5-E: Addendum Evaluation of the Geochemical Properties of Waste Rock, Ore, Tailings, Overburden, and Sediment

REPORT

Evaluation of the Geochemical Properties of Waste Rock, Ore, Tailings, Overburden and Sediment

Whale Tail Pit Project

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Executive Summary

This report presents the results of the geochemical characterization program completed to date for overburden, lake sediment, waste rock, ore, and tailings from Whale Tail Pit, IVR Pit, and Underground. This report builds on Golder (2016a), submitted as part of the Approved Project (NIRB PC No. 008 and NWB 2AM-WTP1826), through the inclusion of additional waste rock samples to capture the expansion of Whale Tail Pit, as well as samples from IVR Pit and Underground.

The main lithological units that will be mined for the expansion are the same as those of the Approved Project. They include: komatiites, sedimentary rocks (greywacke, iron formation and chert), basalts, and diorites. Similar to the Approved Project, mineralization in the Whale Tail pit expansion, IVR pit and underground are low sulphur but the sulphur carries arsenic which is enriched in many waste rock types. The geochemical properties of these units in the proposed Expansion areas are also similar, with IVR pit intersecting a smaller number of lithologies; mostly basalts and komatiite while underground development rock is mostly diorite.

The geochemical characterization program was carried out following MEND (2009) and based on the following steps and objectives:

1) review and understanding of the project geology and proposed mining plan;

2) development of a sampling plan to characterize all units to be disturbed by mining;

3) an analytical program to assess the geochemical properties of mine wastes;

4) input to the Project team on mine waste and water quality control requirements; and,

5) definition of segregation criteria to identify wastes that pose a potential risk to the environment.

The following provides an updated summary of the conclusions and management considerations for waste material generated by the Approved and Expanded Projects:

- Similar to the Approved Project, overburden and lake sediment are non-potentially acid generating (NPAG). Overburden is NML but lake sediment is arsenic leaching (Section 3.0). All overburden and lake sediments will be managed permanently in the core of a Waste Rock Storage Facility (WRSF).
- As for the Approved project, but with slightly different lithological proportions, most waste rock (79%) is NPAG including: komatiite, most of the iron formation, basalt, southern greywacke and diorite (Section 4.2). PAG waste rock includes some komatiite and iron formation samples, as well as the chert and central greywacke units. Longer-running and additional kinetic test results are consistent with findings for the Approved Project, suggesting that the PAG rock is not likely to generate ARD at site for more than a decade if no ARD control mechanisms were put in place (Section 4.7). This period of time is longer than the anticipated duration of mine construction and operations. ARD control mechanisms (a thermal cover of NPAG/NML waste rock) will nonetheless be implemented during mining operations. No PAG waste rock was encountered at IVR Pit. PAG waste rock from Whale Tail Pit will be permanently managed in the core of the Whale Tail WRSF.
- The north greywacke has a variable ARD potential and testing is on-going to determine if this material is likely to go acid in the long-term; kinetic testing to date suggests that the delay to onset of ARD is likely to be much longer than the construction, operations and closure phases of the Project combined.

- Arsenic continues to be the principal element of environmental interest. It occurs in sulphide minerals in rocks associated with the deposit. Upon oxidation, these minerals generate arsenic salts which dissolved in contact water. Basalt, komatiite and iron formation waste rock release arsenic at higher concentrations than other lithologies in short- and long-term leach tests (Sections 4. and 4.7). These elevated concentrations do not mean that water contacting this rock at site will necessarily exceed the Effluent Limits (NWB 2AM-WTP1826) because conditions at site differ substantially from the aggressive leaching conditions of the laboratory tests. The arsenic minerals include arsenopyrite and gersdorffite observed in komatiite and iron formation with varying degree of exposure (i.e. some sulphides are locked in). As such, preventing oxidation is expected to minimize arsenic leaching. The effects of arsenic release from waste rock on mine site contact water quality are evaluated in the water quality model for the site (Golder 2018).
- Infrastructure construction and WRSF cover material will be sourced from early mine development rock, particularly the diorite and south greywacke, as well as NPAG and low leachable (NML) rock from other units. PAG and ML rock will not be used for construction. Monitoring will continue to evaluate the sulphur and arsenic content of these units as described in the Operational ARD/ML Sampling and Testing Plan (Agnico Eagle 2018c).
- All waste rock from Underground will be managed in the Waste Rock Exploration Pad prior to use as backfill in the mine such that no waste rock from underground will remain on surface after mine closure. Underground waste rock will be managed separately from the Whale Tail Pit and IVR Pit waste rock as it is anticipated to have elevated salinity associated with drilling brine and deep groundwater.
- Ore is PAG and leachable and will be stored temporarily at the Whale Tail site and runoff will be contained; ore will ultimately report to tailings after processing at the Meadowbank Mill. Long-term storage of ore at the Whale Tail site is not planned; however, should some of the ore remain stockpiled permanently, the material will require means to control oxidation and ARD/ML in the long-term.
- Whole tailings are PAG. Based on kinetic weathering tests there is available buffering capacity from both carbonate minerals in tailings and from lime added in metallurgical processing to delay the onset of acidic conditions for up to approximately 15 years (under laboratory conditions; Section 5.4.1) if continually exposed, although it is expected that the lime will be flushed more quickly than carbonate minerals. Prolonged exposure of tailings should be avoided because once the available buffering capacity is consumed, the tailings can start to oxidize and develop acidic conditions. Process water quality contains elevated concentrations of ammonia, total cyanide, arsenic, chloride, cadmium, copper, nickel and zinc, and alkaline pH (Section 5.5). Tailings will be disposed of at Meadowbank Tailings Storage Facility.

The NPAG and NML waste rock will be identified during operations per the Operational ARD/ML Sampling and Testing Plan (Agnico Eagle 2018c) using rock composition-based segregation criteria (sulfur, sulfur to carbonate ratio and arsenic content), not lithological criteria, in order to avoid the risk of compositional variability in lithologies and lithological mixing in the mining block model which will be used for rock excavation.

NPAG/NML waste rock will either be used immediately for construction material or will be stockpiled in the NPAG/NML pile temporarily and used as cover material for the Whale Tail WRSF and IVR WRSF. A sufficient tonnage of NPAG and low arsenic waste rock is identified to be available to cover these facilities based on tonnages of material available from NPAG and NML units; the diorite and south greywacke (Agnico Eagle 2018d). The approximate proportion of each geochemical category of rock is provided in the Table below by lithology, for comparison purposes. PAG and leachable material will not be used for construction and will be managed permanently in the Whale Tail WRSF or IVR WRSF.

Waste Materials and their Anticipated Reactivity, Proportion of Total Tonnage, and Waste Management

Material Type	Rock Name (Code)	Anticipated Reactivity		Whale Tail Pit		IVR Pit		Underground	
		ARD Potential	ML Potential	%Total Tonnage	Waste Management	% Total Tonnage	Waste Management	% Total Tonnage	Waste Management
Waste Rock by Lithology	North Basalt (V3-1a)[2]	No	Moderate	0%	PAG and/or ML: to Whale Tail WRSF	32%	PAG and/or ML: to IVR WRSF	0%	All waste rock will be stored temporarily in the Waste Rock Exploration Pad prior to backfill underground
	South Basalt (V3-1b)[3]	No	Moderate	11%		3%		5%	
	Iron Formation (S9E-S9D)	No	High	12%	NPAG/low leaching: construction use / NPAG stockpile	0%	NPAG/low leaching: construction use / NPAG stockpile	2%	
	North Komatiite (V4A-0a)	No	High	9%		12%		9%	
	South Komatiite (V4A-0b)	No	Moderate	17%		46%		3%	
	Chert (S10)[5]	Yes	Variable	11%		1%		13%	
	Central Greywacke (S3C)	Yes	Variable	5%		3%		1%	
	North Greywacke (S3N)[4]	Variable	Variable	9%		3%		0%	
	South Greywacke (S3S)	No	Low	15%	Construction use or NPAG stockpile	0%		2%	
	South Diorite (I2S)	No	Low	12%		0%		65%	
	Total Waste Rock			**100% (138 Mt)**		**100% (27.6 Mt)**		**100% (2.2 Mt)**	
Other Material	Overburden and Lake Sediments[6]	No	Variable	5% (7.6Mt)	To Whale Tail WRSF	11% (3.7 Mt)	To IVR WRSF	0%	-
	Ore	Yes	High	10% (16.8Mt)	Temporary Stockpile / Meadowbank Mill	8% (2.9 Mt)	Temporary Stockpile / Meadowbank Mill	63% (3.8 Mt)	Temporary Stockpile / Meadowbank Mill
	Tailings[7]	Yes	High	10%	Disposal at Meadowbank TSF	8%	Disposal at Meadowbank Meadowbank TSF	63%	Disposal at MeadowbankMeadowbank TSF

Notes:
[1] Individual tonnages may not sum to the total due to rounding.
[2] includes gabbro (I3A).
[3] includes lamprophyres (I4O).
[4] Includes S3Nb (near contact).
[5] Includes S10E, S10_mSi and S10_sSi.
[6] Tonnage of Lake Sediment is not available; it is grouped with the overburden in terms of tonnage and sample count.
[7] Tonnage of tailings material is not available and assumed to be the same as ore tonnage.

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List of Acronyms

ABA	Acid Base Accounting
AMQ	Amaruq
ARD	Acidic Rock Drainage
AP	Acid Potential
ASTM	American Society for Testing and Materials
BC	British Columbia
BSE	Back Scattered Electron
CIP	Carbon-in-Pulp
CaNP	Carbonate Neutralization Potential
CaNPR	Carbonate Neutralization Potential Ratio (CaNP/AP)
CVAAS	Cold Vapour Atomic Absorption Spectroscopy
EDS	Energy-Dispersive X-ray Spectroscopy
ENE	East North East
EPA	Environmental Protection Agency
FC	Field Cell
FEIS	Final Environmental Impact Statement
HCT	Humidity Cell Test
HCl	Hydrochloric acid
ICP-MS	Inductively Coupled Plasma-Mass Spectroscopy
ICP-OES	Inductively Coupled Plasma-Optical Emission Spectroscopy
IF	Iron Formation
LC	Large Column
LGO	Low Grade Ore
LOM	Life of Mine
Mt	Million tonnes
MEND	Mine Environment Neutral Drainage Program
ML	Metal Leaching
NAG	Net Acid Generation
NIRB	Nunavut Impact Review Board
NML	Non-metal leaching
NP	Neutralization Potential
NPR	Neutralization Potential Ratio (NP/AP)
NPAG	Non-Potentially Acid Generating
NWB	Nunavut Water Board
PAG	Potentially Acid Generating
PVC	Polyvinyl Chloride
QEMSCAN	Quantitative Evaluation of Materials by Scanning Electron Microscopy
QA/QC	Quality Assurance/Quality Control
RPD	Relative Percent Difference
SFE	Shake Flask Extraction
SEM	Scanning Electron Microscopy
TDS	Total Dissolved Solids
TOC	Total Organic Carbon
TSF	Tailings Storage Facility
TSS	Total Suspended Solids
UG	Underground
UM	Ultramafic (komatiite)
URSTM	Unité de recherché et de service en technologie minérale
USEPA	U.S. Environmental Protection Agency
UQAT	Université du Québec en Abitibi-Témiscamingue
WAD	Weak Acid Dissociable
WSW	West South West
WRA	Whole Rock Analysis
WRSF	Waste Rock Storage Facility
WT	Whale Tail
XRD	X-ray diffraction
XRF	X-ray fluorescence

1.0 INTRODUCTION

Agnico Eagle Mines Limited – Meadowbank Division (Agnico Eagle) is proposing an expansion to the Whale Tail Pit and Haul Road Project (Approved Project), a Meadowbank satellite deposit located on the Amaruq property. As an expansion to the Approved Project (NIRB PC No. 008 and NWB 2AM-WTP1826) Agnico Eagle is proposing to expand and extend the Whale Tail Pit operations to include a larger Whale Tail open pit, development of the IVR open pit, and underground operations (referred to as the Expansion Project) while continuing to operate and process ore at the Meadowbank Mine.

The Amaruq exploration property is a 408 square kilometre (km^2) site located on Inuit Owned Land approximately 150 kilometres (km) north of the hamlet of Baker Lake and approximately 50 km northwest of Meadowbank Mine in the Kivalliq Region of Nunavut (Map 1). The deposit will be mined as an expansion of Whale Tail Pit, mining in an additional open pit (i.e., IVR Pit), and underground mining below Whale Tail and IVR pits. Agnico Eagle proposes to process the Whale Tail ore and placement of the tailings slurry at the existing Meadowbank Mine Tailing Storage Facility (TSF) as approved by NIRB Project Certificate No. 008 and Type A Water Licence 2AM MEA1526.

Mining facilities include Whale Tail Camp, temporary ore stockpiles, one esker material stockpile, three rock storage facility areas planned to receive waste rock and overburden, a water management system that includes collection ponds, water diversion channels, and retention dikes/berms, and Water Treatment Plants.

As part of baseline data collection in support of the Environmental Impact Assessment Review for the Project, Agnico Eagle mandated Golder Associates (Golder) to carry out an evaluation of the geochemical properties of geological materials that will be displaced by mining of the Whale Tail and IVR Pits and the Underground mine; namely, waste rock, ore, tailings produced by milling of the ore, overburden and Whale Tail Lake sediments within the footprint of the pit. Potential road construction materials (esker material and Vault waste rock) were also evaluated and are reported under separate cover (Golder 2015, Golder 2017). This study investigates the potential of waste materials to generate acidic rock drainage (ARD) and to release metals (metal leaching, or ML) to the receiving environment in the short and long-term, within the context of the site climate and anticipated mine management plans.

This study was completed in a phased approach beginning in 2015, and with laboratory and on-site testing still underway. Study milestones include:

- 2015: collection and analysis of samples from within the footprint of the Whale Tail Pit including waste rock and ore (core samples from existing exploration boreholes and from assay reject materials), tailings sample from mineral processing tests directed by Agnico Eagle, overburden, and lake sediment (collected by Azimuth Consulting). This stage of work is summarized in Volume 5 Appendix 5-E of the Final Environmental Impact Statement (FEIS) (Agnico Eagle 2016).
- 2016: sampling from Whale Tail Pit targeted spatial and lithological data gaps identified in Volume 5 Appendix 5-E of the FEIS (Agnico Eagle 2016), particularly additional samples of basalt and north greywacke. Samples were also collected from the IVR Pit and Underground. Large scale field leaching cells were constructed from crushed exploration drill core.
- 2017: additional sampling from the Whale Tail Pit, IVR Pit, and Underground to target spatial and lithological data gaps, and in support of expanded mine footprints.

This report describes the geochemical characterization program, which was carried out based on the following steps and objectives:

1) review and understanding of the project geology and proposed mining plan;
2) development of a sampling plan to characterize all units to be disturbed by mining;
3) an analytical program to assess the geochemical properties of mine wastes;
4) input to the Project team on mine waste and water quality control requirements; and,
5) definition of segregation criteria to identify wastes that pose a potential risk to the environment.

The segregation criteria will be used by mining operations to implement the mine waste management plan and progressive closure, as described in the ARD/ML Sampling and Analytical Plan (Agnico Eagle 2018c) and in the Mine Waste Management plan (Agnico Eagle 2018d).

1.1 Previous Work

This report includes all work completed to date, both in support of the Final Environmental Impact Statement (Agnico Eagle 2016) submitted for the Approved Project (NIRB PC No. 008 and NWB 2AM-WTP1826) and in support of the Expansion Project. The following comprises the main updates to the geochemical database in support of the Expansion Project:

- Increased sampling in the Whale Tail Pit north greywacke unit, which will comprise a significant portion of the north wall of Whale Tail Pit. Samples were analyzed using both static and kinetic tests.
- Sampling and testing of deep overburden (in permafrost) within the Whale Tail Pit footprint. Samples were analyzed for static testing only.
- Sampling and testing of waste rock and ore to be produced from the mining of IVR Pit and Underground. Samples were analyzed for both static and kinetic testing.
- Testing of additional whole ore tailings samples for both static and kinetic testing.

General conclusions in terms of material reactivity and waste management recommendations to manage ARD/ML have not changed from the original report (Golder 2016a).

1.2 Information Reviewed

Background information on the geology, mineralogy, and chemistry of rock types present at the site was extracted from the following documentation provided by Agnico Eagle:

- Draft Project Description, Whale Tail Pit Amendment, Nunavut (Agnico Eagle 2018a).
- Whale Tail Geology Summary (from Agnico Eagle internal document).
- Technical Report NI43-101 (Agnico Eagle 2018b).
- Mine plan provided by Agnico Eagle - 117-600-100-MTO-001_R0 (WT-001-009).xlsx, prepared by Agnico Eagle and dated June 4, 2018, based on the following for each resource:
  - Whale Tail Pit: WHL-001-009C
  - Underground: AMQ-MID17-UG003
  - IVR Pit: IVR-001-004
- Geological cross-sections, borehole logs, maps, and block model.

Two previous documents were produced on the geochemical characterization of potential road fill materials for the Whale Tail access road (Golder 2015 and Golder 2017).

Other information on mine planning, mineral processing and mine waste management was collected via discussions and email exchanges with Agnico Eagle staff and Whale Tail Project team members during this study, as well as the Waste and Water Management Plans developed as part of Expansion Project (Agnico Eagle 2018a to e).

1.3 Background Site Information

1.3.1 Geology

Appendix A provides a summary of the regional and site geology that is adapted from a geology summary of the Amaruq exploration property provided by Agnico Eagle staff as well as the NI43-101 report (Agnico Eagle 2018b). The main lithological units associated with the Whale Tail and IVR deposits include: komatiites, clastic sedimentary rocks, basalt rocks and felsic to diorite rocks. These lithologies are summarized in Table A1 and follow the identification codes used by Agnico Eagle. Appendix A also include descriptions of each lithology as provided by Agnico Eagle.

1.3.2 Mine Plan

The anticipated total tonnage of mined materials is summarized in Table 1, based on the mine plan developed for the mining of both the Whale Tail and IVR deposits through both open pit and underground methods (Agnico Eagle 2018f). The geochemical characterization study and sampling plan for the Project were designed based this mine plan, as described in Section 2.0.

Table 1: Anticipated Tonnage of Ore and Mined Materials

Material Type	Whale Tail Pit	IVR Pit	Underground	Total Tonnage per Material Type
	Tonnage[1] (tonnes)			
Waste Rock	137,977,417	27,619,187	2,228,846	167,825,450
Overburden and Lake Sediment[3]	7,619,698	3,723,876	0	11,343,574
Ore	16,835,533	2,907,063	3,777,675	23,520,271
Total Material per Deposit	162,432,647	34,250,127	6,006,522	202,689,296

Notes:
[1] Individual tonnages may not sum to the total due to rounding
[2] n.a. not available at the time of reporting
[3] Tonnage of lake sediment is not available but expected to be a minimal proportion compared with the overburden, with which it will be removed during operations.

1.3.3 Metallurgical Processing

The Meadowbank processing plant has been in commercial production since early 2010 and consists of primary and secondary crushing, grinding, gravity concentration, cyanide leaching and gold recovery in a carbon-in-pulp (CIP) circuit. In order to increase the overall gold recovery of the Amaruq ore, a gravity pre-concentration process followed by a regrind will be added to the flowsheet (Agnico Eagle 2018b). The main chemicals used in the process plant include calcium chloride, flocculent, quick lime, sodium cyanide, lead nitrate, carbon, copper sulphate, and sodium metabisulphate (Agnico Eagle 2018b).

Golder understands that tailings samples were generated to be consistent with the anticipated metallurgical process at Meadowbank Mill. The use of chemicals in milling may generate sulphate and/or promote sulphide mineral oxidation. This has implications on how the results of acid base accounting (ABA) testing are interpreted, specifically with respect to the calculated neutralization potential (NP) and acid potential (AP), and interpretation of acid rock drainage (ARD) which is detailed further in Section 2.3.3.

1.3.4 Summary of Waste and Water Management

Waste rock, overburden, and lake sediment will be co-disposed in the Whale Tail or IVR Waste Rock Storage Facility (WRSF). PAG and ML waste rock will be managed in the centre of the WRSF, and progressively covered with NPAG and NML waste rock throughout operations. The cover material will host the full thickness of the active layer for the underlying PAG and/or ML waste rock to remain frozen.

Waste rock from Underground will be managed in the Waste Rock Exploration Pad prior to use as backfill in the mine such that no waste rock from Underground will remain on surface after operations. Underground waste rock will be managed separately from the Whale Tail Pit and IVR Pit waste rock as it is anticipated to have water content with elevated salinity associated with drilling brine and deep groundwater.

Ore will be temporarily stockpiled on ore pads and will be trucked to the Meadowbank Mill for processing. The tailings slurry will be disposed of at the existing Meadowbank Mine TSF as approved by NIRB Project Certificate No. 008 and Type A Water Licence 2AM MEA1526.

All contact water will be collected during operations and treated prior to discharge to Mammoth Lake or Whale Tail Lake (South Basin) (Agnico Eagle 2018e). Saline flows originating from the Underground Mine are a result of brined drilling fluid when the development of the Underground Mine is in permafrost, from deep groundwater inflows, and from runoff from the Waste Rock Exploration Pad. All saline water will be managed separately from non-saline contact water and treated prior to discharge to Whale Tail Lake (South Basin). In closure, Whale Tail Pit and IVR Pit will be flooded.

Table 2 summarizes the key waste and water management considerations for each deposit. These strategies were developed in consideration of the geochemical properties of the wastes defined in this study and predictive water quality modelling presented in another report (Golder 2018).

Table 2: Summary of Waste and Water Management Strategies

Deposit/ Storage Facility	Geochemical Properties of Waste	Waste Management	Mitigation	Water Management During Operations
Whale Tail Pit / Whale Tail WRSF	WRSF ■ Majority of waste lithologies are PAG or arsenic leaching (73%). ■ NPAG and NML lithologies account for 27%. Pit walls ■ Exposed PAG and ML lithologies.	■ Overburden, lake sediment, PAG/ML waste rock to the WRSF. ■ NPAG and NML waste rock used for construction and/or cover or stored in NPAG stockpile for future use. ■ Minimize exposure of PAG and ML in pit walls	■ Progressive cover throughout operations using NPAG / NML waste rock, which will host active layer. ■ PAG/ML rock will be managed frozen and covered. ■ Flooding of pit during closure; Pit wall pushback to minimize ML exposure	■ WRSF drainage and pit sump water will be captured and treated ■ Pit lake water quality will be monitored and dikes will remain in place until pit lake water quality is acceptable
IVR Pit / IVR WRSF	WRSF ■ Very little PAG rock (6%). ■ Majority of waste rock lithologies are ML (94%). Pit walls ■ Pit wall lithologies are predominantly ML.	■ Overburden and ML waste rock to the WRSF. ■ NPAG and NML waste rock identified and segregated for use in construction and/or cover or stored in NPAG stockpile. ■ Arsenic leaching lithologies exposed in pit wall (i.e. north greywacke, komatiite)	■ WRSF progressive cover throughout operations using NPAG / NML waste rock which will host active layer. ■ PAG/ML rock will be managed frozen. ■ Flooding of pit during closure and pit high wall reslope and cover to minimize ML exposure	■ WRSF drainage will be captured and treated ■ Pit lake water quality will be monitored and dikes will remain in place until pit lake water quality is acceptable
Underground / Waste Rock Exploration Pad	■ Majority of waste rock is NPAG / NML (67%); remainder is PAG and/or ML. ■ Runoff anticipated to contain salinity due to drilling brines and brackish groundwater.	■ All waste rock to be managed temporarily on surface prior to use as backfill in the mine.	■ Underground waste rock backfilled in mine	■ Saline water will be captured and treated

1.3.5 Waste Rock for Use as Site Construction and Closure Material

Only NPAG and NML rock will be used for construction and cover materials. During construction of the Approved Project, Agnico Eagle has developed Quarry 1 located on-land within the east side of the open pit footprint, to supply site construction rock until the full pit is opened. The predominant lithologies encountered in Quarry 1 include diorite, south greywacke, and komatiite.

During operations, NPAG and NML waste rock will be segregated for use as closure material from the PAG and/or ML waste rock that will require management as detailed in the Operational ARD/ML Sampling and Testing Plan (Agnico Eagle 2018c). This will include sampling and testing during operations to confirm the geochemical properties of material before it is considered for use as construction or cover material (Golder 2018c) as summarized in Section 6.0.

The predominant lithologies anticipated to be used for construction and closure include the south greywacke (S3S) and diorite (I2 or 8b). Material from other lithologies will only be used if it is identified as NPAG and NML through confirmatory testing during operations.

1.4 Approach to the Geochemical Characterization Program

The geochemical characterization program employed for the Approved and Expansion Projects follows the conventional evolution of sampling, testing, and data evaluation as shown in Figure 1. This model largely follows the general guidelines of MEND (2009).

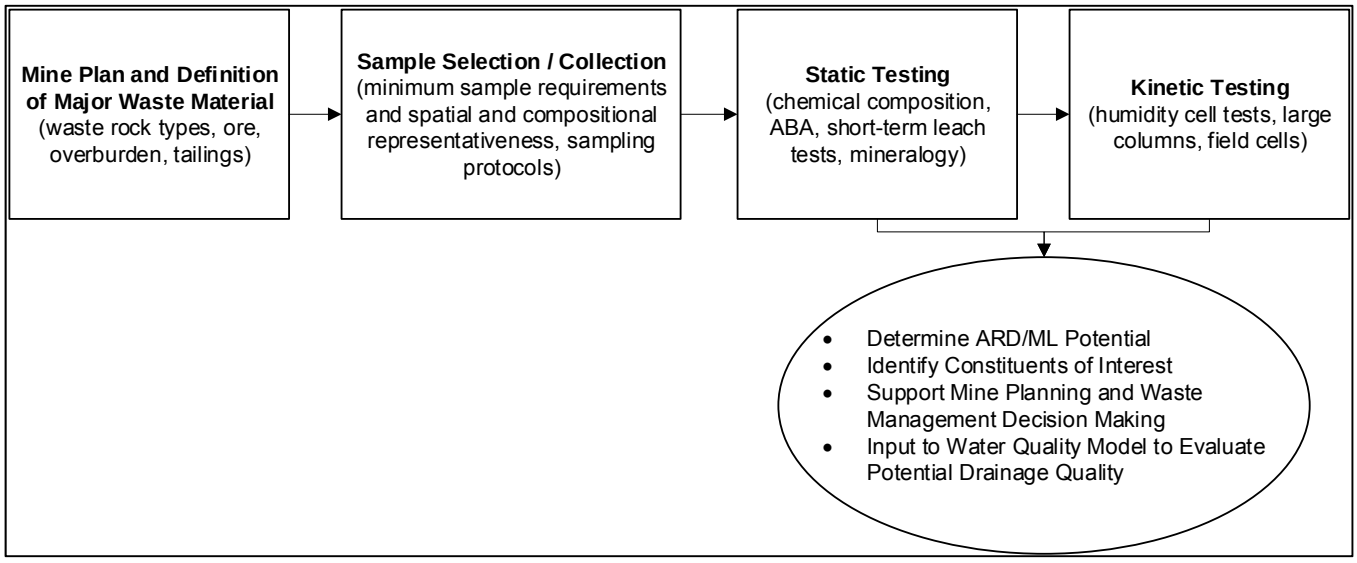


Figure 1: Generic Conceptual Model of Geochemical Characterization Program by Mine Phase

1.4.1.1 Program Objectives

The objectives of the geochemical characterization program are to obtain site specific information on all mine wastes to be generated by mining in order to guide mine waste and water management practices and closure methods that minimize effects on the receiving environment. The program developed for Whale Tail includes the following steps:

- Develop an understanding of the deposit geology, its interpretation in the bloc model and mining plans through the review of site information and in discussion with project geologists.
- Evaluation of the geo-environmental properties of mine wastes (Section 3.0, 4.0 and 5.0): develop and execute a sampling program for all mine wastes to be exposed and assess their ARD and ML (i.e. waste rock units, ore, overburden, lake sediment, and tailings). This program was done is stages in order to address gaps and sensitivities in the results (e.g. static test results informed the selection of representative samples for kinetic testing, and completion of tests at different scales). This is outlined in Section 1.3.6.3.
- Identify mine waste management needs (Section 6.2; Agnico Eagle 2018c and 2018d): use the geochemical characterization results to define the requirements of waste management planning, waste segregation during operations, and to identify suitable construction material during construction and operations. This is carried out through in an iterative process together with Agnico Eagle.
- Forecast mine contact water quality: kinetic test results were utilized to develop loading rates for each rock type exposed in the facilities (open pits, rock stockpiles) (Section 4.7.6). These loading rates are applied as the chemical source terms in the water quality model (Golder 2018). Factors affecting the reactivity of waste, such as temperature, grain size, water to rock ratio, and channeling, were applied in the water quality model (Golder 2018). Water quality forecasts guide water and waste management and mining plans. This is carried out through in an iterative process together with Agnico Eagle with the goal of optimizing designs to allow operational flexibility and environment protection.

1.4.1.2 Testing Program Design Development

The geochemical characterization program was designed to address key issues associated with deposit rocks. The program followed the standard approach outlined in MEND (2009) and built upon knowledge gained from previous steps of the program (the Approved Project), an understanding of the geology of the Whale Tail and IVR deposits and experience at Meadowbank Mine, considering these deposits are part of the same geological sequence as the Meadowbank deposit. The key aspects to define include:

- ARD potential: the potential for the development of acidic mine contact water with elevated concentrations of constituents. The Whale Tail and IVR deposits are low sulphur but do contain pyrrhotite, arsenopyrite and pyrite which can release acidity and metals upon oxidation. PAG rock is encountered at Meadowbank Mine; however, despite the documented reactivity of the Meadowbank PAG waste rock, these materials have not developed ARD in the pits nor in the waste rock piles under similar exposure conditions than anticipated for the Whale Tail facilities. ARD of Expansion Project materials was evaluated through Acid Base Accounting (ABA) tests (Section 2.3.3) and mineralogy (Section 2.3.1).
- Neutralization potential: metal carbonates and graphitic carbon occur in site rocks. This imparts little to no buffering capacity to neutralize acid produced from sulphide mineral oxidation. The test methods chosen to quantify the neutralization potential at site were selected to account for the presence of metal carbonates and graphitic carbon to avoid the overestimation of potential buffering capacity (Section 2.3.3.1)

- Arsenic release: the sulphur mineralization carries arsenic, which is enriched in many waste rock types. Arsenic-bearing and potentially arsenic-bearing sulphide minerals documented to be present in the deposit include arsenopyrite, pyrite, pyrrhotite, and gersdorffite which oxidize at various rates to release arsenic and other constituents. The oxidation of these sulphide minerals and the dissolution of the secondary oxidation products needed to be assessed by evaluating oxidation rates and chemical release rates, and to tie this knowledge to original chemical and mineralogical composition of the sample. Understanding that oxidation rates may be slow in arctic environments or in the deposit rocks, it was important to identify what constituents are released and at what rate in the short-term upon exposure and in the long term, prior to and upon the onset of ARD. Arsenic is known to be mobile in neutral drainage (MEND 2009) and thus occurs as neutral metal leaching (ML) independently of the generation of ARD/ML. The potential for short-term release of arsenic (from sulphide mineral oxidation and subsequent solubilisation of secondary salts) was evaluated through short-term leach tests (Section 2.3.4.1) on all waste rock samples and through kinetic testing on select samples at various scales in laboratory and under field conditions (Section 2.3.4.2).

1.4.1.3 Implementation of the Geochemical Characterization Program

The following steps and analytical test methods were followed for both the Approved and Expansion Projects to evaluate the geochemical properties of the waste material, to meet the overall objectives of the program:

1) Selection of geochemical test units: use of rock lithologies groups as a basis of characterization using deposit geology information (Section 1.3.1) and the mine plan (1.3.2). This was done in consideration of the relative homogeneity of each lithology, to allow extrapolation of analytical results to the entire deposit.

2) Sampling program: focused on achieving compositional and spatial coverage of waste rock and ore units, utilizing the block model and supported by Agnico Eagle geologists. Samples were collected from a combination of (mostly) exploration drill core from the Site and some assay rejects from the laboratory (Section 2.1).

3) Analytical program: completion of static tests and mineralogical investigations to identify rocks/deposit areas with a potential to generate acidic drainage (ARD) together with kinetic weathering tests at various scales to evaluation of the likely timing to onset of ARD at site and determine how quickly ARD control measures should be implemented. Static and kinetic tests were also used to identify chemical constituents of interest and those that may leach either in the short-term, in the long-term at neutral pH or after onset of ARD. Results were interpreted in conjunction with the identification of metal enrichment (described above) and the ARD potential of the samples. Net acid generation (NAG) leachate were also used to assess the total metal load that could be generated upon complete oxidation of sulphide minerals and consumption of buffering capacity. Samples for kinetic testing were selected to represent the median to upper quartile behaviour for the potential constituents of interest in order to provide conservative inputs to the water quality model (2018b).

4) Static and kinetic test results supported the assessments on:

    - Identification of potential constituents of interest in mine contact water at neutral pH;
    - Sample selection for kinetic testing;
    - Identification of geo-environmental properties of mine wastes;
    - Timing to the onset of acidic conditions for PAG material; and,
    - Development of mine waste management plans and chemical release rates upon exposure of the rock for use in water forecast presented in the Water Quality Modelling Report for the Expansion Project (Golder 2018a)

2.0 SAMPLE COLLECTION AND TEST METHODS

This section summarizes the sampling and analytical programs completed for the geo-environmental characterization study, originally reported by Golder (2016a).

2.1 Waste Rock, Ore, and Overburden Sample Selection and Collection

The geochemical characterization study was completed in various campaigns between 2015 and 2017. Efforts completed through Q1 2016 were documented in Golder (2016a). The sample database reported in Golder (2016a) was re-evaluated against the revised block model and many samples were re-classified as different lithologies than were reported in Golder (2016a). The lithology of each sample discussed in this report reflects the new geological interpretation.

Model snapshots illustrating the location of borehole sample intervals are included in Appendix B. The sections show some differences between the apparent lithology of some samples and the lithology stated in the tables for the same sample. This is an artefact of projecting lithological contacts and borehole intervals on the cross-section. The tabulated lithologies are considered to be more accurate than the graphical interpretations on sections.

The sampling plan for Whale Tail Pit waste rock considered MEND (2009) guidance, which recommends that the number of samples collected and analyzed be volumetrically representative of each lithology of waste rock to be mined. To that end, Golder worked with Agnico Eagle geologists to view sample locations within the block model in order to ensure spatial distribution of samples and identify gaps in sample coverage. Overall, samples were collected from areas within the Whale Tail Pit and IVR Pit footprints, some samples just below the pit outline, along the planned open pit walls, as well as the ramp and development rock from the Underground mine. Table 3 presents the number of waste rock and ore samples collected compared to the total tonnage of waste materials expected to be generated by mining.

As noted in Section 1.1.2, the lithology of each sample in the geochemical database is assigned based on the block model designation presented in the mine plan (Agnico Eagle, 2018f), rather than the rock type noted in the borehole logs. This approach accounts for the geological interpretation of the deposit in the block model and reflects the potential for heterogeneity of each mined “block” during operations. Since the program began in 2015, the block model has been reinterpreted and fifteen (15) samples, which were previously collected to represent a single block model lithology, are now interpreted to include two or more lithologies; these samples are referred to as “composite” in the geochemical database. Appendix C provides detail on the composite sample intervals including the rock type as logged.

Table 3 presents the proportion of composite samples (i.e. samples re-designated to contain multiple lithologies) for each deposit, which by sample count constitute 2% of Whale Tail Pit, 10% of Underground, and 10% of IVR Pit samples.

Sample collection was completed by either Golder or Agnico Eagle personnel under the guidance of Golder, in which case the samples were sent to the laboratory directly without viewing by Golder. The Golder personnel that developed the sampling plan and collected the samples are registered professional geologists in Nunavut.

Table 3: Anticipated Tonnage of Tailings, Mined Materials and Sample Count

Material Type	Rock Name (Code)	Whale Tail Pit				Underground				IVR Pit			
		Tonnage[1] tonnes	%Total Tonnage	Sample Count	Sample Count %	Tonnage[1] tonnes	% Total Tonnage	Sample Count	Sample Count %	Tonnage[1] tonnes	% Total Tonnage	Sample Count	Sample Count %
Waste Rock by Lithology	North Basalt (V3-1a)[2]	0	0%	0	0%	0	0%	0	0%	8,872,277	32%	20	38%
	South Basalt (V3-1b)[3]	14,489,291	11%	29	14%	112,337	5%	14	30%	722,769	3%	1	2%
	South Diorite (I2S)	16,746,059	12%	13	6%	1,445,713	65%	11	23%	0	0%	0	0%
	Iron Formation (S9E-S9D)	15,917,510	12%	11	5%	35,718	2%	0	0%	0	0%	0	0%
	North Komatiite (V4A-0a)	12,575,057	9%	19	9%	200,679	9%	4	9%	3,421,531	12%	17	32%
	South Komatiite (V4A-0b)	23,067,498	17%	10	5%	56,757	3%	3	6%	12,823,568	46%	10	19%
	North Greywacke (S3N)[4]	11,976,021	9%	53	25%	10,331	0%	2	4%	779,515	3%	1	2%
	Central Greywacke (S3C)	6,277,948	5%	25	12%	27,275	1%	2	4%	753,685	3%	0	0%
	South Greywacke (S3S)	20,559,071	15%	26	12%	48,566	2%	5	11%	0	0%	0	0%
	Chert (S10)[5]	15,520,029	11%	15	7%	291,469	13%	2	4%	217,119	1%	0	0%
	Undefined / Composite[6]	848,932	1%	10	5%	0	0%	4	9%	28,723	0%	4	8%
	Total Waste Rock	**137,977,417**	**100%**	211	100%	**2,228,846**	**100%**	47	100%	**27,619,187**	**100%**	53	100%
All Material to be Mined	Overburden and Lake Sediments[7]	7,619,698	5%	31	11%	0	0%	0	0%	3,723,876	11%	0	0%
	Waste rock	137,977,417	85%	211	75%	2,228,846	37%	47	92%	27,619,187	81%	53	88%
	Ore	16,835,533	10%	40	14%	3,777,675	63%	4	8%	2,907,063	8%	7	12%
	Total Material Mined	**162,432,647**	**100%**	**282**	**100%**	**6,006,522**	**100%**	**50**	**100%**	**34,250,127**	**100%**	**60**	**100%**
Tailings	Tailings[8]	16,835,533	-	5	2%	3,777,675	-	0	-	2,907,063	-	0	-

Notes:
[1] Individual tonnages may not sum to the total due to rounding.
[2] includes gabbro (I3A).
[3] includes lamprophyres (I4O).
[4] Includes S3Nb (near contact).
[5] Includes S10E, S10_mSi and S10_sSi.
[6] Composite samples; tonnage provided is for non-defined waste. Composite samples are defined in Appendix C.
[7] Tonnage of Lake Sediment is not available; as it is expected to comprise a minor amount of the material to be removed during operations compared with overburden, it is grouped with the overburden in terms of tonnage and sample count. Results are discussed separately in Section 3.0.
[8] Tonnage of tailings material is equivalent to the ore tonnage; targeted tailings samples are documented further in Table 4

2.1.1 Waste Rock and Ore Sample Collection

Each sample of waste rock and ore collected by Golder was described in terms of rock type, estimated sulphide content and mineralogy, alteration, and staining associated with sulphide mineral oxidation. Each sample consisted of a composite of 3 to 5 kilograms of core (whole or split) collected from previously drilled diamond drill core over an interval of up to 10 metres. The total length of the sample interval was intended to represent a nominal bench height, and to circumvent the effect of mineral clusters, particularly sulphide minerals and calcite or silica veins.

