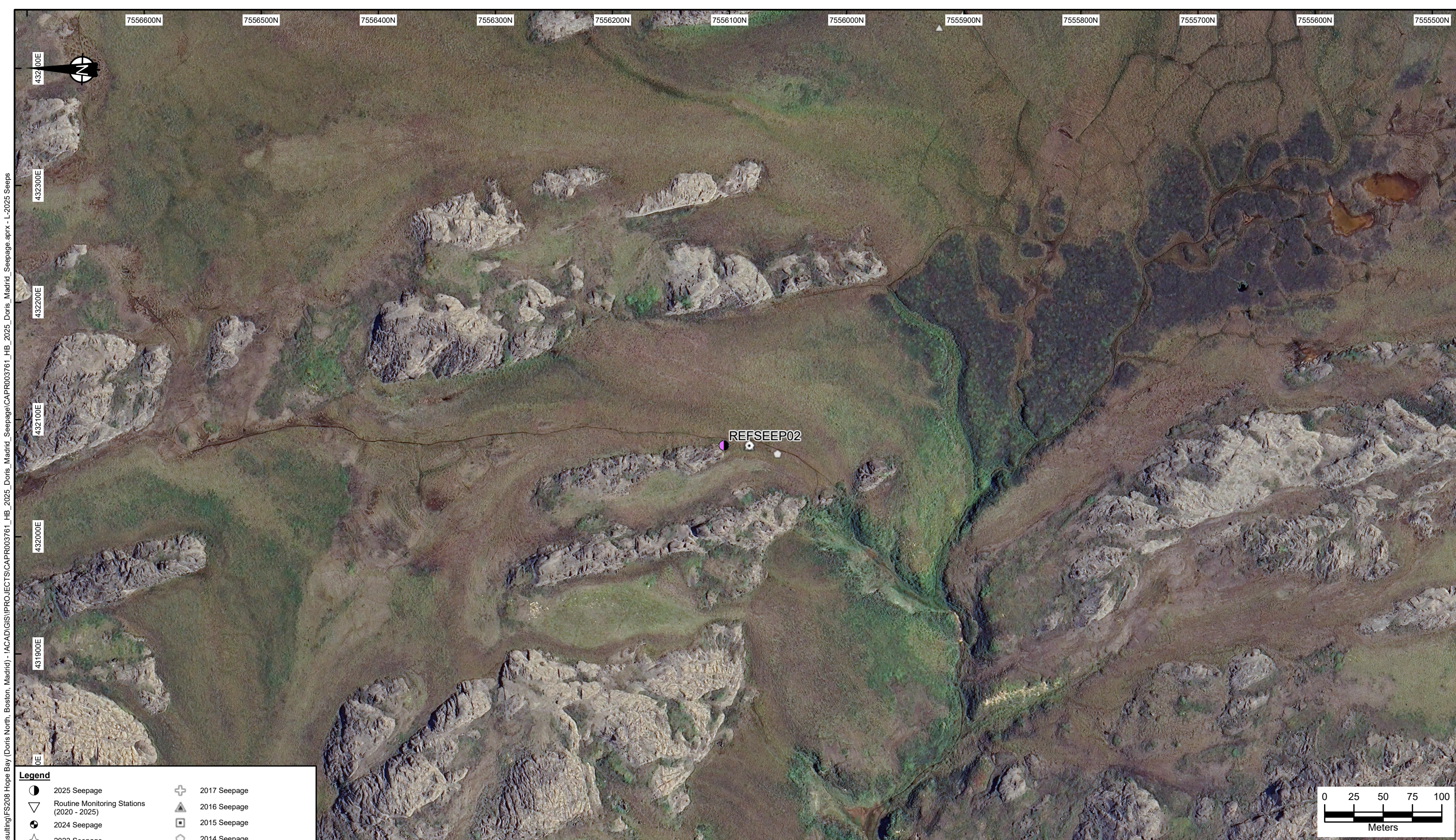
**AGNICO EAGLE**

Hope Bay Gold Project

2025 Doris/Madrid Seepage Monitoring

Reference Seep 3 Survey Location

DATE: Feb 2026	APPROVED: BDD	FIGURE: 9-8
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**Legend**

	2025 Seepage		2017 Seepage
	Routine Monitoring Stations (2020 - 2025)		2016 Seepage
	2024 Seepage		2015 Seepage
	2023 Seepage		2014 Seepage
	2022 Seepage		2013 Seepage
	2021 Seepage		2012 Seepage
	2020 Seepage		2011 Seepage
	2019 Seepage		2010 Seepage
	2018 Seepage		Camp Layout Infrastructure

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			

**srk consulting**

SRK JOB NO.: CAPR003761  
 FILE NAME: CAPR003761\_HB\_2025\_Doris\_Madrid\_Seepage

**AGNICO EAGLE**

**Hope Bay Gold Project**

2025 Doris/Madrid Seepage Monitoring

**Reference Seep 2 Survey Location**

DATE: Feb 2026	APPROVED: BDD	FIGURE: <b>9-9</b>
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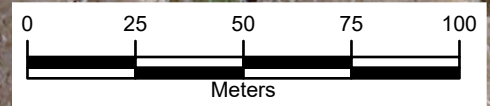


C:\Users\MSMITH\SRK Consulting\FS208 Hope Bay (Doris North, Boston, Madrid) - IACAD\GIS\PROJECTS\CAPR003761\_HB\_2025\_Doris\_Madrid\_Seepage.aprx - L-2025 Seeps

**Legend**

	2025 Seepage		2017 Seepage
	Routine Monitoring Stations (2020 - 2025)		2016 Seepage
	2024 Seepage		2015 Seepage
	2023 Seepage		2014 Seepage
	2022 Seepage		2013 Seepage
	2021 Seepage		2012 Seepage
	2020 Seepage		2011 Seepage
	2019 Seepage		2010 Seepage
	2018 Seepage		Camp Layout Infrastructure

	pH < 7	7 < pH < 8	pH > 8
EC ≤ 500 uS/cm			
500 uS/cm < EC < 2000 uS/cm			
EC > 2000 uS/cm			



SRK JOB NO.: CAPR003761  
FILE NAME: CAPR003761\_HB\_2025\_Doris\_Madrid\_Seepage

**AGNICO EAGLE**  
Hope Bay Gold Project

2025 Doris/Madrid Seepage Monitoring

Reference Seep 1 Survey Location

DATE: Feb 2026	APPROVED: BDD	FIGURE: 9-10
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## 9.2 Results and Discussion

Figure 9-1 to Figure 9-10 present location maps of the seepage samples, surveyed areas, and of the as-built alignment of the Doris and Madrid mine areas. A complete set of field observations and measurements is provided in Appendix C1. Appendix C2 contains the laboratory water chemistry results.

### 9.2.1 QA/QC

Section 4.2 outlines QA/QC program criteria for water samples.

Results are summarized as follows:

- The relative percent difference for field and lab EC failed for three samples (37% to 55% for 25-DC-04, 25-MAD-06, and REFSEEP03). Results were confirmed with the lab and site.
- The relative percent difference for field and lab EC and failed for two samples from August 5, 2025 (134% and 145% for MMS1-S and MMS1-S1) and the difference between field and lab pH failed for the MMS1-S sample only (>1.0 pH unit difference). Based on review of the major ion concentrations, SRK suspects the sample labels or field data were switched. Results were confirmed with field technicians and the laboratory. Since the water from MMS1-S1 ultimately reports to the contact water pond (i.e., to MMS1-S and MMS1-N), results were interpreted as received.

Overall, data were accepted as received because the failures were not material to data interpretation.

### 9.2.2 Reference Stations

As with previous years, three reference samples were taken from established stations in undisturbed tundra along the Doris-Windy Road area that are not subject to mine influence. 2025 reference seepage samples were collected later in the year than typical (July 13, 2025) and field technicians observed only ponded water at REFSEEP02 and REFSEEP03 and negligible flow at REFSEEP01. Reference seep locations are shown in Figure 9-8, Figure 9-9, and Figure 9-10.

#### Field Data

Table 9-2 presents field results for the reference seepage samples.

Field pH ranged from 6.8 to 7.1 pH units. Field EC values ranged from 54 to 1,800  $\mu\text{S}/\text{cm}$ . Higher EC values for REFSEEP02 and REFSEEP03 is likely indicative of ponded water.

**Table 9-2: Summary of field results for 2025 reference seepage samples**

Sample ID	Date	pH	EC	ORP	Temperature	Flow
		<i>s.u.</i>	$\mu\text{S/cm}$	<i>RmV</i> <sup>1</sup>	$^{\circ}\text{C}$	<i>m/s</i>
REFSEEP01	13-Jul-25	7.1	54	220	9.3	Not measured
REFSEEP02 <sup>2</sup>	13-Jul-25	6.8	740	250	10	No flow observed
REFSEEP03 <sup>2</sup>	13-Jul-25	6.8	1800	67	11	No flow observed

Sources: [https://srk.sharepoint.com/sites/NACAPR003064/Deliverables/2024 Annual Reports/Doris Madrid/020\\_Tables/\[Seepage\\_Field\\_Data\\_2024.xlsx\]](https://srk.sharepoint.com/sites/NACAPR003064/Deliverables/2024%20Annual%20Reports/Doris%20Madrid/020_Tables/[Seepage_Field_Data_2024.xlsx])

**Notes:**

<sup>1</sup> Field calibrated ORP measurements

<sup>2</sup> Samples were collected from ponded water and are not representative of flowing seepage

**Laboratory Data**

Table 9-3 and Table 9-4 present the analytical data for the reference seepage samples. Figure 9-11 and Figure 9-12 include time series plots for select parameters.

The laboratory pH values ranged from 7.2 to 8.0 pH units and laboratory EC values were between 50 and 1000  $\mu\text{S/cm}$ .

Major cation chemistry was dominated by calcium (3.0 to 35 mg/L) and sodium (4.3 to 150 mg/L), while major anion chemistry was dominated by alkalinity (17 to 150 mg/L as  $\text{CaCO}_3$ ) and chloride (4.5 to 250 mg/L). Concentrations of all major ions were higher than typical at REFSEEP02 and REFSEEP03 which were identified by field staff as standing water (flow at REFSEEP01 was observed but negligible).

Concentrations of nitrogen species were all less than six times the respective detection limits for each parameter. Ammonia concentrations were between 0.014 and 0.028 mg/L as N, nitrate concentrations ranged from below the detection limit (<0.0050 mg/L as N) to 0.002 mg/L as N, and nitrite was below the detection limit for all three samples (<0.0010 mg/L as N).

Concentrations of the majority of dissolved metals were generally below or within ten times the detection limit with the exception of aluminum (which ranged from 41 to 73 times the detection limit), barium (which ranged from 25 to 170 times the detection limit), iron (which ranged from 46 to 360 times the detection limit), manganese (which ranged from 210 to 3300 times the detection limit), and strontium (which ranged from 56 to 500 times the detection limit). Dissolved concentrations of barium, cobalt, and strontium were anomalously high at REFSEEP02 and REFSEEP03 and concentrations of arsenic, barium, iron, and manganese were anomalously high at REFSEEP03. Concentrations of dissolved metals at REFSEEP01 were all within the range of previously observed values.

**Table 9-3: Summary of physical parameters and major ions for 2025 reference seepage samples and comparison to historical statistics**

Sample ID	Date	pH	EC	TDS	Total Alkalinity	Total Ammonia	Total Cyanide	Cl	NO <sub>3</sub>	NO <sub>2</sub>	SO <sub>4</sub>	Ca	Mg	K	Na
		s.u.	µS/cm	mg/L	mg/L as CaCO <sub>3</sub>	mg/L as N	mg/L	mg/L	mg/L as N	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L
REFSEEP01	13-Jul-25	7.2	50	51	17	0.028	<0.0050	4.5	<0.0050	<0.0010	<0.30	3.0	2.2	0.10	4.3
REFSEEP02 <sup>1</sup>	13-Jul-25	7.6	620	360	54	0.027	<0.0050	150	0.022	<0.0010	15	30	15	0.53	68
REFSEEP03 <sup>1</sup>	13-Jul-25	8.0	1100	530	150	0.014	<0.0050	250	0.0073	<0.0010	12	35	21	2.8	150
<i>Method Detection Limit</i>		<i>0.10</i>	<i>2.0</i>	<i>20</i>	<i>1.0</i>	<i>0.0050</i>	<i>0.0050</i>	<i>0.50</i>	<i>0.0050</i>	<i>0.0010</i>	<i>0.30</i>	<i>0.050</i>	<i>0.005</i>	<i>0.05</i>	<i>0.05</i>
<i>Historic Sample Set (2012-2024)</i>	<i>P05</i>	<i>6.9</i>	<i>45</i>	<i>34</i>	<i>12</i>	<i>&lt;0.0050</i>	<i>&lt;0.0050</i>	<i>3.1</i>	<i>&lt;0.0050</i>	<i>&lt;0.0010</i>	<i>&lt;0.30</i>	<i>3.5</i>	<i>1.5</i>	<i>0.32</i>	<i>2.2</i>
	<i>P50</i>	<i>7.5</i>	<i>84</i>	<i>61</i>	<i>23</i>	<i>0.0076</i>	<i>&lt;0.0050</i>	<i>6.9</i>	<i>&lt;0.0050</i>	<i>&lt;0.0010</i>	<i>0.74</i>	<i>7.3</i>	<i>2.7</i>	<i>0.62</i>	<i>4.7</i>
	<i>P95</i>	<i>8.0</i>	<i>210</i>	<i>130</i>	<i>62</i>	<i>0.022</i>	<i>&lt;0.0050</i>	<i>28</i>	<i>0.0094</i>	<i>&lt;0.0010</i>	<i>7.8</i>	<i>24</i>	<i>5.9</i>	<i>2.0</i>	<i>13</i>
	<i>n</i>	<i>37</i>	<i>33</i>	<i>37</i>	<i>37</i>	<i>34</i>	<i>6</i>	<i>37</i>	<i>37</i>	<i>33</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>

Sources: [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

Notes:

<sup>1</sup> Samples were collected from ponded water and are not representative of flowing seepage

**Table 9-4: Summary of dissolved metals for 2025 reference seepage samples and comparison to historical statistics**

Sample ID	Date	Al	Ba	As	Cd	Co	Cu	Fe	Mn	Mo	Ni	Se	Sr	Zn
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
REFSEEP01	13-Jul-25	0.073	0.0025	0.00017	<0.0000050	0.00024	0.0010	0.86	0.021	0.000055	0.0018	<0.000050	0.011	0.0023
REFSEEP02 <sup>1</sup>	13-Jul-25	0.041	0.015	0.00051	0.0000066	0.00075	0.0011	0.46	0.048	0.000071	0.0024	<0.00005	0.088	0.0026
REFSEEP03 <sup>1</sup>	13-Jul-25	0.0078	0.017	0.00018	<0.0000050	0.00056	0.00068	3.6	0.33	0.000052	0.00068	<0.000050	0.10	<0.0010
<i>Method Detection Limit</i>		<i>0.0010</i>	<i>0.00010</i>	<i>0.00010</i>	<i>0.0000050</i>	<i>0.00010</i>	<i>0.00020</i>	<i>0.010</i>	<i>0.00010</i>	<i>0.000050</i>	<i>0.00050</i>	<i>0.000050</i>	<i>0.00020</i>	<i>0.0010</i>
<i>Historic Sample Set (2012-2024)</i>	<i>P05</i>	<i>0.0063</i>	<i>0.0012</i>	<i>&lt;0.00010</i>	<i>&lt;0.0000050</i>	<i>&lt;0.00010</i>	<i>0.00088</i>	<i>0.030</i>	<i>0.00023</i>	<i>&lt;0.000050</i>	<i>&lt;0.00050</i>	<i>&lt;0.000050</i>	<i>0.0053</i>	<i>&lt;0.0010</i>
	<i>P50</i>	<i>0.022</i>	<i>0.0027</i>	<i>0.00015</i>	<i>&lt;0.0000050</i>	<i>&lt;0.00010</i>	<i>0.0013</i>	<i>0.083</i>	<i>0.0013</i>	<i>0.000090</i>	<i>0.0019</i>	<i>0.000059</i>	<i>0.014</i>	<i>0.0023</i>
	<i>P95</i>	<i>0.081</i>	<i>0.0045</i>	<i>0.00026</i>	<i>0.0000050</i>	<i>&lt;0.00010</i>	<i>0.0032</i>	<i>0.17</i>	<i>0.014</i>	<i>0.00021</i>	<i>0.0031</i>	<i>0.0010</i>	<i>0.072</i>	<i>0.005</i>
	<i>n</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>	<i>37</i>

Sources: [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

Notes:

<sup>1</sup> Samples were collected from ponded water and are not representative of flowing seepage

### 9.2.3 Doris Waste Rock Influenced Area

Locations of seepage samples collected from the Doris Camp Pad are shown in Figure 9-2.

In previous years, samples collected from the Doris camp pad area were categorized into the following three groups:

- Group 1: samples collected immediately downstream of waste rock on Pad T and waste rock and ore on Pad I at the upstream embankment of the Doris Contact Water Pond 1. Some of these samples showed waste rock and ore influenced chemistry with elevated EC while others exhibited chemistries that were not indicative of waste rock seepage.
- Group 2: samples collected at the toe of the access roads showing chemistry impacted by waste rock/ore and detoxified tailings.
- Group 3: samples collected at the toe of the access roads showing diluted source loading from detoxified tailings and little to no waste rock and ore influence.

The two seepage samples collected in 2025 are from Group 1 and were collected downstream at the base of Pad T (25-DC-04) and at the upstream embankment of the Doris Contact Water Pond 1 (25-DC-05). No seepage was observed along the toe of access roads downstream of the WRIA.

#### Field Data

Table 9-5 presents field results for the Doris seepage samples.

Field pH was 8.8 pH units and EC was 290  $\mu\text{S}/\text{cm}$  in the sample collected downstream of Pad T (25-DC-04). Field pH was 8.1 pH units and EC was 1,200  $\mu\text{S}/\text{cm}$  in the sample collected near the Doris Contact Water Pond (25-DC-05).

**Table 9-5: Summary of field results for 2025 Doris WRIA seepage samples**

Group <sup>1</sup>	Sample ID	Date	pH	EC	ORP	Temperature	Flow
			<i>s.u.</i>	$\mu\text{S/cm}$	<i>mV</i> <sup>2</sup>	$^{\circ}\text{C}$	<i>m/s</i>
1	25-DC-04	10-Jun-25	8.8	290	170	6.1	- <sup>3</sup>
	25-DC-05	11-Jun-25	8.1	1200	210	5.6	- <sup>3</sup>
2	None	-	-	-	-	-	-
3	None	-	-	-	-	-	-

Source:  
[https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024)

**Notes:**

- Denotes data was not collected

<sup>1</sup> Groups are defined as follows:

- 1 – Direct waste rock contact water
- 2 – Waste rock and detoxified tailings influence
- 3 – Detoxified tailings influence with little to no waste rock influence

<sup>2</sup> Field calibrated ORP measurements

<sup>3</sup> Unable to measure due to low flow

### Laboratory Data

Table 9-6 and Table 9-7 present the analytical data for the Doris WRIA seepage samples. Time series plots of select parameters are provided in Figure 9-11 and Figure 9-12.

The laboratory pH values were 8.2 and 8.0 pH units and EC values were 430 and 1,100  $\mu\text{S/cm}$  for 25-DC-04 and 25-DC-05, respectively.

Major ion chemistry in the sample collected downstream of Pad T (25-DC-04) was dominated by alkalinity (52 mg/L total, as  $\text{CaCO}_3$ ) and calcium (28 mg/L). In the sample collected downstream of Pad I, anion chemistry was dominated by chloride and sulphate (both 190 mg/L) with lesser alkalinity (92 mg/L) and cation chemistry was dominated by calcium (110 mg/L).

Both WRIA samples had relatively low concentrations of nitrogen species compared to historic data for waste rock impacted seepage. Ammonia, nitrate, and nitrite concentrations were all below the historic medians (5.2, 19, and 0.27 mg/L as N, respectively). The ammonia concentration in 25-DC-05 (0.025 mg/L as N) and the nitrate and nitrite concentrations in 25-DC-04 (0.33 and 0.0051 mg/L as N) were below the historic 5<sup>th</sup> percentile values (0.079, 0.43, and 0.0056 mg/L as N for nitrate, nitrite, and ammonia, respectively). Total cyanide was below detection (<0.0050 mg/L) in the sample from downstream Pad T and was 0.4 mg/L in the sample downstream Pad I.

Dissolved metals concentrations in both samples were relatively low compared to historic data for the Doris WRIA. For sample 25-DC-04 (Pad T), all metals reported in Table 9-7 were lower than historic median values for the Doris WRIA, with the exception of dissolved aluminum (0.028 mg/L), which has

historically had higher concentrations in the reference seepage samples than in waste rock contact water. In this sample, concentrations of dissolved aluminum, barium, copper, iron, nickel, and zinc were all below historic median values for reference seepage samples (Table 9-4). For sample 25-DC-05 (Pad I), concentrations of dissolved metals were generally below historic medians for the Doris WRIA with the exception of arsenic (0.0023 mg/L), cobalt (0.0034 mg/L), and iron (0.18 mg/L). Dissolved nickel (0.0011 mg/L) and zinc (<0.0010 mg/L) were below historic medians for reference seepage samples (Table 9-4). These results are consistent with results reported in SRK (2025), which noted that samples from these areas directly downstream of waste rock piles exhibited universally low dissolved metal(loid) concentrations and displayed little to no evidence of waste rock influenced chemistries. The results for 25-DC-04 (Pad T) suggest that these data are indicative of quarry rock (e.g., the pad itself) rather than waste rock.