2.1.2 Overburden and Lake Sediments Sample Collection

Table 3 presents the number of overburden and lake sediment samples collected, as well as the total tonnage of overburden expected to be excavated for mining of the Whale Tail Pit.

Overburden samples were collected in 2015 and 2017, with sampling locations shown on Map 2. The 2015 samples were collected by Golder using a metal shovel to a depth that was limited by the presence of large boulders and/or frozen ground conditions (maximum 1 m) and are referred to as surface overburden and represent the overburden from the (unfrozen) active thaw layer. Additional samples were collected in 2017 by Golder and/or Agnico Eagle staff from material recovered from three exploration drill holes located within the Whale Tail Pit footprint (The Quarry 1 and Starter Pit) and equipped especially for the purpose of collecting overburden material at various depths. These samples are between 0.5 and 8.1 m deep and are referred to as deep overburden and represent overburden from within the permafrost. Each overburden sample consisted of approximately 3-5 kg of material, and was described in terms of texture, colour and water/ice content.

Five lake sediment samples were collected in 2015 from within the footprint of the proposed open pit, in Whale Tail Lake (North Basin; Map 2). Samples were collected in 125 mL glass sample jars by Azimuth Consulting personnel from a boat using a Petite Ponar instrument. Each sediment sample consisted of a homogenized composite sample of two Ponar grabs from approximately the top 0.10 m of sediment. The top 3 to 5 cm of sediment from each grab was retained, homogenized in a stainless-steel bowl and analyzed for total metals, total organic carbon (TOC), grain size, moisture content, and pH at ALS Environmental in Vancouver, BC under the direction of Azimuth Consulting. The lower portion of the sample (below ~ 5 cm) was retained, homogenized and subject to analysis at ALS and SGS for chemical composition, acid-base accounting (ABA) and static ML tests (shake flask extraction, or SFE) at Golder's request.

2.2 Tailings and Process Water Sample Selection and Collection

Five (5) samples of metallurgical processing wastes (tailings) and their process water were retained from test work conducted by Agnico Eagle on major ore zones from the Whale Tail Pit. The ore used to generate representative composite samples of the Whale Tail Pit tailings material analyzed in this study is presented in Table 4. The five metallurgical samples tested to date include individual samples from three major ore zones to be targeted at the Whale Tail Pit (RE-17092, RE-17098, and RE-17104), as well as two samples of composite material from these zones (EN-037469 and RE-13872/RE-13874) that were considered to be a representative blend of the ore to be produced over the life of the mine (LOM) for Whale Tail Pit at the time of sampling.

Table 4: Summary of Tailings Samples and Targeted Ore Zones from Whale Tail Pit

Description		Ore Zones and Tonnage and Proportion in Tailings Sample		
Host Lithology		***Iron Formation (S9E)***	***Chert (S10)***	***Various (V3+V4)***
Mineralization Styles (from AEM, 2018)	Ore Zones	*Mineralization Style 1*: Whale tail_a; Whale tail_b	*Mineralization Style 2:* Quartz Zone (QZ) 01, 02, 03	*Mineralization Style 3:* High-grade zone (HGZ); IC[2]; QZ 01, 01B, 02, 03, 04
	Description	Pyrrhotite-amphibole-carbonate injections and replacement in iron formation	Silica-flooding with arsenopyrite-pyrrhotite in chert-rich units.	Quartz± sulphide±native gold veins in discordant shear zones
Ore Tonnage at Whale Tail Pit[1]	Estimated Tonnage	6.83 Mt	8.75 Mt	1.26 Mt
	Proportion of Total Ore Tonnage	41%	52%	7%
Tailings Sample ID	RE-17092 (S3QZ)	0%	100%	0%
	RE-17098 (ALTV4)	100%	0%	0%
	RE-17104 (HGZ)	0%	0%	100%
	EN-037469 (Combined)	40%	40%	20%
	RE-13872/RE-13874	25%	50%	25%

Note: [1] from LOM provided by Agnico Eagle (6117-600-100-MTO-001_R0).
[2] IC acronym undefined in Agnico Eagle (2018).

For this study we assume that all tailings samples were generated to be consistent with the current metallurgical process at Meadowbank Mill which involves the addition of hydrated lime ($(CaOH)_2$) and may also generate sulphate (Section 1.5). This assumption has implications on how the results of ABA testing are interpreted, specifically with respect to the calculated NP and AP, and interpretation of ARD (see Section 2.3.3.4 for further details).

Representative tailings samples of Underground, IVR Pit and IVR Underground ore were not available at the time of this investigation, and as such have not been tested.

2.3 Test Methods

The test program incorporated standard geochemical test methods to characterize the chemical composition and acid rock drainage/metal leaching (ARD/ML) potential of the different material types expected to be generated from mining based on the Price (1997), MEND (2009) and Amira (2002) geochemical guidance documents, the American Society for Testing and Materials (ASTM), or and the Environmental Protection Agency (EPA) methods as indicated per test method below.

The testing program included the following analyses completed at SGS, unless otherwise indicated:

- Mineralogical identification of waste rock samples is summarized below, with further detail provided in Section 2.3.1:
  - X-ray diffraction (XRD) and Rietveld pattern analysis on a subset of basalts south, chert central, greywacke central, greywacke north, greywacke south and composite waste rock samples;
  - Scanning Electron Microscopy (SEM) and optical mineralogy on a subset of iron formation and komatiite north waste rock, both completed at the Unité de recherché et de service en technologie minérale (URSTM) located at the Université du Québec en Abitibi-Témiscamingue (UQAT)); and,
  - High definition mineralogical analysis using Quantitative Evaluation of Materials by Scanning Electron Microscopy (QEMSCAN) on a subset of basalts north, greywacke north, komatiite north and komatiite south waste rock.
- Carbon and sulphur analysis by LECO furnace at the Meadowbank on-site assay laboratory on a subset of Whale Tail pit waste rock samples as discussed in Section 2.3.3
- ARD potential through ABA testing by Modified Sobek method (MEND 2009); with siderite correction analyzed on 83% of all samples, and graphitic carbon analyzed on 93% of all samples (i.e. waste rock, ore, tailings, overburden and lake sediment) (Section 2.3.3).
- Single addition Net Acid Generation (NAG) pH and sequential NAG pH tests on a subset of waste rock samples and one tailings sample (RE-13872/RE-13874) following the Amira (2002) Method (Section 2.3.3.3).
- The following static leaching tests on solids (Section 2.3.4):
  - Readily leachable metals through short-term leach testing by a modified version of the SFE test on most waste rock and all tailings, overburden and lake sediment samples (SFE; Modified ASTM D3987).
  - Analysis of single addition and sequential NAG pH test leachate. Samples selected for this testing are the same as selected for the NAG pH testing mentioned above including a subset of waste rock samples and one tailings sample (RE-13872/RE-13874).
- Kinetic leaching tests on solids including Humidity Cell Tests (HCTs) (Section 2.3.4.2.1), subaerial and submerged Large Column tests (LCs) (Section 2.3.4.2.2), and Field Cell (FCs) tests (Section 2.3.4.2.3) on waste rock and ore (all test types) and tailings (HCTs only).
  - The waste rock and ore sample selection rationale used in the design of kinetic leaching tests is presented in Table 19 (HCTs) and Table 20 (subaerial and submerged LCs and FCs). Samples were selected to represent the dominant waste rock groups that will generate the largest volume of waste, and to capture the effect of specific compositional characteristics on leachate chemistry; namely average and high-end or upper quartile (i.e. 75^{th} to 90^{th} percentile) concentration ranges of constituents of concern, including CaNP, sulphide content and arsenic content.
- Metallurgical process water chemistry for all tailings samples:
  - pH, alkalinity, carbonate and bicarbonate, conductivity, cyanide (total, free, and weak acid dissociable (WAD)), cyanate (CNO) and thiocyanate (CNS).
  - Anions: chloride (Cl), sulphate (SO_4), nitrite (NO_2), nitrate (NO_3), bromide (Br), ortho-phosphate (P), fluoride (F), total ammonia (NH_3+NH_4).

- Dissolved Metals: silver (Ag), aluminum (Al), arsenic (As), boron (B), barium (Ba), beryllium (Be), bismuth (Bi), calcium (Ca), cadmium (Cd), cobalt (Co), chromium (Cr), chromium VI [Cr(VI)], copper (Cu), iron (Fe), potassium (K), lithium (Li), magnesium (Mg), manganese (Mn), molybdenum (Mo), sodium (Na), nickel (Ni), phosphorus (P), lead (Pb), antimony (Sb), selenium (Se), silicon (Si), tin (Sn), strontium (Sr), titanium (Ti), thallium (Tl), uranium (U), vanadium (V), zinc (Zn), and mercury (Hg).

Geochemical test methods are discussed in the next sections.

2.3.1 Mineralogical Analyses

In total, twenty-one (21) waste rock and ore samples from the Whale Tail Pit, Underground, and IVR Pit were selected for mineralogical analysis by one of the following methods: XRD and XRD pattern interpretation by Rietveld method; SEM; and High definition mineralogical analysis using QEMSCAN. Details on the sample selection and methods are provided as follows.

- XRD with Rietveld pattern interpretation: sixteen (16) waste rock and ore samples were analyzed. This analytical technique allows for quantitative evaluation of the crystalline mineral phases to approximately 1%. Mineral phases present at concentrations between 1% and 0.5% can be identified but quantification is imprecise. XRD does not detect amorphous mineral phases. This analysis was used to identify and quantify minerals that provide buffering capacity and acidification potential to the samples to help define the propensity for acid generation from the lithologies tested. Samples were selected based on their sulphur content and on the difference between the carbonate mineral buffering capacity and bulk buffering capacity, which included non-carbonate buffering minerals such as alumino-silicates (Section 4.2), and included the following waste rock lithologies or sample types:
  - Whale Tail Pit: two (2) basalts south, four (4) chert central, two (2) greywacke central, two (2) greywacke north, one (1) greywacke south, and one (1) komatiite south waste rock and ore samples; and two (2) charge material samples used in the construction of the iron formation and komatiite field cell tests; and,
  - Underground: one (1) greywacke central and one (1) greywacke north waste rock samples.
- Two (2) samples of iron formation and one (1) sample of komatiite waste rock and ore from the Whale Tail Pit were observed by Qualitative SEM, preceded by optical mineralogy (both completed at URSTM located at UQAT) to assist in the identification of major mineral phases prior to SEM observation. SEM focussed on identifying arsenic-bearing mineral phases and mapping arsenic content in the different mineral phases. Unlike XRD, this is not a quantitative mineralogical assessment. Samples were selected based on their elevated leachable arsenic content relative to (lower) total arsenic content.
- Five (5) waste rock samples were analyzed by QEMSCAN, which utilizes SEM imaging combined with energy-dispersive X-ray spectroscopy (EDS) and back scattered electron (BSE) signal intensity detectors. The EDS and BSE readings are compared to a mineral species identification database to provide quantitative mineralogical analysis. Samples were selected based on their elevated leachable arsenic content relative to (lower) total arsenic content, and included the following waste rock lithologies:
  - IVR Pit: one (1) basalt north and one (1) komatiite south samples;
  - Whale Tail Pit: two (2) greywacke north samples; and,
  - Underground: one (1) komatiite north sample.

2.3.2 Chemical Composition of Solids

The chemical composition of all solid materials was determined through whole rock and trace element analysis to determine the content of major rock forming elements and trace metals, respectively. This information is used to assess the variation in chemical composition by lithology, and to identify constituents of potential environmental concern with respect to leachability. Trace metal results are compared to typical elemental abundances in continental crust (Price 1997). The following components were included in the chemical analyses:

- Metals and metalloids (namely arsenic and selenium) by ICP-MS, with samples extracted using an aqua regia digestion. The digestion of the solids is not complete but does provide a better insight into the parameters that may be environmentally available within each sample.
- Mercury by cold vapour atomic absorption spectroscopy (CVAAS), EPA245.1 methodology.
- Whole rock analysis for major metals by borate fusion / XRF.

2.3.3 Potential for Acid Rock Drainage

The potential for geological material to oxidize and generate acidic drainage was evaluated through ABA which is a combined measurement of sulphur species, carbon species and pH, and subsequent calculations to determine the balance of acid potential and neutralization potential. This methodology was conducted following the Modified Sobek method (MEND 2009) and included determination of the following parameters.

- Paste pH.
- Total sulphur by LECO furnace (ASTM E 1915 method).
- Sulphate sulphur by acid digestion and sulphide sulphur by difference from the total sulphur content.
- Carbon species:
  - total carbon (TC as %C) measured by combustion furnace (LECO);
  - carbonate measured by pyrolysis roast followed by LECO furnace (as %CO3); and,
  - graphitic carbon (as %C) by LECO furnace.
- NP, analysed according to the 1996 Modified Sobek NP Procedure, is calculated from the amount of base consumed to neutralize (to pH 8.3) the acid remaining from the acid-digested sample at room temperature. This value represents the bulk NP of the sample, including contributions from carbonate minerals and some reactive aluminosilicate minerals, where present.
- Values of AP, NP and CaNP are reported as kg equivalent calcium carbonate (CaCO3) per tonne (t) of rock.

As part of a focused study on the Whale Tail pit north greywacke, and to maximize the number of samples analyzed and achieve a faster turnaround time than is provided by the commercial laboratory, a subset of 36 samples were analyzed at the Meadowbank assay laboratory for total sulphur (% S) and total carbon (%C) by LECO furnace. Of these, 23 samples were analyzed for the full suite of ABA analyses at SGS while the other samples have data limited to total S and C. Notwithstanding the limited data, these parameters were used to calculate acid potential (AP) and carbonate neutralization potential (CaNP), respectively, as described in further detail below. The Meadowbank assay laboratory has been evaluating waste rock throughout operations at the Meadowbank Mine with a robust QA/QC program including a subset of samples sent to an off-site laboratory for analysis (Agnico Eagle internal documents).

A subset of waste rock samples and the tailings sample were subjected to sequential NAG tests (AMIRA 2002) to provide additional information on the ARD potential of samples. This test is described in Section 2.3.3.3.

2.3.3.1 Neutralization Potential (NP)

NP is a bulk measurement of the acid-buffering capacity of a sample provided by various minerals of different reactivities and effective neutralization capacity. Neutralization potential was evaluated using three different analytical techniques:

1996 Modified Sobek NP Procedure: Represents the bulk NP of the sample, including contributions from carbonate minerals and some reactive aluminosilicate minerals, where present. It is calculated from the amount of base consumed to neutralize (to pH 8.3) the acid remaining from the acid-digested sample at room temperature. This method would account for lime added in the metallurgical process (Section 1.3.3).

1996 Modified Sobek NP with Siderite Correction: Mineralogical analysis has indicated the presence of siderite ($FeCO_3$) and ankerite ($CaFe(CO_3)_2$) as a form of carbonate minerals in three of 16 samples (Section 5.1). Because the presence of metal carbonates can result in an overestimation of NP, the modified Sobek NP analysis was performed using a peroxide correction for siderite (Skousen et al. 1997) on most samples as part of ABA analysis.

Carbonate NP (CaNP): Represents the NP available from calcite, dolomite, and other carbonate minerals only. This also includes siderite, ankerite and any other divalent metal carbonates, as well as graphite, all of which provide less to no net neutralization compared with calcite and dolomite. Carbonate NP (CaNP) was calculated from carbonate (%CO3) as follows:

- Graphite (as %C) was converted to carbonate equivalent (as %CO3) by multiplying by 5 (conversion for molecular weight); and,
- Carbonate was calculated as measured carbonate (%CO3) minus graphite (%CO3), where graphite was detected.

2.3.3.2 Acid Potential (AP)

Acid Potential (AP): A measure of the total potential acidity of a sample assuming that all sulphur is in the form of available pyrite. For waste rock and ore, AP is calculated from the total sulphur content of the samples (rather than sulphide content) on the basis that there are no sulphate minerals present in any lithologies based on the geology of the deposit, and low sulphate content reported by ABA.

For tailings, overburden, and lake sediment samples, AP was determined based on the sulphide content (the difference between total sulphur and sulphate sulphur) because these materials have been exposed to oxidizing conditions and can contain secondary sulphate phases that would not generate acid.

Values of AP, NP and CaNP are reported as kg equivalent calcium carbonate per tonne of rock.

2.3.3.3 Net Acid Generation (NAG) Test

Single addition and sequential NAG tests are used in combination with ABA to assess the ARD potential of a sample. The NAG test (Amira 2002) uses hydrogen peroxide to induce complete oxidation of sulphide minerals, with the sulfuric acid (H_2SO_4) produced being buffered concurrently by any available neutralizing minerals in the sample. The pH of the oxidized solution is measured after the completion of the reaction to determine the NAG pH. Unlike ABA results, NAG tests do not provide an estimate of NP relative to AP, but rather indicate the net effect of sulphide oxidation and buffering reactions within a sample.

NAG tests were conducted according to the method recommended by AMIRA (2002) using hydrogen peroxide at a 10:1 liquid to solid ratio to determine the acid generation potential under highly oxidizing conditions. Sequential NAG tests were conducted on 38 samples of waste rock and ore, and on one (1) tailing sample (RE-13872/RE-13874). Single addition NAG tests were conducted on six (6) waste rock samples, including one (1) chert, one (1) south greywacke, one (1) north greywacke and three (3) central greywacke samples. Waste rock samples were selected

for NAG pH testing based on their low carbonate neutralization potential ratio (CaNP/AP, referred to herein as CaNPR) and neutralization potential ratio (NP/AP, referred to herein as NPR) values, generally on samples having an uncertain ARD potential (CaNPR between 1 and 2 or conflicting results between CaNPR and NPR), as well as on some potentially acid generating (PAG) samples.

The sequential NAG test is completed in multiple repeated sequences, where one sequence constitutes the single addition NAG test, by the addition of hydrogen peroxide to the solid residue of the previous test. Sequential NAG tests are continued until no further reaction is observed and the filtered NAG liquor has a pH > 4.5. Of note, this test may not successfully oxidize all sulphide sulphur into sulphate under certain circumstances (such as, but not limited to, too much sulphur or the presence of carbonates, iron and copper, and organic material). To monitor for this situation, the total amount of sulphate captured over the four sequences of leaching during the NAG test, as well as the sulphate captured from the single addition test, was calculated and compared against the total sulphur content of the sample measured in the ABA test.

When the NAG test is successful (when all the sulphide is oxidized to sulphate), it can be used to define the ARD potential of samples considered uncertain by the ABA method (having a CaNPR between 1 and 2 and those containing low AP and low NP). The chemical analysis of NAG leachate is described in Section 2.3.4.1.

2.3.3.4 ARD Screening Criteria

The ABA results were compared to Canadian guidelines outlined in MEND (2009). The suggested screening criteria for inferring ARD potential are summarized in Table 5. For this study, samples are classified as PAG or Uncertain following MEND (2009) but are grouped in discussions of waste management as they will be handled together (Section 1.4).

Table 5: Acid-Base Accounting Screening Criteria

Potential for ARD	Initial Screening Criteria		Description
	Waste Rock	Tailings	
Likely (PAG)	CaNPR < 1	NPR < 1	Likely to generate acidity, unless sulphide minerals are non-reactive
Uncertain	1≤ CaNPR	NPR <2	Neither clearly acid-generating nor acid consuming
None (NPAG)	CaNPR ≥ 2	NPR ≥ 2	Acid consuming, low acid generating potential

Note: Based on MEND (2009), using CaNPR (waste rock; Section 4.2.2) or NPR (tailings; Section 5.1)

For this study the CaNPR was used to quantify the reactive carbonate buffering capacity in the sample for sediment, overburden, waste rock and ore. CaNPR excludes the less reactive silicate minerals as well as graphitic carbon (Section 4.2.2). Although CaNP includes metal carbonates such as siderite and ankerite, the strong correlation between CaNP and siderite corrected NP indicates that the contribution of metal carbonates to the CaNP is negligible. For tailings, considering the assumption outlined in Section 2.2 that the addition of hydrated lime and potential generation of sulphate occurs in the metallurgical process, the titrated alkalinity defined in the modified Sobek NP (Section 2.3.3.1) was used to represent the bulk neutralization potential in order to capture the contribution of lime to buffering capacity; in addition, sulphide sulphur was used to calculate AP for accurate interpretation of ABA for all tailings samples.

Results of NAG pH tests were compared to the criteria presented in Table 6.

Table 6: Net Acid Generation Criteria (AMIRA, 2002)

NAG pH	NAG Acidity (to pH 7) kg H2SO4/t[1]	Potential for Acid Generation
≥ 4.5	0	Non-acid generating
< 4.5	≤ 5 [2]	Potentially acid generating lower capacity ARD [3]
< 4.5	> 5 [2]	Potentially acid generating

Notes:
[1] Units as kg sulfuric acid (H_2SO_4)/t.
[2] The NAG criteria used may vary from site to site with a cut-off up to 10 kg H_2SO_4/t (AMIRA, 2002).
[3] Describes materials that may be amenable to treatment with lime or blending with non-acid generating or acid consuming material (AMIRA, 2002).

2.3.4 Leaching Tests

Leaching tests are used to assess the potential of waste rock to release readily-soluble constituents to the receiving environment by simulating interaction between water and solids. The leach tests completed in this study are outlined in Table 7 and discussed hereafter.

Table 7: Summary of Leaching Tests

Test Type	Test Method	Location	Number of Samples[1]
Short-Term Leach Test	Shake Flask Extraction	Laboratory	379
	NAG Leachate	Laboratory	45
Long-Term Leach Test	Humidity Cell Tests	Laboratory	23
	Submerged Large Column	Laboratory	1
	Subaerial Large Column	Laboratory	8
	Field Cells	Site	2

Note: [1] The status of ongoing, on-hold and completed tests can be found in Table 8.

Short-term leach tests are an initial screening tool in the identification of potential constituents of concern at neutral pH (outside of the potential for acid generation), in view of mine site water management and potential water treatment requirements (Section 1.3.6). However, these test methods do not consider the kinetics of weathering reactions. To this end, both humidity cell tests (1-kg) and leaching column (ranging in volume from 8- to approximately 40-kg) kinetic tests were initiated on a select subset of samples to provide a more representative assessment of likely chemical release rates in a controlled laboratory setting. Subaerial and submerged column tests were conducted to simulate exposed and subaqueous conditions respectively.

Furthermore, to investigate the effect of field conditions (climate, hydrology) on the weathering behaviour of materials in the field, two (2) field cells were constructed near Whale Tail Lake on the Amaruq property.

The details on all static and kinetic laboratory and field leach tests are provided in Sections 2.3.4.1 and 2.3.4.2, respectively.

2.3.4.1 Short-Term Leaching Tests

Shake Flask Extraction – SFE

Samples were subjected to short-term leach tests using a modified version of SFE (SFE, Modified ASTM D3987). Crushed samples (<9.5 mm; reject samples are <2mm) of waste rock and ore were mixed with distilled water (4:1 solution to solid ratio), placed in a flask, and shaken for 24 hours using a variable speed shaker table. Leachate was collected from a pump through a 0.45-mm filter and analyzed for pH, sulphate, chloride and dissolved metals. Tailings, overburden, lake sediments and esker materials were tested at the grain size received (not crushed).

NAG Leachate Analysis

Following the NAG pH test (both single addition and sequential), whereby the addition of hydrogen peroxide is reacted with a sample to induce complete oxidation of sulphide minerals (as described in Section 2.3.3.1), the resultant test leachate was analyzed for pH, sulphate, chloride and dissolved metals (Amira 2002). NAG leachate chemical composition can be used to assess the total metal load that would be generated upon complete oxidation of sulphide minerals and consumption of buffering capacity, and to compare the rate of release of metals in kinetic leaching tests. In this study, NAG leachate analysis was conducted to assess metal leaching potential under terminal acidic conditions in support of identification of potential constituents of concern (Section 1.3.6).

2.3.4.2 Kinetic Leaching Tests

Kinetic leaching tests are a repetitive leach test meant to simulate accelerated weathering conditions on a specific charge material (e.g., waste rock, tailings, etc.) by promoting sulphide mineral oxidation and dissolution of acid buffering minerals over the duration of the testing period. They are being carried out on different quantities of charge material to verify the effect of scale and water contact on the rate of chemical releases; including twenty-three (23) 1-kg HCTs of waste rock, ore and tailings, eight (8) 12- to 60-kg subaerial LCs of waste rock and ore, one (1) 40-kg submerged leach column of waste rock, and two (2) field cells (335-kg and 250-kg) of waste rock and ore.

As noted in Section 1.1.2, the lithology of each sample in the geochemical database is assigned based on the block model designation presented in the mine plan (Agnico Eagle, 2018f), rather than the rock type noted in the borehole logs. This approach accounts for the geological interpretation of the deposit in the block model and reflects the potential for heterogeneity of each mined “block” during operations. Since the program began in 2015, the block model has been reinterpreted and some samples, which were previously collected to represent a single block model lithology, are now interpreted to include two or more lithologies; for these samples the lithology is referred to as “composite” in the geochemical database.

Consequently, some of the kinetic test samples previously targeting a specific lithology are now representative of two or more lithologies. These changes are indicated in Table 16 (HCT) and Table 17 (LCs and FCs), with previous rock type and current rock type designated by the block model noted. Thus, some of the kinetic test target lithologies are interpreted to be composed of a predominantly different lithology than initially indicated; similarly, one HCT sample initially targeted to comprise composite ore (two ore samples) is now interpreted to consist of both ore and waste rock (see Table 19, AMQ-ENV15-089 and 076).

Leachate analysis of all kinetic leaching tests include the following suite of parameters, with modifications detailed in following sections as applicable:

- volume of leachate recovered, pH, conductivity, alkalinity, acidity, sulphate, and calcium;
- chloride, fluoride, dissolved Ag, Al, Sb, As, Ba, Be, Bi, B, Cd, Cr, Co, Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Se, Sn, Sr, Th, Ti, U, V, Zn; and,
- tailings only: bromide, chromium VI, cyanide (total and WAD), cyanate (CNO) and thiocyanate (CNS), total ammonia (NH_3+NH_4 as N), nitrate (NO_3 as N), and nitrite (NO_2 as N).

2.3.4.2.1 Humidity Cell Test Method (HCTs)

To date, a total of twenty-three (23) HCTs have been conducted with sample selection rationale discussed in Section 5.7.1 and sample details presented in Table 19. Table 8 provides a summary of all HCTs.

The HCT method is based on the standard method ASTM D5744 (ASTM, 2013) where a 1-kg sub sample of crushed (<9.5 mm) waste rock, ore or tailings (as-is) is placed in a cylindrical vessel and subjected to a seven-day cycle of leaching, which includes three days of dry air circulation followed by three days of humid air circulation, and a subsequent flushing with 1 litre (L) of distilled water (1:1 liquid to solid ratio by weight) on the seventh day. Approximately 1 L of

leachate was collected each week for analysis of short- and long-suite groups of parameters, for a total test duration of up to 120 weeks.

Results from HCTs are used to assess the oxidation rate and the release rates of chemical constituents from mine wastes upon exposure to water under laboratory conditions. These leachates and release rates may not be direct analogues of expected water quality because the testing does not consider the scale (size, shape) of the mine waste infrastructure, nor the effect of climate (moisture content, temperature) on drainage quality, freshet conditions and frozen winter conditions.

One HCT sample was completed in duplicate to evaluate the potential effects of saline water on the weathering rates of waste rock from underground. The duplicate sample was soaked in a saline solution (20%) for 24 hours and allowed to drain prior to the initiation of the HCT test. It subsequently followed the protocol to its duplicate sample, as described above. The saline solution was made from drilling salt that is currently utilized at Meliadine (0.1 %) to evaluate potential effects from maximum salinity concentration that could occur during underground development.

Tests were terminated based on Agnico and Golder consensus that test objectives had been achieved.

Table 8: Summary of Humidity Cell Tests in Chronological Order by Start Date

Test Start Date	Test Identification	Status	Last Leach Cycle Analyzed[1]	Target Rock Type (Code)
April 8, 2015	RE-13872/RE-13874	Terminated	44	Tailings
September 2, 2015	AMQ-ENV-32	Terminated	45	Komatiite North (V4A-Oa)
	AMQ-ENV-43	Terminated	45	Komatiite North (V4A-Oa)
	AMQ-ENV-37	Terminated	45	Greywacke Central (S3C)
	AMQ-ENV-18	Terminated	45	Greywacke Central (S3C)
	AMQ-ENV-28	Terminated	24	Greywacke Central (S3C)
	AMQ-ENV-40	Ongoing	160	Chert Central (S10)
	AMQ-ENV-114	Terminated	45	Diorite South (I2S)
September 29, 2015	AMQ-ENV15-089 and 076	Terminated	89	S9E and 0b / ore
December 15, 2015	AMQ-ENV-118	Terminated	44	Basalts South (V3S)
January 19, 2016	AMQ-ENV15-133	Terminated	73	S10 and S3C
	AMQ-ENV15-144	Terminated	73	S9E and S10
December 14, 2016	EN-037469	Ongoing	92	Tailings
January 31, 2018	AMQ-ENV17-25	Ongoing	36	Greywacke South (S3S)
	AMQ-ENV15-065	Ongoing	36	Greywacke Central (S3C)
	AMQ-ENV15-054	Ongoing	36	Chert Central (S10)
	AMQ-ENV16-47	Ongoing	36	Greywacke North (S3N)
	AMQ-ENV16-49	Ongoing	36	Greywacke North (S3N)
	AMQ-ENV15-068	Ongoing	36	Komatiite North (V4A-Oa)
	AMQ-ENV15-120	Ongoing	36	Greywacke Central (S3C)
	AMQ-ENV15-120 (duplicate saline)	Ongoing	36	Greywacke Central (S3C); duplicate saline
	AMQ-ENV17-44	Ongoing	36	Komatiite South (V4A-Ob)
	AMQ-ENV16-53	Ongoing	36	Basalts North (V3N)

Note: [1] Leach cycle begins at week “0”, therefore time elapsed by unit weeks equals leach cycle + one additional week.

2.3.4.2.2 Large Column (LC) Leaching Tests

Larger scale kinetic weathering tests consisting of LCs are being carried out on bulk lithological samples to measure the effects of accelerated wetting and drying on sulphide mineral oxidation and chemical leaching rates from a larger quantity of material for a given lithology. The LC test uses a lower leaching water to solid ratio than the 1-kg HCT tests and thus provides a closer approximation of likely contact water quality under field conditions at the Project site than the smaller scale tests HCT.

Three types of LC tests have been initiated including subaerial LCs for waste rock and ore (Columns C-1, C-2, C-3, C-4, C-5, C-6, C-7, C-9), submerged LCs for waste rock and ore (Column C-8). The LC test sample selection rationale is described in Section 4.7.1 and tested samples are summarized in Table 9. A detailed composition of each column including sample identification and percentage rock type by mass is provided in Appendix C.

Table 9: Summary of Large Column Test Specifications

Test Method	Test ID	Status[1]	Test Start Date	Target Material	Predominant Rock Types by Mass (%)[2]	Column Design	Approximate Weight of Charge Material
Subaerial Large Columns	C-1	Terminated	30-Sep-15	Komatiite North	75% V4A-0a 25% S9E-S9D	PVC columns of 91 cm height by 25 cm diameter	40 kg
	C-2	Terminated		Iron Formation	71% S9E 18% V4A-0a		
	C-3	Terminated		Greywacke Central	56% S3C 44% S10		
	C-4	Ongoing		Greywacke Central/South	43% S3C 38% S3S		60 kg
	C-5	Terminated	9-Oct-2015	Komatiite South	60% V4A-0b 20% V3-1b	PVC columns of 91 cm height by 20 cm diameter	26 kg
	C-6	Ongoing		Chert Central	58% S10 17% S3C 17% V4A-0b		29 kg
	C-7	Terminated	6-Jan-2016	Basalts South	86% V3-1b 14% V4A-0b		20 kg
	C-9	Ongoing	21-Dec-2016	Greywacke North	67% S3N 33% V4A-0a	PVC column of 60 cm height by 15 cm diameter	12 kg
Submerged Large Column	C-8	Terminated	13-Jan-2016	Komatiite South and Iron Formation	35% V4A-0a / 14% V4A-0b / 37% S9E-S9D	PVC pipe of 91 cm height by 34 cm diameter	40 kg

Note: [1] Tests were terminated based on objectives having been achieved.

[2] Predominant rock type is considered percentages greater than 80%; see Appendix C-2 for details on composition of LC by sample rock type where percentage does not sum to 100%.

Subaerial Large Column Tests

The charge material for the eight (8) subaerial LCs consists of crushed (<9.5 mm) waste rock samples left over from the static testing program (Figure 2) with known chemical characteristics (Appendix C-2). Rock samples of similar lithologies were mixed together prior to charging the columns. The mass of the charge material used in each column was defined by the amount of static test reject rock available for use. An equal mass of sample was used to make up each composite to avoid biasing the charge material with any one particular sample. The crushed rock material was placed in PVC columns of 91 cm height by 25 cm diameter for columns C-1 to C 4, and 20 cm diameter for columns C-5 to C-7 and C-9.



Figure 2: Large Column Laboratory Set-up (*left)* and Typical Grain Size (< 9.5 mm) of the Charge Material (*right)*

The columns are trickle leached (slow rain-like precipitation of water at the top) on a weekly basis with laboratory grade de-ionized water at a 10:1 solid to liquid ratio (i.e., the 20 kg column is leached with 2 litres of water). The solid to liquid ratio was selected in order to approximate the monthly precipitation in the Project region.

A valve is fitted at the bottom of the columns to release leachate. Unlike the standard HCT, the leaching columns were not subjected to 3 days of dry air circulation and 3 days of humid air circulation between weekly leaching cycles. Leachate was collected on the seventh day for analysis following the same analytical suite and schedule as described for the HCTs above.

For three cycles, the amount of distilled water added to each column was decreased to 750 ml, starting in week 20 (C1, C2, C3, C4), week 16 (C5, C6) and week 6 (C7). This was followed by a larger flush volume to a 5:1 solid to liquid ratio, in which sufficient water was added to each column so that the charge material was completely submerged. This was done to simulate dry summer conditions followed by intense rain fall conditions. After this, the regular 10:1 solid to liquid ratio continued. Results from this process are used to assess the effect of varying the infiltrated water volume on waste rock leachate quality.

Submerged Large Column Test (Waste Rock)

A submerged LC (Column 8) was initiated on January 13th, 2016. The column is a bulk sample of the lithologies identified during static leaching tests as having high leachable arsenic concentrations; namely, komatiite north and south (0a and 0b) and iron formation (S9E). These units will be exposed in the pit wall and in the open pit lake. The objective of the test was to assess the chemical load that may report from these lithologies in fully flooded conditions, simulating the exposure of the open pit wall in the flooded pit lake in post-closure.

The charge material consists of sample reject left over from the static testing program and includes samples from the komatiite (0a and 0b) and iron formation lithologies (sample selection rationale provided in Table 20). All material is crushed to the same size as the subaerial columns (<9.5mm). A total of 46 equal-weighted samples were used to charge the submerged column from the komatiite north (16 samples), komatiite south (10 samples), and the iron formation (17 samples) units.

The charge material was placed in a custom-built leaching column consisting of a PVC pipe (91 cm high by 34 cm diameter) that is closed with a valve at the bottom and open at the top. Approximately 40 kg of charge material was placed in the column. Three water-sampling ports were installed at specific depths above and below the water/rock interface: two locations within the waste rock charge material and one location above it in the water column (Figure 3). Port 1 is located 5 cm below the water/rock interface and is sampled using a porous cup (Figure 3). Port 2 is located 5 cm above the water/rock interface and in the water column, while Port 3 is located 25 cm above the water rock

interface. The column was filled with distilled water so that the height of the water (61cm) within the column was over twice the height of the charge material (28 cm).

The water sample collection process for Port 2 and Port 3 requires the use of a small pump attached to the port to collect the pre-determined volume of water. Once both the charge material and distilled water was added, the submerged column was left for 24 hrs before the initial sampling event was initiated. Sample collection from each port occurs on days 1, 3, 6, 10, 15, 20, 27, 35 (week 5), 49 (week 7), 70 (week 10), 105 (week 15) and 140 (week 20).