All contact water from waste rock (and at the toe of the road) is intercepted by water management collection systems and pumped to the Doris Tailings Impoundment Area.

**Table 9-6: Summary of physical parameters and major ions for 2025 Doris WRIA seepage samples and comparison to historical statistics**

Sample ID	Date	pH	EC	TDS	Total Alkalinity	Total Ammonia	Total Cyanide	Cl	NO <sub>3</sub>	NO <sub>2</sub>	SO <sub>4</sub>	Ca	Mg	K	Na
		s.u.	µS/cm	mg/L	mg/L as CaCO <sub>3</sub>	mg/L as N	mg/L	mg/L	mg/L as N	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L
<b>25-DC-04</b>	10-Jun-25	8.2	430	140	52	0.83	<0.0050	25	0.33	0.0051	33	28	6.3	1.6	12
<b>25-DC-05</b>	11-Jun-25	8.0	1100	760	92	0.025	0.40	190	5.3	0.0075	190	110	22	9.4	71
<i>Method Detection Limit</i>		<i>0.10</i>	<i>2.0</i>	<i>20</i>	<i>1.0</i>	<i>0.0050</i>	<i>0.0050</i>	<i>0.50</i>	<i>0.0050</i>	<i>0.0010</i>	<i>0.30</i>	<i>0.050</i>	<i>0.005</i>	<i>0.05</i>	<i>0.05</i>
<i>Historic Sample Set (2012-2024)</i>	<i>P05</i>	<i>7.5</i>	<i>400</i>	<i>250</i>	<i>58</i>	<i>0.079</i>	<i>&lt;0.0050</i>	<i>52</i>	<i>0.43</i>	<i>0.0056</i>	<i>21</i>	<i>35</i>	<i>6.0</i>	<i>2.6</i>	<i>24</i>
	<i>P50</i>	<i>7.9</i>	<i>2200</i>	<i>1600</i>	<i>88</i>	<i>5.2</i>	<i>0.012</i>	<i>480</i>	<i>19</i>	<i>0.27</i>	<i>170</i>	<i>160</i>	<i>36</i>	<i>18</i>	<i>210</i>
	<i>P95</i>	<i>8.3</i>	<i>18000</i>	<i>13000</i>	<i>150</i>	<i>66</i>	<i>10</i>	<i>5800</i>	<i>170</i>	<i>1.2</i>	<i>580</i>	<i>960</i>	<i>350</i>	<i>88</i>	<i>1800</i>
	<i>n</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>21</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>61</i>	<i>61</i>

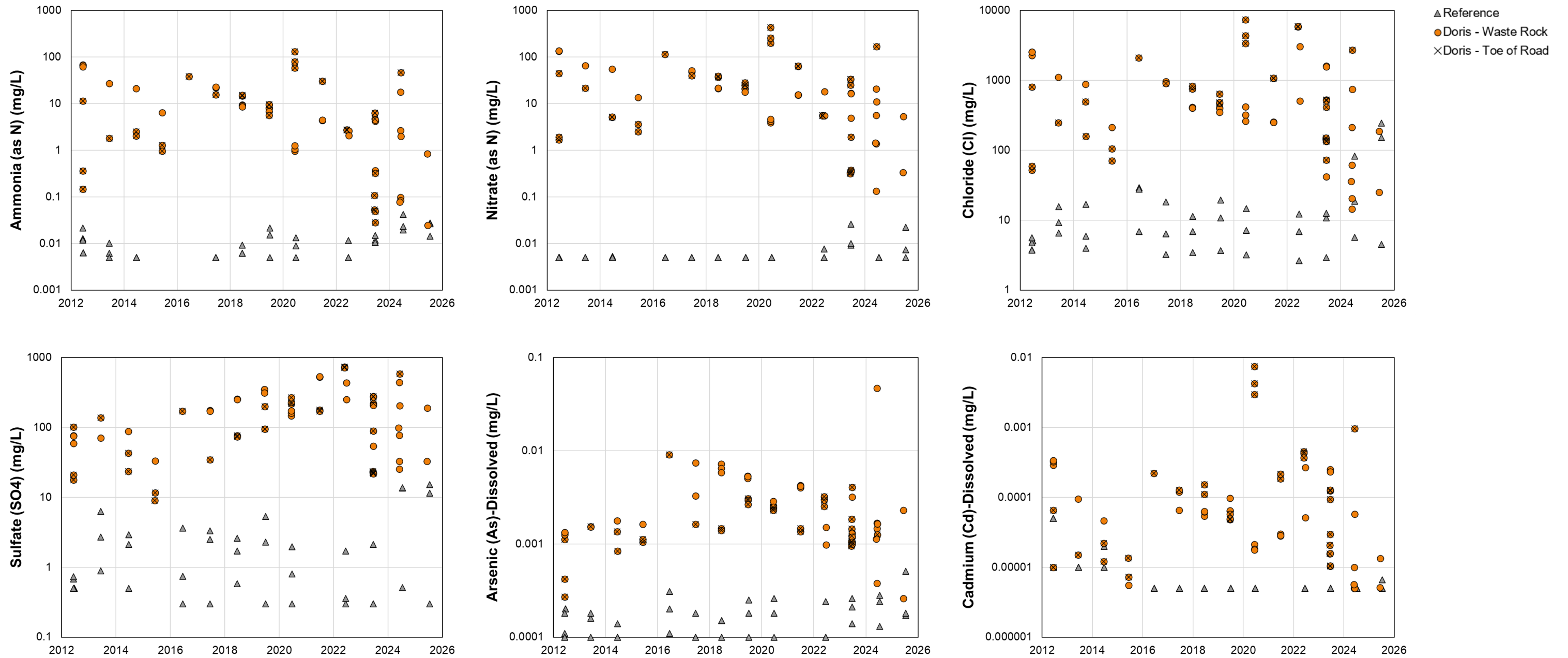
Sources: FS208/Internal/!Project\_Data%20(Not%20Job%20Specific)/19\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\_WQData\_REV04\_2024.xlsx

**Table 9-7: Summary of dissolved metals for 2025 Doris WRIA seepage samples and comparison to historical statistics**

Sample ID	Date	Al	Ba	As	Cd	Co	Cu	Fe	Mn	Mo	Ni	Se	Sr	Zn
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>25-DC-04</b>	10-Jun-25	0.028	0.0010	0.00026	0.0000051	0.00012	0.00034	<0.010	0.059	0.00096	<0.00050	0.00024	0.058	<0.0010
<b>25-DC-05</b>	11-Jun-25	0.0086	0.013	0.0023	0.000013	0.0034	0.0037	0.18	0.098	0.0035	0.0011	0.0013	0.41	<0.0010
<i>Method Detection Limit</i>		<i>0.0010</i>	<i>0.00010</i>	<i>0.00010</i>	<i>0.0000050</i>	<i>0.00010</i>	<i>0.00020</i>	<i>0.010</i>	<i>0.00010</i>	<i>0.000050</i>	<i>0.00050</i>	<i>0.000050</i>	<i>0.00020</i>	<i>0.0010</i>
<i>Historic Sample Set (2012-2024)</i>	<i>P05</i>	<i>0.0055</i>	<i>0.0049</i>	<i>0.00085</i>	<i>0.0000058</i>	<i>0.00018</i>	<i>0.0028</i>	<i>&lt;0.010</i>	<i>0.0091</i>	<i>0.00089</i>	<i>0.00051</i>	<i>0.00018</i>	<i>0.091</i>	<i>0.0010</i>
	<i>P50</i>	<i>0.0098</i>	<i>0.027</i>	<i>0.0016</i>	<i>0.000060</i>	<i>0.0018</i>	<i>0.011</i>	<i>0.041</i>	<i>0.11</i>	<i>0.0053</i>	<i>0.0036</i>	<i>0.0015</i>	<i>0.44</i>	<i>0.0020</i>
	<i>P95</i>	<i>0.032</i>	<i>0.17</i>	<i>0.0072</i>	<i>0.00093</i>	<i>0.039</i>	<i>3.0</i>	<i>4.2</i>	<i>1.2</i>	<i>0.014</i>	<i>0.073</i>	<i>0.0049</i>	<i>4.9</i>	<i>0.012</i>
	<i>n</i>	<i>61</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>62</i>	<i>61</i>	<i>61</i>	<i>62</i>	<i>62</i>	<i>62</i>

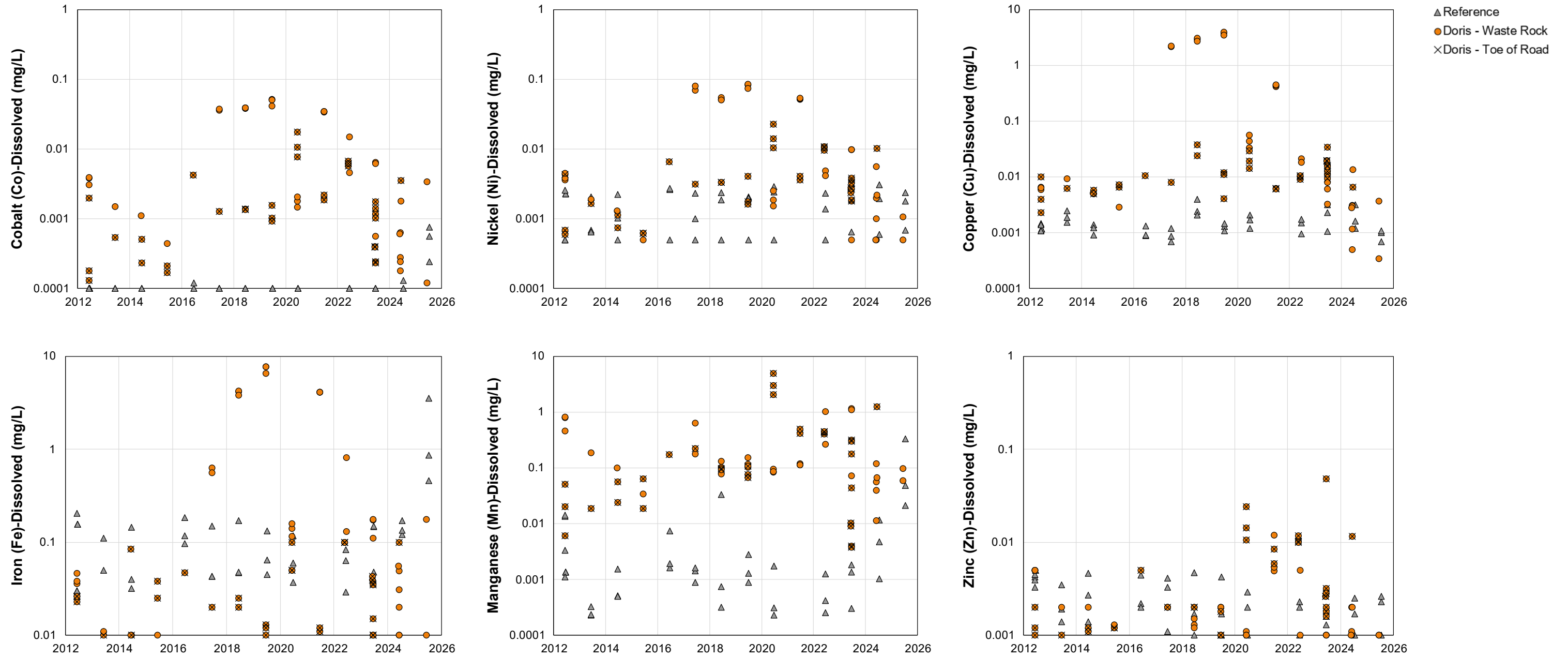
Sources: FS208/Internal/!Project\_Data%20(Not%20Job%20Specific)/19\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\_WQData\_REV04\_2024.xlsx

Figure 9-11: Time series plots for ammonia, nitrate, chloride, sulphate, arsenic, and cadmium for Doris WRIA and Reference seepage samples



Sources : [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

Figure 9-12: Time series plots for cobalt, nickel, copper, iron, manganese, and zinc for Doris WRIA and Reference seepage samples



Sources : [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

## 9.2.4 Doris Infrastructure

One seepage sample was collected from the Doris Airstrip area from the access road to the South Apron (Figure 9-3) in 2025.

### Field Data

Table 9-8 presents a summary of the field results for the Doris Airstrip seepage sample for construction monitoring.

Field pH was 7.9 pH units and field EC was 240  $\mu\text{S}/\text{cm}$ .

**Table 9-8: Summary of field results for 2025 seepage from the Doris Airstrip**

Sample ID	Date	pH	EC	ORP	Temperature	Flow
		<i>s.u.</i>	$\mu\text{S}/\text{cm}$	<i>mV</i> <sup>1</sup>	$^{\circ}\text{C}$	<i>m/s</i>
25-DC-01	5-Jun-25	7.9	240	15	5.4	0.40 <sup>2</sup>

Source: [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

**Notes:**

- <sup>1</sup> Field calibrated ORP measurements
- <sup>2</sup> Approximate flow based on channel dimensions and measured flow velocity

### Laboratory Data

Table 9-9 and Table 9-10 present the analytical data for the 2025 seepage sample from the Doris Airstrip area and a comparison to historical statistics from samples collected in the area from 2016 to 2018.

Major ion chemistry was dominated alkalinity (76 mg/L total, as  $\text{CaCO}_3$ ) and calcium (26 mg/L). Concentrations of sulphate (6.2 mg/L) and nitrogen species in this sample ( $\text{NH}_3 = <0.0050$ ,  $\text{NO}_3 = 0.017$ , and  $\text{NO}_2 = <0.0010$  mg/L as N) were lower than historical values and roughly equivalent to concentrations typically observed at the reference seepage stations (Table 9-3). Dissolved metals concentrations were also low and within the range of values observed at reference seepage stations (Table 9-4).

**Table 9-9: Summary of physical parameters and major ions for 2025 Doris Airstrip seepage samples and comparison to historical statistics**

Sample ID	Date	pH	EC	TDS	Total Alkalinity	Total Ammonia	Total Cyanide	Cl	NO <sub>3</sub>	NO <sub>2</sub>	SO <sub>4</sub>	Ca	Mg	K	Na
		s.u.	µS/cm	mg/L	mg/L as CaCO <sub>3</sub>	mg/L as N	mg/L	mg/L	mg/L as N	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L
<b>25-DC-01</b>	5-Jun-25	8.0	220	150	76	<0.0050	<0.0050	24	0.017	<0.0010	6.2	26	4.9	1.1	11
<i>Method Detection Limit</i>		0.10	2.0	20	1.0	0.0050	0.0050	0.50	0.0050	0.0010	0.30	0.050	0.005	0.05	0.05
<i>Historic Sample Set (2016-2018)</i>	P05	6.7	120	71	46	0.098	-	5.0	<0.0050	<0.0010	3.7	14	3.0	0.79	5.9
	P50	8.1	440	240	130	0.12	-	38	0.073	0.0031	14	55	8.9	1.9	24
	P95	8.2	640	370	260	0.58	-	51	3.2	0.075	23	68	19	3.9	59
	n	12	12	12	12	4	0	12	12	12	12	12	12	12	12

Sources: FS208/Internal/!Project\_Data%20(Not%20Job%20Specific)/19\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\_WQData\_REV04\_2024.xlsx

**Table 9-10: Summary of dissolved metals for 2025 Doris Airstrip seepage samples and comparison to historical statistics**

Sample ID	Date	Al	Ba	As	Cd	Co	Cu	Fe	Mn	Mo	Ni	Se	Sr	Zn
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>25-DC-01</b>	5-Jun-25	0.013	0.0042	0.00014	<0.0000050	<0.00010	0.0052	0.043	0.0020	0.00016	0.0016	0.000051	0.049	0.0096
<i>Method Detection Limit</i>		0.0010	0.00010	0.00010	0.0000050	0.00010	0.00020	0.010	0.00010	0.000050	0.00050	0.000050	0.00020	0.0010
<i>Historic Sample Set (2012-2024)</i>	P05	0.0036	0.0017	0.00023	0.000005	0.00012	0.0011	0.019	0.00088	0.00016	0.0009	0.000074	0.023	0.001
	P50	0.019	0.0056	0.0011	0.0000058	0.00031	0.0065	0.08	0.063	0.00056	0.0017	0.00014	0.052	0.0012
	P95	0.047	0.017	0.0028	0.000016	0.0019	0.017	3.6	0.86	0.0013	0.0035	0.00036	0.086	0.0095
	n	12	12	12	12	12	12	12	12	12	12	12	12	12

Sources: FS208/Internal/!Project\_Data%20(Not%20Job%20Specific)/19\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\_WQData\_REV04\_2024.xlsx

## 9.2.5 Madrid Waste Rock Storage Area

Routine monitoring stations and freshet seepage survey locations are shown in Figure 9-6.

Water management at the Madrid North WRSA includes four water collection sumps and the Madrid North contact water pond (CWP). Sump 1 to Sump 3 collect drainage from the WRSA that does not report directly to the CWP. Sump 4 was installed in 2022 and is located downstream of the CWP to collect seepage that has been bypassing the liner at the downstream berm of the CWP since 2020 and could not be remediated with the placement of overburden in 2021. Runoff/seepage water from the WRSA or CWP that reports to the sumps is transferred to the CWP, therefore water chemistry at the CWP is influenced by waste rock seepage draining to CWP and the collection sumps. Discharge of effluent onto the tundra from the CWP is in accordance with the effluent quality limits provided in the Water License. Water that does not meet these criteria is transferred to the TIA via water truck.

No freshet seepage was observed in 2025 at the downstream toe of the CWP berm, the toe of the waste rock stockpiles, or the Madrid WRSA pad. Routine Monitoring Stations are sampled monthly. These include the two stations within the CWP (MMS1-N and MMS1-S) and Sumps 1 through 4. Three monthly samples (June through August) were collected from the stations within the CWP and from Sump 1, two monthly samples (June and August) were collected from Sump 3, and no samples were collected from Sump 2 and Sump 4 as the sumps were dry. Waste rock from Naartok East (21,024 t) and Naartok West (40,479 t) underground mines was placed on the Madrid WRSA in 2025.

### Field Data

Table 9-11 presents a summary of the field results for 2025 monthly routine monitoring data at the Madrid North WRSA.

Field results are summarized as follows:

- Madrid CWP: Field pH was generally highest in the CWP, ranging from 7.5 to 8.5 pH units. Field EC values were higher at MMS1-N (430 to 10,000  $\mu\text{S}/\text{cm}$ ) compared to MMS1-S (260 to 650  $\mu\text{S}/\text{cm}$ ) with values at both stations increasing from June through August.
- Sump 1 and Sump 3: Field pH ranged from 7.3 to 8.0 pH units. Field EC values ranged from 370 to 3,800  $\mu\text{S}/\text{cm}$ , peaking in August for both stations.

**Table 9-11: Summary of field results for 2025 Madrid WRSA seepage and routine monitoring samples**

Monitoring Program	Sample ID	Date	pH	EC	ORP <sup>1</sup>	Temperature	Flow <sup>2</sup>
			<i>s.u.</i>	$\mu\text{S/cm}$	<i>mV</i>	$^{\circ}\text{C}$	<i>L/s</i>
Freshet Survey	None	-	-	-	-	-	-
Routine Monitoring	MMS1-N <sup>3</sup>	7-Jun-25	8.1	430	160	6.1	-
		8-Jul-25	7.9	5400	230	16	-
		5-Aug-25	7.5	10,000	200	17	-
	MMS1-S <sup>3</sup>	7-Jun-25	7.7	260	170	5.7	-
		8-Jul-25	8.5	440	200	15	-
		5-Aug-25	8.5	650	160	18	-
	MMS1-S1 <sup>4</sup>	7-Jun-25	7.5	510	240	1.3	-
		8-Jul-25	7.5	2500	240	13	-
		5-Aug-25	7.3	3800	180	11	-
	MMS1-S3 <sup>5</sup>	7-Jun-25	8.0	370	200	2.0	-
		5-Aug-25	7.3	3700	230	10	-

Source:

[https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024)

**Notes:**

- Denotes data was not collected
- <sup>1</sup> Field calibrated ORP measurements
- <sup>2</sup> Flow is not measured for Routine Monitoring Stations
- <sup>3</sup> Madrid CWP Routine Monitoring Station
- <sup>4</sup> Madrid WRSA Sump 1
- <sup>5</sup> Madrid WRSA Sump 3

**Laboratory Data**

Table 9-12 and Table 9-13 present the analytical data for the Madrid WRSA samples.

Laboratory pH for all Madrid WRSA samples ranged from 7.7 to 8.4. Laboratory EC values for WRSA samples ranged from 240 to 9,600  $\mu\text{S/cm}$ .