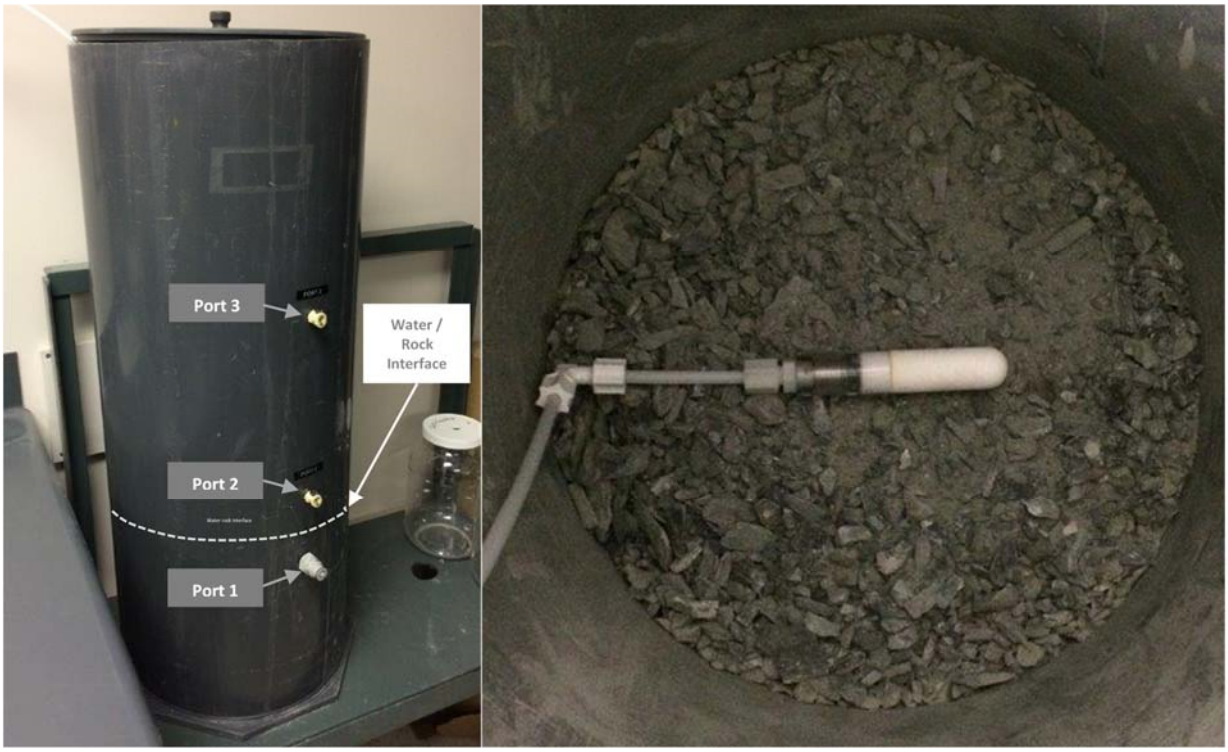


Figure 3: Submerged Large Column with Three Sampling Ports (*left)* and the Port 1 Porous Cup Sampler (*right*)

2.3.4.2.3 Field Cells

Two (2) FCs were constructed in August 2016 to evaluate arsenic leaching from waste rock under site conditions. Details on sample selection rationale for the FCs is provided in Table 20; and a detailed composition of each field cell including sample identification and percentage rock type by mass is provided in Appendix C-3. The two field cells were initially composed of samples to target ultramafic, i.e. komatiite (sample UM FC) and iron formation (sample IF FC) rock types. The resultant composition (Appendix C-3) based on the revised block model interpretation since the initiation of the field cells (Section 1.2.2) is as follows:

- UM FC – 41% north komatiite, 15% south komatiite, 34% iron formation, and 10% south basalt
- IF FC –71% iron formation, 19% north komatiite, and 10% iron formation/chert/south komatiite

The cells were constructed using 50-gallon plastic drums and rock collected from crushed exploration drill core at the Exploration Camp and placed adjacent to the Westbay shack and Whale Tail Lake (Figure 4). The komatiite field cell sample ID is “UM FC” and the iron formation field cell is “IF FC”; the field cells will be referred to as such throughout this report.



Figure 4: Field cell set-up adjacent to Westbay shack and Whale Tail Lake

The objective of the FC tests was to evaluate the effects of field conditions on the arsenic leaching potential of iron formation and komatiite waste rock, which have been found to contain consistently high total and leachable arsenic content by static geochemical testing (Sections 4.5 and 4.6, respectively). The design of FC testing serves to assess the effects of field weathering conditions and a wider grain size distribution on chemical loading rates from the charge material. Results can be used to extrapolate laboratory results to provide more realistic, field-specific chemical loading rates to mine contact water. To obtain variability in grain size, half of the core was crushed to <9 passing and the other half is split drill core broken into smaller pieces by hand (Table 5). Fine dust was removed from the sample to avoid clogging the geomembrane filters installed inside the field cells. Note that during 2017 leaching and monitoring, the IF FC became clogged with a buildup of fine sediments and was reconstructed in a new drum with a more robust filter system including a sand filter (Section 2.4); with charge material transferred carefully between the two drums. The UM FC was not reconstructed with the same filter system as it drains freely.



Figure 5: Variation in Grain Size in Field Cells

After construction of the field cells, an “initial wash” was completed (referred to as Cycle 0) using 10 gallons (37.9 litres) of A53 lake water. This high volume of water was used for the initial wash because of high proportion of fines associated with the crushed material and consequent high water retention. Water was added to the cells on 15 August 2016 and allowed to drain overnight into a receptacle prior to sampling on 16 August 2016.

The objective for annual monitoring was to target freshet melt water (e.g. June), summer conditions (e.g. July and/or August), and before freezing prevents the leaching of water through the cells (e.g. September and/or October). When insufficient rainfall had occurred for sample collection, the FCs were force leached using water collected from Whale Tail Lake (observed in Figure 4). Force-leaching was conducted for the August 2016 and, September 2017, and October 2017 sampling events, where the minimum volume of lake water required to generate a sufficient quantity for analysis of all the chemical parameters (Section 2.3.4.2). Chemical analysis of Whale Tail Lake water (Appendix D) indicates this water reports neutral pH, low alkalinity, and very low conductivity which is related to very low chemical constituent content, and thus is suitable for this use when required.

To date, the cells have been sampled on five occasions including 16 August 2016, 28 September 2016, 13 June 2017, 12 September 2017, and 2 October 2017.

2.3.4.3 Laboratory Leach Testing Time Equivalency

The 1-kg HCT is an accelerated weathering test meant to speed up the process of sulphide mineral oxidation to facilitate the measurement of weathering and its products on a shorter time scale than might occur in reality. This is achieved by forcing a rapid succession of alternating wet and dry cycles, and by actively flushing out the weathering products through the use of a high liquid to solid ratio (1:1 water to rock proportion by weight). The HCT test method (ASTM D 5744-07), is typically observed to be many times faster than rates inferred from field observations of drainage from the toe of waste rock piles (e.g., Malstrom et al., 2000).

In practice, many factors will influence weathering characteristics of the exposed mined materials and the rate of chemical release at site. Of importance are site climate and pile hydrology which affect the water to solid contact and the rate of chemical reactions. Accordingly, temperature and physical properties are accounted for in the application of scale factors in the development of model source terms (Golder 2018).

The Whale Tail and IVR waste rock will be piled and will be exposed to far less precipitation than both HCT and leaching columns. The average annual rainfall is 145 mm over 4 frost-free months (average of 36 mm/month), while each of the HCTs receive the equivalent of 127mm/week (508 mm/month), and the leaching columns receive the equivalent of between 63 and 122 mm/week (254 and 488 mm/month). Each weekly cycle represents more flushing than one average summer month at site. Thus conservatively, one leaching cycle can be said to represent 1 month of leaching at site. Comparatively, a 10-fold weathering rate acceleration (estimated from findings in Malstrom et al., 2000) would equate to 1 weekly leach cycle representing 2.5 months of weathering in the field.

In addition, as observed at Meadowbank, freezing conditions prevail for 8 months of the year in the surficial active thaw depth of the rock storage facility. The deeper portion of the pile remains frozen. The frozen winter conditions are not represented in laboratory leaching cycles. Laboratory tests simulate frost-free periods only (the four summer months). Consequently, 4 leaching cycles can be considered to represent the four months of active water ingress into the waste rock pile, or one year at site, insofar as 4 months in the field constitutes the frost-free summer period where water can seep through the waste rock pile. By extension, a 20-cycle kinetic test would represent approximately 5 years at site.

2.4 Quality Control / Quality Assurance Program

The objective of a quality assurance/quality control (QA/QC) program is to assess sample representativeness and defensibility of reported results based on the analytical precision achieved during the study. The methods and results of the QA/QC program are provided in Appendix D.

3.0 RESULTS FOR WHALE TAIL PIT OVERBURDEN AND LAKE SEDIMENT

Tabulated static test results and figures are presented in Appendix E. Laboratory analytical results are included in Appendix J. Samples represent overburden from within the Whale Tail Pit footprint and sediment from Whale Tail Lake (North Basin). Overburden samples are reported separately for surface overburden samples (maximum 1 m depth) and deep overburden (maximum depth of 8.1 metres below ground surface.

3.1 Acid Generation Potential

The results of ABA testing are tabulated in Appendix E-1 and illustrated in Appendix Figures E-1 to E-17. Presented with the data are results of statistical analyses and the calculated bulk characteristics for each lithological group, including the sum of CaNP and AP and the bulk CaNPR (sum CaNP / sum AP) from all sample types. A summary of the ARD potential for all overburden and lake sediments is provided in Table 10.

Table 10: ARD Potential for Overburden and Lake Sediments

Material Type	Total Sample Count	Average Sulphide (wt.%)	Average Carbonate (wt %)	Bulk ARD Designation
Lake Sediments	5	0.048	0.028	NPAG
Surface Overburden	12	<0.010	0.029	NPAG
Deep Overburden	14	<0.020	0.10	NPAG

In lake sediment samples the sulphide sulphur concentrations range from 0.03 to 0.07 wt% and the carbonate buffering capacity is below the detection limit in four of five samples. The CaNPR values indicate that all lake sediment samples are PAG; however, results indicate that this material has likely already reacted, and any acidity produced would be short-term, if any. Therefore, lake sediments are considered to be NPAG. Paste pH was not analyzed on lake sediment samples.

In the overburden samples sulphide sulphur concentrations are all below or equal to the detection limit. The carbonate buffering capacity is low to below detection limits in most samples. Paste pH values of the overburden samples are circumneutral, ranging from 6.2 to 8.5 and 7.0 to 9.5, respectively, corroborating the low amount of buffering capacity in some of the samples. Despite their lack of buffering capacity, the overburden samples are NPAG given their very low sulphide content.

3.2 Chemical Composition

The chemical composition of samples by whole rock and trace elemental analyses is tabulated in Appendix E-2 and E-3, respectively. Summary statistics are provided for each sample type, including: minimum, maximum, average, median, 75th percentile and standard deviation. Results are summarized in Table 11.

Major whole rock constituents are similar for the overburden and the lake sediments and include silica, aluminum and iron. Minor whole rock constituents include calcium, magnesium, potassium and sodium.

Trace elemental concentrations greater than five times typical elemental abundances in continental crust (Price 1997) are considered enriched. Arsenic, bismuth and selenium are enriched in all lake sediment samples compared to typical crustal abundance, while manganese and molybdenum are enriched in 3 of 5 samples (Table 11). The lake sediments have substantially enriched total arsenic concentrations compared to typical crustal abundance (568 to 1760 mg/kg), which are higher than the observed average waste rock concentrations (Table 11).

In the surface overburden samples, bismuth is enriched in all samples, while molybdenum is enriched in 4 of 12 samples (Table 11). In the deep overburden samples, arsenic, bismuth, chromium, copper, and molybdenum while enriched, are enriched in less than half of all samples (Table 11). Enrichment of silver in deep overburden samples is observed in 12 of 14 samples, with results confirmed by a re-assay by SGS. Two samples from an adjacent interval in the same borehole (AMQ17-1254 CR-02 and CR-03) with silver concentrations of 380 and 170 ug/g, respectively, are considered anomalous values that are likely related to variability in the till material. Silver concentrations in short-term leachate analysis are also elevated (0.035 and 0.00084 mg/L, respectively) compared to silver in other overburden samples (maximum concentrations of 0.00010 mg/L) and to waste rock and ore (maximum value of 0.00076 mg/L in chert waste rock sample).

The total arsenic concentrations for surface and deep overburden samples range from 2.5 to 6.8 mg/kg, and 0.8 to 12 mg/kg, respectively.

Table 11: Compositional Enrichment in Overburden and Lake Sediment

Material Type	Sample Count	Parameter Concentrations Greater than Five Times Typical Crustal Abundance (Price 1997)
Lake Sediments	5	As (5), Bi (5), Mn (3), Mo (3), Se (5)
Surface Overburden	12	Bi (12), Mo (4)
Deep Overburden	14	Ag (12), As (3), Bi (6), Cr (2), Cu (1), Mo (1)

Note: Number in parenthesis represents the number of samples that are enriched relative to typical crustal abundance.

3.3 Metal Leaching Potential

Short-term leachate quality results for overburden and lake sediment samples are tabulated in Appendix E-3. Parameters with licensed effluent discharge limits (NWB 2AM-WTP1826) are presented in scatterplots of leachable versus solid-phase concentrations in Appendix Figures E-6 to E-15. Summary statistics are provided for each sample type, including: minimum, maximum, average, median, 75th percentile and standard deviation.

The average final pH values of the SFE leachates are acidic for the surface overburden (6.0) and lake sediment (5.0) samples attesting to the lack of available buffering capacity in these samples. The deep overburden samples have an average final pH of 8.4.

Aluminum and iron concentrations are considered elevated in both the surface and deep overburden. High concentrations of aluminum and iron in short-term leach tests are often an artefact of the test protocol itself resulting from vigorous shaking and passing of very fine aluminum-bearing colloids through the filter rather than an occurrence in true soluble form.

Total versus leachable arsenic for all overburden and lake sediment is illustrated in Figure 6. Lake sediments report higher leachable arsenic concentrations compared to overburden.

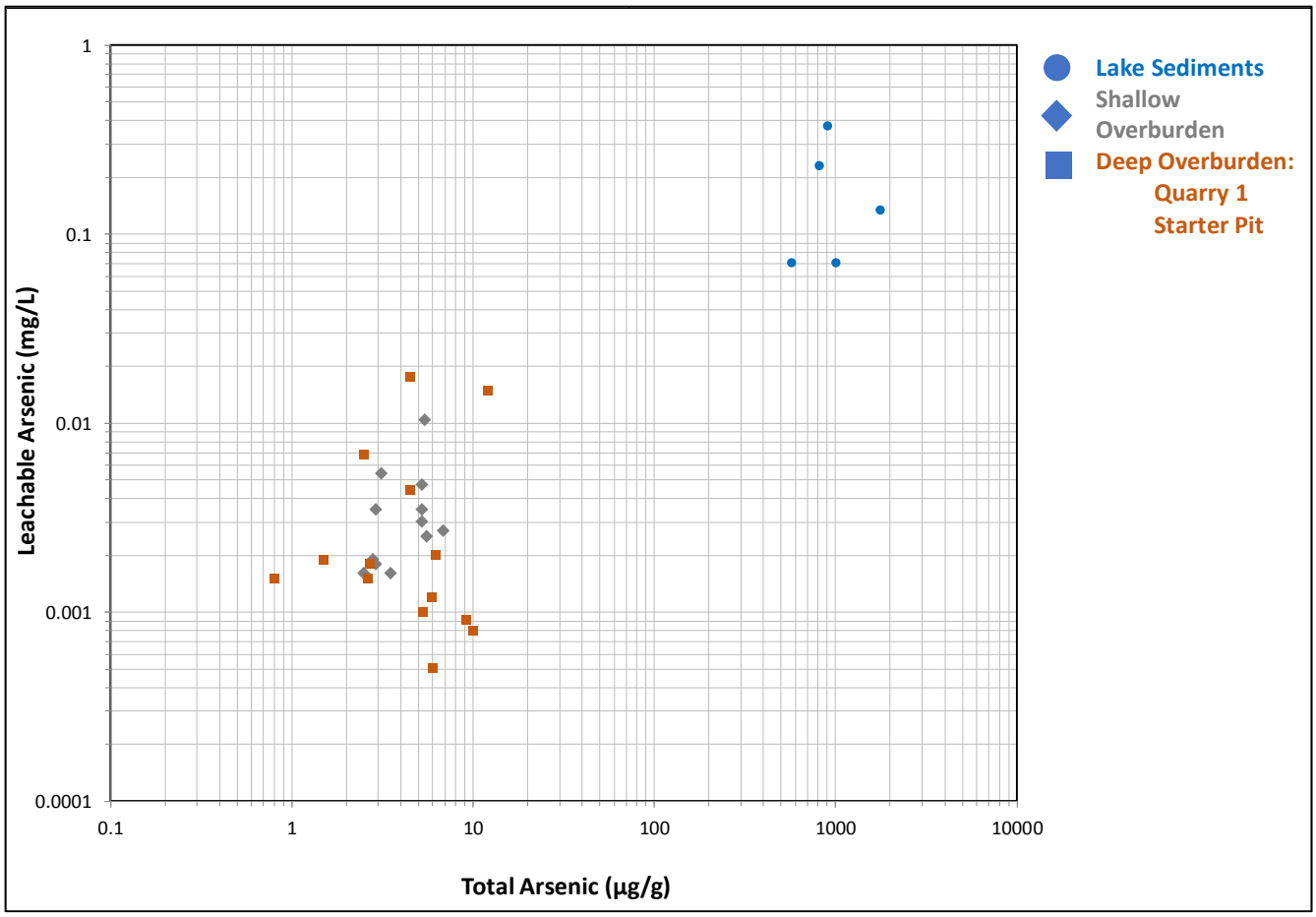


Figure 6: Total Arsenic vs Leachable Arsenic in Overburden and Lake Sediments

4.0 RESULTS FOR WASTE ROCK AND ORE

Tabulated static tables and figures for waste rock and ore are presented in Appendix F; and kinetic figures are presented in Appendix G. Laboratory analytical certificates for the static tests and kinetic tests are included in Appendices J and K, respectively.

For the purposes of data analysis, samples were sorted based on their location (i.e. Whale Tail Pit, Underground, and IVR Pit), and by lithological classification provided by Agnico Eagle, as described in Section 1.3.1. The discussion of results below focuses on the major rock type associated with each location and includes a comparison of observed trends for Whale Tail Pit, Underground and IVR Pit.

Trend analysis included identification of relationship between constituent pairs in scatterplots, and in some cases by correlation analysis. Correlation analysis was performed in Excel, producing a correlation coefficient R to evaluate the goodness of fit between two variables of a sample set along a linear trend line. The R value is the statistical evaluation of trend behavior between variables, ranging from 0 to +/- 1.0, where a value closer to +/- 1 indicates increasing strength of correlation. For the purposes of this study, an R threshold > +/- 0.5 for positive or negative correlation was assigned to define a moderate correlation of constituent pairs, in conjunction with evaluating the data trends in scatter plots per EPA (2000) guidance.

4.1 Mineralogical Analyses

Results are tabulated in Appendix F-1 (XRD), F-2a (QEMSCAN), and F-2b (SEM). The laboratory reports are included in Appendix J. Results are summarized below for each lithology.

XRD and QEMSCAN analyses focused on identifying minerals that contribute to acidification and buffering capacity to assist in the interpretation of the ARD potential, which is provided by ABA analysis in Section 4.2. In addition to qualitative mineral identification, QEMSCAN also includes an ARD classification using neutralization potential based on net NP carbonates (Ca-Mg carbonates only) and acid potential derived from Fe-sulphides (i.e. main sulphides that contribute to net acidity). Further, QEMSCAN evaluates the degree of exposure of the carbonate and sulphide minerals in the crushed samples and reports to proportion that are exposed and thus available for weathering reactions.

QEMSCAN and qualitative SEM were also used in support of arsenic leaching, to evaluate arsenic-bearing mineralogy at a higher resolution than can be obtained by XRD. SEM was conducted on two iron formation and one north komatiite samples to enable the mapping of arsenic content in different mineral phases.

Results grouped by samples of the same lithology are described hereafter.

Basalt (South and North)

Based on XRD analysis, two south basalt samples from Whale Tail Pit consist primarily (greater than 15 weight percent or wt%) of albite, chlorite, quartz, and biotite. Both samples contain calcite (6.1 and 7.2 wt%) and one sample contains ankerite (1.2 wt%). Sphalerite is the only sulphide observed, reporting a low concentration of 0.2 wt% in one sample only. The XRD analyses corroborate the NPAG classification according to ABA (Section 4.2) for these samples; with trace content of the sulphide mineral sphalerite and significant calcite.

QEMSCAN analysis of one north basalt sample from IVR Pit reports similar carbonate content, as calcite (5.0 wt%), ankerite (1.6 wt%) and dolomite (0.12 wt%); most carbonate minerals are exposed in both samples (69% are 80-100% exposed). The predominant sulphide mineral is pyrrhotite (3.7 wt%), with pentlandite, gersdorffite, pyrite, chalcopyrite, arsenopyrite and other unspecified sulphides reporting content less than 0.1 wt%; most sulphide minerals are exposed (79% are 80-100% exposed). This sample is classified as uncertain ARD both by ABA (CaNPR of 1.2) and mineralogical NPR (1.5). Arsenic sulphides include gersdorffite and arsenopyrite, which may attribute to the observed arsenic leaching from this sample in HCT leachate (Section 4.7.2.2).

Central Chert

XRD analysis of four central chert samples from Whale Tail Pit reports variable mineralogical content, consisting primarily (> 45 wt%) of quartz, with lesser (2-17%) albite, muscovite, biotite, and cummingtonite. All chert samples contain calcite (1.0 to 6.5 wt%), and one sample contains dolomite (0.1 wt%) with another sample containing trace siderite (0.3 wt%). Sulphide minerals include pyrrhotite (2.1 to 5.6 wt% in three samples) and pyrite (8.0 wt% in one samples). The XRD analyses corroborate with the results of ABA (Section 4.2) tests for these PAG samples based on CaNPR which ranges from 0.011 to 0.49.

Greywacke (South, Central and North)

XRD analysis was completed on greywacke samples from Whale Tail Pit (one south greywacke, two central greywacke and two north greywacke) and Underground (one north greywacke and one central greywacke). They consist primarily of quartz (29 to 33 wt%), albite (15 to 39 wt%), and muscovite (9.6 to 29 wt%), with lesser (<15 wt%) biotite and chlorite. These samples contain significant carbonates as calcite (0.87 to 2.9 wt%) and dolomite (0.16 to 0.54 wt%) with the highest content in the south greywacke sample. No sulphide minerals were detected in any greywacke samples.

The XRD results corroborate the ABA findings for the south greywacke lithology, which based on static ABA tests in NPAG (Section 4.2). The central greywacke samples, with lower carbonate content, are PAG indicating that sulphides may be present in these samples at concentrations below the XRD Rietveld refinement method detection limit. The north greywacke unit has a variable ARD potential, and the three samples tested are NPAG, uncertain, and PAG, with the highest carbonate content in the NPAG sample.

QEMSCAN results for two north greywacke samples from Whale Tail Pit confirm that carbonates are predominantly present as calcite (1.3 and 1.8 wt%), and lesser dolomite (0.20 wt%, one sample only), with ankerite also detected in one sample (0.021 wt%, one sample only); most carbonate minerals are exposed in both samples (78 to 80% are 80-100% exposed). The predominant sulphide mineral detected is pyrrhotite (0.41 and 0.079 wt%), with pyrite, arsenopyrite, chalcopyrite, pentlandite and other unspecified sulfides detected at trace concentrations; most sulphide minerals are exposed in both samples (62 to 65% are 80-100% exposed). Both samples are NPAG based on static ABA tests (Section 4.2), corroborated by NPAG calculated mineralogical NPR for both samples. The low kinetic test arsenic concentrations to date (Section 4.7.2) indicate that arsenic is not readily released from these samples in the short-term.

Komatiite (North and South)

One Whale Tail Pit south komatiite ore sample analyzed by XRD consists primarily (>15 wt%) of quartz, chlorite, and phlogopite, with abundant calcite (5.5 wt%) and siderite (3.1 wt %). This sample has 2.4 wt% pyrite, which corroborates the ABA static test classification of this sample as PAG (Section 4.2). The south komatiite waste rock is, however, predominantly NPAG.

XRD results for the UM FC (composed of 40% komatiite waste rock and 15% south komatiite; see Appendix C) indicate that it consists primarily of chlorite (35 wt%) and hornblende (26 wt%) with no sulphide minerals detected. Carbonate minerals include calcite (5.3 wt%) and dolomite (4.8 wt%). This corroborates the NPAG classification according to ABA tests (Section 4.2).

QEMSCAN results for one IVR Pit south komatiite sample is consistent in its findings of high carbonate content as ankerite (14 wt%), dolomite (2.3 wt%), and calcite (0.093 wt%); most carbonate minerals are not exposed (35% exposed 80-100%. The high ankerite content, which provides half the neutralization potential of calcite and dolomite, may overestimate the carbonate content of this sample (Section 4.2). QEMSCAN results for one Underground north komatiite sample is also consistent with the south komatiite samples in its findings of high carbonate content: calcite (2.8 wt%), dolomite (1.8 wt%) and ankerite (1.7 wt%); however, in this sample, most carbonate minerals are exposed (80% are 80-100% exposed). Both samples report low sulphide mineral content, primarily as pyrrhotite (0.13 and 0.094 wt%), with pentlandite, gersdorffite, pyrite, chalcopyrite, arsenopyrite and other sulphides all below 0.1 wt%. The IVR Pit south komatiite sample reports most of the sulphide minerals as locked in (16% are 80-100% exposed) while in the north komatiite Underground sample they are predominantly exposed (70%). The NPAG classification of both samples by ABA (Section 4.2) is corroborated by the mineralogical NPR (146) determined in the QEMSCAN analysis.

Arsenic is detected in arsenopyrite and gersdorffite by QEMSCAN on one IVR Pit south komatiite and one Underground north komatiite sample and in gersdorffite only by SEM on one Whale Tail Pit komatiite north sample. The arsenopyrite content is the lowest in the two komatiite samples analyzed by QEMSCAN compared to other rock types analyzed by this method, with gersdorffite (0.054 to 0.061 wt%) comprising a higher relative mass compared to arsenopyrite (0.0028 to 0.0036 wt%). The results of SEM corroborate this, also indicating that arsenic is predominantly present in gersdorffite (ranging from 45.6 to 51.6 wt%). Arsenic was not identified in the other sulfide minerals including pyrrhotite and pentlandite, nor in any silicate minerals.

Gersdorffite is in a solid solution series with cobaltite, often referred to as (Ni,Fe,Co)AsS. The gersdorffite identified in the komatiite north sample contains between 45 and 50 wt% arsenic, 1 to 9 wt% cobalt and 16 to 25% nickel. It can be reactive and may be a source of labile arsenic, nickel and cobalt from its potentially rapid oxidation kinetics (Jackson et al. 2003; MEND 2004). No silicate gangue minerals were found to contain arsenic.

Iron Formation

XRD results for the IF FC (composed of 79% of iron formation waste rock) indicate that it consists primarily of hornblende (55 wt%) and chlorite (11%). Carbonate minerals include calcite (3.5 wt%) and dolomite (1.4 wt%), and pyrite is the only sulphide mineral detected (1.0 wt%).

Two iron formation samples (waste rock and ore) from Whale Tail Pit were scanned by optical mineralogy and SEM. Arsenic was detected in gersdorffite in both samples and nickeline in the waste rock sample. The gersdorffite identified contains between 45 and 54 wt% arsenic, 1 to 24 wt% cobalt and 6 to 32% nickel; the nickeline identified contains between 56 and 69 wt% arsenic and 30 to 43 wt% nickel. The sulphide minerals detected by SEM are generally of small grain size (less than 500 µm) and include pyrrhotite, pyrite, pentlandite and chalcopyrite, all of which are arsenic-free according to microprobe analyses.

4.2 Acid Generation Potential

The results of ABA and NAG testing are presented as tables in Appendix F-3 and Appendix Figures F-1 to F-5. The results provide information on the ARD potential of each sample as determined based on total sulphur content, the net potential ratio (CaNPR or CaNP/AP) and NAG pH. Presented with the data are results of statistical analyses and the calculated bulk characteristics for each lithological group, including the sum of CaNP and AP and the bulk CaNPR (sum CaNP / sum AP) from all the samples of a given lithology.

As discussed in Section 4.2.2, carbonate minerals generally account for the bulk of the NP, and as such, the use of CaNP and CaNPR (that have been corrected for the presence of graphitic carbon) is considered more suitable to evaluate ARD potential. Metal carbonates, which impart half (ankerite) or no (siderite) net neutralization potential compared with calcite and dolomite, were detected in some samples subjected to XRD and QEMSCAN (Section 4.1; 3 of 21 samples contain siderite while 5 of 21 samples contain ankerite).

The ABA results were compared to Canadian guidelines outlined in MEND (2009), as detailed in Section 2.3.3 with suggested screening criteria for inferring ARD potential summarized in Table 5. For this study, samples are classified as PAG or Uncertain following MEND (2009) but these two categories are grouped together under the classification of ‘PAG’ in discussions of waste management as they will be handled together (Section 1.4).

4.2.1 Acid Potential

Waste rock total sulphur concentrations range from <0.0050 to 4.9 wt% and sulphide sulphur ranges from <0.020 to 4.0 wt%. The dominant sulphur species in most samples is sulphide sulphur, reporting a strong correlation with total sulphur (R=0.88) which is the principal source of acidity (Figure 7). Total sulphur is highest in chert waste rock, and lowest in the south greywacke, south basalt and north komatiite lithologies. Total sulphur is used to calculate AP for waste rock and ore, as sulphate minerals are not expected based on the deposit geology.

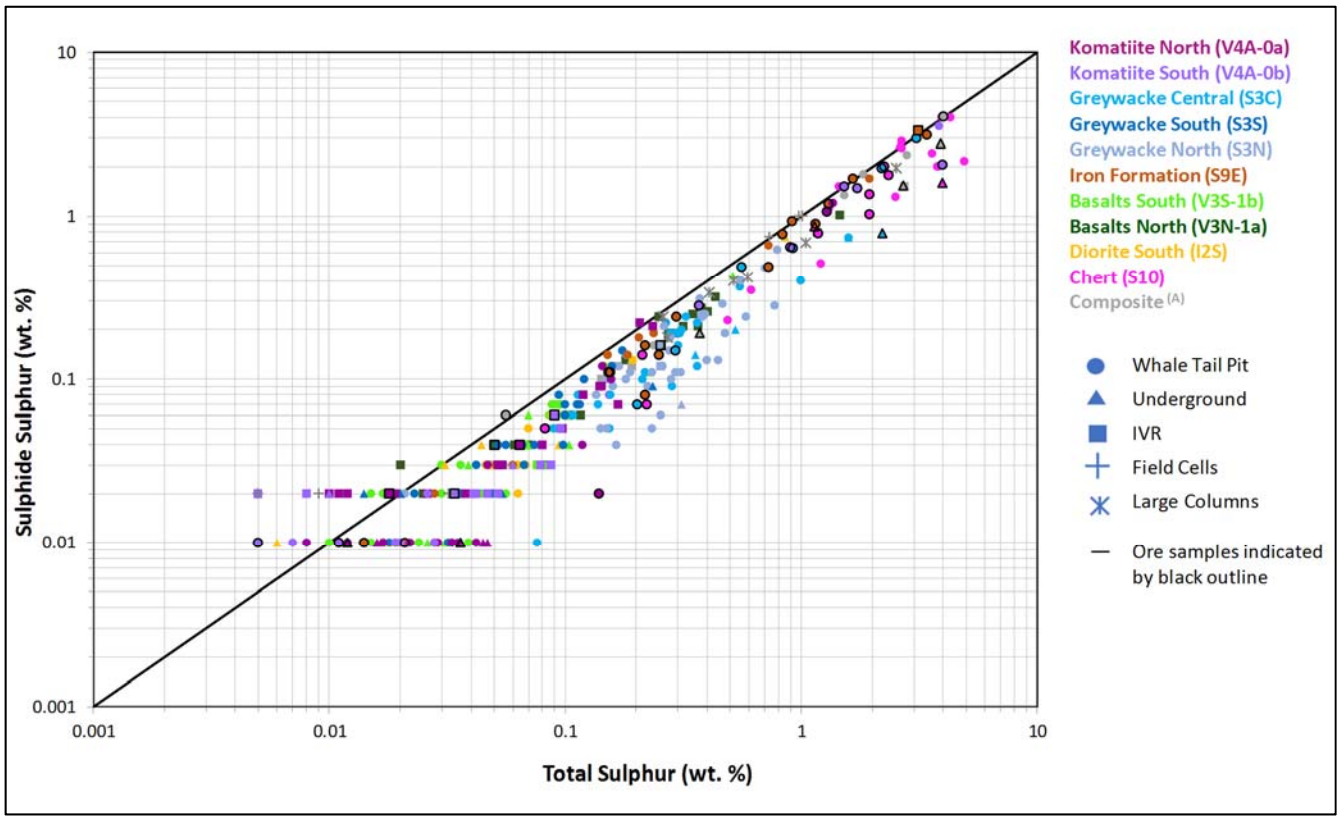


Figure 7: Total Sulphur vs Sulphide Sulphur

4.2.2 Neutralization Potential

The bulk NP (Modified Sobek with siderite correction) and Carbonate NP (CaNP; with graphitic carbon content removed) methods (Section 2.3.3) are discussed below and reported in Appendix F-3. Graphitic carbon is detected primarily in the chert, and at lesser concentrations in the basalt, diorite, greywacke, and komatiite, and has been removed from the Carbonate NP calculation as it imparts no net neutralization capacity. Where CaNP is referred to, it has been corrected to removed graphite carbon content where measured (see Appendix C).

Buffering capacity is typically highest in both the north and south komatiite and iron formation lithologies. Overall, the central greywacke and chert lithologies exhibit lower buffering capacities than the other waste rock lithologies and ore (Figure 8).

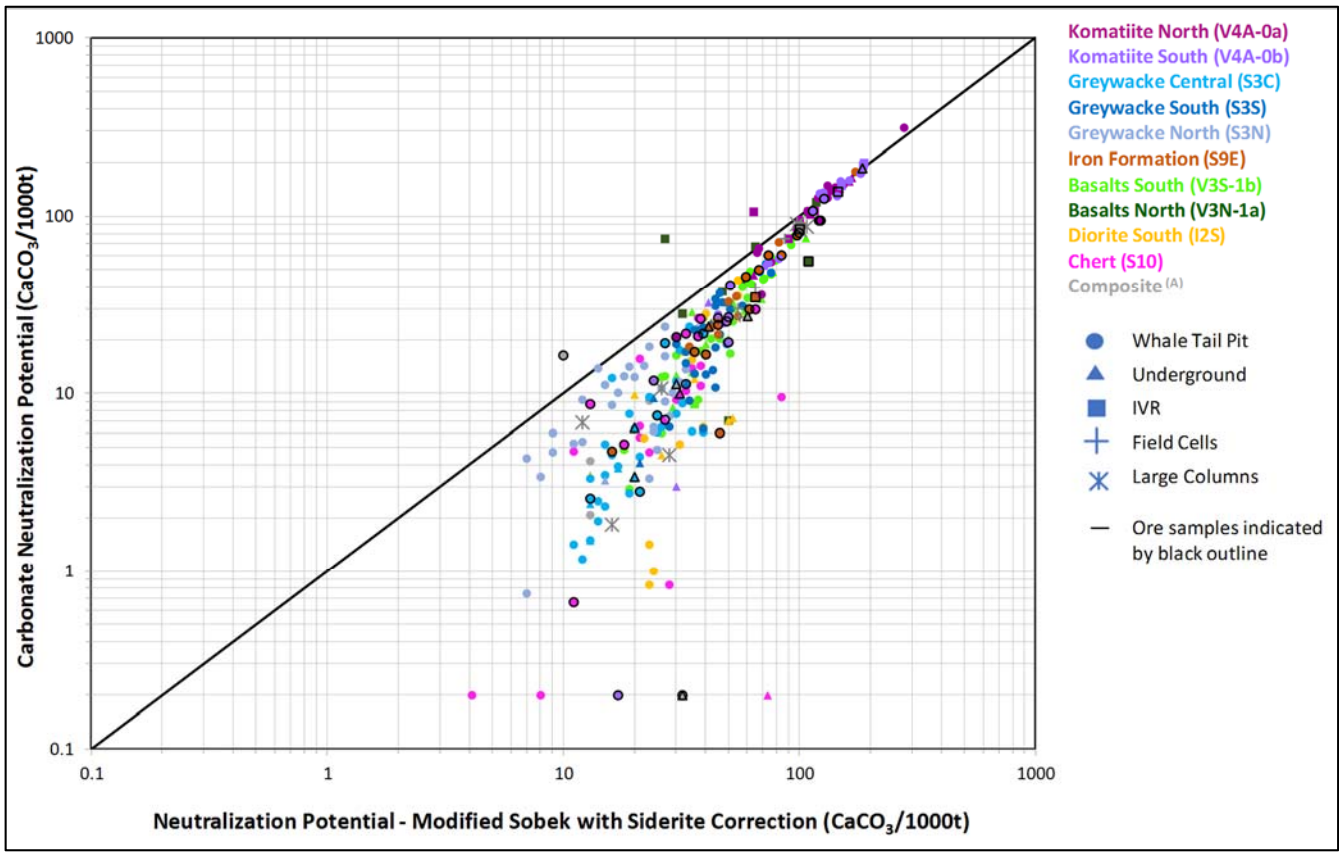


Figure 8: Neutralization Potential vs Carbonate Neutralization Potential (CaNP)

In many basalt, chert, diorite, greywacke waste rock and ore samples, less reactive silicate minerals provide some of the bulk buffering capacity measured in the laboratory test, as suggested by higher bulk NP compared with Carbonate NP (Figure 8). As silicates are typically insufficiently reactive to buffer acidity under field conditions, it is more prudent to use the CaNP to designate available buffering capacity when evaluating the ARD potential of these waste rock and ore lithologies.

In other samples (predominantly komatiite and iron formation), the bulk NP (with siderite correction) is similar to the Carbonate NP (Figure 8) suggesting that non-metal carbonate minerals are the primary source of NP. Ankerite and siderite were detected in three samples (basalt, chert, and komatiite; Section 4.1); these metal carbonates provide half to no net neutralization capacity, respectively, compared to calcite or dolomite and may overestimate the carbonate buffering capacity. Further, four samples report CaNP greater than Bulk NP (Figure 8), which is suggestive of the presence of metal carbonates in these samples. However, for the majority of the samples analyzed, the CaNP (corrected to remove graphite) is considered suitable to represent the available buffering capacity and CaNPR is used in the ARD interpretation for all waste rock and ore samples.

Paste pH values range from 5.9 to 10.2, indicating the presence of readily available buffering capacity in most samples. Two PAG waste rock samples have a mildly acidic pH, including one chert (pH of 5.9) and one north komatiite (pH of 6.2).

4.2.3 Bulk ARD Potential by Rock Type

The overall ARD potential for each sample group is illustrated in Figure 9 and summarized in Table 11. The following sub-sections focus on ARD classification (MEND, 2009) for each lithology of waste rock and ore. Note that although the PAG and Uncertain ARD classifications by rock type are distinguished following MEND (2009), these rock types will be managed together during operations. Appendix Figures F-1 to F-5 illustrate the ARD potential of all waste rock and ore samples.

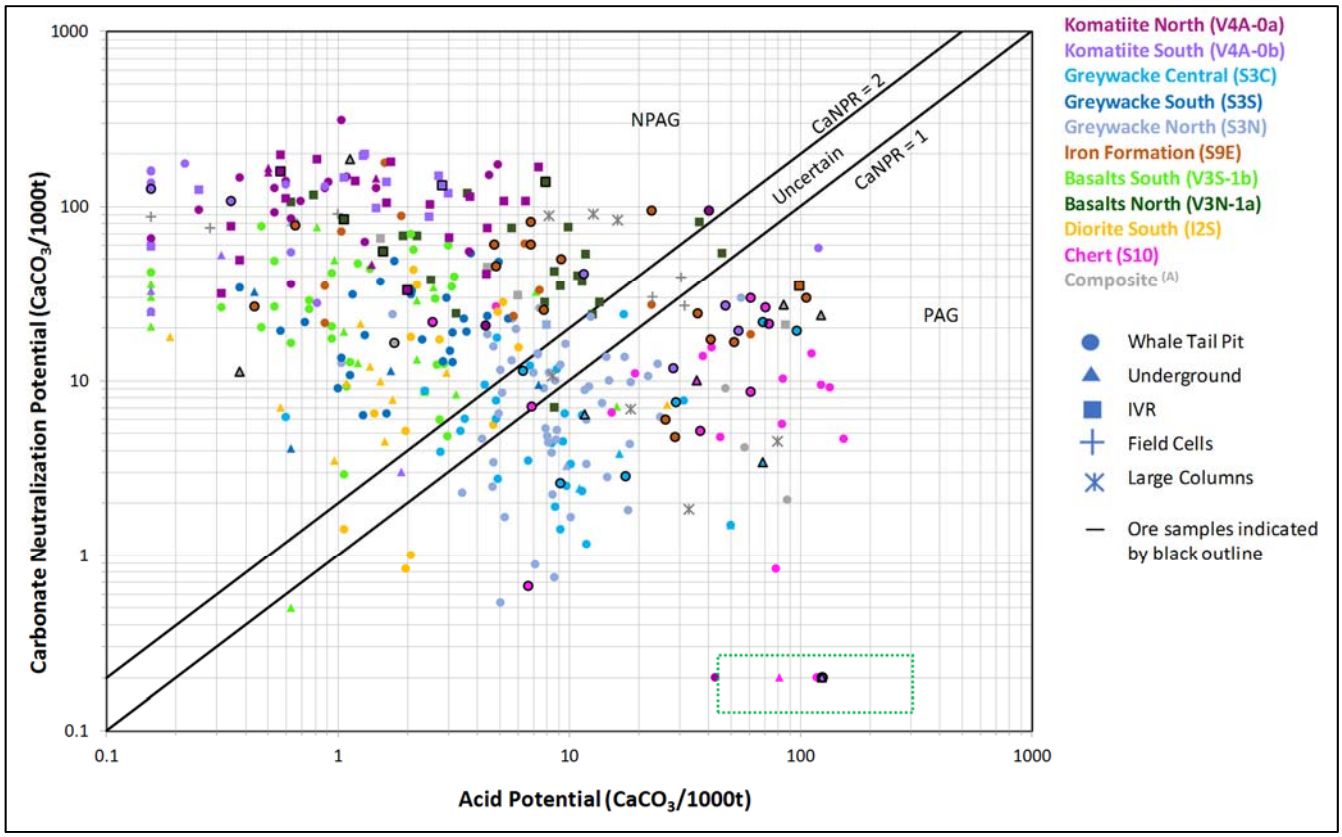


Figure 9: Acid Potential (AP) vs Carbonate Neutralization Potential (CaNP)

General observations include:

- Variability in ARD potential is observed in the samples from the various greywacke lithologies. Waste rock and ore samples collected from the central greywacke are predominantly PAG according to bulk CaNPR. Waste rock samples from the north greywacke lithology have variable potential to generate acidity, while the south greywacke is NPAG. In Whale Tail Pit, the south greywacke has a lower average total sulphur content (0.075%) than the PAG central greywacke (0.26%) and uncertain north greywacke (0.30%). The difference in ARD potential of these two lithologies is likely attributed to higher carbonate mineral content in the south greywacke compared with the north greywacke and central greywacke (Section 4.1).
- Waste rock and ore samples collected from basalt, diorite, iron formation, komatiite, and south greywacke are NPAG according to bulk CaNPR, with the exception of a few samples classified as PAG or uncertain. The NPAG lithologies have a combination of lower sulphur content and excess available carbonate mineral buffering capacity to neutralize acidity generated (Figure 9).
- Ore samples generally report similar bulk ARD designations as waste rock for each lithology. Iron formation and south komatiite are both uncertain based on the bulk CaNPR; however, both units are variable as the samples are nearly half NPAG and PAG with neither group reporting an uncertain sample.

Table 12: Summary of ABA Results for Waste Rock and Ore

Rock Type (Code)	Location	Waste Rock Samples							Ore Rock Samples						
		Sample Count – CaNPR[1]				Bulk ARD Potential			Sample Count – CaNPR[1]				Bulk ARD Potential		
		Total	NPAG	Uncertain	PAG	Average Sulphur (wt%)	Bulk CaNPR	Bulk ARD Designation	Total	NPAG	Uncertain	PAG	Average Sulphur (wt%)	Bulk CaNPR	Bulk ARD Designation
North Basalt (V3-1a)	IVR Pit	20	17	2	1	0.33	5.4	NPAG	3	3	-	-	0.11	26	NPAG
South Basalt (V3-1b)	IVR Pit	1	1	-	-	0.076	3.7	NPAG	-	-	-	-	-	-	-
	WT Pit	29	28	1	-	0.052	19	NPAG	-	-	-	-	-	-	-
	UG	14	12	-	2	0.088	9.5	NPAG	-	-	-	-	-	-	-
South Diorite (I2S)	WT Pit	13	9	2	2	0.095	5.3	NPAG	-	-	-	-	-	-	-
	UG	11	10	-	1	0.12	2.8	NPAG	-	-	-	-	-	-	-
Iron Formation (S9E-S9D)	IVR Pit	-	-	-	-	-	-	-	1	-	-	1	3.2	0.4	PAG
	WT Pit	11	9	1	1	0.33	5.4	NPAG	15	9	-	6	0.75	1.8	Uncertain
North Komatiite (V4A-0a)	IVR Pit	17	17	-	-	0.084	42	NPAG	2	2	-	-	0.041	74	NPAG
	WT Pit	19	18	-	1	0.11	33	NPAG	2	2	-	-	0.71	2.6	NPAG
	UG	4	4	-	-	0.031	132	NPAG	-	-	-	-	-	-	-
South Komatiite (V4A-0b)	IVR Pit	10	10	-	-	0.049	86	NPAG	1	1	-	-	0.090	47	NPAG
	WT Pit	10	9	-	1	0.40	8.6	NPAG	7	3	-	4	1.2	1.2	Uncertain
	UG	3	2	1	-	0.025	38	NPAG	-	-	-	-	-	-	-
North Greywacke (S3N)	IVR Pit	1	1	-	-	0.25	2.6	NPAG	-	-	-	-	-	-	-
	WT Pit	53	10	13	30	0.33	1.1	Uncertain	-	-	-	-	-	-	-
	UG	2	1	-	1	0.17	8.2	NPAG/ Variable	-	-	-	-	-	-	-
Central Greywacke (S3C)	WT Pit	25	4	8	13	0.26	0.81	PAG	6	-	1	5	1.3	0.2	PAG
	UG	2	-	-	2	0.4	0.227	PAG	2	-	-	2	1.9	0.042	PAG
Greywacke (S3S	WT Pit	26	26	-	-	0.075	10	NPAG	-	-	-	-	-	-	-
	UG	5	4	1	-	0.066	8.0	NPAG	-	-	-	-	-	-	-
Chert (S10)	WT Pit	15	1	-	14	2.5	0.11	PAG	8	1	1	6	1.3	0.38	PAG
	UG	2	-	-	2	1.9	0.070	PAG	1	-	-	1	4.0	-0.016	PAG

Notes:
[1] Calculated as the Sum of CaNP/Sum of AP from all samples in each lithology, using carbonate content correct to discount graphitic carbon content.
WT = Whale Tail; UG = Underground

4.2.3.1 NPAG Waste Rock and Ore

North Komatiite: Waste rock samples from this unit are NPAG, with bulk CaNPR values of 42 (IVR Pit), 33 (Whale Tail Pit) and 132 (Underground). The average total sulphur content is low with 0.084 wt% (IVR Pit), 0.11 wt% (Whale Tail Pit), and 0.031 wt% (Underground). The only PAG sample (AMQ-ENV16-50) within the north komatiite unit reports an anomalously high sulphur content of 1.4 wt%; however, as it was logged as greywacke it represents PAG material that could be included within the komatiite unit in the block model. One other sample (AMQ-ENV15-016) with a similarly high sulphur content (1.3 wt%) is NPAG with sufficient carbonate (5.7 wt%) and represents ore. All other samples have a total sulphur content of less than 0.3 wt%. QEMSCAN (Section 4.1) on two samples detected abundant calcite, dolomite (one sample), and ankerite (one sample), and trace sulphides (pyrrhotite, pyrite, chalcopyrite and arsenopyrite).

Ore from this unit, including two samples from IVR Pit and two samples from Whale Tail Pit are also NPAG, with CaNPR values ranging from 2.4 to 280.

South Komatiite: Waste rock samples from this unit is NPAG, with bulk CaNPR value of 86 (IVR Pit), 8.6 (Whale Tail Pit), and 38 (Underground). The average sulphur content of these samples is low with 0.049 wt% (IVR Pit), 0.40 wt% (Whale Tail Pit), and 0.025 wt% (Underground). Of the 23 waste rock samples, the five (5) PAG samples have total sulphur content that is greater than 0.9 wt%; all other samples have total sulphur content ranging from <0.005 to 0.37 wt% including one (1) uncertain sample which is likely NPAG based on low total sulphur (0.06 wt%).

One (1) ore sample from IVR Pit is NPAG, while seven (7) ore samples from Whale Tail Pit have uncertain bulk CaNPR of 1.2; four of the seven ore samples are PAG with ore ranging from 0.90 to 4.0 wt%. This is supported by mineralogical analysis (Section 4.1) of a south komatiite ore sample from Whale Tail Pit (XRD) and waste rock sample from IVR Pit (QEMSCAN) detects trace amounts of sulphide minerals (pyrite, pyrrhotite, chalcopyrite and arsenopyrite) and an abundance of carbonate minerals.

Iron Formation: Waste rock samples from this unit is NPAG with a bulk CaNPR of 5.4 (Whale Tail Pit only) with moderately low average total sulphur content (0.33 wt%). Seven (7) of the 26 waste rock and ore samples collected are PAG and have a total sulphur content greater than 0.8 wt% and a carbonate content less than 1.1 wt%. Six of these samples are from within the mineralized zone. The uncertain sample has a total sulphur content of 0.73 wt% and a carbonate content of 1.6 wt%. The NPAG samples have a total sulphur content of less than 0.75 wt% and a carbonate content greater than 1.3 wt%. The bulk CaNPR and generally low sulphur content suggest there is excess buffering capacity to neutralize acid that may be generated from this lithology. Ore from this unit, including fifteen samples from Whale Tail Pit, are similarly NPAG but with a lower bulk CaNPR of 2.7 compared to iron formation waste rock.

Mineralogical analysis (Section 4.1) by SEM for two iron formation waste rock samples detected some pyrrhotite, pyrite and chalcopyrite; while XRD on the field cell composite material reports 0.97 wt% pyrite and abundant calcite (3.5%) and dolomite (1.4%). This supports the NPAG classification for this unit.

South Greywacke: Waste rock from this unit is NPAG with a bulk CaNPR value of 19 (Whale Tail Pit) and 17 (Underground). Of the 31 samples tested, 30 are NPAG and one sample has uncertain ARD. This sample is from Underground and reports the maximum total sulphur of all 31 samples (0.24%) and low CaNP (9.4 t $CaCO_3$/1000 t). All NPAG samples report a low total sulphur content that ranges from 0.005 to 0.17 wt%. South greywacke ore was not analyzed. Mineralogical analysis of one (1) south greywacke sample (Section 4.1) by XRD corroborates these findings, reporting abundant calcite (2.9%) and lesser dolomite (0.28%); no sulphide minerals were detected.

Diorite: The bulk of this unit is NPAG with a bulk CaNPR value of 5.3 (Whale Tail Pit) and 2.8 (Underground). Of the 13 Whale Tail Pit samples two (2) are PAG and two (2) have uncertain ARD. Of the 11 Underground samples one sample is PAG and logged as gabbro. Overall, these samples have a low average sulphur content of 0.095 wt% (Whale Tail Pit) and 0.12 wt% (Underground); five of 24 samples have total sulphur content <0.1 wt%. Diorite ore was not analyzed.

South Basalt: Waste rock samples from this unit are NPAG with a bulk CaNPR value of 10 (Whale Tail Pit), 8.0 (Underground), and a CaNPR of 3.7 (one sample from IVR Pit). The average sulphur content of theses samples is low with 0.076 wt% (one sample from IVR Pit), 0.052 wt% (Whale Tail Pit) and 0.088 wt% (Underground). Of the 29 Whale Tail Pit samples, one sample has uncertain ARD. Of the 14 Underground samples, two (2) are PAG based on CaNPR although one sample reports low sulphide content (0.020 wt%) and is likely NPAG. South basalt ore was not analyzed.

North Basalt: Waste rock from this unit is NPAG with a bulk CaNPR value of 5.6 (IVR Pit only). Of the 20 waste rock samples tested, one (1) sample is PAG, reporting the lowest CaNP content (7.0 t $CaCO_3$/1000 t) and median total sulphur (0.28%), and two (2) samples have an uncertain ARD potential. One of the uncertain samples corresponds with the highest total sulphur content for this unit (1.5%) but also has upper quartile CaNP. This unit has moderately low sulphur content ranging from 0.02 to 1.5 wt%. Three (3) ore samples (IVR Pit only) are also NPAG with a higher bulk CaNPR of 26 compared to north basalt waste rock. Mineralogical analysis of one uncertain sample (Section 4.1) by QEMSCAN corroborate with the ABA findings for that sample, with an uncertain mineralogical NPR, and detection of both elevated pyrrhotite (3.7 wt%) and calcite (5.0 wt%).

Comparison between mining zones: The north komatiite, south komatiite and south basalt units are present in all three mining zones (i.e. IVR Pit, Whale Tail Pit and Underground). The north and south komatiite tend to have the lowest bulk CaNPR and highest total sulphur content at the Whale Tail Pit compared to the other two locations but all are NPAG nonetheless.

Approximately half of the diorite samples were collected from the Whale Tail Pit and half from Underground. The bulk CaNPR and total sulphur contents for this unit are similar between mining zones, with the maximum total sulphur content (0.85 wt%) reported for an Underground sample. The other NPAG units are present in the Whale Tail Pit only (iron formation and south greywacke), or IVR Pit only (south basalt).

4.2.3.2 PAG / Uncertain / Variable Waste Rock

Central Chert: This unit is PAG with a bulk CaNPR value of 0.11 (Whale Tail Pit) and 0.070 (Underground). There is no chert unit at the IVR pit. The low bulk CaNPR is attributed to a combination of an elevated average total sulphur content of 2.5 wt.% (Whale Tail Pit) and 1.9 wt% (Underground) and a low overall buffering capacity (CaNP). Ore from this unit, including eight (8) samples from Whale Tail Pit and one (1) sample from Underground, is also PAG with a bulk CaNPR of 0.38 (Whale Tail Pit) and a CaNPR for one Underground sample of -0.016. Mineralogical analysis of one ore and three waste rock samples (Section 4.1) by XRD support these findings, with significant detection of sulphides (pyrrhotite and pyrite) and calcite.

Central Greywacke: Waste rock samples from this unit are PAG with a bulk CaNPR value of 0.81 wt% (Whale Tail Pit) and 0.23 wt% (Underground). All Underground waste and ore samples are PAG with moderately high total sulphur content (0.36 to 2.2 wt%) and low overall buffering capacity (CaNP). Of the 32 Whale Tail Pit waste and ore samples, 19 are PAG and 9 samples have uncertain ARD, although one is likely NPAG based on low sulphur content (0.089 wt%). PAG samples have an average sulphur content of 0.7 wt%. XRD results for two waste rock samples (Section 4.1) report no detectable sulphides which are likely at concentrations below the method detection limit. The low carbonate content (lower CaNP) of some samples from this unit is likely related to silicic alteration,

which was observed in the central greywacke samples collected by Golder (Figure 10). Ore samples from this unit are mostly PAG; they include five (5) samples from Whale Tail Pit, one (1) sample from Underground, and one (1) sample at contact of Whale Tail Pit and Underground.



Figure 10: Different appearance of (left) silicified greywacke and (right) non/less silicified greywacke

Comparison between deposits (Central Chert and Central Greywacke): The central chert and central greywacke units are present in the Whale Tail Pit and Underground. The bulk CaNPR is lowest in the Underground compared to the pit. It is characterized by a higher sulphur content and lower carbonate minerals proximal to the ore zone. The majority of waste rock from these units was sampled from the pit with two (2) central greywacke and three (3) central chert samples collected from the underground.

North Greywacke: This unit has variable ARD with a bulk CaNPR value 1.1 (Whale Tail Pit) and 8.2 (Underground); the one (1) sample from IVR Pit has a CaNPR value of 2.6. Of the two (2) Underground samples one (1) sample is PAG and the other is NPAG with a total sulphur content of 0.31 and 0.020 wt%, respectively. Of the 24 Whale Tail Pit samples tested at SGS laboratory for the full suite of ABA parameters (i.e. CaNPR is corrected for graphite content), 10 samples are NPAG, 30 samples PAG and 13 samples have uncertain ARD. Of the 13 samples that were analyzed at the Meadowbank assay laboratory for total sulphur and total carbon are classified according to CaNPR (with Carbonate NP calculated from total carbon), 6 are PAG and 3 have uncertain ARD. The average total sulphur for all samples collected from Whale Tail Pit is 0.33 wt%, which is within the range of total sulphur reported for the one IVR Pit sample (0.25 wt%) and two Underground samples (0.31 and 0.020 wt%). XRD (Section 4.1) on one PAG and one uncertain sample did not detect any sulphide minerals, while QEMSCAN on two NPAG samples report low total sulphide mineral content (0.15 to 0.45 wt%), predominantly as pyrrhotite, and carbonates predominantly as calcite (1.3 to 1.8 wt%).

The north greywacke unit occurs in all three mining zones, with one sample from the IVR pit, two samples from the Underground, and the remaining 53 samples collected from the Whale Tail Pit. The variable ARD potential is consistent between the three deposits, with the lowest bulk CaNPR value (and thus higher ARD potential) reported for the Whale Tail Pit samples. The total sulphur content is similar between the three deposits for this unit, ranging from 0.012 to 2.8 wt%, with the maximum values reported for samples collected from Whale Tail Pit.

4.2.4 Waste Rock Management and Potential Total Sulphur Cut-off for Segregation

The proportion of the total waste rock tonnage for each deposit classified as NPAG or PAG/ uncertain according to bulk CaNPR for each waste rock type is summarized in Table 13. Units are also defined as arsenic leaching based on leach test results (Sections 4.6 and 4.7). The anticipated total tonnage of mined materials is based on the mine plan developed for the mining of the Whale Tail and IVR deposits through open pit and underground methods (Section 1.3.2).

Table 13: Waste Rock Lithology Tonnage Proportions as PAG, Uncertain, NPAG, and Arsenic Leaching

Deposit	Units	Waste Rock (Anticipated Total Tonnage and Proportion of Tonnage)			
		Total (tonnes)	PAG/ Uncertain	NPAG / NML	NPAG / ML[1]
Whale Tail Pit	Tonnes	137,977,417	34,622,930	37,305,130	66,049,356
	%	100%	25%	27%	48%
Underground	Tonnes	2,228,846	329,075	1,494,279	405,492
	%	100%	15%	67%	18%
IVR Pit	Tonnes	27,619,187	1,779,042	0	25,840,145
	%	100%	6.4%	0.0%	94%
Overall	Tonnes	167,825,450	36,731,048	38,799,409	92,294,993
	%	100%	22%	23%	55%

Notes: [1] Defined as basalt, komatiite, and iron formation units.

The majority of the PAG/Uncertain waste rock is chert, central greywacke, and north greywacke with these units totalling approximately 36 Mt (Table 3). The chert and central greywacke lithologies are predominantly found Whale Tail Pit (16% of total waste rock) and Underground (14%), and lesser at IVR Pit (4%). The north greywacke is predominantly from Whale Tail Pit (9%) but is also encountered at IVR Pit (3%); it will also be exposed in a portion of the north wall of Whale Tail Pit (Section 1.6 and 6.0).

As shown in Figure 11, based on the results to date a total sulphur content of 0.1 wt% appears to be a suitable cut-off below which waste rock can be categorized as NPAG for all lithologies. During operations, material will be tested for total sulphur and total inorganic carbon at the on-site laboratory at Meadowbank. It will then be segregated based on both the total sulphur content and the CaNPR (following MEND (2009) guidelines), as detailed in the Operational ARD/ML Sampling and Testing Plan (Agnico Eagle 2018c). Material with total sulphur below 0.1% will be considered NPAG, while material above 0.1% total sulphur will be evaluated based on the CaNPR value.

This cut off could potentially be higher for iron formation and komatiite (0.3 wt% respectively), which contain sufficient excess buffering capacity to neutralize small pockets of acidity from PAG rock and may be re-evaluated as confirmatory sampling progresses during construction and operations.

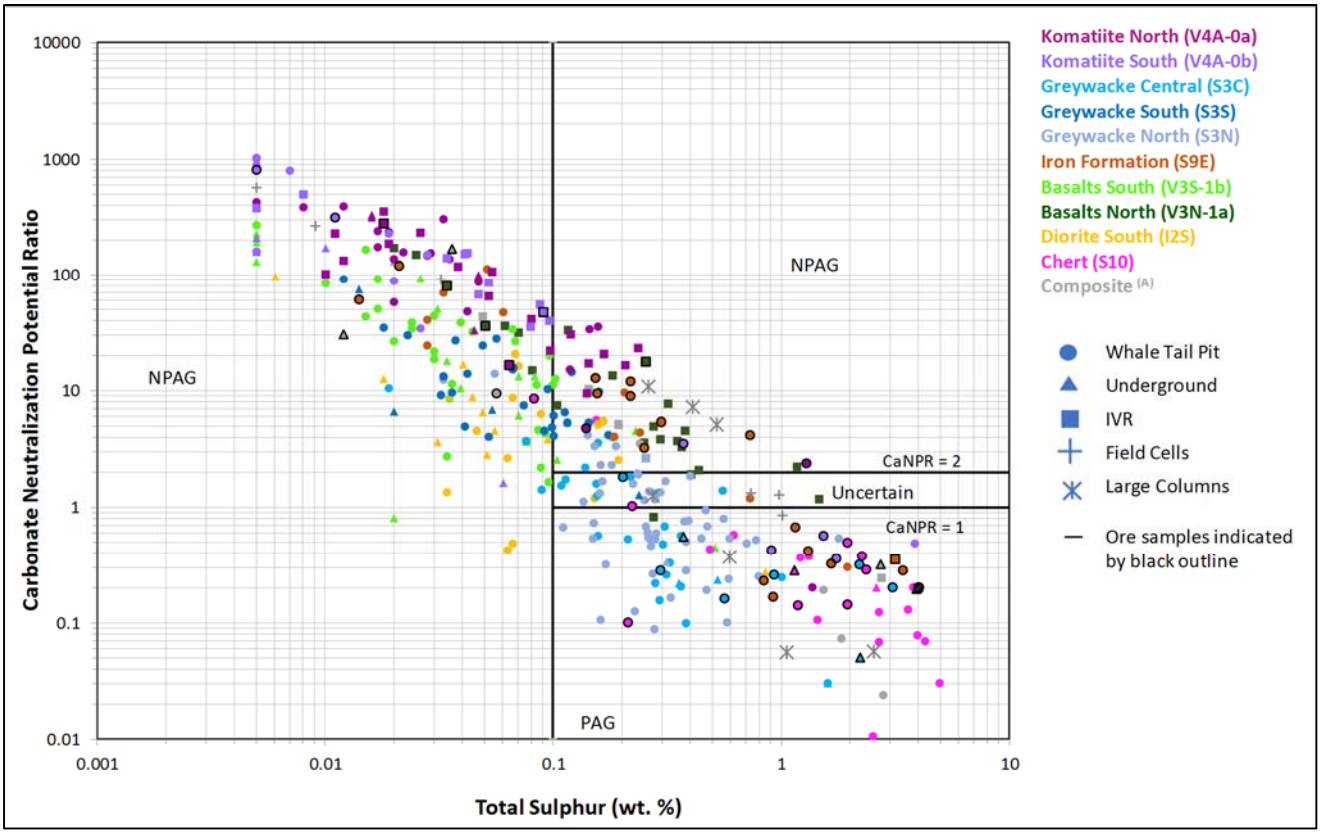


Figure 11: Total Sulphur vs Carbonate Neutralization Potential Ratio (CaNPR)

4.3 NAG Test Results

Sequential NAG test results are tabulated in Appendix F-4 and illustrated in Figure 12. The sulphate analysis completed at each NAG step suggests that most of the sulphur content of the samples was oxidized to sulphate (from 70 to 133 %) during the NAG test. It can be inferred that where the NAG test consumed more than 90% of the sulphur of a given sample, the test was largely successful in oxidizing its sulphide mineral content. The variation of sulphur consumed relative to initial sulphur content could reflect residual unoxidized sulphur; however, given that some of the values report over 100% of sulphur oxidation, it could also reflect heterogeneity of the individual subsamples from which sulphur was measured (Total S from the ABA analysis subsample and sulphate-S from the NAG test subsample).

The majority of the 39 samples tested returned a sulphur removal of greater than 90%, with 26% samples with a sulphur removal of less than 90%, and only 8% samples with a sulphur removal of less than 80%. The samples with sulphur removal less than 90%, the NAG pH returned an alkaline pH and low acidity. Thus, the result for these 10 samples the NAG test is not conclusive and would have required more than 4 steps of NAG leaching (AMIRA 2002).

Figure 12 presents NAG pH compared to total sulphur content and NAG acidity (kg H_2SO_4 / tonne) compared to total sulphur content. The NAG pH plot presents the minimum pH value from steps 1 through 4 of the sequential NAG test. The NAG acidity is the sum of all measured acidity (generated through both titration steps to pH 4.5 and 7.0) over each sequence (i.e. steps 1 through 4) of the sequential NAG tests (AMIRA, 2002). Figure 12 illustrates that NAG pH and NAG acidity results support the 0.1% sulphur content cut-off for NPAG waste (Section 4.2). Furthermore, Figure 12 illustrates that waste rock samples of central greywacke having a sulphur content above

0.1wt% are mostly NPAG by both NAG pH (> 4.5) and NAG acidity (< 5 kg H_2SO_4/t). This conflicts with the PAG bulk ARD for this unit (both Whale Tail Pit and Underground; Section 4.2); however, corroborates the results of kinetic test results for central greywacke HCT (AMQ-ENV-18) which has maintained a neutral pH (7.2) throughout 45 weeks of testing, indicating sufficient buffering capacity is available in this sample, designated PAG by ABA test results. Alternatively, this observation may be attributed to false negatives (i.e. NPAG classification) caused by the presence of carbonate in these samples, which is preferentially consumed by the peroxide solution (over sulphide mineral oxidation) and can result in an over-buffered pH of the NAG solution (AMIRA 2002).

The NAG test on the komatiite north (NPAG) waste rock sample (AMQ-ENV-49) was completed to confirm that this sample is NPAG and to verify whether all the arsenic would be released upon sulphide oxidation. This sample has one of the highest sulphur contents (660 ppm) of the lithology, but also has an elevated CaNP. The NAG pH did confirm the NPAG character of the sample. Only 3% of the total arsenic content of the sample (660 ppm) was released upon 70% oxidation of the sulphides. This could mean that much of the arsenic is not associated with minerals that were affected by oxidation (either sulfides or carbonates) or that arsenic was retained (adsorbed) within the sample. Further, of the fourteen (14) NAG leachate samples analyzed, only 2.8 to 30 % of the total arsenic content was released upon 70 to 139% oxidation of sulphur (Appendix F-4). This finding further indicates that arsenic release in these samples (central chert, central greywacke and iron formation) is not associated with oxidation of sulfides or carbonates.

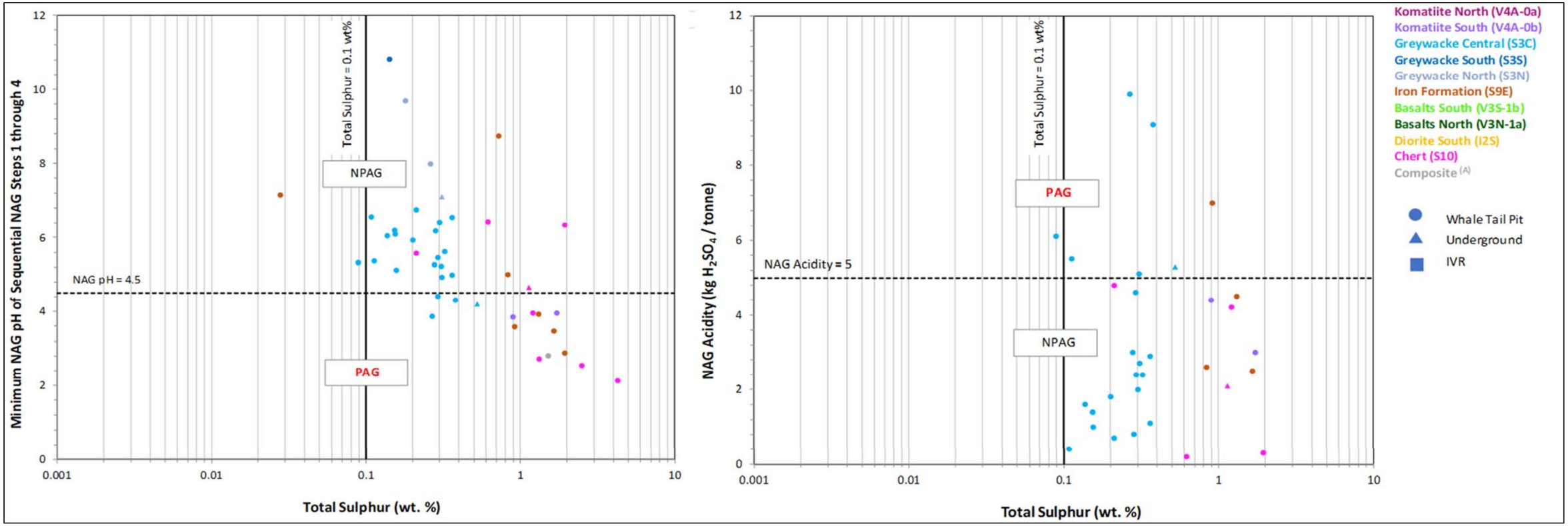


Figure 12: NAG test pH (Left) and NAG test acidity (Right) compared to total sulphur content

4.4 Chemical Composition

The chemical composition of samples by trace elemental and whole rock analyses is presented in tables included in Appendix F-5 and F-6, respectively. Summary statistics are provided for each sample type, including: minimum, maximum, average, median, 75th percentile and standard deviation. Results are summarized in Table 14.

Table 14: Compositional Enrichment in Waste Rock and Ore

Rock Type (Code)	Location	Sample Count		Parameter Concentrations Greater than Five Times Typical Crustal Abundance (Price 1997) [1]	
		Waste Rock	Ore	Waste Rock	Ore
North Basalt (V3-1a)	IVR Pit	20	3	Sb (8), As (20), Bi (1), Cd (1), Cr (5), Ni (3), Se (1), Ag (6)	Sb (1), As (2), Ba (1), Bi (1), P (1), Ag (1)
South Basalt (V3-1b)	IVR Pit	1	-	Cr (1)	-
	WT Pit	29	-	As (13), Ba (1), Bi (15), Cr (16), Li (1), P (1)	-
	UG	14	-	Sb (1), As (5), Bi (1), Cr (10),	-
South Diorite (I2S)	WT Pit	13	-	As (12), Bi (7), Pb (1)	-
	UG	11	-	As (7), Bi (1), Mo (1)	-
Iron Formation (S9E-S9D)	IVR Pit	-	1	-	As (1), Bi (1), Se (1), Ag (1)
	WT Pit	11	15	Sb (10), As (11), Bi (3), Cr (11), Ni (10), Ag (2)	Sb (14), As (15), Bi (9), Cr (15), Ni (15), Ag (6)
North Komatiite (V4A-0a)	IVR Pit	17	2	Sb (12), As (17), Bi (3), Cr (17), Ni (6), Ag (3)	Sb (2), As (2), Cr (2), Ni (1),
	WT Pit	19	2	Sb (7), As (19), Bi (5), Cr (18), Ni (5), Ag (1)	Sb (1), As (2), Bi (1), Cr (2), Ni (2)
	UG	4	-	Sb (2), As (4), Cr (4), Ni (2)	-
South Komatiite (V4A-0b)	IVR Pit	10	1	Sb (4), As (9), Bi (2), Cr (9), Ni (3)	Sb (1), As (1), Cr (1),
	WT Pit	10	7	Sb (1), As (10), Bi (2), Cr (10), Ni (1), Se (1), Ag (1),	As (7), Bi (4), Cd (1), Cr (5), Se (1), Ag (2)
	UG	3	-	As (2), Bi (1), Cr (3)	-
North Greywacke (S3N)	IVR Pit	1	-	As (1), Bi (1)	-
	WT Pit	35	-	As (41), Bi (35), Ag (4)	-
	UG	2	-	As (1), Bi (1), Cr (1)	-
Central Greywacke (S3C)	WT Pit	25	6	As (24), Bi (23), Pb (1), Se (1), Ag (2)	Sb (2), As (7), Bi (6), Mo (1), Se (1), Ag (1),
	UG	2	1	As (2), Bi (2), Ag (1)	Sb (1), As (2), Bi (1), Cd (1), Mo (1), Se (1), Ag (1)
South Greywacke (S3S)	WT Pit	26	-	As (14), Bi (17), Cr (9), Pb (1), Mo (1)	-
	UG	5	-	As (1), Bi (1), Cr (4)	-
Chert (S10)	WT Pit	15	8	Sb (8), As (15), Bi (13), Cr (1), Mo (2), Ni (1), Se (2), Ag (3)	Sb (3), As (8), Bi (7), Se (1), Ag (1)
	UG	2	1	Sb (1), As (2), Bi (2), Se (1)	Sb (1), As (1), Bi (1), Ag (1)

Notes:
[1] Number in parenthesis represents the number of samples that are enriched relative to typical crustal abundance.
WT = Whale Tail; UG = underground
"-" no sample

Major constituents in all rock types, ore and the tailings sample are silica, aluminum and iron, but also include magnesium in komatiite and basalt rocks. Minor constituents in all rock types are calcium and potassium, with the addition of sodium in both central and south greywacke units and diorite lithologies. Major constituents show little variation within each lithological group as demonstrated by low standard deviation values.

Trace element concentrations that are greater than five times the typical crustal abundance (Price, 1997) are considered to be enriched in waste rock and ore materials. In Whale Tail pit, enrichment is observed for arsenic and bismuth in all waste rock lithologies; antimony for the north komatiite, chert, iron formation and composite; as well as chromium, silver and nickel in many but not all komatiite (south and north), iron formation, chert and composite waste rock samples. Other parameters that are enriched in some rock types for less than three samples include cadmium (in south komatiite and composites), lead (in central and south greywacke) and selenium (in south komatiite, central greywacke and composites).