Time series plots with select parameters are provided in Figure 9-13 and Figure 9-14. Seepage chemistry for the Madrid North WRSA samples is summarized as follows:

- Major ions:

- Madrid CWP: Concentrations of major ions were generally higher at MMS1-N than MMS1-S. At both stations, major cations were dominated by calcium, with concentrations ranging from 22 to 1,200 mg/L, with secondary contributions from sodium (17 to 640 mg/L) and magnesium (5.1 to 180 mg/L). Anion chemistry was dominated by chloride (28 to 3,400 mg/L) and alkalinity (50 to 110 mg/L as CaCO<sub>3</sub>) with lesser sulphate (28 to 300 mg/L).
- Sump 1: Major cations were dominated by calcium (51 to 270 mg/L) with lesser sodium (21 to 100 mg/L), while major anions were dominated primarily by chloride in June and July (90 and 650 mg/L), with roughly equivalent dominance of chloride, alkalinity, and sulphate in August on a milliequivalent basis (73 mg/L Cl, 110 mg/L as CaCO<sub>3</sub> alkalinity, and 92 mg/L SO<sub>4</sub>).
- Sump 3: Major cations were dominated by sodium (43 and 260 mg/L) and calcium (18 and 250 mg/L), while major anions changed from June to August, with the June sample having greater alkalinity (110 mg/L as CaCO<sub>3</sub>) and the August sample having greater chloride (860 mg/L) and sulphate (240 mg/L).
- Nitrogen concentrations can be an indicator of residual explosives on the surfaces of underground waste rock (SRK 2021). Chloride is an indicator of underground drilling brine. Results for ammonia and nitrate at the Sumps are summarized as follows:
  - Madrid CWP: Ammonia concentrations at MMS1-N and MMS1-S ranged from 0.0099 to 0.12 mg/L as N and nitrate concentrations ranged from 0.32 to 14 mg/L as N. Concentrations of nitrogen species and chloride were generally lower at MMS1-S compared to MMS1-N.
  - Sump 1: June and August samples had generally low concentrations of ammonia (0.066 and 0.018 mg/L as N), nitrate (0.53 and 0.26 mg/L as N), and chloride (90 and 73 mg/L). Concentrations peaked in July for chloride (up to 650 mg/L) and nitrate (up to 3.1 mg/L as N).
  - Sump 3: Concentrations of nitrogen species in the June sample were similarly low to those observed at Sump 1. The August sample from Sump 3 had elevated concentrations of ammonia, nitrate, nitrite, and chloride, suggesting a stronger influence from underground waste rock contact water.
- Sulphate is an indicator of overall sulphide oxidation. Concentrations are summarized as follows:
  - Sulphate concentrations showed a seasonal increase from June to August at all locations.
  - Madrid CWP: Sulphate concentrations were similar between the two monitoring locations, ranging from 28 to 300 mg/L.
  - Sump 1 and Sump 3: Sulphate concentrations were similar in June at both sumps around 20 mg/L. Sump 1 concentrations increased to 86 and 92 mg/L in June and August, respectively. Sulphate concentrations in Sump 3 were highest in the August sample (240 mg/L).
- Concentrations of dissolved metals are summarized as follows:
  - Arsenic concentrations were highest in Sump 3 (0.35 and 0.15 mg/L) and lowest in Sump 1 (0.011 to 0.019 mg/L). Concentrations in the Madrid CWP were similar between stations, ranging from 0.017 to 0.094 mg/L.

- Cobalt, manganese, nickel, and selenium concentrations generally increased from June to August for all stations except Sump 1, which had highest concentrations in the July sample. Concentrations were highest in the August sample from MMS1-N for cobalt, manganese, and nickel (0.0076 mg/L as Co, 1.5 mg/L as Mn, and 0.1 mg/L as Ni) and in the MMS1-S sample for selenium (0.0078 mg/L).
- Out of the two sumps sampled in 2025, concentrations of dissolved metals were typically higher in Sump 3 than in Sump 1. Out of all Madrid WRSA samples, Sump 3 had the highest concentrations of zinc (3.9 and 6.5 mg/L) and arsenic (discussed above).

**Table 9-12: Summary of physical parameters and major ions for 2025 Madrid WRSA seepage and routine monitoring samples and comparison to historical statistics**

Monitoring Program	Sample ID	Date	pH	EC	Total Alkalinity	Total Ammonia	Total Cyanide	Cl	NO <sub>3</sub>	NO <sub>2</sub>	SO <sub>4</sub>	Ca	Mg	K	Na
			s.u.	µS/cm	mg/L as CaCO <sub>3</sub>	mg/L as N	mg/L	mg/L	mg/L as N	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L
<b>Freshet Survey</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Routine Monitoring</b>	MMS1-N	7-Jun-25	7.8	410	62	0.028	-	60	0.37	0.0054	48	28	8.9	4.2	34
		8-Jul-25	8.0	5200	110	0.12	<0.0050	1600	6.9	0.047	130	490	94	27	340
		5-Aug-25	7.9	9600	96	0.025	<0.0050	3400	14	0.022	300	1200	180	48	640
	MMS1-S	7-Jun-25	7.8	240	50	0.021	<0.0050	28	0.32	0.0049	28	22	5.1	2.5	17
		8-Jul-25	8.2	450	86	0.0099	<0.0050	47	0.32	0.0035	54	36	9.0	4.0	35
		5-Aug-25	7.9	3300	110	0.11	<0.0050	890	8.3	0.046	280	350	70	18	210
	MMS1-S1	7-Jun-25	7.7	450	63	0.066	<0.0050	90	0.53	0.0030	19	54	7.9	3.0	21
		8-Jul-25	7.7	2500	91	0.025	<0.0050	650	3.1	<0.020	86	270	35	11	100
		5-Aug-25	8.4	610	110	0.018	<0.0050	73	0.26	0.0030	92	51	14	5.6	56
	MMS1-S3	7-Jun-25	7.9	310	110	0.031	<0.0050	22	0.59	0.0018	21	18	6.6	4.2	43
		5-Aug-25	7.9	3300	140	1.8	<0.0050	860	19	0.19	240	250	72	26	260

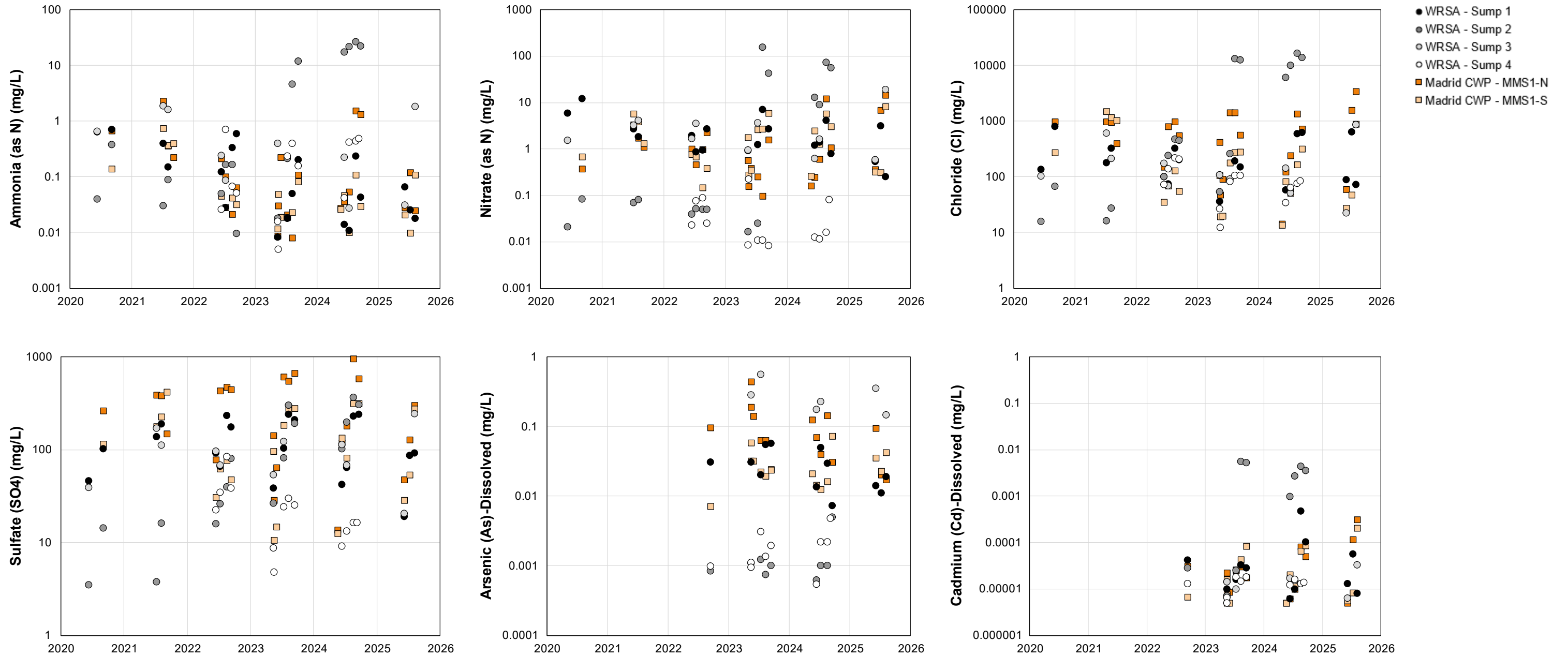
Sources: FS208/Internal/!Project\_Data%20(Not%20Job%20Specific)/19\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\_WQData\_REV04\_2024.xlsx

**Table 9-13: Summary of physical parameters and major ions for 2025 Madrid WRSA seepage and routine monitoring samples and comparison to historical statistics**

Monitoring Program	Sample ID	Date	Al mg/L	Ba mg/L	As mg/L	Cd mg/L	Co mg/L	Cu mg/L	Fe mg/L	Mn mg/L	Mo mg/L	Ni mg/L	Se mg/L	Sr mg/L	Zn mg/L
<b>Freshet Survey</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Routine Monitoring</b>	MMS1-N	7-Jun-25	0.016	0.0060	0.094	<0.0000050	0.00041	0.0021	<0.010	0.044	0.0021	0.0098	0.00061	0.10	0.0017
		8-Jul-25	0.0057	0.095	0.020	0.00012	0.0029	0.0036	<0.020	0.45	0.0035	0.049	0.0024	5.0	<0.0020
		5-Aug-25	<0.010	0.20	0.017	0.00032	0.0076	0.0040	<0.10	1.5	0.0054	0.10	0.0055	13	0.014
	MMS1-S	7-Jun-25	0.031	0.0048	0.035	0.0000057	0.00024	0.0021	0.020	0.018	0.0011	0.0028	0.00030	0.045	0.0034
		8-Jul-25	0.041	0.0079	0.023	0.0000082	0.00012	0.0041	<0.010	0.0063	0.0017	0.0020	0.00049	0.068	0.0013
		5-Aug-25	0.0057	0.060	0.042	0.00021	0.0023	0.0040	0.054	0.56	0.0080	0.0084	0.0078	2.5	0.12
	MMS1-S1	7-Jun-25	0.0044	0.0081	0.014	0.000013	0.00019	0.0020	0.037	0.022	0.0013	0.0024	0.00034	0.25	1.7
		8-Jul-25	0.0060	0.049	0.011	0.000057	0.00099	0.0042	0.013	0.14	0.0022	0.019	0.0022	2.0	0.84
		5-Aug-25	0.041	0.012	0.019	0.0000080	0.00016	0.0061	0.016	0.0064	0.0019	0.0024	0.00076	0.086	0.0026
	MMS1-S3	7-Jun-25	0.0096	0.0042	0.35	0.0000063	0.00086	0.0028	0.015	0.052	0.0026	0.020	0.00071	0.053	3.9
		5-Aug-25	0.0042	0.056	0.15	0.000033	0.0020	0.0051	0.021	0.14	0.0064	0.074	0.0029	1.9	6.5

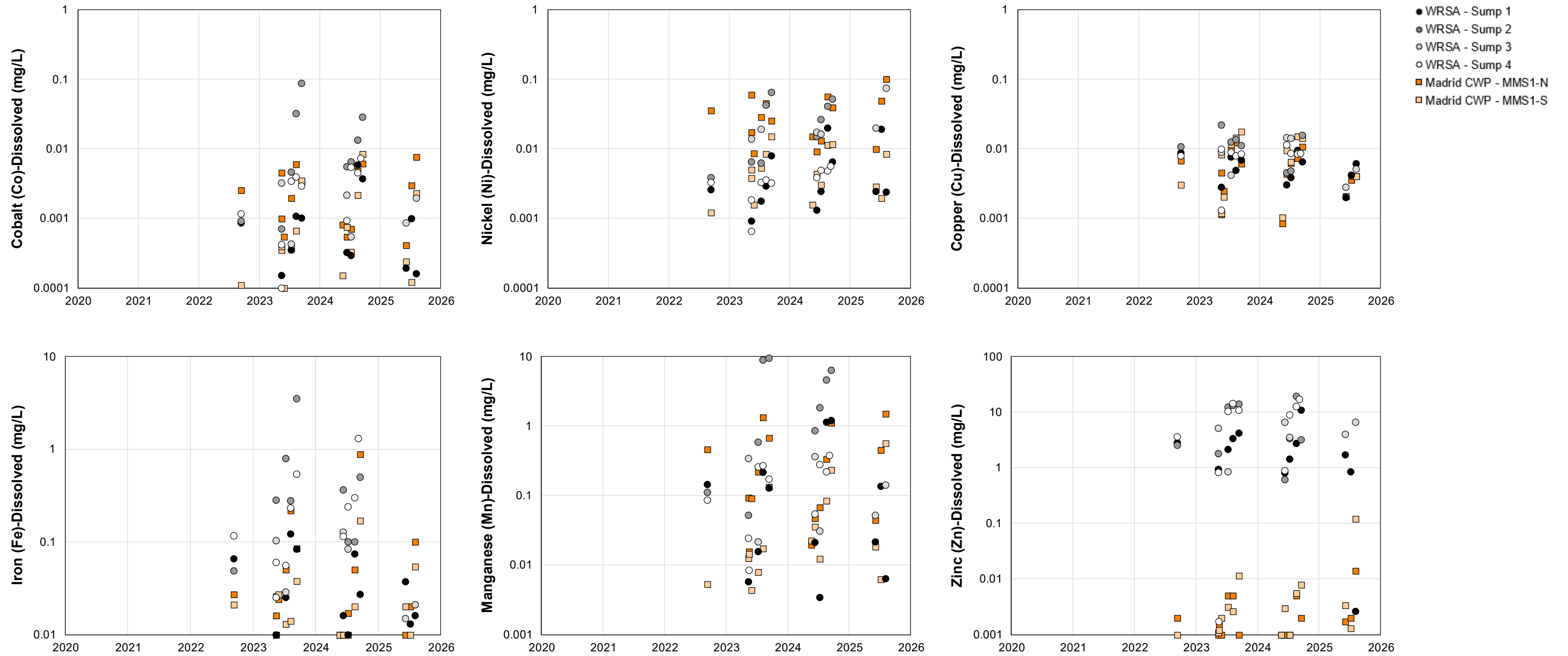
Sources: FS208/Internal/!Project\_Data%(Not%20Job%20Specific)/19\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\_WQData\_REV04\_2024.xlsx

Figure 9-13: Time series plots for ammonia, nitrate, chloride, sulphate, arsenic, and cadmium for Madrid WRSA Routine Monitoring stations



Sources : [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

Figure 9-14: Time series plots for cobalt, nickel, copper, iron, manganese, and zinc for Madrid WRSA Routine Monitoring stations



Sources : [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

## 9.2.6 Madrid Infrastructure

One seepage sample each was collected from the reclaimed Madrid North Portal Pad and Overburden Stockpile Areas (Figure 9-6). Two seepage samples were collected along the Madrid to TIA Road (Figure 9-4) and the Windy Camp Access Road (Figure 9-7) and three seepage samples were collected along the Madrid Exploration Track and Pads adjacent to Patch Lake (Figure 9-5 and Figure 9-6).

### Field Data

Table 9-14 presents field results for samples collected from Madrid Infrastructure.

Field pH ranged from 7.1 to 8.4 pH units for all samples. Field EC values were 1,100 and 980  $\mu\text{S}/\text{cm}$  for the Overburden Stockpile and the Portal Pad, respectively, and ranged from 81 to 200  $\mu\text{S}/\text{cm}$  for all road samples except for the two seeps along Windy Camp Road (400 and 860  $\mu\text{S}/\text{cm}$ ) and the seep from the base of a rock outcrop on the side of the Rig 14 Exploration Pad (25-MAD-01; 2,800  $\mu\text{S}/\text{cm}$ ).

**Table 9-14: Summary of field results for 2025 Madrid infrastructure seepage samples**

Area	Sample ID	Date	pH	EC	ORP <sup>1</sup>	Temperature	Flow
			<i>s.u.</i>	$\mu\text{S}/\text{cm}$	<i>mV</i>	$^{\circ}\text{C}$	<i>L/s</i>
Overburden Stockpile	25-MAD-06	17-Jun-25	8.0	1100	160	12	Not measurable
Portal Pad	25-MAD-07	17-Jun-25	7.7	980	47	8.0	0.097
Madrid to TIA Road	25-DC-02	5-Jun-25	7.4	81	150	6.6	0.96
	25-DC-03	8-Jun-25	7.7	180	210	10	Not measurable
Madrid Exploration Track	25-MAD-01	8-Jun-25	7.4	2800	230	12	Not measurable
	25-MAD-02	10-Jun-25	8.4	120	160	8.4	0.24
	25-MAD-03	10-Jun-25	8.2	200	160	4.3	Not measurable
	25-MAD-04	11-Jun-25	7.9	100	170	6.4	0.52
Windy Camp Road	25-MAD-05	16-Jun-25	7.1	400	130	6.0	0.071
	25-MAD-08	17-Jun-25	7.8	860	66	5.7	2.2

Source:

[https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024)

Notes:

<sup>1</sup> Field calibrated ORP measurements

## Laboratory Data

Table 9-15 and Table 9-16 present the analytical data for the Madrid Infrastructure seepage samples.

Overburden Stockpile chemistry is summarized as follows:

- Laboratory pH was 8.3 pH units and EC was 1,700  $\mu\text{S}/\text{cm}$ .
- Major cation chemistry was dominated by sodium (200 mg/L) and anion chemistry was dominated by chloride (360 mg/L). Total alkalinity was 200 mg/L as  $\text{CaCO}_3$  and sulphate was 150 mg/L.
- Ammonia, nitrate, and nitrite concentrations were 0.019, 0.019 and 0.0033 mg/L as N, respectively.
- Dissolved metals concentrations were lower than or within the range of previously observed values from this area.

Portal Pad seepage chemistry is summarized as follows:

- Laboratory pH was 8.1 pH units and EC was 900  $\mu\text{S}/\text{cm}$ .
- The major cation chemistry was dominated by calcium (78 mg/L) and sodium (59 mg/L) while major anions were dominated by chloride (180 mg/L) with lesser alkalinity (120 mg/L as  $\text{CaCO}_3$ ).
- Ammonia, nitrate, and nitrite concentrations were 0.018, 0.17, and 0.0039 mg/L as N, respectively.
- Dissolved metals concentrations were generally low and within the range of values historically observed at Doris reference seepage stations.

Madrid to TIA Road:

- Laboratory pH was 7.5 and 7.8 pH units and EC was 78 and 160  $\mu\text{S}/\text{cm}$ .
- Major ion chemistry in both samples was dominated by calcium (8.6 and 15 mg/L) and alkalinity (29 and 49 mg/L total, as  $\text{CaCO}_3$ ).
- Concentrations of nitrogen species were generally low and within the range observed in Doris reference seepage samples. Ammonia concentrations were 0.018 and 0.017 mg/L as N, nitrate was <0.005 (below detection) and 0.023 mg/L as N, and nitrite was near or below the detection limit (<0.0010 mg/L as N).
- Dissolved metals concentrations were generally low and within the range of values historically observed at Doris reference seepage stations.

Madrid Exploration Track:

- Laboratory pH ranged from 7.5 to 7.8 pH units and EC ranged from 80 to 160  $\mu\text{S}/\text{cm}$  for all samples except 25-MAD-01 (2,700  $\mu\text{S}/\text{cm}$ ).
- Major cation chemistry was dominated by calcium in all samples (1.9 to 370 mg/L). Major anion chemistry in 25-MAD-01 was dominated by chloride (800 mg/L) with lesser alkalinity (130 mg/L), which is a result of a drilling brine spill at the pad where the seepage sample was collected. In all other samples, alkalinity was the dominant anion (29 to 66 mg/L). Sulphate concentrations were 15 mg/L in 25-MAD-01 and less than 3.3 mg/L in other samples.

- Ammonia and nitrite concentrations were highest in the 25-MAD-01 sample (1.3 and 0.020 mg/L as N, respectively). Nitrate in all samples ranged from below detect (< 0.0050 mg/L as N) to 0.31 mg/L as N in 25-MAD-03.
- Dissolved metals concentrations were generally low and within the range of values historically observed at Doris reference seepage stations.

Windy Camp Road:

- Laboratory pH was 8.0 and 8.1 pH units and EC was 440 and 830  $\mu\text{S}/\text{cm}$ .
- Major cation chemistry in both samples was dominated by calcium (35 and 57 mg/L) and sodium (28 and 67 mg/L). Major anions were dominated by alkalinity (85 and 98 mg/L total, as  $\text{CaCO}_3$ ) and chloride (70 and 190 mg/L).
- Concentrations of nitrogen species were similar to those observed along the new Madrid to TIA and Exploration Track roads. Ammonia was 0.017 and 0.024 mg/L as N, nitrate was 0.018 and 0.17 mg/L as N, and nitrite was 0.0035 and 0.0012 mg/L as N.
- Dissolved metals concentrations were generally low and within the range of values historically observed at Doris reference seepage stations.