All ore types are enriched in arsenic, except one north basalt sample from the IVR Pit; and in antimony and silver in less than half of samples of all rock types. Elemental enrichment is also observed in the following ore lithologies:

- chromium and nickel are enriched in iron formation and north komatiite ore;
- nickel is enriched in south komatiite ore; and,
- cadmium, molybdenum and selenium are enriched in fewer than three central greywacke and composite (central greywacke/iron formation/chert) ore lithologies.

Additionally, the method detection limits for bismuth and selenium are one order of magnitude greater than average crustal abundance, with approximately 40% and 85% of bismuth and selenium values below detection, respectively. All detected bismuth and selenium values are thus enriched.

4.5 Arsenic Content in Waste Rock

Arsenic has been identified as a parameter of environmental interest because of its presence as a sulphide mineral in association with gold mineralization and its enrichment in most mine wastes at the site. Arsenic concentrations are higher than five times typical crustal abundance (9 mg/kg) in samples from all rock types, including the median concentration for most rock groups.

The highest arsenic concentrations (Table 15) are associated with the komatiite and iron formation lithologies, and to a lesser extent the basalt north lithology, which all have a relatively low sulphur content (except iron formation ore samples) compared to chert. Mineralogical observations for Whale Tail Pit samples of these lithologies suggest that arsenic occurs primarily as the nickel arsenide minerals gersdorffite and nickeline, and lesser so as arsenopyrite. While arsenopyrite is slow to oxidize, gersdorffite and nickeline are documented to be reactive (i.e. fast oxidation kinetics), forming secondary arsenic sulfosalts which can be a source of labile arsenic (MEND 2004, Jackson et al. 2003). The results of SEM and microprobe analyses indicate that arsenic was detected as gersdorffite in all three samples analyzed, and nickeline in one sample; these samples did not contain arsenopyrite and arsenic was not identified in any other minerals in these Whale Tail Pit samples.

The north basalt and iron formation lithologies are observed to have variable arsenic contents (ranging over 3 orders of magnitude). Basalt has been noted by geologists to have a gradational contact to the south and central greywacke and south komatiite lithological units. This may explain the apparent variability of arsenic content in this lithology.

In ore, arsenic is likely associated with arsenopyrite (FeAsS) documented to be present in the mineralized zone of the Whale Tail deposit (Agnico Eagle internal document). Other arsenic-bearing minerals could be present at trace amounts, including gersdorffite and nickeline (Section 4.1), given that iron formation and komatiite rock host mineralization.

The correlation between arsenic and sulphur was evaluated for waste rock and ore samples from each lithological group by deposit location (Table 15 and Figure 13). Results of this analysis indicate that arsenic and sulphur in waste rock samples have a stronger positive correlation ($R > 0.5$) in the central and north greywacke lithologies (Whale Tail Pit and Underground), and in the south greywacke (Underground only) than in other waste rock lithologies and locations ($R < 0.37$). This suggests that arsenic content is associated with sulphide minerals in the greywacke units, but less so in komatiite and iron formation waste rock where leachable arsenic is highest (Table 15 and Figure 17) and arsenic is likely associated with particular mineral phases and their secondary sulfosalts (other sulphides are present that do not contain arsenic). Thus, total sulphur cannot be used as an indicator of arsenic leaching potential for these units.

Figure 14 (IVR Pit), Figure 15 (Whale Tail Pit) and Figure 16 (Underground) illustrate a positive correlation exists between the total arsenic concentration and the ore grade for most rock groups. Arsenic concentrations are generally highest for ore samples and low-grade ore, and lowest in waste rock. These figures distinguish between ore, low grade ore (LGO) and waste rock as defined by Agnico Eagle (2018f); otherwise throughout this study the LGO and waste rock are grouped together.

Table 15: Arsenic and Sulphur Correlation in Waste Rock and Ore

Rock Type (Code)	Location	Number of Samples		Average Total Arsenic (ug/g)		Average Total Sulphur (wt%)		Correction Coefficient (R)[1]: Total Arsenic (mg/kg) and Total Sulphur (%)	
		Waste Rock	Ore	Waste Rock	Ore	Waste Rock	Ore	Waste Rock	Ore
North Basalt (V3-1a)	IVR Pit	20	3	149	162	0.33	0.11	0.043	0.44
South Basalt (V3-1b)	IVR Pit	1	-	5.6	-	0.076	-	-	-
	WT Pit	29	-	31	-	0.052	-	-0.092	-
	UG	14	-	46	-	0.088	-	-0.16	-
South Diorite (I2S)	WT Pit	13	-	19	-	0.095	-	0.22	-
	T UG	11	-	11	-	0.12	-	0.23	-
Iron Formation (S9E-S9D)	IVR Pit	-	1	-	67	-	3.2	-	-
	WT Pit	11	15	952	1043	0.33	0.75	-0.087	0.47
North Komatiite (V4A-0a)	IVR Pit	17	2	376	570	0.084	0.041	-0.35	-
	WT Pit	19	2	448	940	0.11	0.71	-0.056	-
	UG	4	-	480	-	0.031	-	0.064	-
South Komatiite (V4A-0b)	IVR Pit	10	1	213	180	0.049	0.090	0.16	-
	WT Pit	10	7	158	237	0.40	1.2	0.030	0.40
	UG	3	-	72	-	0.025	-	-0.36	-
North Greywacke (S3N)	IVR Pit	1	-	56	-	0.25	-	-	-
	WT Pit	40	-	62	-	0.33	-	0.51	-
	UG	2	-	32	-	0.17	-	-	-
Central Greywacke (S3C)	WT Pit	25	6	31	169	0.26	1.3	0.60	0.43
	UG	2	1	107	298	0.44	1.9	-	-
South Greywacke (S3S)	WT Pit	26	-	14	-	0.075	-	0.30	-
	UG	5	-	7.3	-	0.066	-	0.97	-
Chert (S10)	WT Pit	15	8	313	344	2.5	1.3	0.37	0.11
	UG	2	1	30	120	1.9	4.0	-	-

Notes: WT = Whale Tail; UG = Underground

[1] Correlation coefficient calculated only for groups with 3 or more samples

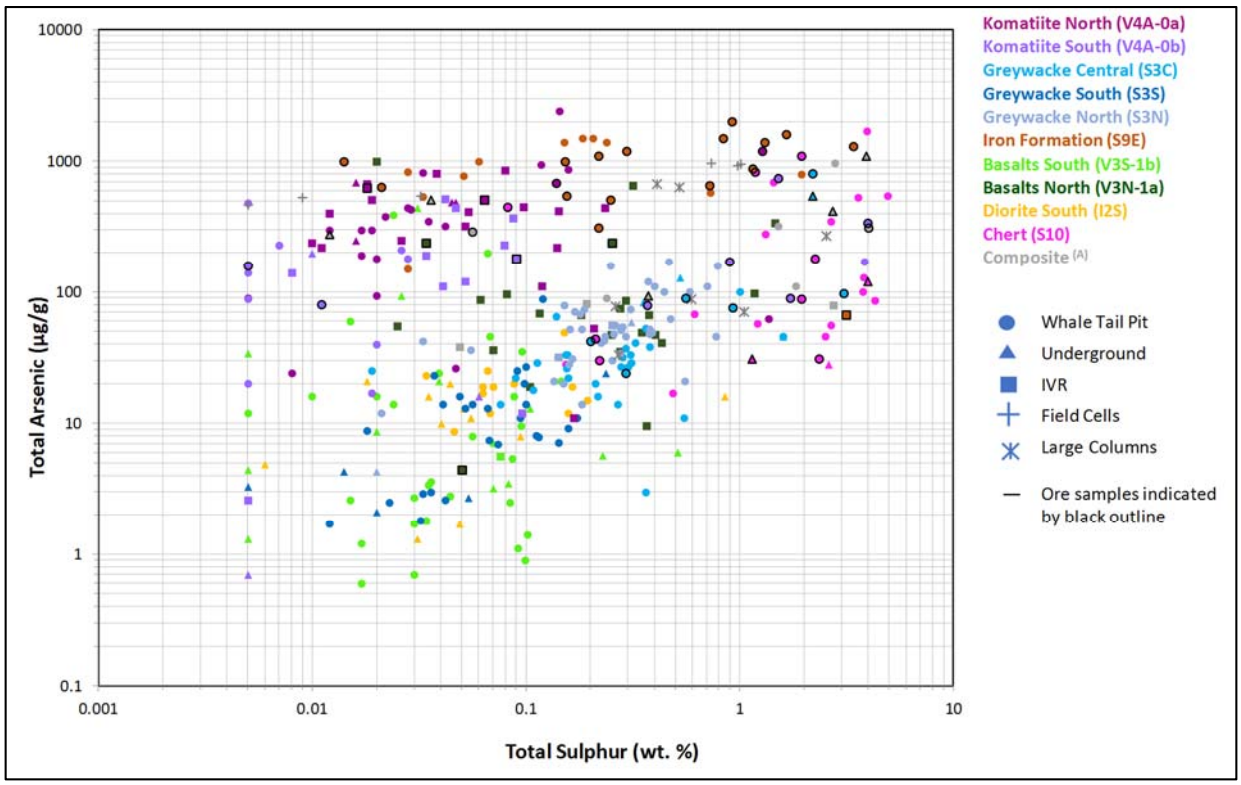


Figure 13: Total Sulphur vs Total Arsenic

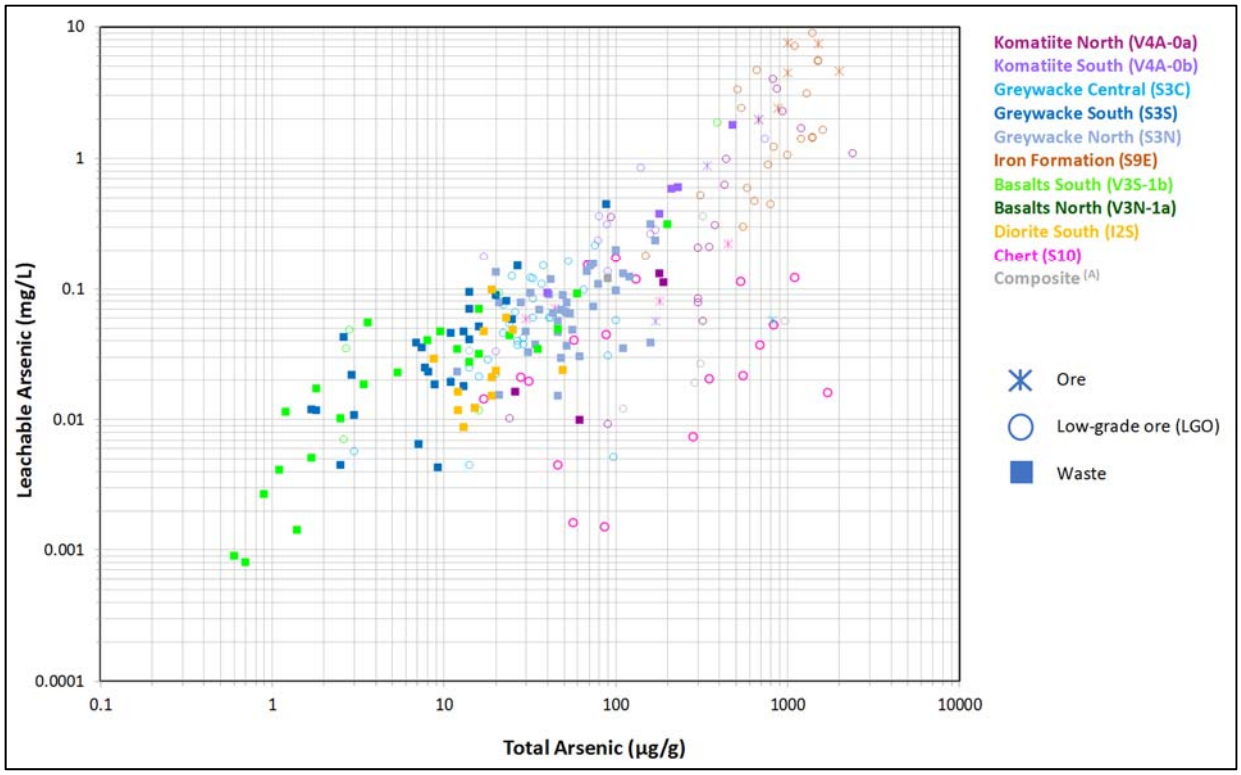


Figure 14: Total Arsenic vs Leachable Arsenic by Ore Grade – Whale Tail Pit

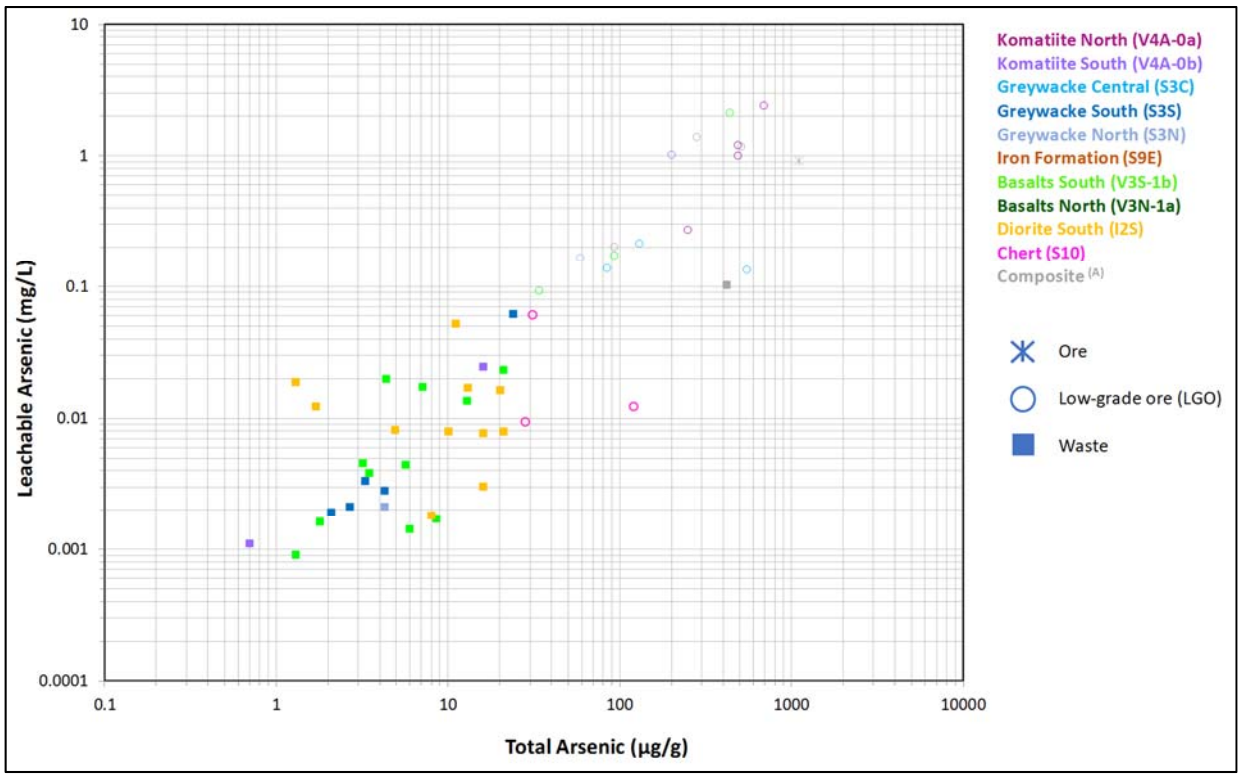


Figure 15: Total Arsenic vs Leachable Arsenic by Ore Grade –Underground

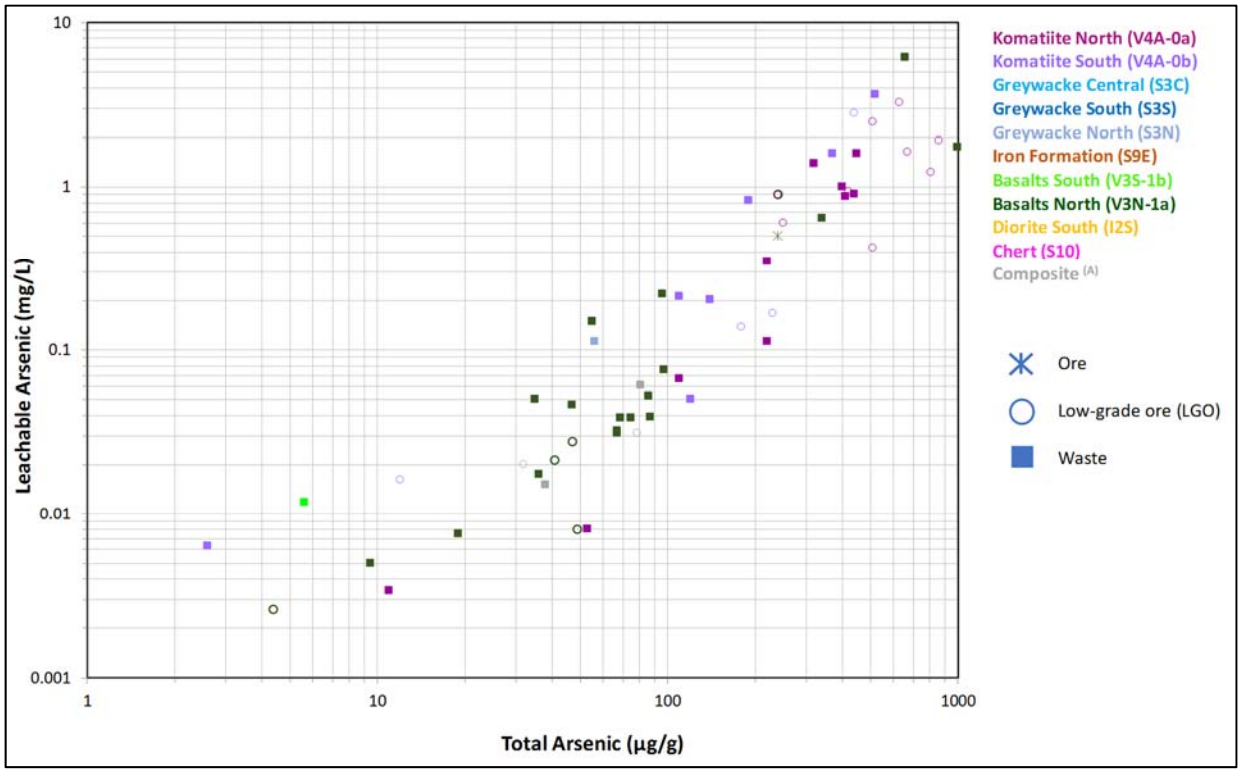


Figure 16: Total Arsenic vs Leachable Arsenic by Ore Grade – IVR

4.6 Short-Term Leaching Potential for Waste Rock and Ore

Shake Flask Extraction Tests

Short-term leach tests provide an initial screening tool in the identification of potential constituents of concern at neutral pH, whereas the kinetics of weathering were investigated by long-term kinetic leach tests (Section 4.7).

Short-term leachate quality results for waste rock and ore samples are tabulated in Appendix F-7. Summary statistics are provided for each sample type, including: minimum, maximum, average, median, 75th percentile and standard deviation. Constituents with licensed effluent discharge limits (NWB 2AM-WTP1826) are presented in scatterplots of leachable versus solid-phase concentrations in Appendix Figures F-6 to F-15. The final pH values of the SFE leachates are generally circumneutral to alkaline with majority of values ranging from 8.0 to 10, corroborating the presence of some available buffering capacity to neutralize acid in the short term in all samples. Four of 340 samples have an acidic final pH (ranging from 5.2 to 6.6) include two samples of north komatiite and chert waste rock, and two samples of central greywacke and composite (chert/south komatiite) ore from Whale Tail Pit.

For all rock types investigated, the concentrations of all licensed effluent discharge limits (NWB 2AM-WTP1826) are generally low except for arsenic and aluminum. Some samples report higher cadmium, copper, lead, and zinc concentrations relative to the majority of the database, but no trends are observed by rock type. Chromium and nickel concentrations are highest in the basalt, komatiite, and iron formation samples but a visual trend between total and leachable concentrations is not observed.

Total versus leachable arsenic for all waste rock and ore samples is illustrated in Figure 17.

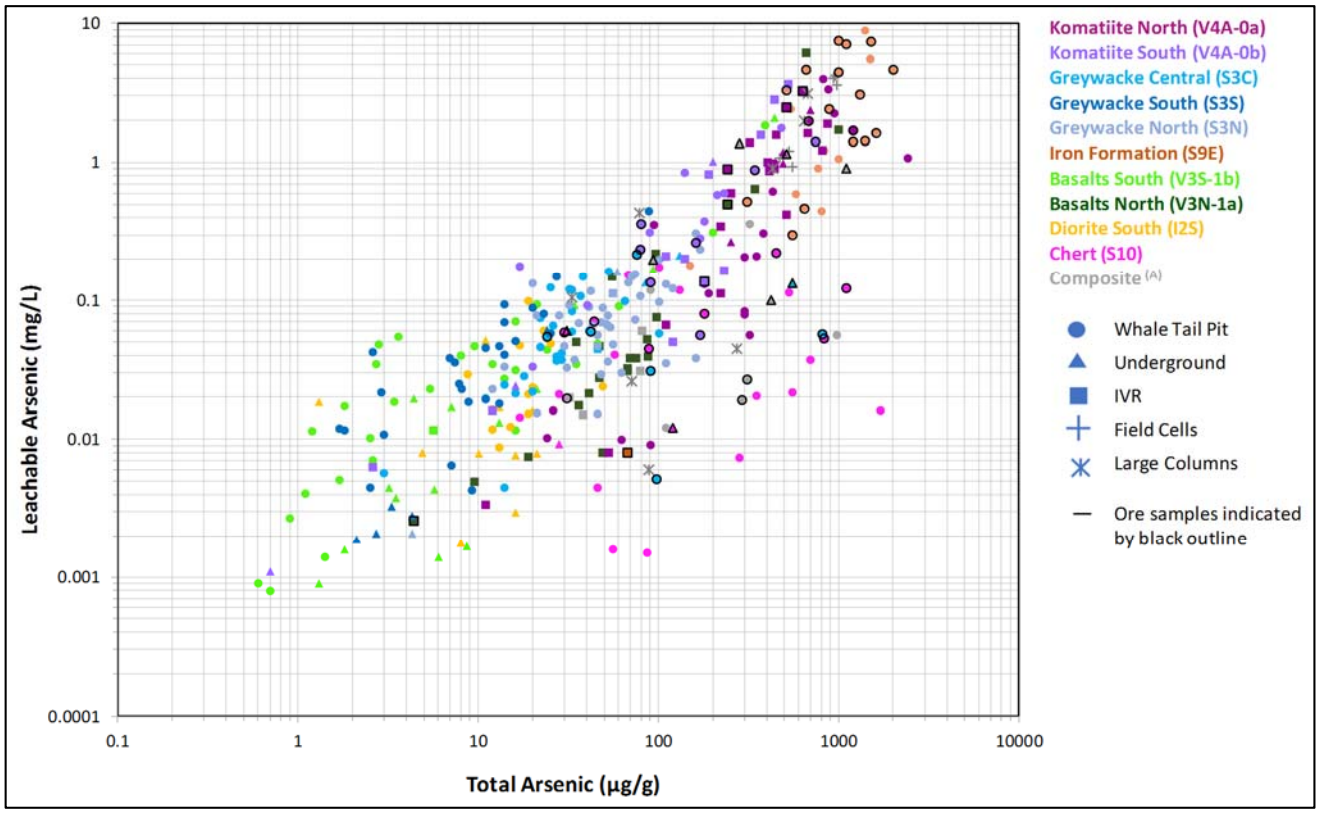


Figure 17: Total Arsenic vs Leachable Arsenic in Waste Rock and Ore

Readily soluble arsenic is leached in short-term tests at concentrations that range up to two orders of magnitude, from <0.005 mg/L to 8.9 mg/L. The highest concentrations are reported in north komatiite and iron formation where arsenic ranges from 0.0011 to 8.9 mg/L, corresponding to the upper quartile range of concentrations for all samples. These lithologies generally report a total arsenic content that is greater than about 75 µg/g (ppm).

Samples of north, central and south greywacke and diorite waste rock leach low levels of arsenic. Most of these samples have less than 75 ppm to 100 ppm total arsenic. Conversely, samples of the iron formation, komatiite, and basalt which tend to have higher solid-phase arsenic release proportionately more arsenic.

A wide variability in leachable arsenic concentrations in basalt samples is observed with concentrations ranging over 3 orders of magnitude, which may be due to the gradational contact of the basalt unit with the greywacke and komatiite units (Section 4.5). This trend is also observed in the basalt solid phase arsenic, which follows a similar wide concentration range over 3 orders of magnitude.

Aluminum concentrations in several samples of north basalt, central greywacke, north greywacke, south greywacke, chert, and diorite waste rock range from 0.5 to 2.6 mg/L. High concentrations of aluminum in short-term leach tests are often an artefact of the test protocol itself resulting from vigorous shaking and passing of very fine aluminum-bearing colloids through the filter rather than an occurrence in true soluble form.

Net Acid Generation Tests

The potential for short-term ML under highly-oxidizing conditions was investigated by analysis of sequential NAG leachate (Section 2.3.3.3) and represent the total load to be released should PAG material be fully oxidized (i.e. worst-case conditions if PAG material was not managed). These results are tabulated in Appendix F-4 and summarized as follows. The analysis of leachate generated by sequential NAG testing reports acidic pH in chert waste rock, central greywacke waste rock and iron formation ore and waste rock samples from Whale Tail Pit, (averages of 4.5, 6.1, and 5.9, 6.5 respectively); and circumneutral pH in central greywacke ore samples from Whale Tail Pit, (average value of 7.0) in the first step of analysis. The leachate pH gradually but only slightly increases through steps 2 to 4. Parameters that are observed in the upper concentration range for each lithological unit compared to other samples include:

- chert – aluminum, copper, iron, nickel and zinc;
- central greywacke – aluminum, nickel and zinc; and,
- iron formation – aluminum, arsenic and chromium.

Copper, iron, nickel and zinc are metals associated with sulphide minerals and as such, are expected to be liberated by highly oxidizing NAG test conditions. Chromium is enriched in iron formation waste rock (Section 5.4), thus liberated from solid-phase upon aggressive oxidation.

The actual leachability of aluminum, arsenic and all other elements are verified though kinetic testing, discussed in Section 4.7 of this report.

4.7 Long-Term Leaching Potential

The kinetic leach test measures the rate of chemical reaction of a geologic material (oxidation and chemical release) by simulating weathering in a laboratory-controlled setting, under conditions that are expected to accelerate the rate of reaction relative to the rate expected in the field, particularly in the dry, cold climate of the Whale Tail Pit project. Kinetic testing on waste rock and ore samples included HCTs (laboratory tests of standard 1-kg of test material; Table 16), LCs (laboratory tests of sub-aerial and submerged conditions containing 8- to 60-kg of test material; Table 17), and FCs (two large field tests of 335- and 250-kg; Table 17).

Long-term leachate quality results are presented in Appendix Figures G-1 to G-41 and summarized in Section 4.7.2 (HCTs, subaerial LCs and FCs) and Section 4.7.3 (submerged LC).

4.7.1 Sample Selection Rationale

Sample selection for the kinetic leach tests was designed to represent the dominant waste rock groups that will generate the largest volume of waste, and to capture the effect of specific compositional characteristics on leachate chemistry; namely, that of the average and upper quartile (75^{th} to 90^{th} percentile) concentration ranges of constituents of concern (identified in Sections 4.1 to 4.6), including CaNP and sulphide content for the chert and greywacke lithologies, and arsenic content for komatiite, basalt and iron formation lithologies. Box and whisker plots are presented in Appendix G-42 to G-50 and show the static test results for all kinetic test samples relative to the static test database for that rock type by deposit location.

Table 16 (HCTs) and Table 17 (large columns) both summarize the sample selection rationale for each kinetic test based on the total sulphur content and buffering capacity for PAG lithologies and on the arsenic leach potential based on static test results.

The charge material of all large leaching columns and both field cells is composed of the reject from multiple samples subjected to static tests. Appendix C-3 and Appendix C-4 present a detailed list of the composition of each leaching column and field cell, respectively, including the following information for each sample included in the column and field cells: sample identification, rock type (from block model, and as logged), deposit, and key chemical properties based on static test results. Note that since the date of construction of these columns, the modelled rock type for some of the samples used as charge material has changed based on updates to the block model (Section 1.3.1); the composition presented for each column is based on the updated block model interpretation.

Table 16: Sample Selection Rationale – HCT's from Whale Tail Pit, Underground, and IVR Pit

HCT Sample Identification	Location	Material Type	Rock Type – Block Model (Code)	Logged Lithology	S(T)[1] (wt.%)	CaNP[1] (kg/$CaCO_3$/t)[2]	CaNPR[1]	Sample ARD Potential[1]	Total As[1] (mg/kg)	Leachable As[1] (mg/L)	Selection Rationale
AMQ-ENV-40	WT Pit	Waste	Chert Central (S10)	_S10	1.3	16	0.38	PAG	280	0.0074	High quartile sulphur
AMQ-ENV15-133	WT Pit	Waste Composite	Chert Central (S10) and Central Greywacke (S3C)	_S10_sSi	2.8	2.1	0.024	PAG	970	0.056	High quartile sulphur, high quartile arsenic
AMQ-ENV15-054	WT Pit	Waste	Chert Central (S10)	_S3	4.3	9.2	0.069	PAG	86	0.0015	High quartile sulphur
AMQ-ENV-114	WT Pit	Waste	South Diorite (IS2)	_I2	0.046	6.5	4.5	NPAG	8.7	0.029	Median NPR and CaNPR
AMQ-ENV-37	WT Pit	Waste	Greywacke Central (S3C)	_S3	0.16	18	3.6	NPAG	33	0.12	Sulphur less than 0.2 %
AMQ-ENV-18	WT Pit	Waste	Greywacke Central (S3C)	_S10	0.31	6.5	0.68	PAG	33	0.084	Median sulfur, high quartile arsenic
AMQ-ENV-28[3]	WT Pit	Ore	Greywacke Central (S3C)	_S10	0.56	2.8	0.16	PAG	90	0.031	High quartile sulphur
AMQ-ENV15-065	WT Pit	Waste	Greywacke Central (S3C)	_S3	0.31	2.5	0.26	PAG	29	0.042	High quartile sulphur
AMQ-ENV15-120	UG	Waste	Greywacke Central (S3C)	_S3	0.53	3.8	0.23	PAG	130	0.21	High quartile arsenic
AMQ-ENV15-120 (duplicate saline)	UG	Waste	Greywacke Central (S3C)	_S3	0.53	3.8	0.23	PAG	130	0.21	Duplicate; soaked for 24 hours in 20% brine prior to initiating test to simulate saline conditions underground
AMQ-ENV16-47	WT Pit	Waste	Greywacke North (S3N)	_S3	0.18	13	2.3	NPAG	68	0.14	High quartile arsenic
AMQ-ENV16-49	WT Pit	Waste	Greywacke North (S3N)	_S3	0.033	13	12	NPAG	42	0.12	High quartile arsenic
AMQ-ENV17-25	WT Pit	Waste	Greywacke South (S3S)	_S3	0.14	23	5.3	NPAG	7.1	0.0065	Median sulphur
AMQ-ENV-32	WT Pit	Waste	Komatiite North (V4A-0a)	_S10	0.028	127	145	NPAG	440	0.98	Median arsenic
AMQ-ENV-43	WT Pit	Waste	Komatiite North (V4A-0a)	_V4A	0.033	312	302	NPAG	820	4.0	High quartile arsenic
AMQ-ENV15-068	UG	Waste	Komatiite North (V4A-0a)	_V4A	0.045	47	33	NPAG	490	1.2	High quartile arsenic
AMQ-ENV17-44	IVR Pit	Waste	Komatiite South (V4A-0b)	_V4A	0.087	149	55	NPAG	370	1.6	High quartile arsenic
AMQ-ENV16-53	IVR Pit	Waste	Basalts North (V3-1a)	_V4A	1.5	54	1.2	uncertain	340	0.64	High quartile arsenic
AMQ-ENV-118	WT Pit	Waste	Basalts South (V3-1b)	_V3	0.15	45	9.8	NPAG	21	0.093	Average leachable arsenic
AMQ-ENV15-144	UG	Ore	Iron Formation (S9E) and Chert (S10)	_S10_sSi	3.9	24	0.19	PAG	1100	0.90	High quartile arsenic
AMQ-ENV15-089 and 076[4]	WT Pit	Ore/Waste Composite	Iron Formation (S3E) and Komatiite South (V4A-0b)	_S9E/_V4A/ _S10E	3.6	44	0.38	PAG	735	1.7	High quartile arsenic, high quartile sulphide

Notes:
[1] Based on results of static testing. Total arsenic (Section 4.4) leachable arsenic by shake flask extraction tests (Section 4.6) reported as mg/L.
[2] kg calcium carbonate ($CaCO_3$)/t
[3] The sample was subjected to a re-assay on a riffle split sample from the crushed portion and was found to have high heterogeneity in composition (Appendix D), it is suspected to have oxidized in storage prior to testing.
[4] The charge material of this HCT is composed of two 500-gram samples: 1) iron formation ore; and 2) komatiite low grade ore. Results for this sample represent the average from the two samples used to create the composite.
WT = Whale Tail; UG = Underground

Table 17: Sample Representativeness – Leaching Columns, Submerged Columns and Field Cells from Whale Tail Pit

Kinetic Test	Sample ID	Predominant Rock Type – Block Model (Rock Code)[1]	Charge Material Mass (kg)	Water Leaching Volume (L)	S(T) [2,3] (wt.%)	CaNP [2,3] (kg/$CaCO_3$/t)[4]	CaNPR [2,3]	Sample ARD Potential [2,3]	Total As [2,3] (mg/kg)	Leachable As[2,3] (mg/L)	Column Objective and Representativeness of Predominant Rock Type
Subaerial Columns	C1	North Komatiite (75% V4A-0a / 25% S9E-S9D)	40	4.0	0.41	91	7.1	NPAG	670	3.1	Evaluate arsenic leaching potential of the north komatiite. High quartile total sulphur, total arsenic, and leachable arsenic
	C2	Iron Formation (71% S9E / 18% V4A-0a)	43	4.3	0.52	83	5.1	NPAG	640	2.0	Evaluate arsenic leaching potential of the iron formation. Above average total sulphur; lower quartile total arsenic; near average leachable arsenic
	C3	Central Greywacke (56% S3C / 44% S10)	45	4.5	1.1	1.8	0.056	PAG	71	0.026	Evaluate propensity and timing to onset of ARD and metal release rates before and after onset of ARD. Maximum total sulphur content; lower quartile CaNP; high quartile total arsenic content; lower quartile leachable arsenic
	C4	Central and South Greywacke (43% S3C / 38% S3S)	60	6.0	0.27	11	1.3	uncertain	33	0.11	Evaluate ARD potential of the less silicified, lower sulphur greywacke (S3C and S3S); conservative representation of S3S (higher total sulphur). S3C: average total sulphur content; CaNP above average S3S: greater than total sulphur maximum values; below average CaNP
	C5	South Komatiite (60% V4A-0b / 20% V3-1b)	26	2.6	0.26	88	11	NPAG	78	0.43	Evaluate arsenic leaching potential of the south komatiite. Below average sulphur and arsenic content; near average leachable arsenic
	C6	Chert (58% S10 / 17% S3C / 17% V4A-0b)	29	2.9	2.5	4.5	0.057	PAG	270	0.045	Evaluate propensity and timing to onset of ARD and metal release rates before and after onset of ARD. Median total sulphur content; below average CaNP; near average total and leachable arsenic
	C7[5]	South Basalt (86% V3-1b / 14% V4A-0b)	20	2.0	0.046	46	166	NPAG	30	0.15	Evaluate arsenic leaching potential of the south basalt. Near average total sulphur and arsenic content; above average leachable arsenic
	C9	North Greywacke (67% S3N / 33% V4A-0a)	12	1.2	0.59	7	0.37	PAG	88	0.01	Evaluate propensity and timing to onset of ARD and metal release rates before and after onset of ARD. Near maximum total sulphur content; below average CaNP. high quartile total arsenic and minimum leachable arsenic
Submerged Column	C8	North Komatiite and Iron Formation (37% S9E / 35% V4A-0a / 14% V4A-0b)	42	4.2	0.35	78	140	NPAG	534	0.82	Evaluates the kinetics of arsenic leaching under submerged conditions. IF: average total sulphur; lower quartile total arsenic; below median leachable arsenic Komatiite: high quartile total sulphur; above average total arsenic content; average leachable arsenic
Field Cell	UM FC	Komatiite (92% V4A / 8% S9E)	335	9.6[6]	0.032	91	91	NPAG	550	0.93	V4A-0a: lower quartile total sulphur; near average total arsenic; high quartile leachable arsenic V4A-0b: near median total sulphur; maximum total arsenic; high quartile leachable arsenic
	IF FC	Iron Formation (79% S9E / 14% V4A-0a)	250	7.8[6]	1.0	27	0.85	PAG	950	4.2	Maximum total sulphur content; below average CaNP and total arsenic content; high quartile leachable arsenic

Notes:
[1] Percentage composition presents only the major rock type that comprises greater than 80% of the test material (therefore does not sum to 100% in some cases). Detailed sample composition by mass is presented in Appendices C-2 (LCs) and C-3 (FCs).
[2] Averages calculated by percent mass of each sample that comprises the bulk composition of the kinetic test material (Appendix C-2 and C-3).
[3] Based on results of static testing. Total arsenic (Section 4.4) leachable arsenic by shake flask extraction tests (Section 4.6) reported as mg/L
[4] kg calcium carbonate ($CaCO_3$)/t.
[5] Charge material not analyzed for static testing; results presented are an average of the static test results for the charge material sample
[6] Field cell leaching volume presented as average and vary in relation to precipitation received and/or forced leach volume (if required).
WT = Whale Tail; UG = Underground

4.7.2 Kinetic Leaching Test Results

Leachate concentrations are presented as time-series graphs in Appendix Figures G-1 to G-28. The results are presented up to the cycles identified in Table 8.

Of the kinetic tests (HCTs and columns) initiated in 2015 and 2016, one HCT (AMQ-ENV-40), and three of eight subaerial column (C4, C6 and C9) tests are ongoing; the rest of the waste rock and ore kinetic tests have been terminated as detailed in Table 8 and Table 9, having reached their testing objectives. An additional ten HCTs were initiated in January 2018 of which 36 weeks of analysis are reported.

The kinetic figures (Appendix G-1 to G-28) are grouped by lithological units as follows, based on relative arsenic leaching potential and acid rock drainage potential:

- Appendix Figures G-1 to G-14 include chert, diorite and greywacke samples based on their lower arsenic leaching potential relative to the other lithologies, and because samples from this unit have the potential to generate ARD (PAG chert and central greywacke; uncertain north greywacke; NPAG diorite, south greywacke; Section 4.2).
- Appendix Figure G-15 to G-28 include komatiite, basalt and iron formation samples based on their general NPAG ARD classification, and higher arsenic leaching potential compared to other lithologies. This group also includes two PAG iron formation ore samples.

The results are described below following these lithological groups.

4.7.2.1 Low Arsenic and Variable ARD Units: Chert (PAG), Diorite (NPAG) and Greywacke (NPAG and PAG)

The chert, diorite and greywacke (south, central and north) kinetic leaching tests include thirteen HCTs (eight on-going, five terminated), and four subaerial leaching columns (three ongoing, one terminated).

One central greywacke HCT (AMQ-ENV15-120) was run in duplicate with one HCT soaked in a 20% saline solution intended to represent maximum salinity concentration from drilling brine that could occur during underground development, to evaluate the potential effects of salinity on sulphide oxidation. Both samples have maintained neutral conditions to date, so it is not possible at this time to determine if the salt has accelerated the oxidation of sulphide minerals. Concentrations of salt-related constituents are notably higher in the sample soaked in saline solution, most notably calcium and chloride, but decrease by an order of magnitude to concentrations of 145 and 180 mg/L respectively over 6 weeks of testing upon washing of the salt from the pore space.

Based on the results, most HCT and column test leachates are circumneutral (6.8 to 8.2 at the last cycle analyzed) and have maintained a leachate with low conductivity and sulphate content throughout the test period to date, with the exception of three PAG HCTs as follows:

- one PAG chert sample AMQ-ENV-40 had a test leachate that steadily decreased from 7.3 to 4.9 throughout the 160-week test period from week 76.
- one PAG chert/central greywacke composite sample AMQ-ENV15-133 had a test leachate that steadily decreased from 7.5 to 6.2 throughout the 73-week test period.
- One PAG greywacke ore sample AMQ-ENV-28 was acidic from the first week onward through the duration of 24 weeks of testing, reporting a pH ranging from 4.6 to 4.1. The observed leaching behavior of this sample is anomalous compared to other samples of similar sulphur content and buffering capacity.

Upon review of kinetic test results for the PAG ore sample AMQ-ENV-28 HCT, the material was re-analyzed using a replicate riffle split of the sample (Appendix D). This yielded a much higher sulphur content (1.2 wt% compared to the 0.56 wt% initially reported for the sample), but similar metal content, NP and SFE values for constituents of potential concern. At 1.2 wt% sulphur, this sample has the 75th percentile sulphur content of the central greywacke lithology but the 20th percentile carbonate buffering capacity. At the latter sulphur content, it represents a high ARD potential end member of this unit. Further, it is suspected to have oxidized prior to testing, as oxidation stains were observed on fresh core, and not expected to be representative of other waste rock of this lithology.

Eight other samples that are classified PAG by ABA have maintained circumneutral pH indicating a delay onset to ARD. Sulphate content for the PAG samples ranges from 1 to 390 mg/L.

Most parameter concentrations in the HCT and subaerial column test leachates fluctuate but remain low throughout the test period. Notable trends include the following:

- PAG greywacke sample AMQ-ENV-28, because of its acidic drainage, has higher leachate parameter concentrations (copper, iron, nickel and zinc concentrations in first flush; and iron throughout the test period) than other HCTs and columns.
- Iron concentrations in PAG central greywacke sample AMQ-ENV-40 (maximum value of 2.9 mg/L) steadily increased throughout the test period remaining above 1.0 mg/L in the last twenty weeks of analysis (weeks 140 to 160).
- Arsenic concentrations reached 0.1 mg/L (maximum value at week 24) in the central/south greywacke column C4, then steadily decreased to 0.028 mg/L; and marginally exceeded 0.1 mg/L in the chert column C6 (in the first flush of weeks 1, 3 4, and 5 with a maximum value of 0.12 mg/L at week 4).
- The concentration of sulphate and metals (Cd, Cu, Co, Pb, Ni, Zn) generally associated with metal sulphide mineral oxidation (Plumlee et al., 1992) have been summed and plotted in Appendix Figure G-14. These metal concentrations increased in the final cycles of analysis for AMQ-ENV-28, AMQ-ENV-40, AMQ-ENV15-133, C6 and C9, further suggesting the initiation of oxidation and acidification in these samples.

In all other HCT samples and columns, alkalinity and the major ions that are released from its consumption (Ca, Mg), and trace metal concentrations (Co, Cu, Fe, Mn, Ni, Pb) are low and have a stable to slightly decreasing trend, further supporting that acidic conditions have not yet been realized in these samples.

4.7.2.2 Arsenic-enriched, low ARD Potential Units: Komatiite, Basalt and Iron Formation

The south and north komatiites, the south and north basalts and the iron formation kinetic leaching tests include eight HCTs (all terminated), four subaerial leaching columns (terminated), and two field cells (both ongoing) from all developments of the project (e.g. Whale Tail Pit, IVR Pit and Underground).

The arsenic loading rates developed based on kinetic testing are conservatively representative of the upper quartile arsenic solid phase and short-term leachate concentrations (Golder 2018) as demonstrated in Figures 18 and 19. Komatiite and iron formation kinetic samples were selected to represent median to upper quartile (75th to 90th percentile) arsenic concentration as shown in Figure 18 (leachable by SFE test) and Figure 19 (solid phase) which presents test results for kinetic test samples of these two lithologies (Whale Tail Pit) relative to the static test database. This is further illustrated by rock type for IVR Pit and Underground in Appendix Figures G-42 to G-50, which present a comparison of static test results of constituents of concern for all kinetic test samples relative to the static test database (box and whisker plots).

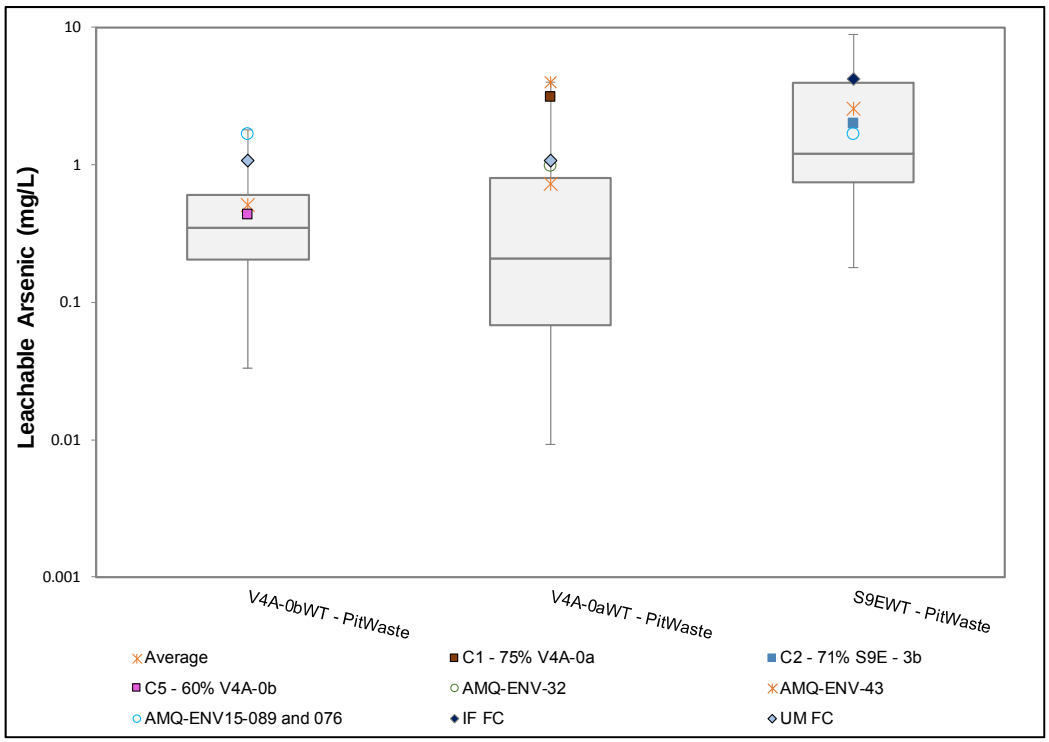


Figure 18: Box and Whisker Plot of Leachable Arsenic (mg/L) for Waste Rock from Whale Tail Pit. Box represents the median with upper and lower quartile; and whisker represents the minimum and maximum values for the static database.

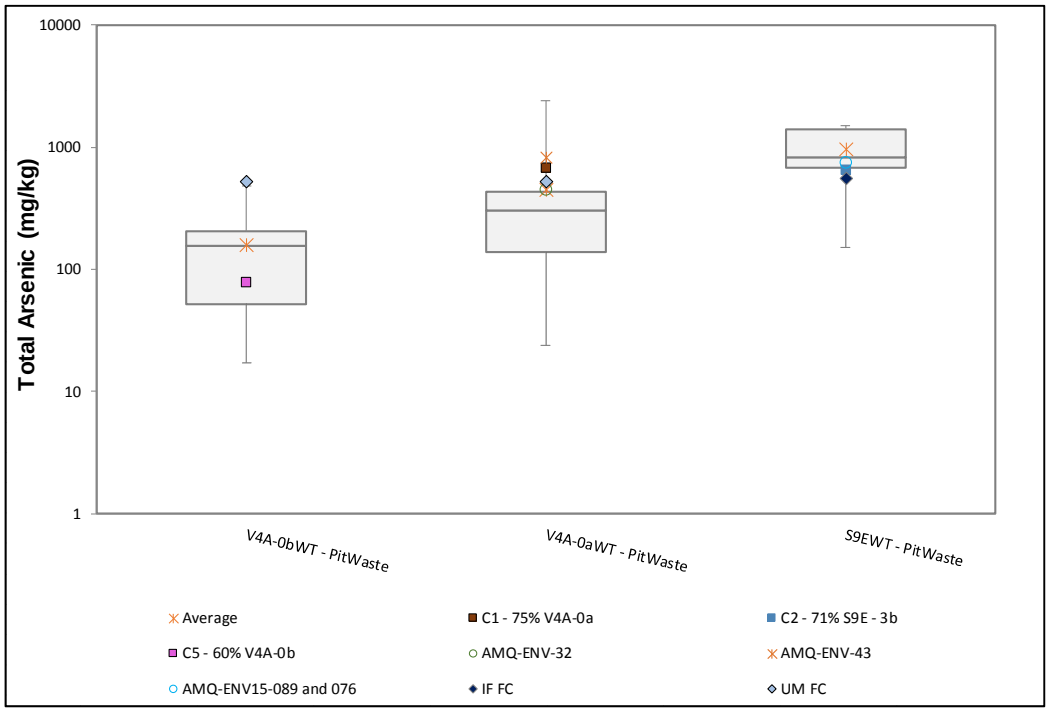


Figure 19: Solid phase arsenic (mg/kg) for Waste Rock from Whale Tail Pit. Box represents the median with upper and lower quartile; and whisker represents the minimum and maximum values for the static database.

In komatiite, iron formation and basalt waste rock, arsenic concentrations decrease very slowly after the first five cycles and continue to exceed 0.1 mg/L by more than approximately one order of magnitude or more after 45 to 85 cycles of testing. Arsenic concentrations for iron formation and komatiite (both north and south) kinetic test leachates were high, exceeding 0.5 mg/L after the first five test cycles. Concentrations for these samples range over one order of magnitude, with the minimum value reported for HCT sample AMQ-ENV-43 (0.58 mg/L at week 45) and maximum value reported for the iron formation field cell (44 mg/L at week 7).

Arsenic concentrations for basalt north and south kinetic test leachate are variable: concentrations are below 0.1 mg/L in the south basalt HCT sample (AMQ-ENV-118) throughout the test period; but are high and steady for the south basalt column C7 remaining around 1 mg/L after the first 3 weeks of testing. Column sample C7 represents the average total arsenic composition for all south basalt samples in the database.

As discussed in Section 4.5, high arsenic concentrations associated with komatiite, iron formation and basalt waste rock are linked to more reactive nickel arsenide minerals (gersdorffite and nickeline) and to a lesser extent arsenopyrite. The variable reactivity of these minerals may result a two-tier arsenic release mechanism:

1) Rapid oxidation of gersdorffite and nickeline and subsequent release of arsenic from associated secondary arsenic sulfosalts. This is observed in SFE and kinetic test results as the first flush arsenic concentrations for these rock types (ranging from 1 to greater than 10 mg/L),

2) A slower release from oxidation of arsenopyrite. This is observed as a long-term release of arsenic that exceeds 0.5 mg/L throughout the kinetic test period.

Most kinetic test leachates have generally stable and circumneutral pH (7.1 to 8.3 at the last cycle analyzed), which is consistent with the NPAG classification of these rock types. One exception is the PAG iron formation ore composite (AMQ-ENV15-089 076) which is discussed further below.

The following trends were observed for the komatiite, iron formation and basalt waste rock HCTs, columns and field cells:

- Sulphate concentrations after the first 10 weeks (ranging from <1 to 270 mg/L) and conductivity (ranging from 40 to 1000 µS/cm) are generally stable with some fluctuations inferring stable oxidation rates of sulphide minerals in NPAG and uncertain samples even under accelerated weathering conditions in the laboratory.
- The low sulphate concentrations and slightly elevated conductivity may indicate that oxidation of less-reactive sulphide minerals (e.g. arsenopyrite) could be a source of long-term labile arsenic, potentially released after highly reactive nickel arsenides are initially depleted (e.g. gersdorffite; see section 4.1).
- The major ions (Ca, Mg) that are released from the dissolution of carbonates, indicative of alkalinity consumption, are low and have a stable trend for all waste rock samples.
- Trace element concentrations (Sb, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, Se, Sr, U, V, and Zn) in leachates are low and on a stable to slightly decreasing trend in most HCT samples and columns.
- Nickel concentrations were elevated in the IF FC leachate exceeding 0.25 mg/L in the second cycle, then decreased to 0.19 mg/L.
- Zinc concentrations increased significantly in both field cells from 0.0040 to 0.12 mg/L (UM FC), and from <0.0020 to 0.0070 mg/L (IF FC).

Two PAG iron formation ore composite HCT samples (AMQ-ENV15-144 and AMQ-ENV15-089 076) report decreasing but neutral pH (pH 7.1 at week 73) or mildly acidic pH (6.6 and 6.1), respectively. Alkalinity is decreasing or largely consumed, and acidity, sulphate, calcium and other metals (Co, Fe, Mn and Ni) are elevated. Given this observation, although iron formation waste rock is designated NPAG by bulk CaNPR, iron formation ore likely has sufficient buffering capacity in the short-term but has a propensity to generic ARD in the long-term once available NP is consumed.

The concentration of metals (Cd, Cu, Co, Pb, Ni, Zn) generally associated with metal sulphide mineral oxidation and thus indicative of ARD (Plumlee et al., 1992) have been summed and plotted in Appendix Figure G-28. Concentrations of these metals have increased steadily in the two IF ore composite HCTs, suggesting active oxidation is occurring in these samples. Further, although both samples show arsenic marginally exceeding 0.1 mg/L in the first few cycles of leaching, concentrations decreased to approximately 0.01 mg/L thereafter, and at concentrations 2 orders of magnitude below those observed for waste rock HCT samples. In contrast, solid phase arsenic content is high (735 to 1100 µg/mg), suggesting that arsenic could be present in a different mineral form in the ore samples compared to waste rock.

4.7.3 Kinetic Test Liquid to Solid Ratio: Effects on Leachate Chemistry

The solid to liquid ratio of the kinetic leaching tests has an effect on parameter concentrations. This was evaluated as described below.

The higher solid to liquid ratio in the field cells (30:1) resulted in highest parameter concentrations but similar loading rate to leaching columns (10:1) and HCTs (1:1). Higher concentrations are noted for major ions (alkalinity, SO_4, Ca, K, Mg, Na) and a number of trace elements (As, Ba, B, Co, F, Li, Mo, Ni, Sb, Se, Sr, Tl, Sb, U and V) in most lithologies for which there are HCTs, columns and field cells. This observed effect is normalized by converting kinetic concentration to a load or mass (mg) of chemical parameter per mass of waste rock (kg) from each test scale by mass, volume and time, to allow for a direct comparison of results and an evaluation of scale-up (i.e. changes in loading rate relative to the mass of material being leached) (see Section 4.7.6).

The effect of the solid to liquid ratio and elapsed time between flushing with water also results in an observed increasing trend in sulphate and trace metals concentrations (Ba, Cd, Co, Mn, Ni, Se, Sr, U, and Zn, and with, Fe, Pb, Cu and Tl but at lower concentration and more sporadic trends), and conductivity in the last five cycles for various HCTs and columns (Appendix Figures G-1 to G-28). Flushing was reduced to once every five weeks, allowing oxidation to occur over longer periods and oxidation products to build up in the material before being washed out with the next wet cycle.

The effect of solid to liquid ratio was further demonstrated, (i.e., showing similar trends) by the drying/wetting cycle that was conducted for columns C1 to C7 to simulate dry summer followed by intense rain fall conditions. Leachate volume was reduced to 750 ml for three cycles (1: 0.75) for week 20 (C1 to C4) and week 16 (C5 and C6) and was followed by one cycle with a larger flush volume (1:5). Concentrations of trace metals and major ions generally increased during the dryer cycles, then decreased (were diluted) in the wet flush cycle. Concentrations differed by approximately the same factor as the solid to liquid ratio difference.

The above suggests that loading rates were similar but concentrations were affected by the amount of water infiltrating the cell. This aspect is an important consideration in forecasting contact water quality from mine infrastructures, where scale factors are applied for water contact to account for reduced water contact. These typically range from 0.1 to 0.65 (Kempton 2012), considering the observed percentage of rock surface that contacts water at mine sites. This has been incorporated into the equation of loading rates used in the development of source terms for the water quality model (Golder 2018).

4.7.4 Submerged Column Results

The data for submerged leaching columns is tabulated and illustrated in time-series graphs included in Appendix G-29 to G-41.

The submerged column leaching test was conducted for 140 days (4.5 months), with waste rock charge material consisting of mixed iron formation and komatiite waste rock shows relatively stable contact water quality for most parameters.

The water collected from Port 1, located in the waste rock pore space 5 cm down from the rock-water interface, had consistently higher parameter concentrations than water in the column above the rock surface where water quality was similar at both ports (5 cm and 25 cm above the rock-water interface). Concentrations in the pore space were initially up to two orders of magnitude higher than in the water column, but in time, trended toward similar concentrations.

For some parameters, pore space concentration decreased with time (for Sb, Cl, Cr, Li, Mo, Ni, Pb, Se, V), while for others, pore space concentrations remained steady (major ions: Al, Ca, Mn, Na, K, SO4, conductivity and alkalinity, and some trace elements including: As, Be, Bi, B, Cd, Co, Cu, F, P, Si, Sn, Th, Tl, U). The stable pore water concentrations for these parameters suggests the presence of soluble minerals; likely secondary oxidation products from sulphide oxidation prior to test initiation (the sample had been crushed for many months prior to use in the test). This corroborates the mineralogical observation and supporting literature review suggesting that the source of arsenic is from the dissolution of secondary mineral salt produced form the oxidation of gersdorffite, which is present in komatiite and iron formation rock samples. As sulphide oxidation is practically arrested upon submergence, the source of labile arsenic and the process of arsenic release under submerged conditions is a finite one. (MEND 2004).

The diffusion of arsenic from the waste rock into the water column is evidenced by steady and elevated arsenic concentrations in the pore space (Port 1) of 1.5 to 2.4 mg/L, while concentrations in the water column above increased from 0.02 mg/L to 0.6 mg/L. Arsenic diffusion rates were calculated based on the results of this test and other kinetic tests and are incorporated into the water quality model (Golder 2018).

4.7.5 Mineral Consumption Rates and Evaluation of ARD Potential

Mineral depletion calculations provide an estimate of time to depletion of acid generating (sulphide) minerals and acid-consuming minerals (carbonates), and thus can be used to evaluate the likelihood of the generation of ARD and approximate time to onset of ARD. Theoretical mineral depletion calculations for pyrite and buffering capacity were completed based on the MEND (2009) guidance using the static ABA data, the measured sulphate and alkalinity release rates, and the leachate volumes; (e.g. pH 6 method), which assumes that the depletion of the neutralization potential occurs theoretically at the same rate as the experimentally determined sulphate production rate.

The calculations were completed for all kinetic test samples except those started in January 2019 for which only the first flush data is reported.

Depletion calculations are theoretical in nature and assume that the sulphide oxidation and buffering mineral dissolution rates observed in the tests will remain stable in the future, which may not be the case when active ARD is initiated. At neutral pH, the oxidation reaction is a slow chemical process, whereas with acidification, the rate of oxidation tends to increase along with the increasing activity of bacterial oxidation. Further, once NP is depleted, the onset of acidic conditions is likely to increase the rate of sulphide mineral oxidation.

The rate of dissolution of buffering minerals depends on the rate of sulphide mineral oxidation and effectiveness of the available buffering minerals. The rate of NP dissolution under laboratory conditions is accelerated compared to site conditions due to several factors including climate, flush volume, and particle size. Scale factors to account for site conditions have been applied to loading rates in the water quality model (Golder 2018).

Further, calculated depletion times do not consider the time equivalency of the laboratory kinetic tests (Section 2.3.4). Field cells, which account for these factors, have not reached steady state leaching conditions and therefore depletion rates were not calculated. Based on these assumptions and testing results to date, the estimated maximum number of years to full depletion of sulphide and buffering minerals under laboratory conditions are summarized in Table 18.

Depletion calculation results are generally in agreement with the static ABA results (i.e., samples classified as NPAG by static ARD classification are also NPAG according to depletion rates of sulphur and neutralization potential), indicating that the komatiite, iron formation, south basalt and south diorite waste rock lithologies will remain buffered with carbonate minerals which largely outlast the time required for complete oxidation of sulphide minerals in these samples under accelerated laboratory conditions. Examples of how calculated depletion rates support ARD classification by ABA include:

- Ore composite samples from south komatiite/iron formation (AMQ-ENV15-089 076 Composite) and iron formation (AMQ-ENV15-144), which are classified as PAG by static tests, are confirmed to be PAG based on the depletion calculation.
- Depletion calculations for two north greywacke HCTs and one north greywacke column (C9) from Whale Tail Pit support the uncertain bulk ARD classification for this unit and deposit location: one NPAG HCT is confirmed to be NPAG based on depletion rates, while the other NPAG HCT is found to be PAG based on depletion rates.
    - C9 is confirmed to be PAG based on depletion rates; however, it has maintained neutral pH after 52 weeks. The difference between these samples and predicted weathering behaviour is attributed to their variable sulphur content.
- The PAG classification for central chert and central greywacke lithologies is corroborated by mineral depletion calculations inferring that buffering capacity is likely to be consumed before the sulfide minerals are fully oxidized.

Three of these samples are estimated to acidify in the HCT in 1 to 5 years under accelerated laboratory conditions whereas the PAG greywacke leaching column would be amenable to acidification in more than 18 years under laboratory conditions. This time frame for the laboratory leaching columns (1.5 to 5 years or 78 to 260 weeks) represents more than a decade in the field (Section 2.3.4.3). This period of time is likely underestimated because it does not consider: 1) the buffering capacity afforded by the other waste rock with which it will be mixed in the pile; 2) slower sulphide mineral oxidation kinetics at lower site temperatures; 3) the 8 months of freezing conditions; and, 4) the lower rock to liquid ratio in the field that slows the rate of buffering mineral dissolution (consumption).

In summary, the calculated delay to the onset of ARD in PAG samples is substantially longer than the 7 years of mine construction, operations and closure, with the possible exception of the upper tier high sulphur – low buffering capacity greywacke or chert rock.

Table 18: Mineral Depletion Calculations – HCTs, Columns and Field Cells

Kinetic Test	Kinetic Test Identification	Target Rock Type	Sample Location	Results of Static Tests			Depletion Calculations			Final Week of Testing Reported	Test Status
				S(T) %	CaNPR	ARD	Time to Sulphur Depletion (years)		ARD		
							S_T	CaNP			
HCT	AMQ-ENV-40	Chert	WT Pit	1.3	0.38	PAG	126	73	PAG	160	Ongoing
	AMQ-ENV15-133	Chert	WT Pit	2.8	0.024	PAG	111	1.9	PAG	73	Terminated
	AMQ-ENV15-054	Chert	WT Pit	4.3	0.069	PAG	37	4.6	PAG	36	Ongoing
	AMQ-ENV-114	South Diorite	WT Pit	0.046	4.5	NPAG	15	44	NPAG	45	Terminated
	AMQ-ENV-37	Central Greywacke	WT Pit	0.16	3.6	NPAG	65	70	NPAG	45	Terminated
	AMQ-ENV-18	Central Greywacke	WT Pit	0.31	0.68	PAG	86	27	PAG	45	Terminated
	AMQ-ENV-28	Central Greywacke	WT Pit	0.56	0.16	PAG	10	3.0	PAG	24	Terminated
	AMQ-ENV15-065	Central Greywacke	WT Pit	0.31	0.26	PAG	151	23	PAG	36	Ongoing
	AMQ-ENV15-120	Central Greywacke	UG	0.53	0.23	PAG	160	20	PAG	36	Ongoing
	AMQ-ENV15-120 (Duplicate saline)	Central Greywacke	UG	0.53	0.23	PAG	203	18	PAG	36	Ongoing
	AMQ-ENV16-47	North Greywacke	WT Pit	0.18	2.3	NPAG	90	71	PAG	36	Ongoing
	AMQ-ENV16-49	North Greywacke	WT Pit	0.033	12	NPAG	5.4	36	NPAG	36	Ongoing
	AMQ-ENV17-25	South Greywacke	WT Pit	0.14	5.3	NPAG	83	127	NPAG	36	Ongoing
	AMQ-ENV-32	North Komatiite	WT Pit	0.028	145	NPAG	6.9	258	NPAG	45	Terminated
	AMQ-ENV-43	North Komatiite	WT Pit	0.033	302	NPAG	11	680	NPAG	45	Terminated
	AMQ-ENV15-068	North Komatiite	UG	0.045	33	NPAG	9.7	173	NPAG	36	Ongoing
	AMQ-ENV17-44	South Komatiite	IVR Pit	0.087	55	NPAG	45	1622	NPAG	36	Ongoing
	AMQ-ENV16-53	North Basalt	IVR Pit	1.5	1.2	uncertain	238	155	PAG	36	Ongoing
	AMQ-ENV-118	South Basalt	WT Pit	0.15	9.8	NPAG	70	103	NPAG	44	Terminated
	AMQ-ENV15-144	Iron Formation ore	UG	3.9	0.19	PAG	211	34	PAG	73	Terminated
	AMQ-ENV15-089 076 Composite	South Komatiite/ Iron Formation ore	WT Pit	3.6[2]	0.38[2]	PAG	82	55	PAG	89	Terminated
Subaerial Columns	C1	75% V4A-0a / 25% S9E-S9D	WT Pit	0.41	7.1	NPAG	161	396	NPAG	89	Terminated
	C2	71% S9E-S9D / 18% V4A-0a	WT Pit	0.52	5.1	NPAG	75	225	NPAG	89	Terminated
	C3	56% S3C / 44% S10	WT Pit	1.1	0.056	PAG	27	18	PAG	89	Terminated
	C4	43% S3C / 38% S3S	WT Pit	0.27	1.3	Uncertain	46	51	NPAG	156	Ongoing
	C5	60% V4A-0b / 20% V3-1b	WT Pit	0.26	11	NPAG	60	292	NPAG	85	Terminated
	C6	58% S10 / 17% S3C / 17% V4A-0b	WT Pit	2.5	0.057	PAG	52	40	PAG	152	Ongoing
	C7	86% V3-1b / 14% V4A-0b	WT Pit	0.046[1]	166[1]	NPAG	18	177	NPAG	75	Terminated
	C9	67% S3N / 33% V4A-0a	WT Pit	0.59	0.37	PAG	84	95	NPAG	92	Ongoing
Field Cell	UM FC	92% V4A / 8% S9E-S9D	WT Pit	0.032[1]	176[2]	NPAG	n.c.	n.c.	n.c.	8	Ongoing
	IF FC	79% S9E-S9D / 14% V4A-0a	WT Pit	1.0[1]	1.1[2]	uncertain	n.c.	n.c.	n.c.	8	Ongoing

Notes:
[1]Average of static test samples included in charge material
[2]Bulk CaNPR for charge material.
n.c. steady state conditions not yet achieved; depletion rates not calculated.
WT = Whale Tail; UG = underground

4.7.6 Loading Rates

Loading rates are calculated for each waste rock lithology based on large column leaching tests, with the exception of the intermediate intrusive unit, which is based on HCT results; ore based on HCT results, and overburden based on SFE results. Loading rates and concentrations used as inputs in the water quality model are tabulated in Appendix I, including the unique sample identifiers used to develop each input value.

The weekly analytical results (for the full duration of testing available at the time of this report) were used to calculate an average weekly leaching rate per unit mass for each constituent and each leaching cell or column. These leaching rates were applied in the water quality model (Golder 2018). Loading rates were calculated from the large column data as follows:

$$Loading\ Rate\left(\frac{\frac{mg}{kg}}{week}\right) = average\ of\ weekly\ rate, as: \left\{\frac{\left(concentration\left(\frac{mg}{L}\right) \times leachate\ volume\ (L)\right)}{(mass\ of\ charge\ material\ (kg))}\right\}$$

4.7.6.1 Arsenic Loading from Waste Rock and Scale-up Considerations

Arsenic concentrations in leachates reported from the field cells and subaerial LC tests are one or more orders of magnitude higher than the HCT concentrations, which is proportional to a higher solid to liquid ratio (Section 4.7.2). Conversion of this kinetic data to a load or mass (mg) of chemical parameter per mass of waste rock (kg) normalizes data from each test scale by mass, volume and time, to allow for a direct comparison of results and an evaluation of scale-up from laboratory results to anticipated field behaviour (i.e. changes in loading rate relative to the mass of material being leached).

Figure 20 presents the average weekly arsenic loading rate (mg/kg) for each HCT, column, and field cell kinetic test, along with its corresponding load from short-term leach tests (SFE) and its solid phase arsenic by ICP analysis (mg/kg). The following summarizes the observations on arsenic leachability:

- The total arsenic content is generally higher in the iron formation, komatiite, and basalt samples and they show higher arsenic loading rates per kg of rock than the greywacke, diorite and chert. The total arsenic content of chert, which is higher than the greywacke and diorite lithologies, is slightly lower than the ultramafic and iron formation; however, the much lower loading rate suggests a different mineralogical occurrence of arsenic in chert compared with komatiite, iron formation and basalt waste rock (Section 4.1).
- Static arsenic loads (SFE), which represent aggressive agitation over a 24-hour shaking period, are higher than average weekly kinetic arsenic loads, and are attributed to the lower solid to liquid ratio used in the SFE test method, whereby dissolution of soluble mineral phases are enhanced compared to the dryer column, and even dryer field cell conditions. Thus, the SFE test results, which represent short term laboratory leaching conditions, likely overestimate the anticipated steady state leachate loading rates and provide an overly conservative estimate of potential long-term arsenic concentrations under site conditions (Section 2.3.4).
- The field cell arsenic loading for the komatiite and iron formation units are lower than the laboratory column tests by approximately one order of magnitude. This could be related to the effects of site climate on the reaction rates, as supported by established geochemical principles (e.g. Arrhenius equation), higher solid to liquid ratio in the field cells, or the difference in charge material composition for each test. This further supports the overly conservative estimate by the more aggressive laboratory testing of the potential arsenic concentrations under field conditions.

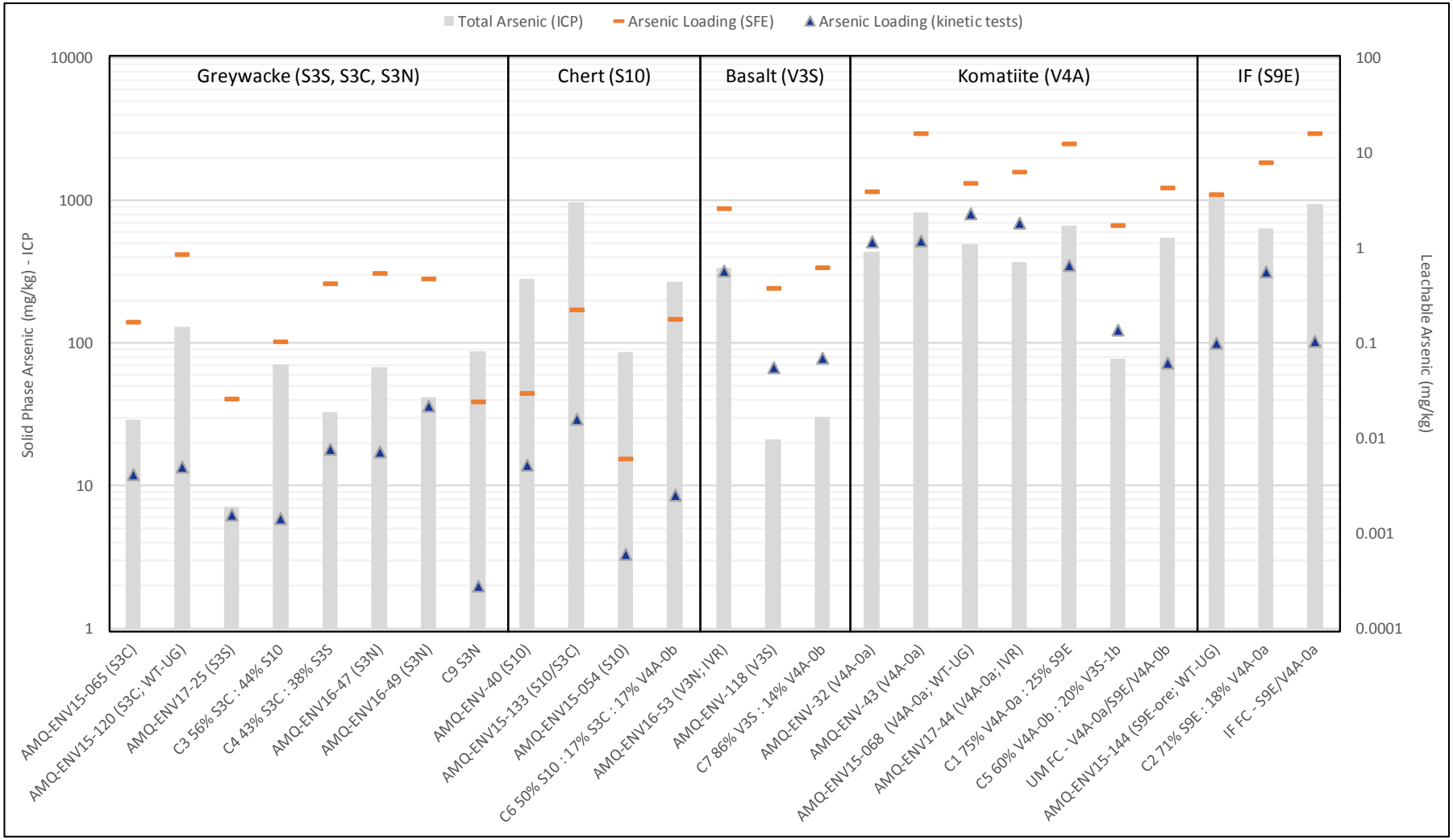


Figure 20: Total arsenic (mg/ kg) versus calculated arsenic load for waste rock HCTs, columns and field cells

4.8 Composite Samples

As noted in Section 1.1.2, the lithology of each sample in the geochemical database is assigned based on the block model designation presented in the mine plan (Agnico Eagle, 2018f), rather than the rock type noted in the borehole logs. This approach accounts for the geological interpretation of the deposit in the block model and reflects the potential for heterogeneity of each mined "block" during operations. Since the program began in 2015, the block model has been reinterpreted and some samples, which were previously collected to represent a single block model lithology, are now interpreted to include two or more lithologies; for these samples the lithology is referred to as "composite" in the geochemical database. Appendix C-2 provides detail on the composite sample intervals including the rock type as logged. Results are summarized in Table 19, grouped by the logged lithology.

Of the fifteen (15) rock and ore samples categorized as "composite", 8 samples are PAG and 7 samples are NPAG. The PAG samples generally align with those that contain chert, with the exception of one sample logged as iron formation and another logged as gabbro (included in basalt block model; Section 1.3.1). Two of the three ore samples are PAG, while one sample has lower total sulphur content and is NPAG. Total sulphur ranges from 0.012 to 4.0 wt%, with the maximum concentration in an ore sample that reports a negative NP value suggesting that buffering capacity in this sample is depleted.

Enrichment, where trace element concentrations that are greater than five times the typical crustal abundance (Price, 1997), is observed for antimony, arsenic, bismuth, cadmium, chromium, nickel, selenium, and silver. Higher arsenic concentrations are generally observed in the komatiite and iron formation waste rock, as well as the ore samples, although one chert / central greywacke sample reports the second highest arsenic concentration after an ore sample.