**Table 9-15: Summary of physical parameters and major ions for 2025 Madrid Infrastructure**

Area	Sample ID	Date	pH	EC	TDS	Total Alkalinity	Total Ammonia	Cl	NO <sub>3</sub>	NO <sub>2</sub>	SO <sub>4</sub>	Ca	Mg	K	Na
			s.u.	µS/cm	mg/L	mg/L as CaCO <sub>3</sub>	mg/L as N	mg/L	mg/L as N	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L
Overburden Stockpile	25-MAD-06	17-Jun-25	8.3	1700	1000	200	0.019	360	0.018	0.0033	150	71	40	12	200
Portal Pad	25-MAD-07	17-Jun-25	8.1	900	610	120	0.018	180	0.17	0.0039	53	78	16	3	59
Madrid to TIA Road	25-DC-02	5-Jun-25	7.5	78	75	29	0.018	6.5	<0.005	0.0010	0.96	8.6	2.7	0.69	5.2
	25-DC-03	8-Jun-25	7.8	160	110	49	0.017	19	0.023	0.0011	3.4	15	4.3	0.9	11
Madrid Exploration Track	25-MAD-01	8-Jun-25	7.8	2700	1700	130	1.6	800	0.10	<0.02	15	370	30	13	87
	25-MAD-02	10-Jun-25	7.5	97	72	36	0.020	8.0	<0.005	<0.001	1.3	9.7	3.1	0.57	5.2
	25-MAD-03	10-Jun-25	7.8	160	87	66	0.053	9.0	0.31	0.0050	3.3	18	3.9	1	8
	25-MAD-04	11-Jun-25	7.4	80	54	29	0.026	6.8	0.0078	0.0018	1.6	7.9	1.9	0.71	5.6
Windy Camp Road	25-MAD-05	16-Jun-25	8.1	440	290	98	0.017	70	0.018	0.0035	17	35	9.7	1.2	28
	25-MAD-08	17-Jun-25	8.0	830	550	85	0.024	190	0.17	0.0012	31	57	16	3.1	67

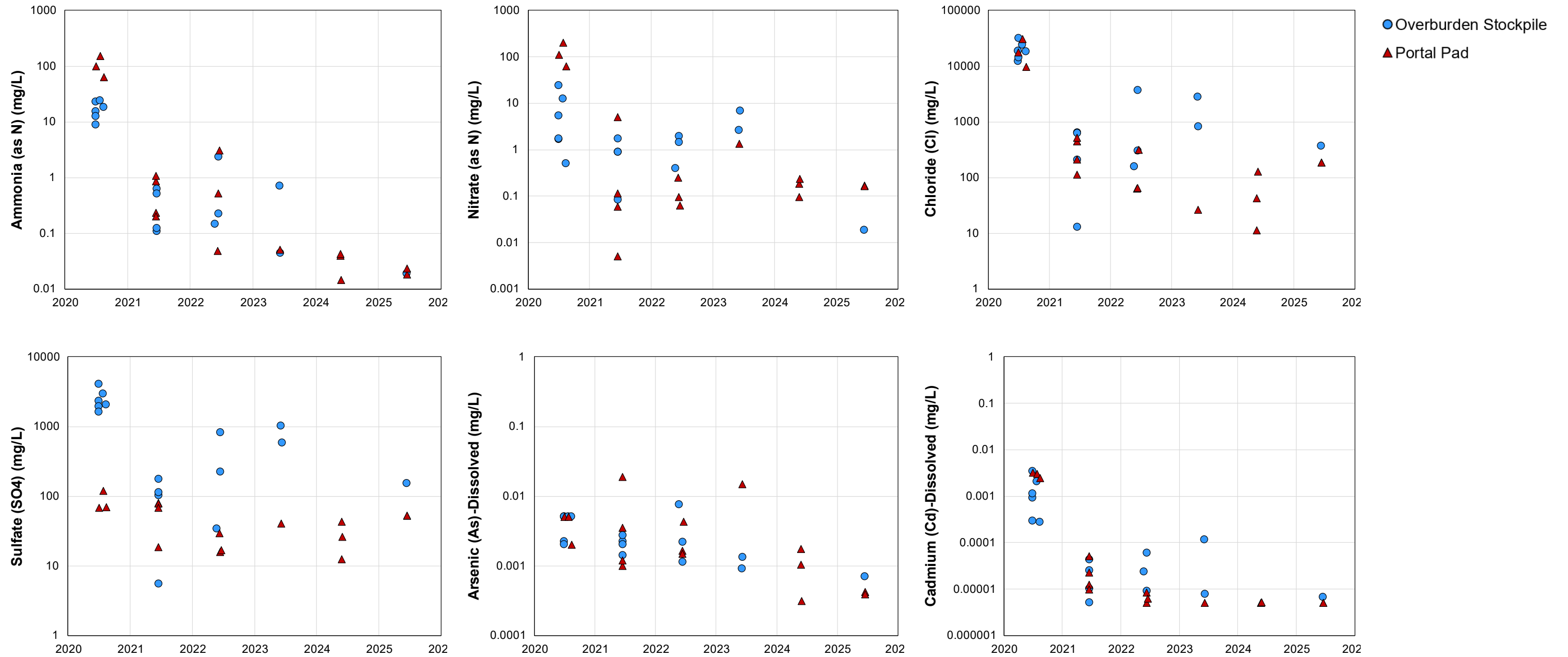
Sources : [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

**Table 9-16: Summary of dissolved metals for 2025 Madrid Infrastructure**

Area	Sample ID	Date	Al mg/L	Ba mg/L	As mg/L	Cd mg/L	Co mg/L	Cu mg/L	Fe mg/L	Mn mg/L	Mo mg/L	Ni mg/L	Se mg/L	Sr mg/L	Zn mg/L
Overburden Stockpile	25-MAD-06	17-Jun-25	0.013	0.02	0.0007	0.0000067	<0.0001	0.0054	0.010	0.0099	0.0044	0.0022	0.00018	0.33	<0.001
Portal Pad	25-MAD-07	17-Jun-25	0.0043	0.021	0.00042	<0.000005	0.00027	0.0016	0.20	0.038	0.00063	0.0024	0.00012	0.10	<0.001
Madrid to TIA Road	25-DC-02	5-Jun-25	0.081	0.0033	0.00023	0.000027	0.00013	0.0018	0.17	0.021	0.00023	0.0026	<0.00005	0.023	0.013
	25-DC-03	8-Jun-25	0.049	0.0044	0.00028	<0.000005	0.00017	0.0013	0.27	0.015	0.00017	0.0020	<0.00005	0.031	0.0017
Madrid Exploration Track	25-MAD-01	8-Jun-25	0.022	0.081	0.0011	0.00022	0.00086	0.0071	<0.02	0.28	0.00079	0.0020	0.00012	0.75	0.010
	25-MAD-02	10-Jun-25	0.035	0.0034	0.00015	<0.000005	<0.0001	0.0013	0.10	0.0040	0.00018	0.0020	<0.00005	0.014	0.011
	25-MAD-03	10-Jun-25	0.01	0.006	0.00064	<0.000005	0.00024	0.0024	0.083	0.053	0.00025	0.00060	0.000056	0.022	<0.001
	25-MAD-04	11-Jun-25	0.028	0.003	0.0002	<0.000005	<0.0001	0.0011	0.040	0.027	0.000084	0.0014	<0.00005	0.011	0.0020
Windy Camp Road	25-MAD-05	16-Jun-25	0.014	0.0065	0.00049	0.0000056	<0.0001	0.0049	0.058	0.0068	0.00017	0.0017	0.000063	0.090	0.0013
	25-MAD-08	17-Jun-25	0.0066	0.017	0.0003	0.0000062	0.00017	0.0017	0.16	0.015	0.00052	0.0027	0.000070	0.22	<0.001

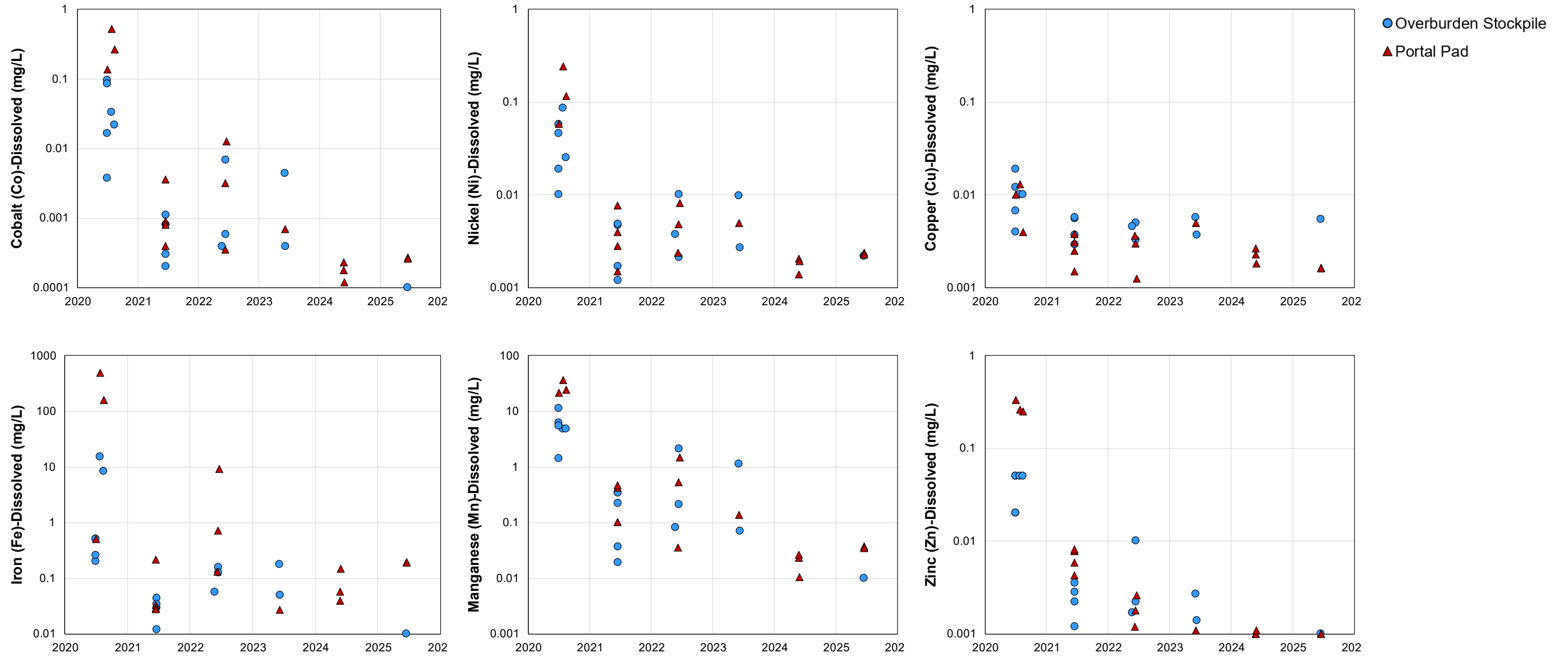
Sources : [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

Figure 9-15: Time series plots for ammonia, nitrate, chloride, sulphate, arsenic, and cadmium for Madrid Infrastructure seepage stations



Sources : [https://srk.sharepoint.com/sites/FS208/Internal/!Project\\_Data%20\(Not%20Job%20Specific\)/19\\_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep\\_WQData\\_REV04\\_2024.xlsx](https://srk.sharepoint.com/sites/FS208/Internal/!Project_Data%20(Not%20Job%20Specific)/19_Geochem/Working%20Files/Seepage/Doris-Madrid%20seepage%20compilation/DorisMadridSeep_WQData_REV04_2024.xlsx)

Figure 9-16: Time series plots for cobalt, nickel, copper, iron, manganese, and zinc for Madrid Infrastructure seepage stations



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## 10 Summary and Conclusions

Material production, management and geochemical monitoring conducted in 2025 for waste rock, quarry rock, construction rock and tailings are summarized in the sections below.

### 10.1 Waste Rock

#### 10.1.1 Doris

In 2025, the Doris mine was in care and maintenance. As a result, no waste rock was placed on the stockpile at the Madrid North WRSA and no waste rock solids monitoring was conducted.

#### 10.1.2 Madrid North

In 2025, waste rock from underground mining was produced at Naartok East (21,024 t), Naartok West (40,479 t) and Patch 7. The Naartok West portal was opened in 2025. All waste rock was transferred to the Madrid North Waste Rock Pile

Based on underground geological mapping by Agnico Eagle, waste rock intersected by the Madrid North underground workings in 2025 was geologically logged as follows:

At Naartok East waste rock mapping indicated that waste rock was 60% mafic metavolcanics (1a, 1p, 1pv) ; 25% ultramafic volcanics (1u); and 15% intermediate to felsic flows or tuffs (3a, 3b).

At Naartok West waste rock mapping indicated that waste rock was 50% mafic metavolcanics (1a, 1as, 1p, 1i); 40% ultramafic volcanics (1u); and 10% intermediate to felsic flows or tuffs (2p, 3a, 3b).

Seven samples of waste rock were geochemically characterized from Naartok East and three from Naartok West. Values of paste pH ranged from 7.1 to 9.3. Total sulphur content ranged from 0.08% to 0.15% for Naartok West samples and from 0.11% to 0.76% for Naartok East. Sulphide sulphur, calculated as the difference between total sulphur and sulphate, ranged from 0.07% to 0.75% and was at near parity with total sulphur. Modified NP was between 110 and 330 kg CaCO<sub>3</sub>/t compared to TIC content between 96 to 390 kg CaCO<sub>3</sub>/t. For samples with TIC < 200 kgCaCO<sub>3</sub>/t, NP and TIC content was near equivalent. For samples with TIC > 200 kgCaCO<sub>3</sub>/t, TIC was greater than NP, indicating that TIC overestimates the amount of carbonate available for buffering due to the presence of NP-neutral iron and/or manganese carbonates. All samples were classified as non-PAG on the basis of TIC/AP and NP/AP.

Arsenic was enriched five to nine times higher than the screening criterion for three samples from Naartok East. All other parameters were less than ten times the average crustal abundance for basalt indicating no appreciable enrichment.

## 10.2 Quarry Rock

In 2025, there were 9 blasts at Sump 1<sup>4</sup>, 12 blasts at Quarry AF, and 53 blasts at Quarry D. The results of the quarry monitoring program in 2025 are summarized as follows:

- Geological inspections indicated quarry rock was mafic metavolcanic. Fibrous actinolite was not present.
- Two sets of samples were collected from Sump 1, Quarry AF, and Quarry D. One set of samples was collected at Quarry 2 and Quarry E (although no blasting activities occurred in those quarries in 2025).
- Total sulphur content for all samples ranged from 0.098% to 0.17.
- For all samples that showed total sulphur results greater than 0.1%, ABA, trace elements, and SFE analyses are currently in progress and results will be submitted as an addendum to this report.

## 10.3 Construction Rock

All the construction rock used in 2025 projects was sourced from quarries D, AF, and Sump 1, and blasted construction rock from Quarry 2. A total of 795,573 t of quarry rock was used, and the main construction projects of the reporting period were:

- 173,884 t and 24,078 t from Quarry AF and Quarry 2, respectively, were used to build Roberts Bay transit pad and some associated infrastructure.
- 258,268 t, 29,627 t, and 480 t, from Quarry D, Quarry 2, and Sump 1, respectively, were used to construct other pads across the site.
- 105,940 t, 8,498 t, and 6,388 t were moved from Quarry D, Sump 1, and Quarry 2, respectively, to construct the Madrid to TIA road.

Due to local climate conditions (heavy snow cover in the winter), as-built construction monitoring for the Hope Bay Project occurs during the summer months. In accordance with the Quarry Management and Monitoring Plan, geological inspection and geochemical sampling are completed following construction of infrastructure. Construction began in 2024 and continued in 2025, sampling will be conducted once construction is finalized.

## 10.4 Tailings

After being in care and maintenance since 2021 (with the last tailings production occurring mid-October 2021), the process plant was decommissioned and demolished. Accordingly, geochemical monitoring of tailings was limited to the opportunistic seepage sampling from underground backfilled stopes (TL-11). Results are summarized as follows:

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<sup>4</sup> In Quarry AH

- In all samples, pH ranged between 8.1 and 8.3 and all values were within the historical range of TL-11 seepage data. All 2025 samples exhibited pH values above the 50<sup>th</sup> percentile from the historical sample set (2017 to 2024) but all were below the 95<sup>th</sup> percentile from the historical data.
- EC results were >5,000  $\mu\text{S}/\text{cm}$  (5,300 to 15,000  $\mu\text{S}/\text{cm}$ ) for all 2025 samples. The highest EC values were reported at Level 110 (October 2025) and at Level 120 (November 2025); these results ranged from 11,000 to 15,000  $\mu\text{S}/\text{cm}$ . Since 2020, EC values have been approximately five to ten times lower than seepage samples collected from 2017 to 2019 (Figure 8-1).
- All 2025 seepage samples have a major cation chemistry dominated by sodium (810 to 2,500 mg/L). Chloride was the dominant anion (1,500 to 5,100 mg/L). This major ion signature is characteristic of seawater, although concentrations are more dilute than seawater.
- The decrease in EC from 2020 onwards coincides with a decrease in concentrations of a number of key parameters including dissolved cadmium, cobalt, copper, nickel, selenium, zinc, and silver. These trends continued through 2025.
- The sample collected at the toe of the waste pile at Level 110 reported the highest sulphate concentration (880 mg/L). This result was greater than the 50<sup>th</sup> percentile from the historical sample set. Sulphate concentrations in all other seepage samples ranged between 260 and 420 mg/L.
- The results suggest that seepage samples collected between 2017 and 2019 represent contact water of detoxified tailings whereas concentrations in samples collected between 2020 and 2022 are more dilute and likely represent contact water mixed with saline groundwater. Concentrations in 2023 seepage samples were similarly dilute, however without chloride data, a saline source could not be assessed. 2025 seepage samples are consistent with post-2019 trends, suggesting continued contact water mixed with saline groundwater.

## 10.5 Seepage

The scope of the 2025 seepage survey included monitoring of waste rock at Doris and Madrid, the Doris Airstrip, various Madrid infrastructure and roads, and three reference sites, located in the undisturbed tundra and not subject to mine influences. Seepage from the Madrid portal pad (SRK 2022) was also included in the 2025 seepage survey.

### Doris Waste Rock Influenced Area

Two samples were collected in 2025 from locations from the Doris WRIA. One sample was collected immediately downstream of waste rock on Pad T and one was collected downstream of waste rock and ore on Pad I at the upstream embankment of the Doris Contact Water Pond 1. The sample from downstream of Pad I showed waste rock and ore influenced chemistry with elevated EC and chloride while the other had lower values.

A summary of seepage chemistry is as follows:

- pH for all both samples was non-acidic (8.1 and 8.8).

- Major ion chemistry in the Pad T sample was dominated by alkalinity and calcium, while the Pad I sample exhibited elevated chloride and sulphate concentrations relative to the Pad T sample.
- Nitrogen species concentrations were low and generally below historic median values for the WRIA.
- Dissolved metals concentrations were generally similar to or below historic WRIA values.

Results indicate that the sample downstream of Pad I was characteristic of waste rock seepage whereas the seepage chemistry from the sample near Pad T was more consistent with quarry or construction rock. All contact water from waste rock and associated infrastructure continues to be captured by the site water management system and transferred to the Doris Tailings Impoundment Area.

### **Doris Infrastructure**

One seepage sample was collected from the Doris Airstrip area in 2025.

- The laboratory pH was 8.0 and the laboratory EC was 220  $\mu\text{S}/\text{cm}$ .
- Major ion chemistry was dominated by alkalinity and calcium.
- Nitrogen species concentrations were low and similar to concentrations observed at reference seepage stations.
- Dissolved metals concentrations were low and within the range historically observed for reference seepage.

These results indicate that seepage from the Doris Airstrip area is consistent with background water quality and shows no evidence of mine-related loading.

### **Madrid North Waste Rock Storage Area**

Routine monitoring of the Madrid North WRSA included monthly sampling of the contact water pond (CWP) and collection sumps. No freshet seepage was observed at the downstream toe of the CWP berm, WRSA pad, or waste rock stockpiles during the 2025 survey.

A summary of the results are as follows:

- All samples were non-acidic (pH 7.7 to 8.4) and laboratory EC values ranged from 240 to 9,600  $\mu\text{S}/\text{cm}$ . Major ions and EC values increased seasonally from June through August at all stations.
- Major ion chemistry in the Madrid CWP was dominated by calcium (22 to 1,200 mg/L) with secondary contributions from sodium (17 to 640 mg/L) and magnesium (5.1 to 180 mg/L). Major anions were dominated by chloride (28 to 3,400 mg/L) with lesser alkalinity (50 to 110 mg/L as  $\text{CaCO}_3$ ) and sulphate (28 to 300 mg/L). Concentrations of major ions were consistently higher at MMS1-N relative to MMS1-S.