The final pH values of the SFE leachates are generally circumneutral to alkaline with majority of values ranging from 6.4 to 10, corroborating the presence of some available buffering capacity to neutralize acid in the short term in all samples. The PAG ore sample reporting mildly acidic pH (6.4) corresponds to the highest total sulphur content with negative NP.

The results of the composite samples highlight the variability in material reactivity that can occur as a result of the potential heterogeneity of each mined "block" during operations. For example, the SFE leachate parameter concentrations for aluminum (ranging from 0.0045 to 1.5 mg/L), arsenic (ranging from 0.12 to 1.4 mg/L), and cadmium (ranging from < 0.0000030 to 0.0032 mg/L). Aluminum concentrations are likely associated with particulates. Elevated arsenic concentrations are observed mostly in samples containing iron formation and komatiite, though two greywacke/chert samples also report elevated concentrations exceeding 0.1 mg/L.

This evaluation indicates that blocs which contain PAG or ML rock can have PAG and ML characteristics even if they are designated as a lithology that would not otherwise be PAG or ML. This will need to be considered particularly at contact areas between PAG/ML and non PAG / NML lithologies.

Table 19: Summary of Composite Sample Results

Sample ID	Deposit	Material	Rock Type (Code)	Rock Type (logged)	Total Sulphur (%)	CaNPR	ARD Potential	Total Arsenic (mg/kg)	SFE Arsenic (mgL)	SFE pH	Parameter Concentrations Greater than Five Times Typical Crustal Abundance (Price 1997) [1]
AMQ-ENV-54	WT Pit	Ore	S10_03/V4A-0b	_S6	4.0	-0.13	PAG	310	0.027	6.4	Ag, As, Bi, Se
AMQ-ENV16-20	IVR Pit	Waste	S3N/S10_contact	_S3	0.19	5.1	NPAG	81	0.061	9.2	As, Bi, Sb
AMQ-ENV16-42	WT Pit	Waste	S10_Contact	_S3	0.24	3.5	NPAG	90	0.12	9.6	As, Bi
AMQ-ENV15-113	UG	Waste	S10_01/S3C	_S3	0.37	0.55	PAG	93	0.20	9.8	As, Bi
AMQ-ENV15-058	WT Pit	Waste	S10_01/S3C	_S3/_S10	1.8	0.073	PAG	32	0.012	8.2	Ag, As
AMQ-ENV17-56	UG	Waste	V4A-0b/S10_03	_S10E	2.7	0.32	PAG	420	0.10	9.3	Ag, As, Bi, Sb, Se
AMQ-ENV15-133	WT Pit	Waste	S10_03/S3C	_S10_sSi	2.8	0.024	PAG	970	0.056	8.3	Ag, As, Sb
AMQ-ENV15-144	UG	Ore	S9E/S10_01	_S10_sSi	3.9	0.19	PAG	1100	0.90	8.9	Ag, As, Bi, Cd, Cr, Ni, Sb, Se
AMQ-ENV15-134	WT Pit	Ore	S3C/S10_01	_S10_sSi/_S9E	0.056	9.4	NPAG	290	0.019	8.5	Ag, As, Cd, Sb
AMQ-ENV15-035	WT Pit	Waste	S9E/S10_03/V4A-0b	_S9E	1.5	0.19	PAG	320	0.36	9.6	As, Bi, Cr, Ni, Sb
AMQ-ENV15-062	UG	Waste	V4A-0a/S9E	_V4A	0.036	166	NPAG	510	1.2	9.2	As, Cr
AMQ-ENV15-072	UG	Waste	S10_03/V4A-0b/V3-1b	_V3/_V4A	0.012	30	NPAG	280	1.4	10	As, Cr
AMQ-ENV16-58	IVR Pit	Waste	V4A-0a/V3-1a	_I3A	0.14	10	NPAG	110	0.020	9.7	As, Bi
AMQ-ENV16-19	IVR Pit	Waste	S3N/S10_contact	_V3	0.049	43	NPAG	38	0.015	9.7	As, Sb
AMQ-ENV16-22	IVR Pit	Waste	V3-1b/V4A-0a	_I3A	2.7	0.24	PAG	79	0.031	9.0	Ag, As, Bi, Sb, Se

Notes:
[1] Number in parenthesis represents the number of samples that are enriched relative to typical crustal abundance.
n.e. no exceedance
WT = Whale Tail; UG = underground

5.0 RESULTS FOR TAILINGS AND PROCESS WATER

Results of static tests on tailings solids, process water analysis, and long-term kinetic leaching tests (i.e. HCTs) are presented below, with complete results presented in Appendix Tables H-1 to H-6, Appendix Figures H-1 to H-10 (static figures), and Appendix Figures H-11 to H-26 (kinetic figures). Laboratory certificates for static and kinetic analytical results are included in Appendix J and K, respectively.

Five (5) tailings samples and their process water were obtained from metallurgical testing on material from major ore zones from the Whale Tail Pit samples. The ore used to generate the composite samples of the Whale Tail Pit tailings material analyzed in this study is presented in Table 4. Composites of varying composition have been analyzed during this study.

5.1 Acid Generation Potential

The results of ABA and NAG testing are tabulated in Appendix H-1 and H-2 which provide information on the ARD potential of each sample as determined based on sulphide sulphur content, the net potential ratio (NPR) based on the bulk NP of the sample, accounting for lime added in the metallurgical process (Section 2.3.3.1 and 2.3.3.4) and NAG pH. Presented with the data are results of statistical analyses and the calculated bulk characteristics of the tailings, including the sum of NP and AP and the bulk NPR (sum NP / sum AP). Appendix Figures H-1 to H-5 illustrate results of ABA testing, including ARD classification using NPR.

A summary of the ABA results and the designated ARD potential of all samples is presented in Table 20.

Table 20: Summary of Acid Base Accounting Results

Sample Identification	Proportion of Major Ore Zone[1]	Paste pH	Sulphide Sulphur	Sulphate Sulphur	Bulk NP[2]	NPR	ARD Potential
Units	-	s.u.	%	%	[2]	-	-
RE-13872/ RE-13874	50%S10	8.6	2.8	0.54	-6.8	-0.078	PAG
RE-17092 (S3QZ)	25% S9E	9.0	3.3	0.53	43	0.41	PAG
RE-17098 (ALTV4)	25% V3+V4	9.1	3.4	<0.02	66	0.63	PAG
RE-17104 (HGZ)	100% S10	8.7	3.6	0.55	49	0.44	PAG
EN-037469 (Combined)	100% S9E	8.6	3.3	0.14	60	0.57	PAG

Notes:
[1] per host lithology as presented in Table 4.
[2] t CaCO3/1000t.

All tailings samples are PAG (Appendix Figure H-4), with NPR values ranging from -0.078 to 0.63. Sulphate sulphur content ranges from <0.02 to 0.55 wt%, which may be an indication of sulphur oxidization or an artifact of the metallurgical process.

Lime addition in the process plant (Section 1.3.3) augments the buffering capacity of the tailings, which is reflected in the Bulk NP results (Section 2.3.3.1). This is presented in a scatterplot figure of Bulk NP values compared to CaNP (Appendix Figure H-2). Although the use of Bulk NP (ranging from -6.8 to 66 t $CaCO_3$/1000t) over CaNP incorporates buffering capacity from lime which may be short lived, the ARD classification is still PAG for all samples using either NP value (Appendix H-1). Kinetic testing (Section 5.4) show a delay to the onset of acidic conditions which is likely attributable to the lime, and therefore should be considered in estimation of buffering capacity (Section 5.4.1).

The sample RE-13872/RE-13874 reports a negative NP value which indicates that all NP is depleted. This sample was analyzed by sequential NAG testing (Appendix H-2). The reported sulphate concentration for each NAG step was summed and calculated as a proportion of available total sulphur and suggests that the test was successful in oxidizing 91% of the available sulphide mineral content. The final NAG pH value was below 4.5 for all four steps of the sequential test, confirming the sample is PAG (AMIRA, 2002).

Circum-neutral to slightly alkaline paste pH values attest to the presence of immediately available buffering capacity in all samples, likely related to lime addition in the process, in which case the buffering capacity could be short lived if ARD were to initiate.

5.2 Chemical Composition

The whole rock analysis results (Appendix H-3) indicate that major constituents in all tailings samples include silica, iron, aluminum, and magnesium. The tailings sample derived from ultramafic-hosted ore has lower silica and higher iron, calcium and magnesium content than the tailings samples derived from silicate-rich zones ore, while the composite reports a content in between these that reflects the mix of these materials.

The trace metal composition of the tailings samples is summarized in Appendix H-4, where concentrations that are greater than five times the typical crustal abundance (Price, 1997) are considered to be significantly enriched in Whale Tail tailings samples. Tailings samples are enriched in antimony, arsenic, bismuth (RE-13872/RE-13874 only), chromium (except RE-17092), molybdenum (except RE-13872/RE-13874), nickel (RE-17098 (ALTV4), RE-17104 (HGZ), and EN-037469 (Combined) only), selenium (except RE-17098) and silver (except EN-037469).

5.3 Short-Term Metal Leaching Potential

Short-term leachate quality results for tailings samples are tabulated in Appendix H-5, with constituents of potential interest illustrated in Appendix Figures H-6 to H-10.

The final pH values of the SFE leachates are circumneutral to alkaline with values ranging from 7.8 to 9.6, corroborating the presence of available buffering capacity to neutralize acid in the short term in all samples.

For all tailings samples investigated, the concentrations of most licensed Portage Effluent Criteria parameters (2AM MEA1525, NWB, July 2015) are generally low except for arsenic, copper and nickel.

Arsenic concentrations are greater than 0.5 mg/L in four tailings samples (RE-17092, RE-17098, RE-17104, and EN-037469) ranging from 0.86 (EN-037469) to 3.8 mg/L (RE-17098), while sample RE-13872/RE-13874 has a much lower arsenic concentration of 0.023 mg/L. Nickel concentrations are variable, ranging over 3 orders of magnitude from 0.0047 mg/L (RE-13872/RE-13874) to 1.0 mg/L (RE-17098). Arsenic and nickel are also observed to be enriched compared to average crustal abundance in the solid phase (Section 5.2); solid-phase arsenic is enriched in all samples (Appendix Figure H-8), and solid phase nickel is also enriched in the two samples with the highest nickel concentrations (Appendix Figure H-8; RE-17098 and RE-17104). Copper concentrations are greater than 0.1 mg/L in three tailings samples (RE-17092, RE-17098, and RE-17104); with no discernible trend observed between leachable and solid-phase copper (Appendix Figure H-7).

The potential for short-term arsenic release under highly-oxidizing conditions was investigated by analysis of sequential NAG test leachate analysis on one tailings sample (RE-13872/RE-13874). Acidic pH is reported throughout all steps of the test, indicating this sample is PAG. The interpretation of results from sequential NAG leachate analysis indicate that 91% of the available sulphide mineral content was oxidized (Section 3.1). Using the same calculation, only 1% of available arsenic content was liberated by oxidation of sulfide minerals, suggesting arsenic in this sample is present in a non-sulfide mineral phase.

A negative correlation (R = -0.6) between leachable and total arsenic is observed (Figure 21). The sample with the highest total arsenic content (>3000 ug/g), RE-13872/RE-13874, leaches arsenic at the lowest concentration of all tailings samples. This may be due to arsenic being present in a more stable mineral form that is not readily liberated during processing, corroborating the sequential NAG leachate findings.

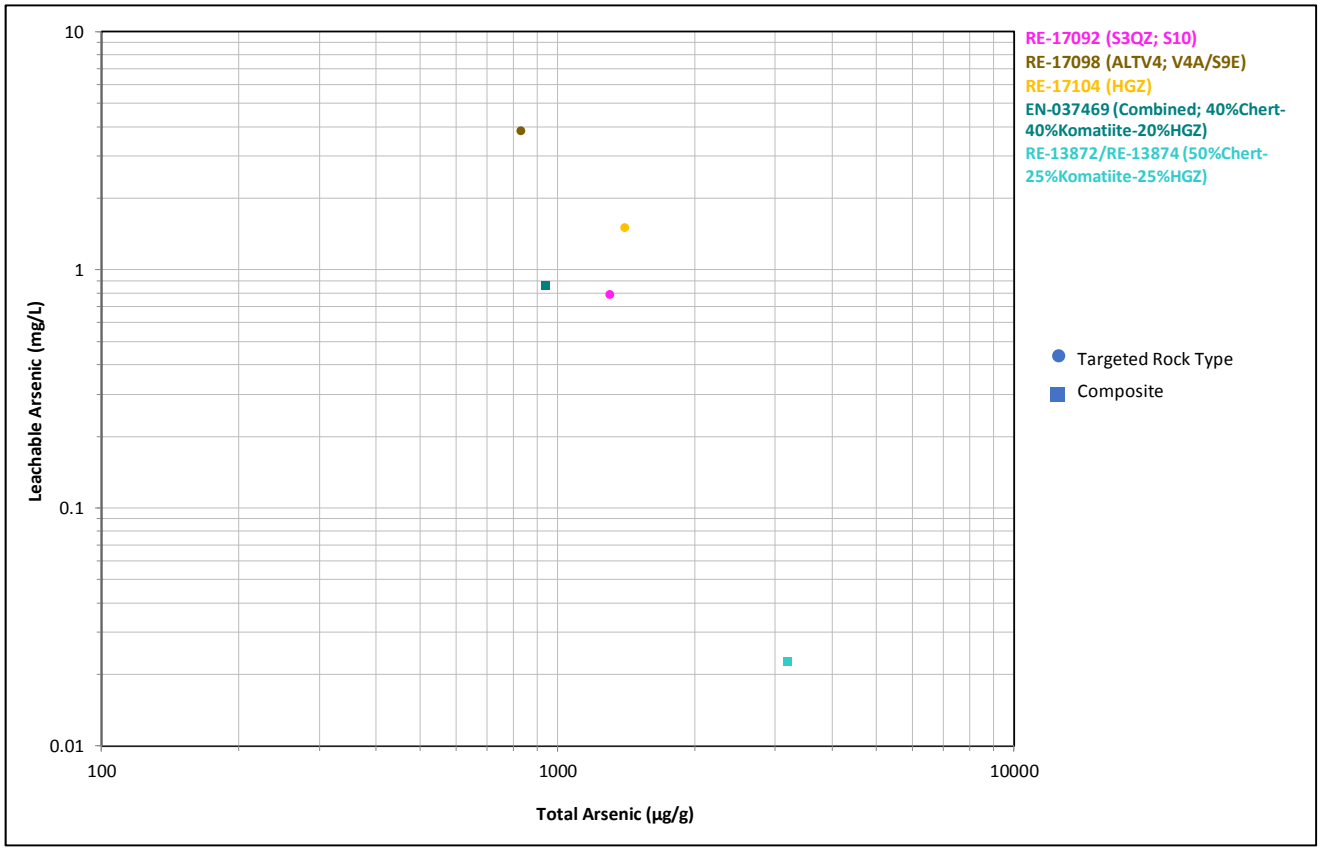


Figure 21: Leachable arsenic (mg/L) versus total arsenic (ug/g)

The ARD/ML potential is further verified though kinetic testing and calculated depletion rates.

5.4 Long-Term Kinetic Leaching Potential

Long-term kinetic leach testing by HCTs was conducted on two composite tailings samples: RE-13872/RE-13874 was initiated April 2015 and terminated after 44 weeks while EN-037469 the other sample was initiated December 2016 with results included up to 95 weeks at the time of reporting. Sample RE-13872/RE-13874 was terminated because the test time extended beyond anticipated tailings exposure time and stable leaching trends were observed, while EN-037469 was extended to evaluate the timing to onset of acidic conditions.

The results of the HCTs are presented as time series graphs in Appendix Figures H-11 to H-26 and summarized in Table 21.

Table 21: Summary of Tailings Kinetic Leaching Test Results to Date

Sample Identification	Sample ARD Potential[1]	Last Leach Cycle Analyzed	pH at Last Leach Cycle
RE-13872/RE-13874	PAG	44 (terminated)	7.4
EN-037469 (Combined)	PAG	95 (on-going)	7.0

Note:
[1] ARD classification based on NPR as per MEND (2009).
[2] Water License #2AM MEA1525 (NWB, July 2015).
n.e. no exceedances.

Although the tailings samples are PAG (Section 5.1) with relatively elevated sulphur and sulphide content, both samples remained circumneutral after over 40 weeks of accelerated weathering. This is likely due, at least in part, to the added lime at the time of processing (Agnico 2018). The following general trends observed:

- The leachate pH remained circumneutral, ranging for both samples between 7.0 and 8.4.
- Alkalinity is in the range typically observed for carbonate minerals in surface water, and remained stable throughout testing, fluctuating after week 5 between 5 and 17 (RE-13872/RE-13874), and between 7 and 17 mg/L (EN-037469) as mg/L $CaCO_3$.
- Sulphate decreased from 480 and 620 mg/L at week 0 to below 200 mg/L in both samples by week 14, remaining steady at around 80 mg/L, except one low concentration reported for EN-037469 in week 54 after which it returned to around 80 mg/L for the remaining measurements. While the initial concentration peak is likely related to copper sulphate used in the process and the drainage of process water from the HCT, this steady state consistent release of sulphate reflects low level sulphide oxidation.
- Conductivity steadily decreased from an initial concentration of 1330-1410 us/cm to around 200 us/cm by week 20, where it remained stable in both samples through the remainder of testing (except a one-time low concentration at week 54 in sample EN-037469, corresponding to observations of sulphate at this time). Conductivity and sulphate trends are similar and suggest that sulphate is one of the main ions contributing to conductivity.
- Arsenic remained below 0.3 mg/L from the beginning of testing (around 0.05 mg/L) for sample RE-13872/RE-13874. In comparison, concentrations in the first five weeks for sample EN-037469 were significantly higher, ranging from 0.15 to 0.29 mg/L then decreased steadily to 0.015 mg/L at week 95.
- Chloride was initially above 100 mg/L in both tailings samples, then decreased steadily (immediately at week 2 in RE-13872/RE-13874, and after 5 weeks in EN-037469) and below the method detection limit in both samples after week 10. The chloride concentration is potentially sourced from calcium chloride used during ore grinding (AEM, 2018), (ranging from 17 to 1600 mg/L in process water; Section 5.5).
- Copper followed a similar trend to chloride with an initial increase in both samples (exceeding 0.1 mg/L at weeks 3 to 5 in sample RE-13872/RE-13874 only), followed by a decrease and stable concentration below 0.01 mg/L.

- Nickel reported peak concentrations at cycles 5 and 10 but continually and substantially decreased thereafter in both samples.
- The cyanide, ammonia, and nitrate concentrations (measured for sample RE-13872/RE-13874 only) declined steadily during the first 4 weeks of testing; only total cyanide was above the limit in the first cycle of testing. This reflects the process water being flushed out of the sample. Cyanide analyses were stopped after 5 weeks.

5.4.1 Tailings Mineral Depletion Calculations

Mineral depletion calculations were completed for both tailings HCTs to determine the estimated maximum number of years to full depletion of sulphide and buffering minerals under accelerated laboratory conditions, based on the Empirical Open System NP Consumption around Neutral pH method described in MEND (2009) (Table 22).

Depletion calculation results are generally in agreement with the static ABA results, i.e., both samples classified as PAG by static ARD classification are likely to develop acidic conditions after the buffering capacity is utilized. This finding is further supported by sequential NAG test results (RE-13872/RE-13874; Section 6.1).

Table 22: Mineral Depletion Calculations – Tailings HCTs

HCT Identification	pH at Last Leach Cycle	Results of Static Tests			Depletion Calculations		
		Sulphide Sulphur (%)	NPR	ARD Potential	Time to Depletion (Years)[1]		Classification
					S2-	NP	
RE-13872/RE-13874	7.4	2.8	-0.078	PAG	15	<1[2]	PAG
EN-037469	7.0	3.3	0.57	PAG	29	15	PAG

Notes:
[1] Depletion calculation as per MEND (2009).
[2] Based on the depletion rates for both NP and CaNP due to the negative NP value

In theory, tailings would be amenable to acidifying after buffering capacity is consumed, estimated to occur in up to 15 years under laboratory conditions. The negative NP of sample RE-13872/RE-13874 is anticipated to reflect the oxidation of the sample in storage prior to metallurgical processing and geochemical testing and thus not reflective of freshly processed tailings.

5.5 Process Water Quality

Results of chemical analyses of the process water are presented in Appendix H-6. The process water will be captured, and the water quality monitored prior to discharge according to standards currently approved for operation of the Meadowbank TSF and therefore not discharged directly to the receiving environment.

The process water quality from the five (5) tailings samples are circumneutral to alkaline, ranging from 7.7 to 11.

Observations of elevated chloride, copper and sulphate are likely due to the metallurgical process: calcium chloride is used during ore grinding and copper sulphate is a process reagent (AEM, 2018). Concentrations of chloride in process water ranged from 17 to 1600 mg/L. Sulphate concentrations range from 290 to 8000 mg/L, with the maximum concentration for the sample RE-13872/RE-13874.

Concentrations of total cyanide in tailings samples range widely, from 0.42 to 411 mg/L and are greater than 0.5 mg/L in all samples except EN-037469. However, it should be noted that the cyanide destruction process and cyanide dosage used for the generation of these samples may not necessarily reflect the total cyanide content in the final Meadowbank Mill effluent. Agnico Eagle will use the current cyanide destruction circuit at Meadowbank Mill.

6.0 SUMMARY AND CONCLUSIONS

This report presents the results of the geochemical characterization program conducted to date on mining wastes that are expected to be produced from the exploitation of the Approved Project and the proposed Expansion Project, to include the Whale Tail Pit, IVR Pit and Underground mining below both pits. This characterization program was initiated in 2015 and is on-going. The goal of the program is to obtain compositional and reactivity information on mine waste materials from which to define appropriate facility designs, mine waste and mine contact water management plans and inputs to a water quality modelling exercise (presented in Golder 2018) which together, aim to minimize the environmental impact of the Project from construction to post-closure.

The characterization program design follows the recommendations of MEND (2009). The analytical program includes static geochemical tests and kinetic weathering tests to evaluate the chemical composition, acid-generation and metal leaching potentials and relative reactivity of ore, tailings, mine wastes and construction materials. Kinetic weathering tests are still on-going on samples of waste rock, ore and tailings from the deposit, including two field cells of waste rock located at the Project.

6.1 Overburden and Lake Sediment

The overburden and lake sediment are NPAG based on the low sulphide sulphur content. Arsenic leaching potential is low in the overburden whereas it is elevated in the lake sediments. All overburden and lake sediment will be stored permanently in the core of the Whale Tail WRSF and IVR WRSF.

6.2 Waste Rock

The main lithological units that will be mined for the expansion are the same as those of the Approved Project. They include: komatiites, sedimentary rocks (greywacke, iron formation and chert), basalts, and diorites. Similar to the Approved Project, sulphide mineralization of the Whale Tail expansion, the IVR pit and Underground carries arsenic and has a low sulphur content but buffering capacity can also be low in some lithologies. The geochemical properties of waste rock lithologies in the proposed Expansion areas are also similar to those defined for the Approved Project.

The results of the characterisation program for the Expansion Project and updates to the Approved Project program (additional kinetic test results) are summarized within the context of waste management for each anticipated waste rock reactivity including PAG/ML waste rock, which will require permanent management, and NPAG/NML waste rock, which will be suitable for construction use and WRSF cover.

Given the similarities of geochemical properties between the Expansion and Approved projects, the waste segregation criteria and recommended mine waste management methods remain the same.

6.2.1 NPAG / NML Waste Rock for Construction and Cover

NPAG/NML units include south greywacke and diorite. Given that these lithologies contain ample excess carbonate-mineral (reactive) buffering capacity, they are not expected to require means to control ARD. Although the other waste rock lithologies (komatiites, north and central greywacke, iron formation, chert, and basalts) are PAG and/or ML, they contain some material that is NPAG / NML.

Only NPAG and NML waste will be will be used as infrastructure construction material on the mine site as well for the cover material for the WRSFs. This material will be either used directly or stockpiled for later use. PAG and leachable rock will be stockpiled in the waste area of the WRSF which will be progressively closed (covered). This rock will not be used for construction.

During construction and mining operation, waste rock will be sampled, tested and segregated based on analytical results using criteria detailed in the Operational ARD/ML Sampling and Testing Plan (Agnico Eagle 2018c). Total sulphur below 0.1 wt% (Section 4.2.4) appears to be a suitable cut-off below which waste rock can be categorized as NPAG for all lithologies. Where total sulphur is above 0.1 wt%, the CaNPR will be used to distinguish between NPAG (CaNPR>2) and PAG (CaNPR<1) rock. This cut-off is consistent with the approach established for the Approved Project (Golder 2016a) and is supported by the strong correlation between ARD potential determined based on CaNPR, and total sulphur content; that is: samples which have sulphur below 0.1wt% also have a CaNPR higher than 2 (Section 4.2.4).

Lithologies reporting total arsenic content of less than 75 µg/g to 100 µg/g (ppm) (Section 4.6) include those that release low arsenic concentrations in both static and kinetic tests. Arsenic release from these waste rock types was further evaluated in the water quality model (Addendum Volume 6, Appendix 6-H) and yields suitable water quality.

The approach to waste segregation following chemical criteria reduces the risk of contamination of construction rock compared to the use of lithology alone which has the following risks:1) the possibility of mining areas of mixed lithologies, and 2) the variable ARD/ML properties of some lithologies such as iron formation and north greywacke. Monitoring will continue to document the sulphur and arsenic content of waste rock per the Operational ARD/ML Sampling and Testing Plan (Agnico Eagle 2018c) and the chemical criteria will be evaluated continuously throughout operations.

6.2.2 PAG and Leachable Waste Rock to WRSF

PAG units include chert and central greywacke and some of the iron formation. These units represent approximately 28% and 16% of the waste rock from Whale Tail Pit and Underground, respectively; no PAG rock was encountered at IVR Pit. PAG rock will be identified during construction and operations using the total sulphur content of 0.1 wt% as detailed in the Operational ARD/ML Sampling and Testing Plan (Agnico Eagle 2018c). Material with total sulphur above 0.1% total sulphur will be evaluated based on the CaNPR value to determine its ARD potential (CaNPR< 2 is PAG). This cut-off could potentially be higher for iron formation and komatiite (0.3 wt%, respectively), which contain sufficient excess buffering capacity to neutralize small pockets of acidity from PAG rock. Criteria will be re-evaluated as confirmatory sampling progresses during construction and operation.

Kinetic leaching tests performed on 1-kg samples and on large, bulk lithological samples generally corroborate results of static testing but indicate that PAG samples generally experience a time lag to the onset of ARD. Mineral depletion calculations together with consideration of the field time equivalency of laboratory kinetic tests infers the PAG rock is not likely to generate ARD at site for decades, if no ARD control mechanisms were put in place. This period of time is substantially longer than the anticipated duration of mine construction and operations by the end of which ARD control mechanisms will have been put in place through WRSF progressive covering and flooding of open pits.

Arsenic is the principal element of environmental interest. Arsenic occurs in sulphide minerals. Mineralogical observations (Section 4.1) suggest that in komatiite and iron formation waste rock, arsenic is present as nickel arsenides, which are documented to be reactive (oxidize rapidly in air), generating secondary oxidation products that are anticipated to be the main source of labile arsenic from these lithologies. Arsenopyrite is also present in north greywacke, komatiite, and basalt samples and may represent a longer-term source of arsenic release upon sulphide mineral oxidation. Basalt, komatiite and iron formation waste rock release elevated concentrations of arsenic in laboratory and field kinetic leaching tests completed to date. The amount of arsenic released by leaching is generally proportional to the total arsenic content of the sample, with the highest leach test concentrations reported in north komatiite and iron formation. Conversely south greywacke and diorite release low concentrations of arsenic in both static and kinetic leaching tests. These lithologies generally report a total arsenic content that is lower than about 75 to 100 µg/g (ppm) and relatively good correlation between total and leachable arsenic. Samples

with concentrations or arsenic below 75 µg/g are expected to yield adequate leachate quality at site. Furthermore, given the source of the arsenic in waste rock, minimization of mineral oxidation by flooding of pit walls and control of transport of leaching products by freezing of the rock pile are expected to effectively control the release of arsenic.

6.2.3 Pit Wall Rock

The exposed Whale Tail Pit wall is predominately comprised of south greywacke and south komatiite on the south wall, and north greywacke on the north wall, with lesser amounts of basalt, iron formation, central greywacke, and chert. The pits will be flooded at closure which will minimize sulphide mineral oxidation thereby controlling the potential for acidic conditions to develop from exposed PAG rock and for arsenic release from iron formation and ultramafic rock. The release of arsenic under submerged conditions from arsenic salts generated from exposure during mining was evaluated as part of the water quality predictions (Golder 2018) and as expected based on the source of arsenic, is not expected to be a significant source of arsenic. The north greywacke has a variable ARD potential and testing suggests that the delay to onset of ARD is likely to be much longer than the construction, operations and closure phases of the Project combined. However, if PAG rock remains exposed long-term in the highwall, a permanent control mechanism will be required.

The exposed IVR pit wall composition is predominately comprised of south komatiite and basalt with some north greywacke. The potential for arsenic diffusion from pit walls (i.e. arsenic release under water) is evaluated as part of the water quality predictions (Golder 2018). Based on these predictions, control mechanism will be implemented for IVR pit walls including resloping and cover.

6.2.4 Underground Development Rock

Runoff from underground waste rock is anticipated to contain salinity due to drilling brines (used for drilling in permafrost) and brackish groundwater below the permafrost. Salt leaching will be temporary. On-going kinetic testing has not yet shown an effect of salt on sulfide mineral reaction rate.

All waste rock from Underground will be managed in the Waste Rock Exploration Pad prior to use as backfill in the mine such that no waste rock from Underground will remain on surface after operations. Salt water will be captured and treated during operations.

6.3 Ore

Ore is PAG and arsenic leaching. Ore will be stored temporarily at the Whale Tail site and runoff will be contained; ore will ultimately report to tailings after processing at the Meadowbank Mill. Long-term storage of ore at the Whale Tail site is not planned; however, should some of the ore remain stockpiled permanently, the material will require means to control oxidation and ARD in the long-term.

6.4 Tailings

The tailings are enriched in arsenic, antimony, bismuth, chromium, molybdenum, nickel, selenium and silver. Copper is elevated in process water but given its low levels in ore and waste rock, this likely reflects copper sulphate addition during the cyanide destruction process. Process water is alkaline and contains elevated concentrations of ammonia and total cyanide, arsenic, chloride, cadmium, copper, nickel and zinc.

Whole tailings are PAG; however, both tailings composite samples show neutral pH, low conductivity and sulphate concentrations over the duration of accelerated kinetic weathering testing. This delay to the onset of acidic conditions could be up to 15 years (Section 5.4.1) under lab conditions, which is the longer than the anticipated exposure period of tailings at site. The maintenance of neutral pH may be due to the presence of lime added to the tailings slurry in metallurgical processing. It is expected that this buffering capacity could be consumed quickly, after which the tailings will start to oxidize and develop acidic conditions, as inferred based on mineral depletion calculations.

Tailings are expected to require ARD control in the long-term, including preventing prolonged exposure of the tailings such as freezing and progressive cover with a thermal layer of waste rock, or permanent flooding. Tailings will be disposed of at Meadowbank TSF.

7.0 LIMITATIONS

This report was prepared for the exclusive use of Agnico Eagle Mines Limited (Agnico Eagle). The report, which specifically includes all tables, figures and attachments, is based on samples, data and information collected by Golder Associates Ltd. (Golder) and Agnico Eagle staff and is based solely on the conditions of the properties at the time of sampling. It is supplemented by a previous investigation completed by Golder and Agnico Eagle as well as information and planned operational data provided by Agnico Eagle at the time of this report. Many of the mine design parameters and management plans are being developed concurrently and may change in the future.

Except where specifically stated to the contrary, the information contained in these reports was provided to Golder by others and has not been independently verified or otherwise examined by Golder to determine its accuracy or completeness. Golder has relied in good faith on this information and does not accept responsibility for any deficiency, misstatements, or inaccuracies contained in the reports as a result of omissions, misinterpretation, fraudulent acts or the persons interviewed or contacted or errors or omissions in the reviewed documentation.

The assessment of geochemical characteristics for mine wastes and potential borrow sites for the Project has been made using the results of chemical analysis of discrete samples from a limited number of locations, collected by Agnico Eagle, Azimuth Consulting and Golder. Sample locations and borehole intervals collected by others were not observed or visited by Golder. Subsurface conditions may vary from these sample locations. Additional study, including further surface and subsurface investigation, can reduce the inherent uncertainties associated with this type of study. However, it is never possible even with exhaustive sampling and testing to dismiss the possibility that part of a site, of an ore zone, tailings or waste rock may have considerably different characteristics than the average properties identified by the sampling and analyses completed as part of this study.

The services performed as described in this report were conducted in a manner consistent with that level of care and skill normally exercised by other members of the geoscience profession currently practising under similar conditions, subject to the time limits and financial and physical constraints applicable to the services. Any use which a third party makes of this report, or any reliance on, or decisions to be made based of it, are the responsibilities of such third parties. Golder accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

The content of this report is based on information collected during our investigation, our present understanding of the site conditions and management plans, and our professional judgement in light of such information at the time of this report. This report provides a professional opinion and therefore no warranty is expressed, implied, or made as to the conclusions, advice and recommendations offered in this report. This report does not provide a legal opinion regarding compliance with applicable laws. With respect to regulatory compliance issues, it should be noted that regulatory statutes and the interpretation of regulatory statutes are subject to change.

The findings and conclusions of this report are valid only as of the date of this report. If new information is discovered in future work, including excavations, borings, or other studies, Golder should be requested to re-evaluate the conclusions of this report, and to provide amendments as or if required.

8.0 CLOSURE

We trust this report meets your current requirements. If you have any questions regarding this report, please contact the undersigned.

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APPENDIX A

Summary of Regional and Site Geology

REGIONAL GEOLOGY

The Amaruq property is underlain by Archean supra crustal rocks of the metamorphosed Woodburn Lake Group (Rae Domain of the Western Churchill geological province of the Canadian Shield); the same sequence as at the Meadowbank Mine. These rocks are believed to have been deposited in a continental rift setting. They are comprised of mafic volcanic (e.g. basalt) to ultramafic (e.g. komatiite) and volcaniclastic rocks interlayered with clastic sedimentary units that include greywacke, siltstone, mudstone, banded iron formation, and chert. This rock sequence has been intruded by granitoid rocks and lamprophyres and underwent multiple deformation events and metamorphism to the upper greenschists facies. There are four Paleo-Proterozoic aged events of deformation recognised, two of which have significant effects on the geometry of the deposit.

SITE GEOLOGY

The main lithological units associated with the Whale Tail and IVR deposits include: komatiites, clastic sedimentary rocks, basalt rocks and felsic to diorite rocks. These lithologies are summarized in Table A1 and follow the identification codes used by Agnico Eagle.

The Whale Tail deposit geology is described as being composed of three domains divided by distinct marker units as follows, and depicted in Figure A1:

- Whale Tail North domain: includes clastic sedimentary sequence (north greywacke with minor mudstone and chert), an ultramafic (north komatiite) sequence of significant thickness and lateral extent (northern marker unit), and an iron formation sequence which host gold mineralization.
- Whale Tail Central domain: includes clastic sedimentary (central greywacke) and chemical sedimentary (central chert with minor iron formation) rocks, which occur as three specific levels of the clastic sedimentary sequence. The chert, which contains abundant sulphide minerals, is host to gold mineralization. The central sedimentary sequence pinches out in the northeast part of the deposit, such that the north and south mafic-ultramafic marker units are in contact.
- Whale Tail South domain: includes a mafic-ultramafic package (south komatiite) of significant lateral extent that serves as the southern marker unit. Although it looks similar to the north komatiite, it is distinguished based on trace element content including lower arsenic content in the south komatiite relative to the north komatiite. It grades to the south into a more mafic volcanic package (south basalt), then a clastic sedimentary sequence (south greywacke), and finally a diorite intrusion. The south domain hosts only minor amounts of gold.

The IVR deposit is hosted by a more complex and deformed sequence of mafic to ultramafic volcanic rocks (north komatiite and north basalt), interlayered with lesser cherts and iron formation. The west portion of IVR deposit is interpreted to be a lateral extension of the Whale Tail north domain, while the eastern part of the deposit is dominated by ultramafics (south komatiite) of the Whale Tail south domain.

Note that in the geochemical database, the lithology of each sample is assigned based on the block model designation for that sample location (Agnico Eagle, 2017), rather than the lithology documented in the borehole logs. This approach accounts for the geological interpretation of the deposit in the block model and reflects the potential for heterogeneity of each mined “block” during operations. Since the program began in 2015, the block model has been reinterpreted and some samples, which were previously collected to represent a single block model lithology, are now interpreted to include two or more lithologies; for these samples the lithology is referred to as “composite” in the geochemical database. Further, a re-evaluation of ore grade cut offs by Agnico Eagle resulted in a change in ore designation from ore to low grade ore for some samples in the geochemical database.

Table A1: Summary of Rock Type Designations and Coding

Rock Name (Code) (Nomenclature Adopted for Current Report)	Block Model Code	Geochemical Code	Previous Nomenclature (Golder 2016 Report)
Basalt North (V3N-1a)[1]	510/1300	1a	n.s.
Basalt South (V3S-1b)	570	1b	Mafic Volcanic (1b)
Diorite North (I2N)	1700	8b	n.s.
Diorite South (I2S)	500	8b	Intermediate Intrusive (I2-8b)
Iron Formation (S9E-S9D)[2]	580	4_0a and 4_1a	Iron Formation (S9e)
Komatiite North (V4A-0a)[3]	595/1400	0a	Ultramafic (0a)
Komatiite South (V4A-0b)[3]	600	0b	Transitional Ultramafic (0b)
Greywacke North (S3N)[4]	530/1800	3b	n.s.
Greywacke North - contact (S3Nb)[4]	1600	3b	n.s.
Greywacke Central (S3C)[4]	535	3b	Central Greywacke (S3C)
Greywacke South (S3S) [4]	540	3b	South Greywacke (S3S)
Chert (S10)	520	3b	Chert (S10)
Chert (S10) / Banded Iron Formation (IF)[5]	525/1600	3b	n.s.
Lamprophyres (I4O)[6]	1200	9c+9d	n.s.