- Seepage chemistry at the sumps reflected drainage from underground waste rock. Major cations at Sump 1 were dominated by calcium (51 to 270 mg/L) with lesser sodium (21 to 100 mg/L), while Sump 3 exhibited greater contributions from sodium (43 to 260 mg/L) and calcium (18 to 250 mg/L). Major anions were typically dominated by chloride and sulphate.
- Nitrogen species concentrations are indicative of residual explosives associated with underground waste rock. Ammonia concentrations ranged from 0.0099 to 0.12 mg/L as N in the CWP and were generally low in Sump 1 (0.018 to 0.066 mg/L as N). Elevated concentrations of ammonia (1.8 mg/L as N), nitrate (up to 19 mg/L as N), and nitrite (0.19 mg/L as N) were observed in the August sample from Sump 3, indicating stronger influence from underground waste rock contact water at this location.
- Chloride concentrations were elevated in several samples, particularly at MMS1-N (up to 3,400 mg/L), consistent with drainage influenced by underground drilling brine. Chloride concentrations were lower at MMS1-S and the collection sumps but increased during the summer months, reflecting evapoconcentration.
- Dissolved metals concentrations were variable across monitoring locations and also exhibited seasonality, generally increasing from June to August. No consistent temporal trends were apparent.

All drainage from the Waste Rock Storage Area continues to be captured by downstream sumps and pumped back to the CWP.

### Madrid Infrastructure

Seepage samples were collected from the reclaimed Madrid Portal Pad, the overburden stockpile, the Madrid to TIA Road, the Madrid Exploration Track, and the Windy Camp Road.:

- Laboratory pH ranged from 7.4 to 8.3. Laboratory EC was 1700  $\mu\text{S}/\text{cm}$  and 900  $\mu\text{S}/\text{cm}$  for the overburden stockpile and the portal pad, respectively. EC values for the road samples ranged from 78 to 160  $\mu\text{S}/\text{cm}$  for most samples, excluding one Madrid Exploration Track sample (2,700  $\mu\text{S}/\text{cm}$ ) and the Windy Camp Road samples (440 and 830  $\mu\text{S}/\text{cm}$ ).
- Major ions in seepage from the overburden stockpile and Portal Pad was dominated by sodium, calcium, chloride, and alkalinity.
- Major ion chemistry in road seepage samples was typically dominated by calcium alkalinity. One seepage location at one of the exploration pads (25-MAD-01) exhibited elevated EC and chloride concentrations, associated with a localized drilling brine spill.
- Nitrogen species and dissolved metals concentrations were generally low and within the range of historically observed values for reference seepage samples.

Overall, seepage associated with Madrid infrastructure is generally consistent with background water chemistry with localized influences from construction materials or drilling brine.

## Closure

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All data used as source material plus the text, tables, figures, and attachments of this document have been reviewed and prepared in accordance with generally accepted professional engineering and environmental practices.

## References

- Agnico Eagle 2022a. Waste Rock, Ore and Mine Backfill Management Plan, Hope Bay Project, Nunavut. June 2022.
- Agnico Eagle 2022b. Quarry Management Plan, Hope Bay, Nunavut. September 2022.
- Agnico Eagle 2022c Quality Assurance and Quality Control Plan, Hope Bay March 2022
- Day, S.J. and Kennedy, C.B. 2015. Setting ARD management criteria for mine wastes with low sulfide content. Proceedings of the 10<sup>th</sup> International Conference on Acid Rock Drainage, Santiago, Chile, April 20 to 25, 2015.
- MEND 1991. Acid Rock Drainage Prediction Manual. Mine Environment Neutral Drainage Program. Report 1.16.1b.
- MEND 2009. Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. Mine Environment Drainage Program. Report 1.20.1
- Nunavut Water Board 2018. Water Licence No. 2AM-DOH1335 – Amendment No. 2. Issued on December 7, 2018.
- Nunavut Water Board 2022. Water Licence No: 2BE-HOP1232 Issued on June 30, 2022.
- Price, W.A. 1997. DRAFT Guidelines and Recommended Methods for the Prediction of Metal Leaching and Acid Rock Drainage at Mine sites in British Columbia. BC Ministry of Employment and Investment, Energy and Minerals Division. 151pp.
- SRK Consulting (Canada) Inc., 2015a. Static Testing and Mineralogical Characterization of Waste Rock and Ore from the Doris Deposit, Hope Bay. Report prepared for TMAC Resources by SRK Consulting, June 2012.
- SRK Consulting (Canada) Inc. 2015b. Geochemical Characterization of Tailings from the Doris Deposits, Hope Bay. Report prepared for TMAC Resources Inc. Project no 1CT022.002. June 2015.
- SRK Consulting (Canada) Inc., 2017. Geochemical Characterization of Waste Rock and Ore, Madrid North Deposit, Hope Bay Project. Prepared for TMAC Resources Inc. SRK Project No. 1CT022.004. June 2017.
- SRK Consulting (Canada) Inc., 2019. Classification of Waste Rock in Support of Segregating Construction Rock from Naartok East Crown Pillar Recovery Trench, Madrid North, Hope Bay Project - DRAFT. Prepared for TMAC Resources Inc. SRK Project Number. 1CT022.037. June 2020.
- SRK Consulting (Canada) Inc. 2021. 2021 Waste Rock, Quarry and Tailings Monitoring Report, Doris and Madrid North Mines. Prepared for Agnico Eagle Mines Ltd. SRK Project Number 1CT022.073. Revised May 2022.
- SRK Consulting (Canada) Inc. 2023. 2022 Annual Geochemistry Monitoring Report. Prepared for Agnico Eagle Mines Ltd. SRK Project Number CAPR002393. March 2023.
- SRK Consulting (Canada) Inc. 2024a. 2023 Geochemical Source Investigation of Water Downstream of North and South Dams, Hope Bay Project. Prepared for Agnico Eagle Mines Ltd. SRK Project Number CAPR002393. January 2024.
- SRK Consulting (Canada) Inc., 2024b. Expectations for Laboratory Geochemical Data Quality. Internal Memo.

SRK Consulting (Canada) Inc. 2025. 2024 Annual Geochemistry Monitoring Report. FINAL. Prepared for Agnico Eagle Mines Ltd.: Project number: CAPR003064 Issued March 2025.

TMAC Resources Inc., 2019. Waste Rock, Ore and Mine Backfill Management Plan, Hope Bay Project, Nunavut. Report prepared for the Nunavut Water Board by TMAC Resources, March 2019.

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**Appendix A      Quarry Rock Monitoring**

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**Appendix A1   Geological Inspection Records**



**AGNICO EAGLE**  
HOPE BAY

## Quarry Inspection

Inspection Date: 24-Mar-25 Blast Date: 21-Mar-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium grey/green, fine to medium grained mafic volcanics. Light reddish hematite alteration locally observed along fracture surfaces.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate veinlets randomly oriented. Mm scale, randomly oriented and fracture filling.
<b>Sulphides</b>	Y	<b>If yes:</b> Fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
1 - 21-Mar-25 Blast	Blast Face: Light to med grey/green in color. Local reddish hematite alteration concentrated on west side of blast face. Blast face is moderate to highly fractured and blocky. Small Blast Face.

### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

#### Whole Rock Sample:

Sample ID: C015232

**Description:** Light to medium grey/green, fine to medium grained mafic volcanics. Light reddish hematite alteration locally observed along fracture surfaces. Trace disseminated pyrite.



#### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 4m layer of benign rock and a record of the location.  
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**AGNICO EAGLE**  
HOPE BAY

### Quarry Inspection

Inspection Date: 18-Apr-25 Blast Date: 08-Apr-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium grey, fg - mg mafic volcanics. Light red hematite alteration locally observed along fracture surfaces.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate veinlets Cm- Mm scale
<b>Sulphides</b>	Y	<b>If yes:</b> Fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
1 - 4/8/2025 Blast	Blast Face: Light to med grey/green in color. Local reddish hematite alteration

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Description:</b>
<b>Screen sample:</b> Same Material as Whole Rock Sample (Between 1-2 kg)
Sample ID: _____
<b>Description:</b>

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 4m layer of benign rock and a record of the location.

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**AGNICO EAGLE**  
HOPE BAY

### Quarry Inspection

Inspection Date: 28-May-25 Blast Date: 10-May-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium grey and red, fine grained - medium grained mafic volcanics. Light to med red hematite alteration along fracture surfaces.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate str
<b>Sulphides</b>	Y	<b>If yes:</b> Tr fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
1 - 5/10/2025 Blast	No geo visit, no geo on site. Samples collected by engineer in training. Sample described above

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: <u>CAHBM102176</u>
<b>Description:</b> Light to medium grey and red, fine grained - medium grained mafic volcanics. Light to med red hematite alteration along fracture surfaces. 1-2% quartz/carbonate str. Tr Fine grained disseminated pyrite.
<b>Screen sample:</b> Same Material as Whole Rock Sample (Between 1-2 kg)
Sample ID: <u>CAHBM102177</u>
<b>Description:</b> Light to medium grey and red, fine grained - medium grained mafic volcanics. Light to med red hematite alteration along fracture surfaces. 1-2% quartz/carbonate str. Tr Fine grained disseminated pyrite.

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 4m layer of benign rock and a record of the location.  
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**AGNICO EAGLE**  
HOPE BAY

### Quarry Inspection

Inspection Date: 10-Jun-25 Blast Date: 06-Jun-25

Geologist: Chris Annan

Quarry Location: Quarry D

#### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium grey, FG mafic volcanics. He oxidation along fracture surfaces.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% Qz/Cb str
<b>Sulphides</b>	Y	<b>If yes:</b> Tr FG Diss Py. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED: Y/N	
<b>UTM (only needed if anomalous):</b>		

#### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
	Pictures of blasted trench attached discription above

#### Quarry Rock Sampling

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample:</b> Same Material as Whole Rock Sample (Between 1-2 kg)
Sample ID: _____

#### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of host rock and a record of the location  
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**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 20-Jun-25 Blast Date: 16-Jun-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to med grey and red, fg-mg mafic volcanics Light to med red hematite alteration along fracture surfaces.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate str
<b>Sulphides</b>	Y	<b>If yes:</b> Tr fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Quarry not active at time of visit. Allot of recent blkast near surface allot of oxidized material

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: <u>C015234</u>
<b>Description:</b> Light to med grey and red, fg-mg mafic volcanics. Light to med red hematite alteration along fracture surfaces. 1-2% quartz/carbonate str. Tr Fine grained disseminated pyrite.
<b>Screen sample:</b> Same Material as Whole Rock Sample (Between 1-2 kg)
Sample ID: <u>C015235</u>
<b>Description:</b> Light to med grey and red, fg-mg mafic volcanics. Light to med red hematite alteration along fracture surfaces. 1-2% quartz/carbonate str. Tr Fine grained disseminated pyrite.

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 4m layer of benign rock and a record of the location.  
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**AGNICO EAGLE**  
HOPE BAY

## Quarry Inspection

Inspection Date: 02-Jul-25 Blast Date: 11-Jun-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry D

### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Fine grained, light grey-reddish brown mafic volcanics. Localized moderate to strong haematite alteration.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b>
<b>Sulphides</b>	Y	<b>If yes:</b> <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
	Photos looking North-North West. Fine grained, light grey-reddish brown mafic volcanics. Localized moderate to strong haematite alteration associated with joints and fractures. Appears to be a vein or fault structure running sub horizontal along the north face of quarry which is also strongly haematized.

### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

#### Whole Rock Sample (-1cm): Minimum 1 kg

Sample ID: \_\_\_\_\_

Description:

#### Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)

Sample ID: \_\_\_\_\_

Description:

### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



AGNICO EAGLE  
HOPE BAY

### Quarry Inspection

Inspection Date: 07-Jul-25 Blast Date: 02-Jul-25

Geologist: Annette Parry

Quarry Location: Quarry D

#### General Visual Inspection

Rock Type	Mafic Volcanics	Description: Fine grained, light grey-reddish brown mafic volcanics. Localized moderate to strong haematite alteration.
Vein	Y	If yes, describe (min, %, size):
Sulphides	Y	If yes: Percentage: 0.01%
Fibrous Actinolite	N	If yes, describe (min, %, size):
If anomalous rock types/significant sulphides:	TAGGED:  Y/N	
UTM (only needed if anomalous):		

#### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
	Photos looking North-North West. Fine grained, light grey-reddish brown mafic volcanics. Localized moderate to strong haematite alteration.

#### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: _____
Description:
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____
Description:

#### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.

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**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 02-Aug-25 Blast Date: 20-Jul-25

Geologist: Chris Annan

Quarry Location: Quarry D **No change since last visit besides more blast holes drilled**

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium grey and red, fine grained - medium grained mafic volcanics. Light to med red hematite alteration along fracture surfaces.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate str
<b>Sulphides</b>	Y	<b>If yes:</b> Tr fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Quary not active at time of visit. Just seen the top of the last blast. Agin allot of oxidized material and overburden in near surface blasts.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 4m layer of benign rock and a record of the location.

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**AGNICO EAGLE**  
HOPE BAY

## Quarry Inspection

Inspection Date: 09-Aug-25 Blast Date: 07-Aug-25

Geologist: Annette Pardy

Quarry Location: Quarry D

### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Light to med red hematite alteration along fracture surfaces.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> Tr fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
	Light to med greenish grey to redish brown in color. Local weak to moderate hematite alteration, 1-2% quartz carbonate stringers and trace fine grained pyrite.

### Quarry Rock Sampling

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 4m layer of benign rock and a record of the location.

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**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 15-Aug-25 Blast Date: 10-Aug-25

Geologist: Annette Pardy

Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> Tr fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Light to med greenish grey to redish brown in color. Local weak to moderate hematite alteration, 1-2% quartz carbonate stringers and trace fine grained pyrite.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample:</b> Same Material as Whole Rock Sample (Between 1-2 kg)
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 4m layer of benign rock and a record of the location.  
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**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 23-Aug-25 Blast Date: 22-Aug-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration. Local weak to moderate epidote alteration.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> Tr fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration. Local weak to moderate epidote alteration.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 10-Sep-25 Blast Date: 27-Aug-25

Geologist: Chris Annan

Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> No material 2 hrs before blast
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b>
<b>Sulphides</b>	Y	<b>If yes:</b> <b>Percentage:</b>
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
Next blast	Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

### Quarry Inspection

Inspection Date: 16-Sep-25 Blast Date: 15-Sep-25

Geologist: Chris Annan

Quarry Location: Quarry D

#### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration particularly on Joints going close to surface and to the west
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% Qz /Cb
<b>Sulphides</b>	Y	<b>If yes:</b> Trace <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

#### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
Blasted material	Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration to the west.

#### Quarry Rock Sampling

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample:</b> Same Material as Whole Rock Sample (Between 1-2 kg)
Sample ID: _____

#### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
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**Quarry Inspection**

Inspection Date: 29-Sep-25 Blast Date: 27-Sep-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration .
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% qtz/carb veinletes throughout
<b>Sulphides</b>	Y	<b>If yes:</b> Trace <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
Blasted material	Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration. 1-2% qtz/carb veinletes throughout with trace pyrite.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

### Quarry Inspection

Inspection Date: 06-Oct-25 Blast Date: 03-Oct-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration .
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1% qtz/carb veinletes throughout
<b>Sulphides</b>	Y	<b>If yes:</b> Trace <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
Blasted material	Light to medium greenish grey-reddish, fine grained - medium grained mafic volcanics. Local weak to moderate hematite alteration. 1% qtz/carb veinletes throughout with trace pyrite.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample:</b> Same Material as Whole Rock Sample (Between 1-2 kg)
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of native rock and a record of the location.



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**Quarry Inspection**

Inspection Date: 15-Oct-25 Blast Date: 09-Oct-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description: No material Left from last blast-</b> Escavator digging at oxidizea area in center of quarry
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1% qz/cb VI
<b>Sulphides</b>	Y	<b>If yes: Tr</b> <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
Blasted material	No material Left from last blast-Escavator digging at oxidizea area in center of quarry

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 22-Oct-25 Blast Date: 20-Oct-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Oxidized fault along blast face. Grey mafic volcanics in blast, Tr Sulphides , 2% Qz/Cb Strs
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% qz/cb strs
<b>Sulphides</b>	Y	<b>If yes:</b> Tr <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
Blasted material	Oxidized fault along blast face. Grey mafic volcanics in blast, Tr Sulphides , 2% Qz/Cb Strs

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 28-Oct-25 Blast Date: 24-Oct-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light Grey green mafic volcanics, Tr Sulphides , 2% Qz/Cb Strs
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% qz/cb strs
<b>Sulphides</b>	Y	<b>If yes:</b> Tr <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
North	Light Grey green mafic volcanics, Tr Sulphides , 2% Qz/Cb Strs
South	Light Grey green mafic volcanics. Weak to Mode He Alt on fracture surfaces. Tr Sulphides , 2% Qz/Cb Strs

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out areas and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 06-Nov-25 Blast Date: 04-Nov-25  
 Geologist: Annette Parry  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Fine grained, light Grey green mafic volcanics. Local weak hematite alteration. (Observed from muck pile)
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% qtz-carb veinlets
<b>Sulphides</b>	Y	<b>If yes: Tr</b> <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
North	Mostly snow covered. Light grey-green mafic volcanics. Local weak Hematite
West	Mostly snow covered. Light grey-green mafic volcanics. Moderate-strong. Hematite mainly observed along south west face.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out areas and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 14-Nov-25 Blast Date: 12-Nov-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Fine grained, light Grey green mafic volcanics. Local weak hematite alteration. (Observed from muck pile)
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1% qtz-carb veinlets
<b>Sulphides</b>	Y	<b>If yes: Tr</b> <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Light grey-green mafic volcanics. Local weak Hematite, 1% qtz-carb veinlets. Trace pyrite.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 24-Nov-25 Blast Date: 20-Nov-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Fine grained, light Grey green mafic volcanics.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1% qtz-carb veinlets
<b>Sulphides</b>	Y	<b>If yes: Tr</b> <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Light grey-green mafic volcanics. 1% qtz-carb veinlets. Trace pyrite.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out areas and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 01-Dec-25 Blast Date: 27-Nov-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> FG, light Grey green mafic volcanics.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1% qtz-cb veinlets
<b>Sulphides</b>	Y	<b>If yes:</b> Tr <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Light grey-green mafic volcanics. 1% qtz-carb veinlets. Trace pyrite. At the point of mainly popping the floor no real blast faces left in general.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out areas and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 09-Dec-25 Blast Date: 08-Dec-25

Geologist: Chris Annan

Quarry Location: Quarry D

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> FG, light Grey green MV
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% qtz-cb vlt
<b>Sulphides</b>	Y	<b>If yes:</b> Tr <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Light grey-green MV. 2% qtz-carb veinlets. Trace pyrite. Last bench

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: _____
<b>Screen sample: Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out areas and covered with a 1m layer of native rock and a record of the location.



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 02-Jul-25 Blast Date: 24-Jun-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry AF

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light greenish grey and locally reddish brown, fine grained mafic volcanics. Local weak heamitite alteration .
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> <1% mm-cm in size quartz/carbonate veining seen in blasted muck.
<b>Sulphides</b>	Y	<b>If yes:</b> Trace fine grained disseminated pyrite <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Attached photos facing East-North east of blasted face. Fine grained light grey mafic volcanics. Locally weak heamitite alteration observed associated with joints and fractures. A set of sub parrallell, sub horizontalts joints sets observed.

**Quarry Rock Sampling (to be done at two different stages of quarry development per year)**

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: <u>CAHBM105026</u>
Description: Light greenish grey and locally reddish brown, fine grained mafic volcanics. Local weak heamitite alteration .<1% mm-cm in size quartz/carbonate veining seen in blasted muck. Trace 0.01% fine grained disseminated pyrite. GPS Location of sample: X=432558 Y=7562868 Z= 11m
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: <u>CAHBM105027</u>
Description:Light greenish grey and locally reddish brown, fine grained mafic volcanics. Local weak heamitite alteration .<1% mm-cm in size quartz/carbonate veining seen in blasted muck. Trace 0.01% fine grained disseminated pyrite.

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.

*Pg 16: Quarry Management and Monitoring Plan - Revision 02 SRK Consulting*



**AGNICO EAGLE**  
HOPE BAY

**Quarry Inspection**

Inspection Date: 09-Jul-25 Blast Date: 08-Jul-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry AF

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light greenish grey and locally reddish brown, fine grained mafic volcanics. Local weak hematite alteration .
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> <1% mm-cm in size quartz/carbonate veining seen in blasted muck.
<b>Sulphides</b>	Y	<b>If yes:</b> Trace fine grained disseminated pyrite <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Attached photos facing south-southwest of blasted face. Fine grained light grey mafic volcanics. Locally weak hematite alteration observed associated with joints and fractures. Steeply dipping cm scale fault observed in face.

**Quarry Rock Sampling (to be done at two different stages of quarry development per year)**

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: _____
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



## Quarry Inspection

Inspection Date: 16-Jul-25 Blast Date: 12-Jul-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry AF

### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light greenish grey and locally reddish brown, fine grained mafic volcanics. Local weak hematite alteration .
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> <1% mm-cm in size quartz/carbonate veining seen in blasted muck.
<b>Sulphides</b>	Y	<b>If yes:</b> Trace fine grained disseminated pyrite <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
	Attached photos facing west, north and East. Fine grained light grey mafic volcanics. Locally weak hematite alteration observed associated with joints and fractures. Appears to be overburden exposed along the north face. Shallow dipping sub parrallel fractures observed along east and west faces.

### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: _____
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



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### Quarry Inspection

Inspection Date: 21-Jul-25 Blast Date: 18-Jul-25

Geologist: Chris Annan

Quarry Location: Quarry AF

#### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light grey. Locally reddish brown on joint faces due to Local weak hematite alteration, fine grained mafic volcanics.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> <1% mm-cm in size qz/cb veining seen in blasted muck.
<b>Sulphides</b>	Y	<b>If yes:</b> Trace FG PY <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

#### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
	Fine grained light grey mafic volcanics. Locally weak hematite alteration observed associated with joints and fractures.

#### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: _____
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____

#### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined-out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



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### Quarry Inspection

Inspection Date: 02-Aug-2025      Blast Date: 31-Jul-25  
 Geologist: Muzo Zhou / Chris Annan  
 Quarry Location: Quarry AF

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Massive Mafics, He alteration on joint surfaces
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% Qz/Cb Strs
<b>Sulphides</b>	Y	<b>If yes:</b> 0.5% Tr Py <b>Percentage:</b>
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Massive Mafics, He alteration on joint surfaces, 2% Qz/Cb Strs, 0.5% Tr Py

**Quarry Rock Sampling (to be done at two different stages of quarry development per year)**

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: _____
Description:
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: _____
Description:

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



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**Quarry Inspection**

Inspection Date: 09-Aug-2025      Blast Date: 03-Aug-25  
 Geologist: Annette Pardy  
 Quarry Location: Quarry AF

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Massive Mafic volcanics, local weak hematite alteration on joint surfaces.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% qtz-carb veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> Pyrite <b>Percentage:</b> Trace
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Massive mafic volcanics with local weak hematite alterations along joint surfaces, 2% qtz-carb veinlets and trace pyrite.

**Quarry Rock Sampling (to be done at two different stages of quarry development per year)**

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>	
Sample ID: <u>CAHBM105030</u>	
Description: Massive mafic volcanics with local weak hematite alterations along joint surfaces, 2% qtz-carb veinlets and trace pyrite.      Coordinates: 681018N;1063728W;20ft EL	
Sample ID: <u>CAHBM105031</u>	
Description:	

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



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### Quarry Inspection

Inspection Date: 08-Vov-2025 Blast Date: 07-Nov-25

Geologist: Annette Pardy

Quarry Location: Quarry AF

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Grey green-reddish brown massive mafic volcanics, pervasive moderate-strong hematite alteration.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% qtz-carb veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> Pyrite <b>Percentage:</b> Trace
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
North Face	Grey green-reddish brown massive mafic volcanics, pervasive moderate-strong hematite alteration., 2% qtz-carb veinlets and trace pyrite.

**Quarry Rock Sampling (to be done at two different stages of quarry development per year)**

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: _____
Sample ID: _____
Description: _____

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



**AGNICO EAGLE**  
HOPE BAY

## Quarry Inspection

Inspection Date: 13-Dec-2025      Blast Date: 10-Dec-25

Geologist: Annette Pardy

Quarry Location: Quarry AF

### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Grey green-reddish brown massive mafic volcanics, pervasive moderate-strong hematite alteration. Local trace epidote alteration.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1% qtz-carb veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> Pyrite <b>Percentage:</b> Trace
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
North Face	Grey green-local reddish brown massive mafic volcanics, local moderate strong hematite alteration, 1% qtz-carb veinlets and trace pyrite.
South Face	Grey green-local reddish brown massive mafic volcanics, local moderate strong hematite alteration, 1% qtz-carb veinlets and trace pyrite.
West Face	Grey green- reddish brown massive mafic volcanics, Pervasive-patchy moderate-strong hematite alteration, 1% qtz-carb veinlets and trace pyrite.

### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: _____
Sample ID: _____
Description:

### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



**AGNICO EAGLE**  
HOPE BAY  
Quarry Inspection

Inspection Date: 20-Jun-25      Blast Date: 2025  
 Geologist: Chris Annan  
 Quarry Location: Quarry 2

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Grey Mafic FG mafic volcanics.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2-3% Qz/Cb Strs
<b>Sulphides</b>	Y	<b>If yes:</b> Tr Py <b>Percentage:</b>
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM (only needed if anomalous):</b>		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Grey Mafic FG mafic volcanics, 2-3% Qz/Cb Strs and Tr Py

**Quarry Rock Sampling (to be done at two different stages of quarry development per year)**

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: C015239
Description: Grey Mafic FG mafic volcanics, 2-3% Qz/Cb Strs and Tr Py
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: C015238
Description: Grey Mafic FG mafic volcanics, 2-3% Qz/Cb Strs and Tr Py

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



**AGNICO EAGLE**  
HOPE BAY  
Quarry Inspection

Inspection Date: 20-Jun-25 Blast Date: 2025  
 Geologist: Chris Annan  
 Quarry Location: Quarry E

**General Visual Inspection**

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Light to med grey, fg-mg mafic volcanics
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate strs
<b>Sulphides</b>	Y	<b>If yes:</b> Tr fine grained disseminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
	Quarry not active at time of visit.

**Quarry Rock Sampling**

<b>Whole Rock Sample:</b>
Sample ID: <u>C015236</u>
<b>Description:</b> Light to med grey and red, fg-mg mafic volcanics. 1-2% quartz/carbonate strs. Tr Fine grained disseminated pyrite.
<b>Screen sample:</b> Same Material as Whole Rock Sample (Between 1-2 kg)
Sample ID: <u>C015237</u>
<b>Description:</b> Light to med grey and red, fg-mg mafic volcanics. 1-2% quartz/carbonate strs. Tr Fine grained disseminated pyrite.

**Contingency - Identification of Inappropriate Quarry Rock**

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location.



## Quarry Inspection

Inspection D 28-May-25 Blast Date: 27-May-25

Geologist: Chris Annan

Quarry Location: Sump 1

### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Grey Fine Grained -Medium Grained Mafic Volcanics
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% Qz/Cb Strs
<b>Sulphides</b>	Y	<b>If yes:</b> Trace Sulphides <b>Percentage:</b>
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
	Grey Fine Grained -Medium Grained Mafic Volcanics, 2% Qz/Cb Strs and Trace Sulphides

### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: C015243
Description: Grey Fine Grained -Medium Grained Mafic Volcanics, 2% Qz/Cb Strs and Trace Sulphides
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: C015242
Description: Grey Fine Grained -Medium Grained Mafic Volcanics, 2% Qz/Cb Strs and Trace Sulphides

### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



## Quarry Inspection

Inspection D 19-Jun-25 Blast Date: 02-Jun-25

Geologist: Chris Annan

Quarry Location: Sump 1

### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics	<b>Description:</b> Grey FG-MG Maf Vol,
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% QZ/Cb Strs
<b>Sulphides</b>	Y	<b>If yes:</b> Tr Sul <b>Percentage:</b>
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

### Inspection at 100m intervals

Rock Characteristics	
Interval:	Description
	Grey FG-MG Maf Vol, 2% QZ/Cb Strs, Tr Sul

### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

<b>Whole Rock Sample (-1cm): Minimum 1 kg</b>
Sample ID: C015241
Description: Grey FG-MG Maf Vol, 2% QZ/Cb Strs, Tr Sul
<b>Screen sample (-2mm): Same Material as Whole Rock Sample (Between 1-2 kg)</b>
Sample ID: C015240
Description: Grey FG-MG Maf Vol, 2% QZ/Cb Strs, Tr Sul

### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



## Underground ARD Inspection Form

Inspection Date: 24-Mar-25      Blast Date: 25-Mar-25  
 Geologist: Chris Annan  
 Quarry Location: Quarry 2

### General Visual Inspection

<b>Rock Type</b>	Mafic Volcanics - Gabbro	<b>Description:</b> Medium to dark green, fine to medium grained gabbro mafic volcanics.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 1-2% quartz/carbonate strs. Mm scale, fracure filling.
<b>Sulphides</b>	Y	<b>If yes:</b> Fine grained disemminated pyrite. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	<b>If yes, describe (min, %, size):</b>
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

Rock Characteristics	
Interval:	Description
	See above represents 1 face

### Quarry Rock Sampling (to be done at two different stages of quarry development per year)

<b>Whole Rock Sample:</b>	
Sample ID:	<u>C015233</u>
<b>Description:</b> Medium to dark green, fine to medium grained gabbro mafic volcanics. 1-2% quartz/carbonate strs. Mm scale, fracure filling. Trace disseminated pyrite.	

### Contingency - Identification of Inappropriate Quarry Rock

In the unlikely event that the visual inspection identifies PAG rock, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste rock storage area for disposal underground. If this is not possible at the time, the PAG rock will be buried in an active or previously mined out quarry. If the PAG material is buried, it will be covered with a min of 2m of rock material that is approved for construction and will be clearly marked as inappropriate for use as construction material.

In the unlikely event that the visual inspection identifies fibrous actinolite, the geologist will 'tag' the material for avoidance or removal. If the material is excavated, it will be transported to a waste storage area for disposal underground. If this is not possible at the time, the material will be buried in one of the previously mined-out quarries and covered with a 1m layer of benign rock and a record of the location maintained.



**AGNICO EAGLE**  
HOPE BAY

**Underground Inspection**

Inspection Date: 2-Oct-25 Blast Date: 1-Oct-25

Geologist: Annette Pardy

Location: Naartok East Ramp

**General Visual Inspection**

<b>Rock Type</b>	Ultramafic Basalt	<b>Description:</b> Fine to medium grained, light green-grey ultramafic basalt. Moderate to strong sericite alteration. Local moderate heamatite
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> ~5% quartz carbonate veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> Fine grained disseminated PY <b>Percentage: 1-5%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
1-5m	Fine to medium grained, light green-grey ultramafic basalt. Moderate to strong sericite alteration. Local moderate heamatite alteration

**Underground Rock Sampling (to be done for every 20,000t of rock mined)**

<b>Whole Rock Sample Minimum 1 kg</b>
Sample ID: <u>CAHBM105039</u>
Description: Fine to medium grained, light green-grey ultramafic basalt. Moderate to strong sericite alteration. Local moderate heamatite alteration ~5 quartz-carbonate veinlets throughout. Local 1-5% fine grained disseminated pyrite. X: 433618.387 Y: 7550739.714 Z: -34



**AGNICO EAGLE**  
HOPE BAY

**Underground Inspection**

Inspection Date: 2-Oct-25 Blast Date: 30-Sep-25

Geologist: Annette Pardy

Location: Naartok West Ramp

**General Visual Inspection**

<b>Rock Type</b>	Mafic Basalt	<b>Description:</b> Fine grained, dark greenish grey mafic volcanics.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> ~5% quartz carbonate veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> Trace fine grained disseminated pyrite <b>Percentage: 0.01%</b>
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
1-5m	Fine grained, dark greenish grey mafic volcanics.~5% quartz carbonate veinlets. Trace fine grained disseminated pyrite.

**Underground Rock Sampling (to be done for every 20,000t of rock mined)**

<b>Whole Rock Sample Minimum 1 kg</b>	
Sample ID:	<u>CAHBM105040</u>
Description: Fine grained, dark greenish grey mafic volcanics.~5% quartz carbonate veinlets. Trace fine grained disseminated pyrite.	
433442.281	X: Y:
7550726.036	Z:
24	



**AGNICO EAGLE**  
HOPE BAY

**Underground Inspection**

Inspection Date: 5-Dec-25 Blast Date: 4-Dec-25

Geologist: Chris Annan

Location: Naartok East Ramp

**General Visual Inspection**

<b>Rock Type</b>	Mafic Basalt	<b>Description:</b> FG, dark green mafic volcanics.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> 2% quartz carbonate veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> TR FG Dis Py. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
1-5m	FG, dark green mafic volcanics. 2% quartz carbonate veinlets. TR FG Dis Py.

**Underground Rock Sampling (to be done for every 20,000t of rock mined)**

<b>Whole Rock Sample Minimum 1 kg</b>
Sample ID: <u>CAHBC108934</u>
Description: <--See table X:433641.091 Y:7550680.385 Z: -44.6



**AGNICO EAGLE**  
HOPE BAY

**Underground Inspection**

Inspection Date: 5-Dec-25 Blast Date: 4-Dec-25

Geologist: Chris Annan

Location: Naartok West Ramp

**General Visual Inspection**

<b>Rock Type</b>	Mafic Basalt	<b>Description:</b> FG, dark grey grey mafic volcanics.
<b>Vein</b>	Y	<b>If yes, describe (min, %, size):</b> ~2-5% quartz carbonate veinlets.
<b>Sulphides</b>	Y	<b>If yes:</b> TR FG Dis Py. <b>Percentage:</b> 0.01%
<b>Fibrous Actinolite</b>	N	If yes, describe (min, %, size):
<b>If anomalous rock types/significant sulphides:</b>	TAGGED:  Y/N	
<b>UTM</b> (only needed if anomalous):		

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
1-5m	FG, dark grey grey mafic volcanics. 2-5% quartz carbonate veinlets. TR FG Dis Py.

**Underground Rock Sampling (to be done for every 20,000t of rock mined)**

<b>Whole Rock Sample Minimum 1 kg</b>	
Sample ID:	<u>CAHBC108991</u>
Description: <--See table	
X: 433363.097	Y:
7550722.006	Z:
36	



**AGNICO EAGLE**  
HOPE BAY

### Underground Inspection

Inspection Date: Aug 8, 2025 Blast Date: Aug 7, 2025 Night Shift

Geologist: Annette Pardey

Underground Mine Location: Aqartok West Decline

**General Visual Inspection**

Rock Type	1a	Mafic Volcanics
Vein	<input checked="" type="radio"/> Y / <input type="radio"/> N	If yes, describe (min, %, size): 1% qtz/cal veinlets
Sulphides	<input checked="" type="radio"/> Y / <input type="radio"/> N	If yes: Disseminated/Vein/Stringer/Other <1% finegrained disseminated Py Percentage: <1%
Fibrous Actinolite	<input type="radio"/> Y / <input checked="" type="radio"/> N	If yes, describe (min, %, size):
If anomalous rock types/significant sulphides:	TAGGED:  Y/N	

**Inspection at 100m intervals**

Rock Characteristics	
Interval:	Description
1-5 m	1a - mafic Volcanics 1% qtz/cal veinlets less than 2% fg. diss. Py - weakly foliated

Underground Rock Sampling (to be done for every 20,000 t of rock mined)

Whole Rock Sample: Minimum 1 kg

Sample ID: CAHBM105028

X = 433552.489

Y = 7550725.895

Z = -13m

~~CAHBM105029~~

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## **Appendix A2   ABA Data**

Portal	Rock Code	Sample ID	Paste pH	Total Sulphur	Sulphate	Sulphide Sulphur (Calculated)	TIC	Modified NP	NP/AP	TIC/AP
			pH Units	%S	%S	%S	kg CaCO3/t	kg CaCO3/t	Unitless	Unitless
Naartok East	1a	C015233	7.9	0.11	0.04	0.07	200	160	46	59
	1a	C015245	9.3	0.76	0.01	0.75	390	320	13	16
	1a	C015246	8.4	0.2	0.01	0.19	250	230	37	39
	1a	CAHBC108934	7.1	0.2	0.01	0.19	130	140	22	21
	1as	C015244	8.8	0.48	0.01	0.47	230	220	14	15
	1as	CAHBM105039	8.3	0.47	0.02	0.45	350	330	22	24
	1u	C015247	7.9	0.35	0.02	0.33	96	110	10	8.8
Naartok West	1a	CAHBC108991	7.4	0.15	0.03	0.12	210	190	41	44
	1a	CAHBM105028	7.8	0.13	0.02	0.11	150	160	40	37
	1a	CAHBM105040	8.2	0.08	0.01	0.07	120	120	49	48

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**Appendix A3    Aqua Regia Metals Data**

Sample ID		Ag	Al	As	Au	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm
	DL		0.01	0.1		20	0.5	0.002	0.01	0.01	0.1	0.5	0.01	0.01	0.1	5	0.01	0.5	0.01	1	0.01
C015233		0.063	4.1	2.3	0.23	<20	2.9	<0.02	6.9	0.07	36	66	100	7.1	12	<5	<0.01	2.2	2.8	1400	0.2
C015245		0.39	1.2	160	1.2	<20	49	0.03	6.7	0.08	49	230	190	7.2	6.2	<5	0.07	4.4	3.4	1400	0.48
C015246		0.088	2.2	0.6	0.0005	<20	20	0.03	8	0.11	73	630	200	6.2	11	<5	0.27	9.7	2.5	1900	0.49
CAHBC108934		0.05	2.9	6.3	0.0017	<20	150	0.03	5	0.06	49	220	210	9.1	15	<5	0.36	11	3.2	1100	0.7
C015244		0.12	2	100	0.14	<20	13	0.03	5	0.07	41	260	140	5	5.1	<5	0.05	3.8	3	1300	0.46
CAHBM105039		0.24	1.4	180	0.75	<20	58	0.04	6.1	0.07	55	230	210	8	5.8	6	0.1	5.6	3.6	1700	0.81
C015247		0.1	2.4	14	0.0015	21	91	0.04	4.5	0.09	87	730	270	6	13	<5	0.5	9.7	2.2	1100	0.73
CAHBC108991		0.04	3.6	1.3	0.0019	<20	4.5	0.02	6.4	0.09	37	270	110	5.9	9.4	<5	0.01	1.4	3.8	1400	0.18
CAHBM105028		0.068	4.3	4.8	0.0023	<20	2.7	<0.02	5.3	0.18	51	320	90	8.6	12	<5	0.01	3.4	3.8	1400	0.16
CAHBM105040		0.007	3.7	3.5	0.0039	<20	12	0.03	3.7	<0.01	36	360	85	6.2	10	<5	0.02	4.7	4.6	1200	0.27

Sample ID		Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
		%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	DL	0.001	0.1	0.001	0.01	0.02	0.02	0.1	0.1	0.5	0.02	0.1	0.001	0.02	0.05	2	0.05	0.1
C015233		0.016	44	0.025	0.69	0.09	0.02	27	0.4	61	0.03	<0.1	0.036	<0.02	<0.1	210	<0.1	72
C015245		0.025	200	0.07	1.7	0.82	0.25	21	0.7	130	0.08	0.3	0.014	<0.02	<0.1	140	0.2	43
C015246		0.1	860	0.059	1.2	0.18	<0.02	4.7	0.3	130	<0.02	0.5	0.44	0.06	0.1	170	<0.1	46
CAHBC108934		0.094	130	0.072	2.3	0.22	0.04	17	0.5	110	<0.02	0.5	0.4	0.09	0.1	280	<0.1	93
C015244		0.022	180	0.042	1.6	0.52	0.21	10	0.6	73	0.04	0.4	0.14	0.05	<0.1	98	0.2	46
CAHBM105039		0.026	240	0.12	2.7	0.5	0.2	16	0.5	110	0.06	0.4	0.004	0.03	<0.1	100	0.2	50
C015247		0.064	900	0.071	2.5	0.37	0.04	5.4	0.8	70	0.03	0.9	0.72	0.16	0.2	180	0.1	52
CAHBC108991		0.017	74	0.02	1.3	0.15	0.02	14	0.6	23	0.03	0.1	0.16	<0.02	<0.1	160	<0.1	71
CAHBM105028		0.027	200	0.039	2.8	0.11	0.04	28	0.4	44	<0.02	0.1	0.05	<0.02	<0.1	220	<0.1	120
CAHBM105040		0.039	81	0.032	0.51	0.06	0.03	17	0.2	19	0.02	0.2	0.061	<0.02	<0.1	160	<0.1	77

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## **Appendix B      Tailings Monitoring**

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# Appendix B1 Seepage Monitoring Data (TL-11)

Seepage Monitoring of Backfilled Stopes

Parameter	Units	01/10/2025			26/11/2025	
		TL11-114-Right	TL11-114-Left	TL11-110	TL11-114	TL11-120
		YL2501092-001	YL2501092-002	YL2501092-004	EO2510840-001	EO2510840-003
Conductivity	uS/cm	5290	6640	14800	8530	11100
Hardness (as CaCO3)	mg/L	714	841	2310	#N/A	#N/A
pH	pH	8.21	8.27	8.12	8.06	8.07
Total Suspended Solids	mg/L	30.2	14.4	27.6	27.9	50.1
Total Dissolved Solids	mg/L	2870	3890	9720		
Acidity (as CaCO3)	mg/L	2	2	6	4.1	3.9
Alkalinity, Total (as CaCO3)	mg/L	182	229	257	190	184
Ammonia, Total (as N)	mg/L	0.0332	0.392	0.633	0.258	0.289
Chloride (Cl)	mg/L	1480	1950	5120	2750	3750
Nitrate (as N)	mg/L	1.94	0.965	7.44	0.789	0.785
Nitrite (as N)	mg/L	0.05	0.05	0.51	0.124	0.18
Sulfate (SO4)	mg/L	255	272	880	348	424
Cyanide, Total	mg/L	0.0414	0.0071	0.0123	0.0127	0.0059
Cyanide, Weak Acid Diss	mg/L	0.005	0.005	0.005	0.005	0.005
Cyanide, Free	mg/L	0.005	0.005	0.005	0.005	0.005
Aluminum (Al)-Dissolved	mg/L	0.009	0.005	0.01	0.01	0.01
Antimony (Sb)-Dissolved	mg/L	0.00105	0.0005	0.001	0.001	0.001
Arsenic (As)-Dissolved	mg/L	0.00458	0.00926	0.00135	0.00383	0.00316
Barium (Ba)-Dissolved	mg/L	0.0275	0.0313	0.0275	0.029	0.031
Beryllium (Be)-Dissolved	mg/L	0.0001	0.0001	0.0002	0.0002	0.0002
Bismuth (Bi)-Dissolved	mg/L	0.00025	0.00025	0.0005	0.0005	0.0005
Boron (B)-Dissolved	mg/L	0.71	1.04	1.74	1.34	1.46
Cadmium (Cd)-Dissolved	mg/L	0.000025	0.000025	0.000192	0.00005	0.00005
Calcium (Ca)-Dissolved	mg/L	103	92.9	294	123	132
Cesium (Cs)-Dissolved	mg/L	0.000097	0.000193	0.000159	0.000147	0.000412
Chromium (Cr)-Dissolved	mg/L	0.0025	0.0025	0.005	0.005	0.005
Cobalt (Co)-Dissolved	mg/L	0.00657	0.00196	0.00842	0.0046	0.00104
Copper (Cu)-Dissolved	mg/L	0.00677	0.00213	0.0132	0.00873	0.002
Iron (Fe)-Dissolved	mg/L	0.052	0.05	0.1	0.1	0.1
Lead (Pb)-Dissolved	mg/L	0.00025	0.00025	0.0005	0.0005	0.0005
Lithium (Li)-Dissolved	mg/L	0.0217	0.0297	0.0565	0.0317	0.0374
Magnesium (Mg)-Dissolved	mg/L	111	148	382	170	208
Manganese (Mn)-Dissolved	mg/L	0.139	0.0699	0.386	0.21	0.351
Molybdenum (Mo)-Dissolved	mg/L	0.00282	0.00494	0.00303	0.00459	0.00641
Nickel (Ni)-Dissolved	mg/L	0.00581	0.0025	0.0221	0.0119	0.005
Phosphorus (P)-Dissolved	mg/L	0.25	0.25	0.5	0.5	0.5
Potassium (K)-Dissolved	mg/L	33.7	42.6	86.8	54.7	69
Rubidium (Rb)-Dissolved	mg/L	0.0157	0.0183	0.0365	0.0216	0.036
Selenium (Se)-Dissolved	mg/L	0.000378	0.00025	0.00193	0.0005	0.0005
Silicon (Si)-Dissolved	mg/L	2.72	3.9	3.21	3.4	3.47
Silver (Ag)-Dissolved	mg/L	0.00005	0.00005	0.000159	0.0001	0.0001
Sodium (Na)-Dissolved	mg/L	811	1060	2530	1480	1950
Strontium (Sr)-Dissolved	mg/L	0.941	1.17	2.98	1.66	1.8
Sulfur (S)-Dissolved	mg/L	104	103	323	131	150
Tellurium (Te)-Dissolved	mg/L	0.001	0.001	0.002	0.002	0.002
Thallium (Tl)-Dissolved	mg/L	0.00005	0.00005	0.0001	0.0001	0.0001
Thorium (Th)-Dissolved	mg/L	0.0005	0.0005	0.001	0.001	0.001
Tin (Sn)-Dissolved	mg/L	0.0005	0.0005	0.001	0.001	0.001
Titanium (Ti)-Dissolved	mg/L	0.0015	0.0015	0.003	0.003	0.003
Tungsten (W)-Dissolved	mg/L	0.0005	0.0005	0.001	0.001	0.001
Uranium (U)-Dissolved	mg/L	0.000743	0.000871	0.000328	0.000444	0.000299
Vanadium (V)-Dissolved	mg/L	0.0025	0.0025	0.005	0.005	0.005
Zinc (Zn)-Dissolved	mg/L	0.0106	0.0097	0.0281	0.0102	0.01
Zirconium (Zr)-Dissolved	mg/L	0.001	0.001	0.002	0.003	0.003

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**Appendix C      Construction and Waste Rock Water Quality  
Monitoring**

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## **Appendix C1    Field Observations, Freshet Seepage Monitoring**

Appendix C1: Seepage Field Data

Sampling Point	Area	Sampled Date	Sampled Time	Dissolved	Total	Snow Cover	Weather	Coordinates (UTM Zone 13W)	
						%			
REFSEEP01	Reference	13-Jul-25	12:00	Yes	No	0	Windy, overcast	432877	7547983
REFSEEP02	Reference	13-Jul-25	14:30	Yes	No	0	Partly sunny, windy	432078	7556105
REFSEEP03	Reference	13-Jul-25	15:00	Yes	No	0	Windy, partly cloudy/sunny	432121	7557607
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	Yes	No	0	Overcast	433160	7559225
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	Yes	No	0	Sunny, windy	433147	7558975
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	Yes	No	15	50% cloud cover	432767	7560807
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	Yes	Yes	-	-	433181	7549940
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	Yes	Yes	-	-	433181	7549940
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	Yes	Yes	-	-	433181	7549940
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	Yes	Yes	-	-	433190	7549837
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	Yes	Yes	-	-	433190	7549837
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	Yes	Yes	-	-	433190	7549837
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	Yes	Yes	-	-	432935	7550015
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	Yes	Yes	-	-	432935	7550015
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	Yes	Yes	-	-	432935	7550015
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	Yes	Yes	-	-	433110	7550107
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	Yes	Yes	-	-	433110	7550107
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	Yes	No	0	Overcast	433153	7550677
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	Yes	No	1	Overcast	433351	7550190
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	Yes	No	1	Overcast	433351	7550190
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	Yes	No	10	70% cloud cover	433224	7552753
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	Yes	No	10	Sunny	433571	7552740
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	Yes	No	<10	Sunny	434396	7549093
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	Yes	No	0	Overcast, light rain	433441	7550182
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	Yes	No	10	Overcast, light rain	433985	7549853
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	Yes	No	0	Sunny, windy	434053	7549685
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	Yes	No	0	Raining, foggy	432639	7550502
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	Yes	No	0	Overcast	432695	7550444

Appendix C1: Seepage Field Data

Sampling Point	Area	Sampled Date	Sampled Time	Description of Location
REFSEEP01	Reference	13-Jul-25	12:00	Approx 200m, 15 m bedrock. Flow is not evident and not measureable
REFSEEP02	Reference	13-Jul-25	14:30	Oil staining in areas; no flow
REFSEEP03	Reference	13-Jul-25	15:00	Rockhil 45m east of seep
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	~100 m west from Doris portal; Located at base of road to access overburden pile north of the mill
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	Sample taken from pollution collection pond behind water treatment plant; ponded water
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	On road access to south apron; seep occuring to the east of the road.
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	-
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	-
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	-
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	-
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	-
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	-
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	-
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	-
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	-
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	-
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	-
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	~500 m upgradient from Patch Lake; water/seep emanating from OVB at Madrid adjacent to Overburden Stockpile; Shallow Flow - soil incised
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	Old Madrid Portal Pad
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	Old Madrid Portal Pad
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	On south side of new TIA Road, approx 10 m east of double culverts
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	50 m to lake; Big cliff SW of sample stream; water sampled right by gravel road, south side of road; area of cliffs, surrounding gravel road
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	Water seeping from south base of rock outcrop on east side of Rig 14 pad; flowing east into Patch Lake
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	Flow enters patch lake ~600 m downstream; raining at time of sample
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	Drains to Patch Lake ~150m; Flow diffuse through tundra; Flow perceptible
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	Located ~75m south from BLIND CORNER NORTH sign on east side of Exploration Track
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	~10 m SW on west side of pullout; ~20 m south of the Windy pumphouse
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	~70 m from Windy Lake

Appendix C1: Seepage Field Data

Sampling Point	Area	Sampled Date	Sampled Time	Lab sample collected	Photos Taken	Water Colour	Filtrate colour	Sediment colour	Number of filters used	Field pH	Field Conductivity	ORP	Salt	Water Temperature
											<i>µS/cm</i>	<i>RmV</i>	<i>ppt</i>	<i>°C</i>
REFSEEP01	Reference	13-Jul-25	12:00	Yes	Yes	Light Yellow	Clear	Yellow/Ambe	3	7.07	53.73	221.7	0.02	9.3
REFSEEP02	Reference	13-Jul-25	14:30	Yes	Yes	Clear	Clear	N/A	-	6.78	743.53	245	0.36	9.94
REFSEEP03	Reference	13-Jul-25	15:00	Yes	Yes	Yellowish	Clear	Yellow/Brown	3	6.82	1838.1	66.5	0.99	11.14
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	Yes	Yes	Clear	N/A	N/A	3	8.78	291	171	0.1	6.1
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	Yes	Yes	Clear	Clear	N/A	4	8.1	1195	214	0.6	5.6
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	Yes	Yes	Clear	N/A	N/A	2	7.89	243	14.8	0.1	5.4
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	Yes	-	-	-	-	-	8.05	433	164	0.2	6.1
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	Yes	-	-	-	-	-	7.9	5383.1	231.6	2.93	15.88
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	Yes	-	-	-	-	-	7.53	10405	198.5	5.93	16.76
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	Yes	-	-	-	-	-	7.72	260	165	0.1	5.7
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	Yes	-	-	-	-	-	8.5	444.62	197.4	0.22	15.39
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	Yes	-	-	-	-	-	8.46	651.19	156.6	0.32	18.16
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	Yes	-	-	-	-	-	7.5	509	240	0.2	1.3
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	Yes	-	-	-	-	-	7.48	2461.6	237.1	1.27	12.88
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	Yes	-	-	-	-	-	7.34	3807.5	176.4	2.01	10.69
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	Yes	-	-	-	-	-	7.96	369	197	0.2	2
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	Yes	-	-	-	-	-	7.31	3668.1	230	1.93	10.47
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	Yes	Yes	Clear	Clear	Off white	3	8	1067	158.9	0.71	12.13
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	Yes	Yes	Clear	Clear	N/A	6	7.659	980.7	47.4	0.5	8
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	Yes	Yes	Clear	Clear	N/A	6	7.659	980.7	47.4	0.5	8
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	Yes	Yes	Off white	N/A	N/A	2	7.37	81.3	154	0	6.6
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	Yes	Yes	A little brown	Clear	N/A	2	7.69	184.1	213	0	10
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	Yes	Yes	Clear	N/A	N/A	2	7.37	2820	227	1.5	12.3
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	Yes	Yes	Clear	Clear	N/A	3	8.37	124.5	159	0	8.4
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	Yes	Yes	Clear	Clear	N/A	4	8.21	204	160	0.1	4.3
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	Yes	Yes	Clear	N/A	N/A	4	7.91	103.3	167	0	6.4
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	Yes	Yes	Clear	Clear	N/A	3	7.1	400.2	128	0.3	6
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	Yes	Yes	Clear	Clear	Off white	3	7.75	857.1	65.6	0.42	5.7

Appendix C1: Seepage Field Data

Sampling Point	Area	Sampled Date	Sampled Time	Air Temperature	Turbidity	Precipitates/ Stains	Max Channel Depth	Odours	Capture %	Flow Meter Velocity	Flow Measurement Notes	Flow (L/s)
				oC	NTU		cm		%	m/s		
REFSEEP01	Reference	13-Jul-25	12:00	8	-	Yes	5	-	-	-	Miniscule flow, not measureable	-
REFSEEP02	Reference	13-Jul-25	14:30	8	-	Yes	15	None	-	-	No flow observed	-
REFSEEP03	Reference	13-Jul-25	15:00	8	-	Yes	5	-	-	-	No flow observed	-
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	7	-	None	2	None	70	-	No flow measured but flow perceptible	Not measured
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	-	-	-	2	None	70	-	No flow measured but flow perceptible	Not measured
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	-	172	None	11	None	70	0.03	Velocity with flow meter	0.399
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	-	-	-	-	-	-	-	-	-
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	-	-	-	-	-	-	-	-	-
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	-	-	-	-	-	-	-	-	-
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	-	-	-	-	-	-	-	-	-
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	-	-	-	-	-	-	-	-	-
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	-	-	-	-	-	-	-	-	-
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	-	-	-	-	-	-	-	-	-
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	-	-	-	-	-	-	-	-	-
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	-	-	-	-	-	-	-	-	-
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	-	-	-	-	-	-	-	-	-
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	-	-	-	-	-	-	-	-	-
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	9	-	None	3	None	100	-	No flow measured but flow perceptible	Not measurable
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	9	-	Yes	5	None	80	0.031	Velocity with flow meter	0.097
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	9	-	Yes	5	None	80	0.031	Velocity with flow meter	0.097
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	5	-	None	14	None	80	0.039	Velocity with flow meter	0.961
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	8	-	None	6	None	5	-	No flow measured but flow perceptible	Not measured
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	8	-	None	3	None	100	-	No flow measured but flow perceptible	Not measured
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	6	-	None	15	None	40	0.017	Velocity with flow meter	0.24
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	6	-	None	10	None	100	-	No flow measured but flow perceptible	Not measured
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	8	-	None	10	None	45	0.074	Velocity with flow meter	0.523
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	9	-	None	10	None	10	0.045	Velocity with flow meter	0.071
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	9	-	Yes	15	None	30	0.205	Velocity with flow meter	2.174

Appendix C1: Seepage Field Data

Sampling Point	Area	Sampled Date	Sampled Time	Duplicate	Field Blank
REFSEEP01	Reference	13-Jul-25	12:00	No	No
REFSEEP02	Reference	13-Jul-25	14:30	No	No
REFSEEP03	Reference	13-Jul-25	15:00	No	No
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	No	No
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	No	No
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	No	No
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	No	No
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	No	No
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	No	No
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	No	No
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	No	No
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	No	No
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	No	No
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	No	No
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	No	No
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	No	No
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	No	No
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	No	No
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	25-MAD-07 DUP	No
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	25-MAD-07	No
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	No	No
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	No	No
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	No	No
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	No	No
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	No	No
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	No	No
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	No	No
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	No	No

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**Appendix C2    Lab Data, Freshet Seepage Monitoring**

Physical Tests (Water)

Sampling Point	Area	Sampled Date	Sampled Time	EC	Hardness (as CaCO <sub>3</sub> )	pH	TSS	TDS
				$\mu S/cm$	mg/L	s.u.	mg/L	mg/L
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	224	84.6	7.95	3	151
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	77.6	32.5	7.45	3	75
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	158	53.9	7.78	10	109
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	425	96.5	8.18	31.2	138
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	1080	359	8.03	39	764
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	2690	1040	7.77	3	1730
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	96.5	36.8	7.48	3	72
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	159	59.9	7.83	3	87
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	79.6	27.4	7.36	3	54
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	439	128	8.09	3	285
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	1700	340	8.34	42.7	1010
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	900	258	8.08	3	608
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	898	258	7.97	3	607
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	833	209	8.02	3	551
MMS1-N	Madrid WRSA - CWP	7-Jul-25	16:30	408	124	7.83	5.1	-
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	5170	1610	7.96	3	-
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	9590	3700	7.88	37.6	-
MMS1-S	Madrid WRSA - CWP	7-Jul-25	16:20	239	81	7.75	3	-
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	447	128	8.17	3	-
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	3300	1160	7.89	6.4	-
MMS1-S1	Madrid WRSA - Sump 1	7-Jul-25	16:30	447	168	7.71	3	-
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	2470	815	7.67	3	-
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	609	183	8.38	3.6	-
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	310	82.7	7.91	3	-
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	3300	932	7.93	12.8	-
REFSEEP01	Reference	13-Jul-25	12:00	49.5	16.5	7.15	3	51
REFSEEP02	Reference	13-Jul-25	14:30	619	135	7.58	3	363
REFSEEP03	Reference	13-Jul-25	15:00	1050	174	8.04	3	528

Anions and Nutrients (Water)

Sampling Point	Area	Sampled Date	Sampled Time	Acidity (as CaCO3)	Alkalinity, Total (as CaCO3)	Ammonia (as N)	Br	Cl	F	Nitrate (as N)	Nitrite (as N)	Total P	SO4	Cyanide, Total
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	2	75.9	0.005	0.05	23.7	0.046	0.017	0.001	0.0059	6.23	0.005
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	2.4	28.8	0.018	0.05	6.5	0.052	0.005	0.001	0.0097	0.96	0.005
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	2	49.4	0.0172	0.05	18.9	0.047	0.0229	0.0011	0.0218	3.4	0.005
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	10	51.9	0.834	0.05	24.9	0.029	0.333	0.0051	0.0078	32.7	0.005
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	2	91.5	0.0246	0.53	186	0.1	5.31	0.0075	0.0213	190	0.398
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	8.9	127	1.62	1.00	795	0.4	0.1	0.02	0.102	14.5	-
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	2.2	36.4	0.0195	0.05	7.98	0.055	0.005	0.001	0.0045	1.26	-
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	2.3	66.1	0.0529	0.05	8.95	0.02	0.311	0.005	0.0105	3.26	-
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	2.7	28.7	0.0262	0.05	6.82	0.031	0.0078	0.0018	0.0119	1.63	-
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	2	98.2	0.017	0.18	70.1	0.047	0.0175	0.0035	0.0053	16.8	-
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	2	198	0.0189	1.10	362	0.206	0.0183	0.0033	0.051	150	-
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	2.6	117	0.018	1.03	184	0.044	0.167	0.0039	0.009	52.5	-
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	2.4	115	0.0231	1.05	185	0.051	0.166	0.001	0.0073	52.7	-
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	2	84.9	0.0244	1.07	192	0.05	0.173	0.0012	0.0051	30.9	-
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	-	61.8	0.0284	0.28	59.5	0.083	0.367	0.0054	-	47.6	-
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	-	110	0.121	12.50	1560	0.4	6.93	0.0473	-	128	0.005
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	-	96.3	0.025	32.20	3420	0.2	14.4	0.0223	-	303	0.005
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	-	49.6	0.021	0.13	27.8	0.037	0.32	0.0049	-	28.4	0.005
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	-	86.2	0.0099	0.16	47.4	0.061	0.317	0.0035	-	53.8	0.005
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	-	114	0.11	6.23	893	0.1	8.33	0.0456	-	277	0.005
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	-	63.1	0.0661	0.51	89.5	0.045	0.534	0.003	-	19.2	0.005
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	-	90.9	0.0254	4.13	645	0.4	3.13	0.02	-	86.2	0.005
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	-	110	0.018	0.23	72.9	0.073	0.256	0.003	-	92.4	0.005
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	-	110	0.0314	0.10	22.4	0.103	0.586	0.0018	-	20.7	0.005
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	-	138	1.83	3.58	860	0.157	19.2	0.193	-	243	0.005
REFSEEP01	Reference	13-Jul-25	12:00	7.6	17.1	0.0277	0.05	4.48	0.047	0.005	0.001	0.0105	0.3	0.005
REFSEEP02	Reference	13-Jul-25	14:30	5.1	53.6	0.0265	0.62	153	0.029	0.0223	0.001	0.0137	15.3	0.005
REFSEEP03	Reference	13-Jul-25	15:00	10.3	154	0.0143	0.99	245	0.041	0.0073	0.001	0.0093	11.5	0.005

Dissolved Metals (Water)

Sampling Point	Area	Sampled Date	Sampled Time	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cs	Cr	Co	Cu	Fe
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	0.013	0.0001	0.00014	0.00424	0.0001	0.00005	0.012	0.000005	25.8	0.00001	0.0005	0.0001	0.00522	0.043
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	0.0812	0.0001	0.00023	0.00329	0.0001	0.00005	0.01	0.0000269	8.58	0.00001	0.00053	0.00013	0.00176	0.171
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	0.049	0.0001	0.00028	0.00441	0.0001	0.00005	0.01	0.000005	14.5	0.00001	0.00057	0.00017	0.00127	0.267
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	0.0278	0.00014	0.00026	0.001	0.0001	0.00005	0.041	0.0000051	28.2	0.000088	0.0005	0.00012	0.00034	0.01
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	0.0086	0.00037	0.00231	0.0133	0.0001	0.00005	0.168	0.0000134	108	0.00001	0.0005	0.00336	0.00367	0.177
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	0.0216	0.0002	0.00114	0.0809	0.0001	0.0001	0.065	0.000219	369	0.00002	0.001	0.00086	0.0071	0.02
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	0.0354	0.0001	0.00015	0.0034	0.0001	0.00005	0.01	0.000005	9.69	0.00001	0.0005	0.0001	0.00132	0.1
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	0.01	0.0001	0.00064	0.00598	0.0001	0.00005	0.017	0.000005	17.6	0.00001	0.0005	0.00024	0.0024	0.083
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	0.028	0.0001	0.0002	0.00298	0.0001	0.00005	0.01	0.000005	7.9	0.00001	0.0005	0.0001	0.00109	0.04
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	0.0139	0.00015	0.00049	0.00651	0.0001	0.00005	0.013	0.0000056	35.4	0.00001	0.0005	0.0001	0.00485	0.058
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	0.0125	0.00012	0.0007	0.0197	0.0001	0.00005	0.194	0.0000067	70.7	0.00001	0.0005	0.0001	0.00543	0.01
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	0.0043	0.0001	0.00042	0.0213	0.0001	0.00005	0.03	0.000005	78	0.00001	0.0005	0.00027	0.00163	0.198
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	0.0042	0.0001	0.00039	0.0214	0.0001	0.00005	0.029	0.000005	78.5	0.00001	0.0005	0.00026	0.00162	0.189
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	0.0066	0.0001	0.0003	0.0168	0.0001	0.00005	0.036	0.0000062	56.9	0.00001	0.0005	0.00017	0.00172	0.16
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	0.016	0.00093	0.0936	0.006	0.0001	0.00005	0.068	0.000005	27.8	0.00001	0.0005	0.00041	0.00209	0.01
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	0.0057	0.00093	0.0201	0.0945	0.0001	0.0001	0.302	0.000117	490	0.000026	0.001	0.00294	0.00358	0.02
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	0.01	0.00134	0.0172	0.201	0.001	0.0005	0.482	0.000316	1180	0.0001	0.005	0.00761	0.00403	0.1
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	0.031	0.00032	0.0353	0.00484	0.0001	0.00005	0.045	0.0000057	21.6	0.00001	0.0005	0.00024	0.00209	0.02
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	0.0411	0.00039	0.0229	0.0079	0.0001	0.00005	0.088	0.0000082	36.4	0.00001	0.0005	0.00012	0.0041	0.01
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	0.0057	0.0024	0.0422	0.0599	0.0002	0.0001	0.395	0.000205	350	0.000023	0.001	0.00231	0.004	0.054
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	0.0044	0.0004	0.014	0.00811	0.0001	0.00005	0.056	0.0000132	54	0.00001	0.0005	0.00019	0.00199	0.037
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	0.006	0.00079	0.0111	0.0487	0.0001	0.00005	0.207	0.0000568	268	0.000015	0.0005	0.00099	0.00421	0.013
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	0.0407	0.00044	0.0189	0.0117	0.0001	0.00005	0.127	0.000008	50.8	0.000011	0.0005	0.00016	0.00609	0.016
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	0.0096	0.00301	0.351	0.00421	0.0001	0.00005	0.121	0.0000063	17.5	0.00001	0.00136	0.00086	0.00277	0.015
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	0.0042	0.00322	0.147	0.0556	0.0002	0.0001	0.473	0.0000333	254	0.000078	0.001	0.00195	0.00506	0.021
REFSEEP01	Reference	13-Jul-25	12:00	0.0732	0.0001	0.00017	0.00253	0.0001	0.00005	0.01	0.000005	3.03	0.00001	0.0005	0.00024	0.00101	0.858
REFSEEP02	Reference	13-Jul-25	14:30	0.0405	0.0001	0.00051	0.0151	0.0001	0.00005	0.01	0.0000066	29.7	0.00001	0.00055	0.00075	0.00108	0.459
REFSEEP03	Reference	13-Jul-25	15:00	0.0078	0.0001	0.00018	0.0171	0.0001	0.00005	0.019	0.000005	34.9	0.00001	0.0005	0.00056	0.00068	3.55

Dissolved Metals (Water)

Sampling Point	Area	Sampled Date	Sampled Time	Pb	Li	Mg	Mn	Hg	Mo	Ni	P	K	Rb	Se	Si	Ag
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	0.00005	0.0013	4.91	0.00204	0.000005	0.000159	0.00159	0.05	1.13	0.00064	0.000051	2.62	0.00001
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	0.000055	0.0017	2.7	0.0211	0.000005	0.000225	0.00255	0.05	0.692	0.00064	0.00005	1.07	0.00001
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	0.000081	0.0021	4.3	0.015	0.000005	0.000166	0.00201	0.05	0.899	0.00072	0.00005	1.42	0.00001
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	0.00005	0.0016	6.34	0.0594	0.000005	0.000961	0.0005	0.05	1.59	0.00198	0.000244	0.492	0.00001
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	0.00005	0.0118	21.6	0.0982	0.000005	0.00347	0.00106	0.05	9.41	0.00025	0.0013	2	0.00001
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	0.0001	0.0103	30.1	0.276	0.000006	0.000787	0.002	0.1	13.1	0.00596	0.000117	2.24	0.00002
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	0.00005	0.0024	3.07	0.00399	0.000005	0.000175	0.002	0.05	0.568	0.00069	0.00005	1.49	0.00001
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	0.00005	0.001	3.87	0.053	0.000005	0.00025	0.0006	0.05	1.02	0.00079	0.000056	1.14	0.00001
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	0.00005	0.0012	1.87	0.0272	0.000005	0.000084	0.00136	0.05	0.709	0.00054	0.00005	1.51	0.00001
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	0.00005	0.004	9.74	0.00678	0.000005	0.000168	0.00168	0.05	1.19	0.00065	0.000063	3.78	0.00001
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	0.00005	0.0102	39.8	0.00992	0.000005	0.00437	0.00217	0.05	12.4	0.0022	0.000182	2.18	0.00001
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	0.00005	0.0026	15.5	0.0377	0.000005	0.000633	0.00237	0.05	2.98	0.00101	0.000123	1.1	0.00001
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	0.00005	0.0028	15	0.0344	0.000005	0.000636	0.00228	0.05	2.85	0.00103	0.000136	1.1	0.00001
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	0.00005	0.006	16.3	0.0152	0.000005	0.000518	0.00267	0.05	3.12	0.00119	0.00007	0.989	0.00001
MMS1-N	Madrid WRSA - CWP	7-Jul-25	16:30	0.00005	0.0031	8.9	0.0442	0.000005	0.00207	0.00976	0.05	4.22	0.00094	0.000614	0.87	0.00001
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	0.0001	0.0841	93.6	0.451	0.000005	0.00349	0.0492	0.1	26.5	0.0059	0.00235	0.849	0.00002
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	0.0005	0.264	183	1.49	0.000005	0.00536	0.0995	0.5	47.9	0.0103	0.00551	1.63	0.0001
MMS1-S	Madrid WRSA - CWP	7-Jul-25	16:20	0.00005	0.0018	5.1	0.0184	0.000005	0.0011	0.00283	0.05	2.54	0.00083	0.000297	0.596	0.00001
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	0.00005	0.0021	9.03	0.00629	0.000005	0.00169	0.00196	0.05	4.04	0.00168	0.000488	0.34	0.00001
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	0.0001	0.0299	69.5	0.557	0.000005	0.00797	0.0084	0.1	17.8	0.00457	0.00783	1.58	0.00002
MMS1-S1	Madrid WRSA - Sump 1	7-Jul-25	16:30	0.00005	0.0041	7.85	0.0216	0.000005	0.00132	0.00241	0.064	2.95	0.00087	0.000343	0.824	0.000027
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	0.00005	0.0306	35.4	0.135	0.000005	0.00223	0.0189	0.05	11.3	0.00334	0.00216	1.55	0.00001
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	0.00005	0.0029	13.6	0.00639	0.000005	0.0019	0.0024	0.05	5.62	0.0025	0.000763	0.188	0.00001
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	0.00005	0.0053	6.64	0.0517	0.000005	0.00255	0.0199	0.05	4.19	0.00107	0.000709	1.43	0.00001
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	0.0001	0.0461	72.4	0.14	0.000005	0.00637	0.0741	0.1	26.1	0.0103	0.00287	2.81	0.00002
REFSEEP01	Reference	13-Jul-25	12:00	0.00005	0.0018	2.18	0.021	0.000005	0.000055	0.00178	0.05	0.1	0.0002	0.00005	1.03	0.00001
REFSEEP02	Reference	13-Jul-25	14:30	0.00005	0.0024	14.8	0.048	0.000005	0.000071	0.00236	0.05	0.528	0.00062	0.00005	3.14	0.00001
REFSEEP03	Reference	13-Jul-25	15:00	0.00005	0.001	21	0.33	0.000005	0.000052	0.00068	0.05	2.84	0.00123	0.00005	2.16	0.00001

Dissolved Metals (Water)

Sampling Point	Area	Sampled Date	Sampled Time	Na	Sr	S	Te	Ti	Th	Sn	Ti	W	U	V	Zn	Zr
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	11.3	0.049	2.32	0.0002	0.00001	0.0001	0.00037	0.0003	0.0001	0.000022	0.0005	0.0096	0.0002
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	5.22	0.023	0.66	0.0002	0.00001	0.0001	0.0001	0.0006	0.0001	0.00002	0.0005	0.0128	0.00038
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	10.7	0.0308	1.2	0.0002	0.00001	0.0001	0.0001	0.00062	0.0001	0.000014	0.0005	0.0017	0.0002
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	11.7	0.0583	12.6	0.0002	0.00001	0.0001	0.0001	0.0003	0.00058	0.00001	0.0005	0.001	0.0002
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	71.4	0.408	67.6	0.0002	0.00001	0.0001	0.0001	0.0003	0.00045	0.000642	0.00083	0.001	0.0002
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	86.8	0.745	7.71	0.0004	0.00002	0.0002	0.0002	0.0006	0.0004	0.000142	0.001	0.01	0.0004
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	5.2	0.0135	0.56	0.0002	0.00001	0.0001	0.0001	0.00038	0.0001	0.000016	0.0005	0.0108	0.00031
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	7.97	0.0224	1.2	0.0002	0.00001	0.0001	0.0001	0.0003	0.0001	0.000017	0.0005	0.001	0.0002
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	5.6	0.011	0.75	0.0002	0.00001	0.0001	0.0001	0.00035	0.0001	0.00001	0.0005	0.002	0.00021
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	28.3	0.0895	5.91	0.0002	0.00001	0.0001	0.0001	0.0003	0.0001	0.000052	0.0005	0.0013	0.00029
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	196	0.332	55.1	0.0002	0.00001	0.0001	0.0001	0.00039	0.0001	0.00394	0.00124	0.001	0.00042
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	58.8	0.104	19.2	0.0002	0.00001	0.0001	0.0001	0.0003	0.0001	0.00035	0.0005	0.001	0.0002
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	56.5	0.107	18.6	0.0002	0.00001	0.0001	0.0001	0.0003	0.0001	0.000361	0.0005	0.001	0.0002
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	67	0.223	11.3	0.0002	0.00001	0.0001	0.0001	0.0003	0.0001	0.000117	0.0005	0.001	0.0002
MMS1-N	Madrid WRSA - CWP	7-Jul-25	16:30	34.2	0.102	16.8	0.0002	0.00001	0.0001	0.0001	0.0003	0.001	0.000528	0.00058	0.0017	0.0002
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	339	4.98	48.4	0.0004	0.00002	0.0002	0.0002	0.0006	0.0002	0.00176	0.001	0.002	0.0004
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	641	13.2	110	0.002	0.0001	0.001	0.001	0.003	0.001	0.00378	0.005	0.0141	0.002
MMS1-S	Madrid WRSA - CWP	7-Jul-25	16:20	17.4	0.0451	9.51	0.0002	0.00001	0.0001	0.0001	0.00063	0.00098	0.000269	0.0005	0.0034	0.0002
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	35.1	0.0681	18.6	0.0002	0.00001	0.0001	0.0001	0.0003	0.00087	0.000488	0.00055	0.0013	0.0002
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	212	2.49	98	0.0004	0.00002	0.0002	0.0002	0.0006	0.0002	0.00187	0.001	0.12	0.0004
MMS1-S1	Madrid WRSA - Sump 1	7-Jul-25	16:30	21.3	0.251	6.99	0.0002	0.00001	0.0001	0.0001	0.0003	0.00022	0.000147	0.0005	1.69	0.0002
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	102	2.03	33.4	0.0002	0.00001	0.0001	0.0001	0.0003	0.0001	0.00042	0.0005	0.836	0.0002
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	56.3	0.0855	33.8	0.0002	0.00001	0.0001	0.0001	0.0003	0.00068	0.000693	0.00073	0.0026	0.0002
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	42.6	0.0531	8.2	0.0002	0.00001	0.0001	0.0001	0.0003	0.00036	0.000435	0.00248	3.94	0.0002
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	264	1.93	84.2	0.0004	0.00002	0.0002	0.0002	0.0006	0.00047	0.00185	0.00218	6.54	0.0004
REFSEEP01	Reference	13-Jul-25	12:00	4.27	0.0112	0.5	0.0002	0.00001	0.0001	0.0001	0.00083	0.0001	0.00001	0.0005	0.0023	0.00028
REFSEEP02	Reference	13-Jul-25	14:30	67.9	0.0877	5.97	0.0002	0.00001	0.00011	0.0001	0.00104	0.0001	0.00002	0.00052	0.0026	0.00032
REFSEEP03	Reference	13-Jul-25	15:00	148	0.1	4.52	0.0002	0.00001	0.0001	0.0001	0.0003	0.0001	0.000091	0.0005	0.001	0.0002

Total Metals (Water)

Sampling Point	Area	Sampled Date	Sampled Time	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cs	Cr	Co	Cu	Fe
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	0.896	0.00115	0.107	0.0112	0.0001	0.00005	0.083	0.0000124	32.3	0.000046	0.00422	0.00166	0.00424	1.09
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	0.135	0.00102	0.0217	0.0914	0.0001	0.0001	0.278	0.000116	523	0.000032	0.001	0.00297	0.00424	0.242
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	0.03	0.00134	0.0178	0.203	0.001	0.0005	0.485	0.000382	1270	0.0001	0.005	0.00818	0.005	0.1
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	0.549	0.00039	0.0416	0.00766	0.0001	0.00005	0.049	0.0000115	22.8	0.000026	0.00248	0.00099	0.00382	0.791
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	0.174	0.00043	0.0244	0.00842	0.0001	0.00005	0.081	0.0000096	35.9	0.000011	0.0005	0.00022	0.00434	0.16
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	0.104	0.00248	0.0467	0.0592	0.0002	0.0001	0.43	0.000207	369	0.000024	0.001	0.00256	0.00508	0.234
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	0.156	0.00044	0.0162	0.0088	0.0001	0.00005	0.06	0.0000135	53.7	0.000011	0.00057	0.00036	0.00279	0.232
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	0.131	0.00088	0.0131	0.0488	0.0001	0.00005	0.18	0.0000641	297	0.000021	0.0005	0.00091	0.00435	0.247
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	0.129	0.00043	0.0196	0.0119	0.0001	0.00005	0.136	0.0000058	50	0.000013	0.00058	0.00023	0.00627	0.141
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	2.02	0.00339	0.403	0.0108	0.0001	0.00005	0.122	0.0000099	18.4	0.000114	0.00743	0.00387	0.00826	2.73
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	0.0833	0.00358	0.178	0.055	0.0002	0.0001	0.492	0.0000305	286	0.000099	0.001	0.00228	0.00592	0.188
REFSEEP01	Reference	13-Jul-25	12:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REFSEEP02	Reference	13-Jul-25	14:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REFSEEP03	Reference	13-Jul-25	15:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Total Metals (Water)

Sampling Point	Area	Sampled Date	Sampled Time	Pb	Li	Mg	Mn	Hg	Mo	Ni	P	K	Rb	Se	Si	Ag
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	-	-	-	-	-	-	-	-	-	-	-	-	-
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	0.000479	0.0043	10.6	0.062	0.000005	0.00236	0.0165	0.05	4.17	0.00181	0.000663	2.46	0.000023
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	0.0001	0.0893	98.5	0.433	0.000005	0.00379	0.0507	0.1	26.2	0.00598	0.00199	1.05	0.000021
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	0.0005	0.266	197	1.58	0.000005	0.0053	0.105	0.5	53.8	0.0107	0.00558	1.82	0.0001
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	0.000302	0.0023	5.84	0.0343	0.000005	0.00117	0.00675	0.05	2.31	0.0013	0.000398	1.49	0.00002
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	0.000052	0.0023	9.28	0.00819	0.000005	0.00178	0.00224	0.05	3.75	0.00178	0.000463	0.58	0.00001
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	0.0001	0.0284	74.6	0.612	0.000005	0.00857	0.00909	0.1	20	0.00492	0.00833	1.84	0.00002
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	0.000112	0.0037	8.23	0.0234	0.000005	0.00138	0.00298	0.05	2.34	0.00089	0.000419	1.14	0.00001
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	0.000113	0.0316	37.4	0.0823	0.000005	0.00237	0.0241	0.05	10.8	0.00341	0.00188	1.56	0.00001
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	0.00005	0.0027	14.3	0.00868	0.000005	0.00207	0.00269	0.05	5.7	0.00262	0.000743	0.4	0.000012
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	0.00128	0.0076	8.93	0.0805	0.000005	0.00249	0.0358	0.073	4.01	0.00238	0.00072	5.15	0.000014
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	0.0001	0.0496	81.1	0.158	0.000005	0.00781	0.0907	0.1	30.4	0.0127	0.00303	3.28	0.00002
REFSEEP01	Reference	13-Jul-25	12:00	-	-	-	-	-	-	-	-	-	-	-	-	-
REFSEEP02	Reference	13-Jul-25	14:30	-	-	-	-	-	-	-	-	-	-	-	-	-
REFSEEP03	Reference	13-Jul-25	15:00	-	-	-	-	-	-	-	-	-	-	-	-	-

Total Metals (Water)

Sampling Point	Area	Sampled Date	Sampled Time	Na	Sr	S	Te	Tl	Th	Sn	Ti	W	U	V	Zn	Zr
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
25-DC-01	Doris Infrastructure - Airstrip	5-Jun-25	15:25	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-02	Madrid Infrastructure - Madrid to TIA Road	5-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-03	Madrid Infrastructure - Madrid to TIA Road	8-Jun-25	15:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-04	Doris - Waste Rock Influenced Area	10-Jun-25	14:20	-	-	-	-	-	-	-	-	-	-	-	-	-
25-DC-05	Doris - Waste Rock Influenced Area	11-Jun-25	15:00	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-01	Madrid Infrastructure - Exploration Track	8-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-02	Madrid Infrastructure - Exploration Track	10-Jun-25	16:10	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-03	Madrid Infrastructure - Exploration Track	10-Jun-25	16:40	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-04	Madrid Infrastructure - Exploration Track	11-Jun-25	16:00	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-05	Madrid Infrastructure - Windy Camp Road	16-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-06	Madrid Infrastructure - Overburden Stockpile	17-Jun-25	15:35	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-07	Madrid Infrastructure - Portal Pad	17-Jun-25	16:15	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-07 DUP	Madrid Infrastructure - Portal Pad	17-Jun-25	16:30	-	-	-	-	-	-	-	-	-	-	-	-	-
25-MAD-08	Madrid Infrastructure - Windy Camp Road	17-Jun-25	16:45	-	-	-	-	-	-	-	-	-	-	-	-	-
MMS1-N	Madrid WRSA - CWP	7-Jun-25	16:30	36.5	0.116	16.8	0.0002	0.00001	0.00023	0.0001	0.028	0.00112	0.000651	0.003	0.004	0.00039
MMS1-N	Madrid WRSA - CWP	8-Jul-25	11:25	350	5.27	49	0.0004	0.00002	0.0002	0.0002	0.00454	0.0002	0.0019	0.00105	0.006	0.0004
MMS1-N	Madrid WRSA - CWP	5-Aug-25	11:25	738	14	112	0.002	0.0001	0.001	0.001	0.003	0.001	0.00382	0.005	0.03	0.002
MMS1-S	Madrid WRSA - CWP	7-Jun-25	16:20	18.5	0.0484	9.88	0.0002	0.00001	0.00011	0.0001	0.0185	0.00104	0.000305	0.00222	0.0105	0.00027
MMS1-S	Madrid WRSA - CWP	8-Jul-25	11:00	36.2	0.0682	18.9	0.0002	0.00001	0.0001	0.0001	0.00441	0.00092	0.000493	0.00098	0.003	0.0002
MMS1-S	Madrid WRSA - CWP	5-Aug-25	11:35	244	2.65	106	0.0004	0.00002	0.0002	0.0002	0.00121	0.0002	0.00202	0.001	0.0955	0.0004
MMS1-S1	Madrid WRSA - Sump 1	7-Jun-25	16:30	21.4	0.246	6.64	0.0002	0.00001	0.0001	0.0001	0.00518	0.00022	0.000158	0.00087	1.97	0.0002
MMS1-S1	Madrid WRSA - Sump 1	8-Jul-25	14:50	100	2.2	35.7	0.0002	0.00001	0.0001	0.0001	0.00223	0.0001	0.000439	0.00083	1.16	0.0002
MMS1-S1	Madrid WRSA - Sump 1	5-Aug-25	11:10	61	0.0889	35.8	0.0002	0.00001	0.0001	0.0001	0.00346	0.00066	0.000705	0.00099	0.003	0.0002
MMS1-S3	Madrid WRSA - Sump 3	7-Jun-25	16:55	40.7	0.0578	7.29	0.0002	0.00001	0.00025	0.0001	0.0379	0.00038	0.000493	0.00936	4.7	0.00027
MMS1-S3	Madrid WRSA - Sump 3	5-Aug-25	10:50	307	2.2	92.2	0.0004	0.00002	0.0002	0.0002	0.00185	0.00057	0.00222	0.00258	4.86	0.0004
REFSEEP01	Reference	13-Jul-25	12:00	-	-	-	-	-	-	-	-	-	-	-	-	-
REFSEEP02	Reference	13-Jul-25	14:30	-	-	-	-	-	-	-	-	-	-	-	-	-
REFSEEP03	Reference	13-Jul-25	15:00	-	-	-	-	-	-	-	-	-	-	-	-	-