Note:
n.s. not sampled as part of the previous program.
[1] for the purposes of the geochemistry study this includes anything identified as gabbro (I3A)
[2] includes both silicate-sulfide facies iron formation (S9E) and silicate facies iron formation (S9D)
[3] biotite altered komatiite (V4_bio) included in V4A-0a and V4A-0b solids
[4] mudstone (S6) included in greywacke (S3N, S3C, S3S) solids
[5] for the purposes of the geochemistry study this is grouped with chert (S10)
[6] for the purposes of the geochemistry study this is grouped with komatiite (V4A-0a and V4A-0b)

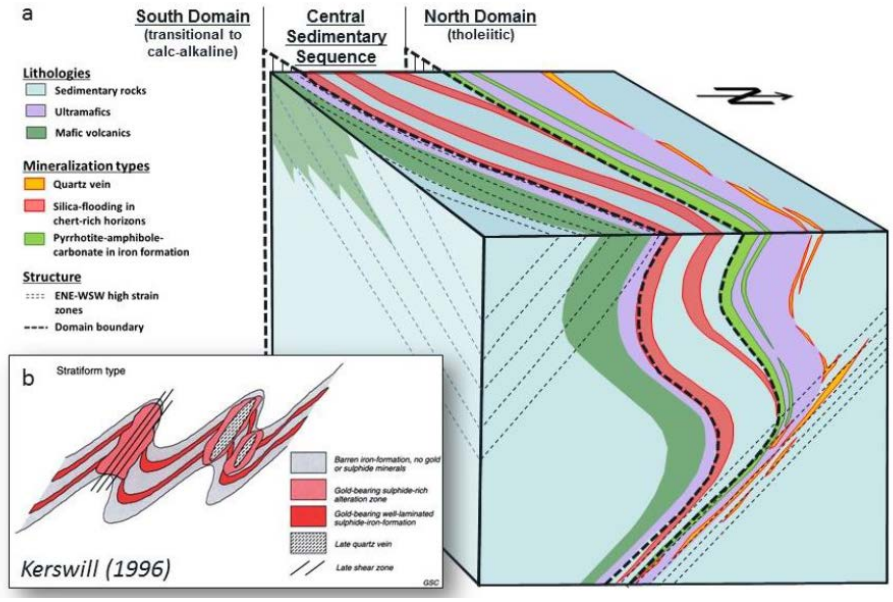


Figure 1 (a) Conceptual Geological Model of the Whale Tail Deposit showing similarities to (b) Kerswill (1996) stratiform subtype of iron-formation-hosted gold deposits (from Agnico Eagle 2018b)

OVERBURDEN COMPOSITION

As described in Golder (2016b), overburden in the Project area consists of shallow till overlying undulating bedrock with scattered outcrops and eskers. Thin lacustrine materials overly till in the Whale Tail Pit area. Till is characterized as a massive matrix supported diamicton composed of pebbly silty sand with locally derived boulders. Boulders up to 2 m long are common on the surface. Glaciofluvial sediments are composed of coarsely stratified to finely laminated medium to coarse sand and gravel up to 30 m thick and lacustrine sediments are composed of poorly stratified silty sand. The Project area is located within the continuous permafrost zone.

DEPOSIT MINERALIZATION

Three different mineralization styles are present at the Amaruq property. The first style (S9E±QV) is associated with pyrrhotite amphibole-carbonate layers, lenses or disseminations within the silicate-sulfides iron formation (S9E). The second style (S10(E)_sSi) is characterized by silica flooding with presence of pyrrhotite, arsenopyrite and local pyrite, contained in the three chert rich levels (S10 and S10E) within the central sedimentary sequence. The third style is associated with decimeter to several meters, quartz galena-sphalerite-chalcopyrite-native gold veins cutting through the entire Whale Tail and IVR (V0 and V2 zones) rock sequence, though best developed in the mafic and ultramafic volcanics.

Mineralization within the Whale Tail deposit is hosted within eight high grade ore zones primarily located within the sedimentary sequence of the central domain, while the IVR deposit consists of 13 high grade zones. In all three styles of mineralization, gold is associated with pyrrhotite or arsenopyrite, as inclusions or grains along fractures, or as free gold in a quartz-rich matrix.

Summary of the Most Significant Lithologies (extracted from internal Agnico Eagle document)

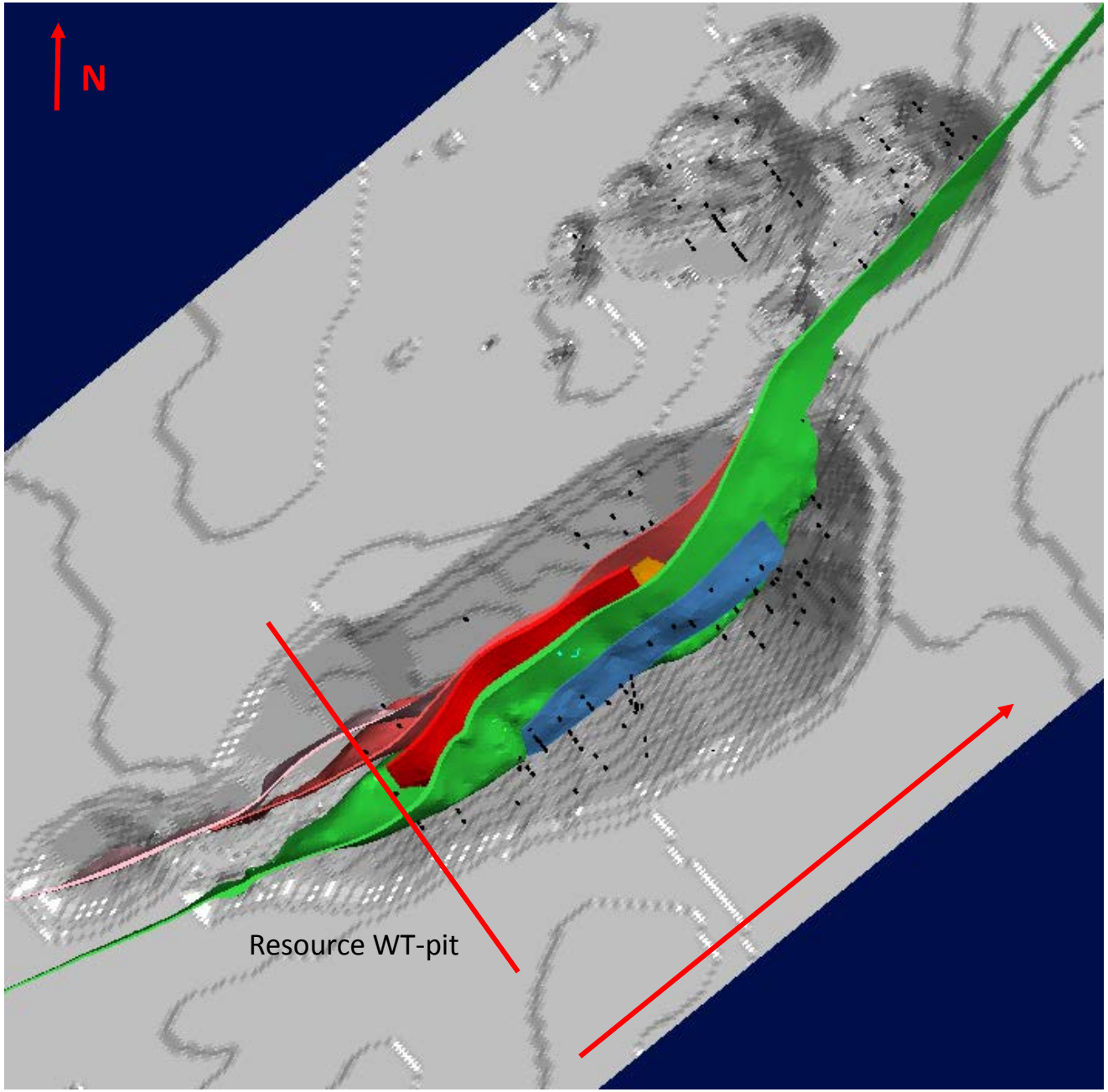
Lithology			Description
Name (code)	Geochemical Code	Block Model Code	
South Diorite (I2S)	8b	500	Coarse-grained intermediate intrusive forming the main unit south of the WT deposit often foliated with frequent strong ductile deformation although always hard with generally good RQD. Generally not hosting mineralized zones at Whale Tail and IVR.
North Diorite (I2N)	8b	1,700	Coarse-grained intermediate intrusive forming the main unit north of IVR area often foliated with frequent strong ductile deformation although always hard with generally good RQD. Generally not hosting mineralized zones at Whale Tail and IVR.
North Greywacke (S3Nb)	3b	1,600	Fine-to-medium-grained sedimentary rock found both within and outside of the mineralized areas, massive to bedded, locally transitional with chert and mudstones, variably deformed but with generally good RQD. Located on the north side of Whale Tail Area.
North Greywacke (S3N)	3b	530 & 1,800	Fine-to-medium-grained sedimentary rock found both within and outside of the mineralized areas, massive to bedded, locally transitional with chert and mudstones, variably deformed but with generally good RQD. Located on the north side of Whale Tail Area.
Central Greywacke (S3C)	3b	535	Fine-to-medium-grained sedimentary rock found both within and outside of the mineralized areas, massive to bedded, locally transitional with chert and mudstones, variably deformed but with generally good RQD. Located in the center of the Whale Tail Area.
South Greywacke (S3S)	3b	540	Fine-to-medium-grained sedimentary rock found both within and outside of the mineralized areas, massive to bedded, locally transitional with chert and mudstones, variably deformed but with generally good RQD.
Mudstone (S6)	3b	Included in other 3D solids	Fine-grained layered rock composed mainly of more or less graphitic mudstone beds with only minor chert and/or greywacke beds. Found in various proportions, often transitional with other sedimentary rock types. Locally hosts mineralization. Generally good RQD.
Chert (S10)	3b	525 & 1,600	Layered rock composed of mm-dm bands of siliceous chemical sedimentary beds (chert) and lesser amounts of clastic beds (mudstone, greywacke), local amphibole-rich beds with magnetite traces and grunerite-rich mm-cm beds, generally hard rock with generally good RQD.
Banded iron formation (IF)	3b	525 & 1,600	Bedded iron-rich sedimentary rock generally representing the grunerite-rich equivalent of S10 units, often with magnetite-rich mm beds interlayered with minor mudstone. Interpreted as more closely associated with S10 units rather than with silicate iron formations (S9D/S9E) because the latter represent a different mineralogy and stratigraphic unit.

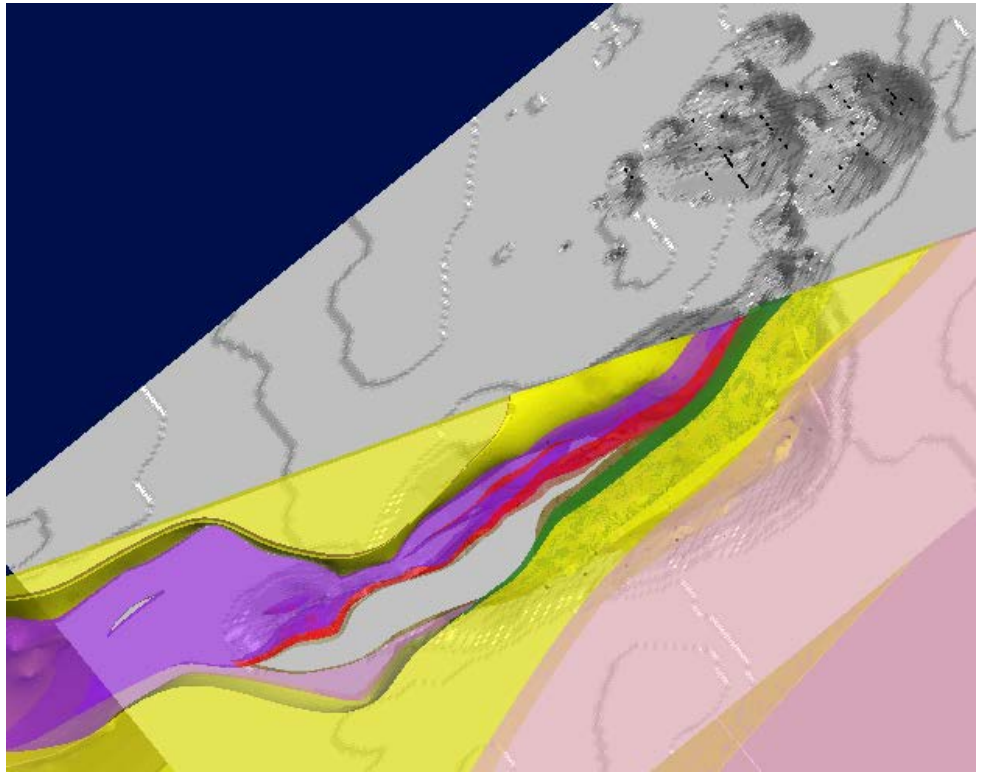
Lithology			Description
Name (code)	Geochemical Code	Block Model Code	
Graphitic chert (S10E)	3b	520	Layered rock composed of slightly graphitic mudstone with siliceous chemical sedimentary beds (chert), often displaying a chaotic aspect with contorted folding and breccias but generally very hard and cohesive due to pervasive silicification. Frequent graphite slivers in foliation planes, generally rich (> 5 %) in diagenetic sulphides (now pyrrhotite) that can easily be confused with pyrrhotite associated with Au-related sulphide replacement, veining and silica flooding.
Chert with moderated silica flooding (S10_mSi/S10E_mSi)	3b	520	Hydrothermally-altered equivalent of S10 and S10E, with moderate intensity of diffuse quartz veining and silicification, frequently with various proportions of pyrrhotite, arsenopyrite and pyrite; the sedimentary bedding of the host rock remains evident. Frequent anomalous gold background with local higher grade values.
Chert with strong silica flooding (S10_sSi/S10E_sSi)	3b	520	Hydrothermally-altered equivalent of S10 and S10E with strong intensity of diffuse quartz veining and silicification, frequently with various proportions of pyrrhotite, arsenopyrite and pyrite, but usually stronger than in S10_mSi/S10E_mSi; the sedimentary bedding of the host rock is often partly to strongly obliterated by hydrothermal replacement. Generally gold-rich, one of the main ore types at Whale Tail, found in lesser quantity at IVR.
North Basalts (V3N)	1a	510 & 1,300	Fine-to-medium-grained mafic volcanic rock of tholeiitic affinity, located mainly in the IVR area and locally north of the Whale Tail and Mammoth areas, often interlayered with S10E and minor S9D/S9E horizons, massive to variably foliated where intersected by V-zone structures and quartz veins which can be associated with some arsenopyrite mineralization. Coarser-grained intervals may represent synvolcanic intrusive equivalents (I3A).
South Basalts (V3S)	1b	570	Fine-to-medium-grained volcanic rock of transitional to calc-alkaline affinity, located mainly south of the WT deposit, often interlayered with greywacke, frequent biotite and chlorite alteration increasing with schistosity intensity, especially near northern contact where it often forms chaotically folded and highly strained intervals. Local coarser-grained and amphibole-rich intervals may represent synvolcanic intrusive equivalents (I3A), often interlayered with sediments (S3) of similar composition resulting in more difficult identification.
Komatiite (V4A_Oa)	0a	595 & 1,400	Ultramafic volcanics of tholeiitic affinity located north of the central sedimentary package and of most of the WT zones. Generally talc-chlorite-carbonate altered, common moderate-to-strong ductile deformation with various effects on RQD and hardness. Frequently hosting quartz veins of the IC zone in Whale Tail and V zones in IVR area in association with stronger deformation and biotite alteration (see V4_bio).

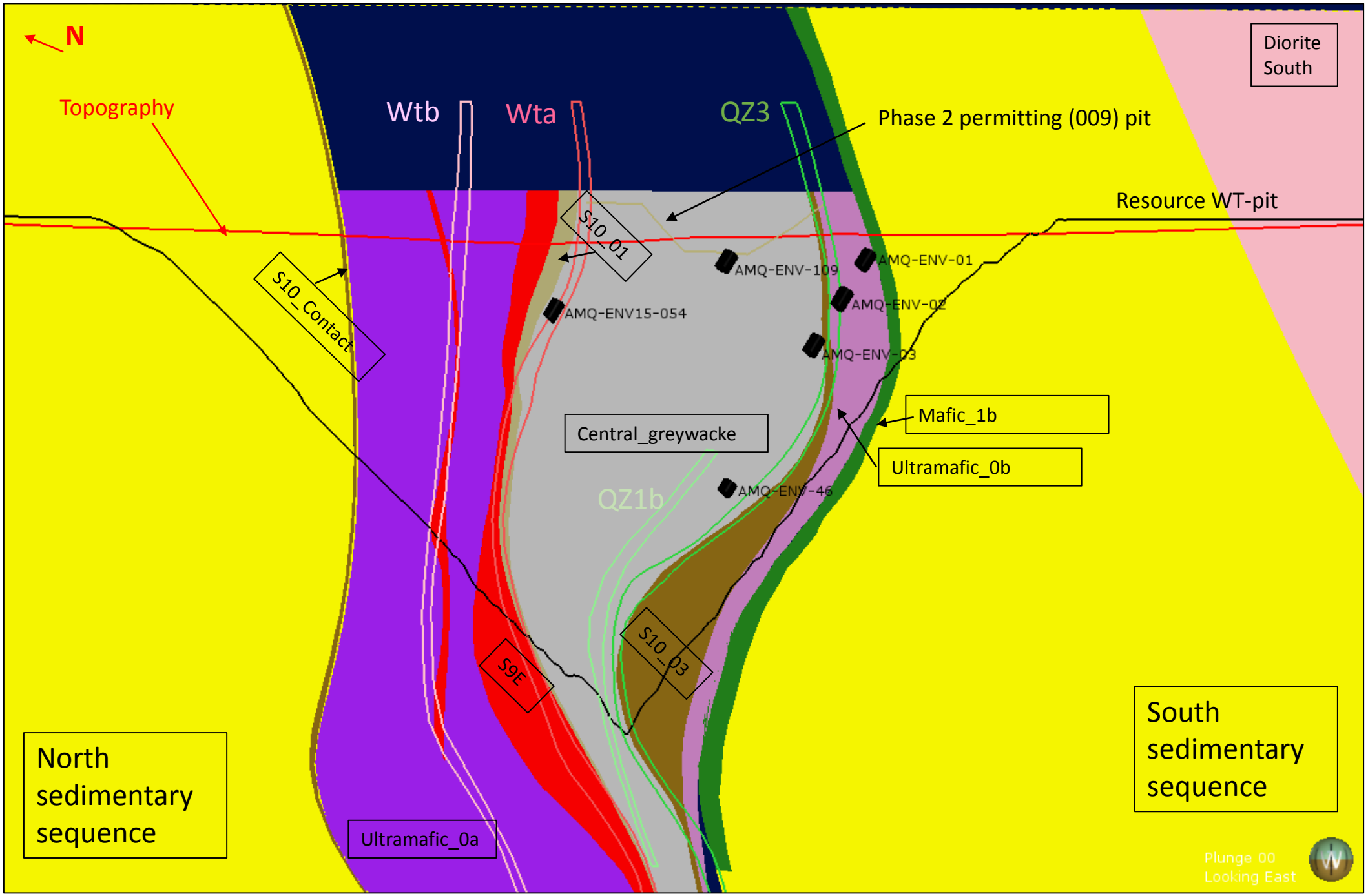
Lithology			Description
Name (code)	Geochemical Code	Block Model Code	
Komatiite (V4A_Ob)	0b	600	Ultramafic to mafic volcanics (komatiitic basalt) of transitional to calc-alkaline affinity, located just south of the Whale Tail deposit, often in contact with the southernmost mineralized zones. Locally host to gold-bearing QV where the hydrothermal system extends beyond the sedimentary rock package. Frequently transitional with V3 (1b) to the south. Also found in the eastern part of IVR, often in contact with the tholeiitic ultramafic volcanics (0a).
Biotite altered komatiite (V4_bio)	0a and 0b	Include in other 3D solids	Widespread biotite alteration halos as foliation, parallel mm-cm biotite bands within strong ductile deformation zones affecting V4A, resulting in a soft rock with highly variable RQD, located throughout the V4A. A brownish general aspect partially replaces the more blueish tint typical of the talc-rich V4A. Frequently hosting the quartz veins of the IC zone at Whale Tail and the V zones at IVR suggesting that the biotite may be the result of vein-related hydrothermal alteration.
Silicate-sulfide facies iron formation (S9E)	4_0a and 4_1a	580	Dense, hard and greenish rock of generally good RQD composed of an amphibole-rich (silicate facies) dark greenish matrix with various proportions of grey-brownish carbonate-pyrrhotite (sulphide facies) mm-dm layers or veins, with common diffuse and folded carbonate veinlets. It is not presently clear what the timing of these pyrrhotite-rich bands is but they predate deformation and gold-related quartz veining. Sulphide content typically ranges between 2 – 20 % but may locally reach up to 50 % on dm-m intervals. Ductile deformation and alteration often generate biotite-garnet-rich mm-cm bands giving a more banded aspect. Often gold-rich when cut by quartz veining, especially in the pyrrhotite-rich equivalents. Represents one of the main host to ore at Whale Tail, found in lesser quantity at IVR. This unit was initially interpreted as alteration, replacement and mineralization of V4A with which it usually shares contact (V3F being a field name to distinguish this unit from unmineralized V4A), now interpreted as a distinct unit (chemical sediment developed on a V4A sub-sea floor).
Silicate facies iron formation (S9D)	4_0a and 4_1a	Include in other 3D solids	Same as S9E but pyrrhotite-rich bands absent or in trace amounts.
Quartz vein (QV)		Include in other 3D solids	Metric intervals of > 50 % quartz veining may be hosted by different lithologies, e.g. often materialized by silica flooding in cherts.
Lamprophyre (l4O)	9c and 9d	1,200	Late mafic to ultramafic dykes crosscutting all other lithologies mainly distributed as N-S dyke swarms, hard and massive with common biotite phenocrysts and calcite-rich matrix.

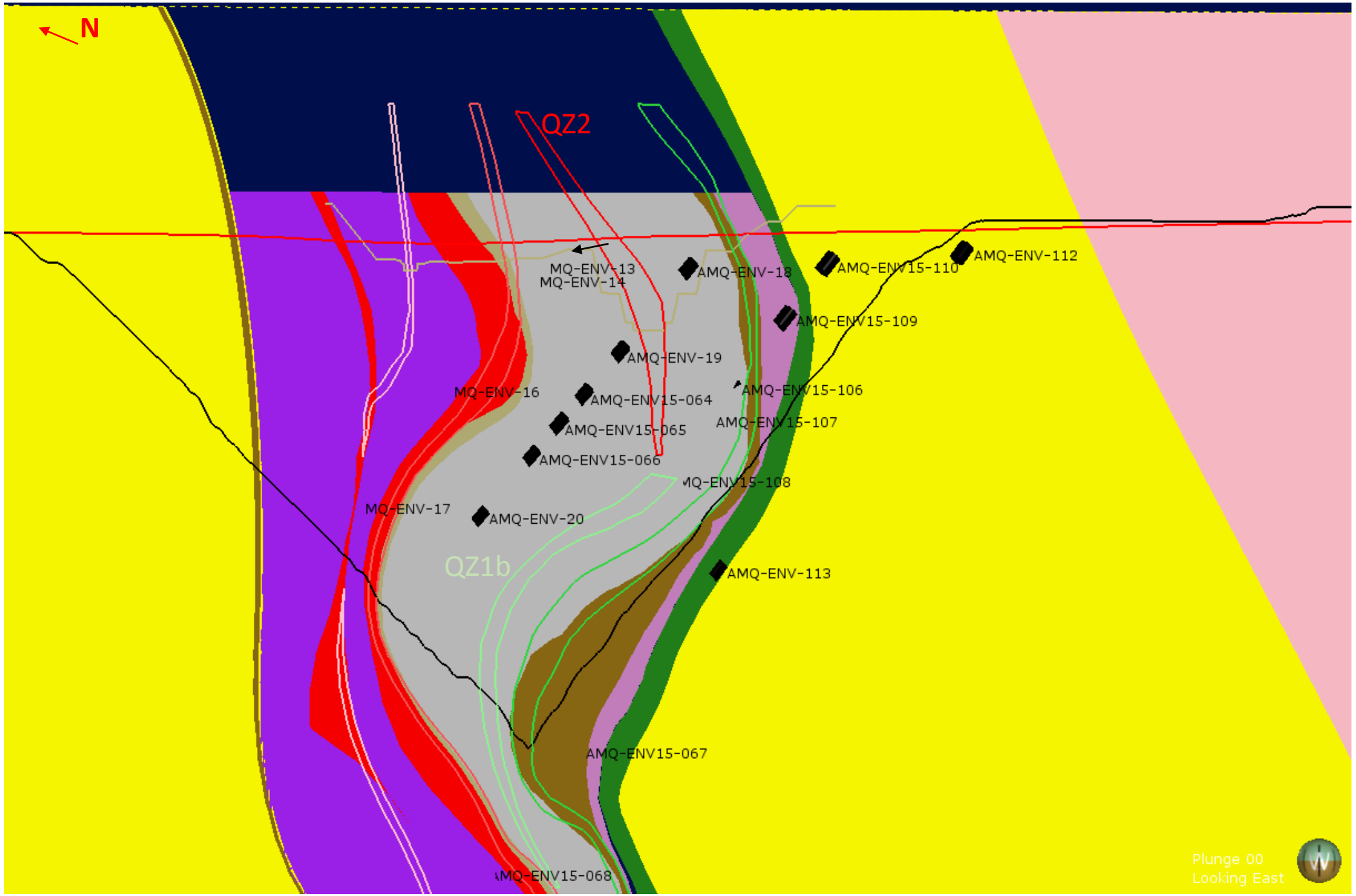
APPENDIX B

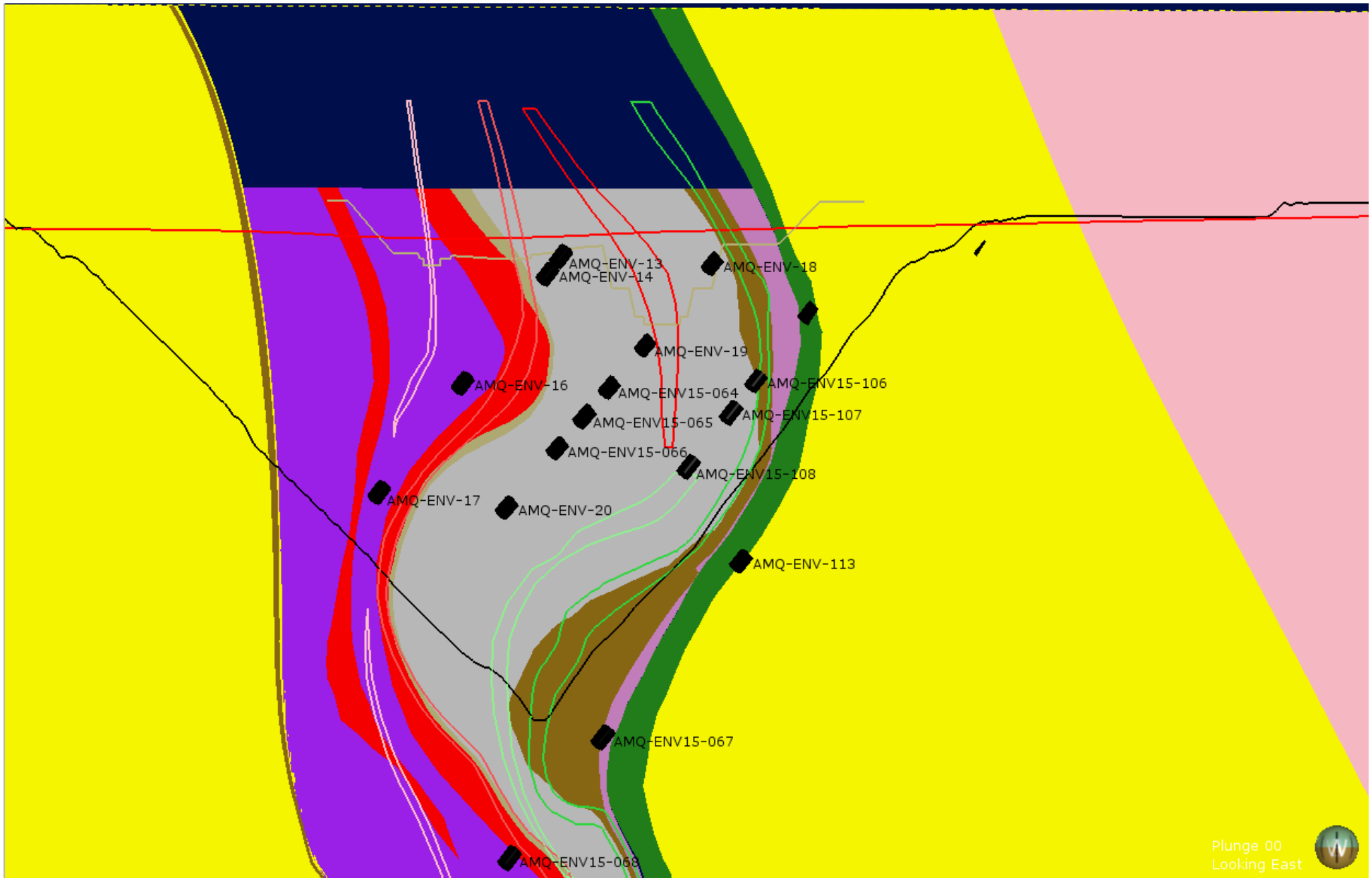
Model Snapshots Showing Sample Locations (as received from Agnico Eagle)

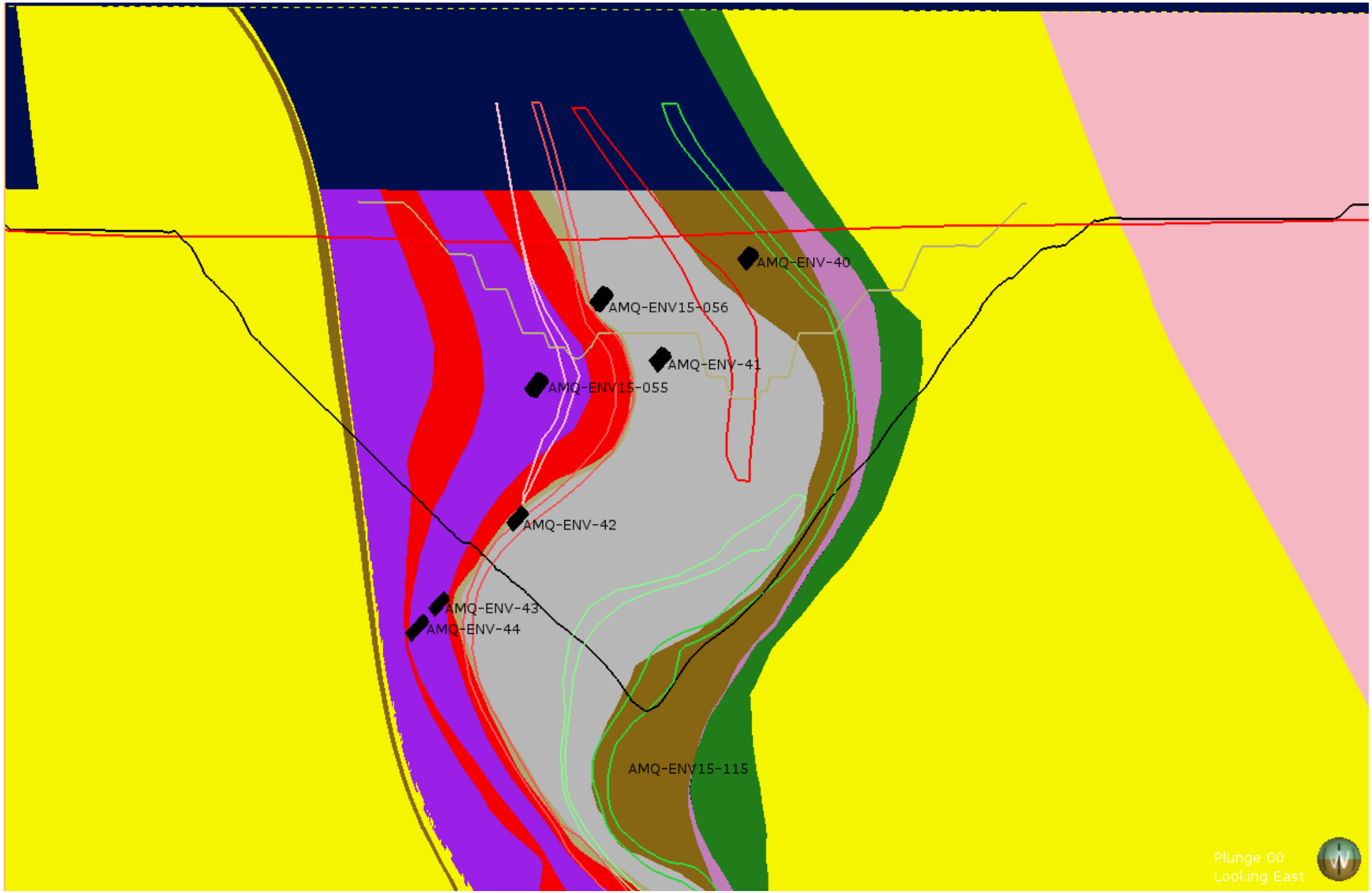

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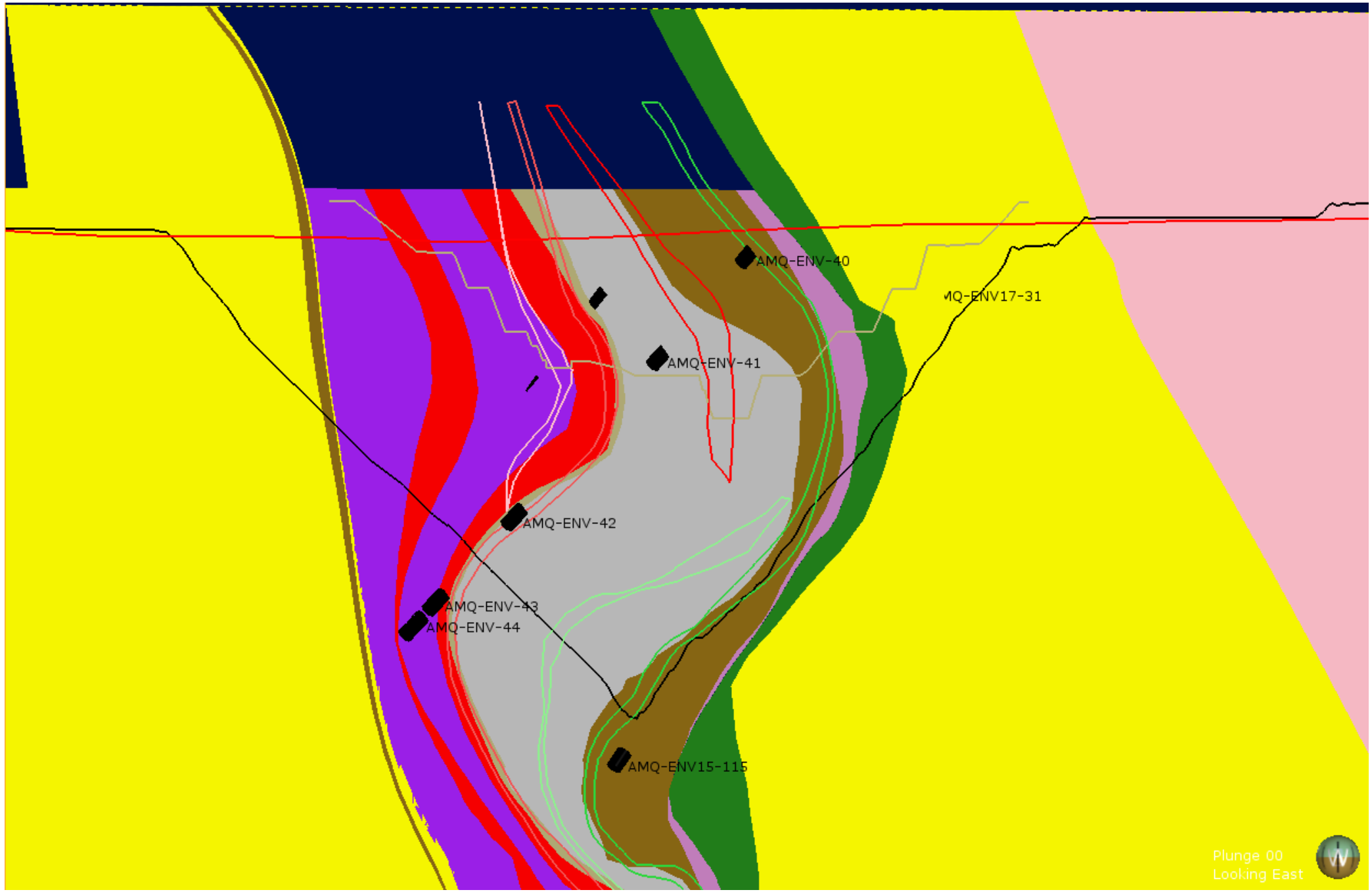


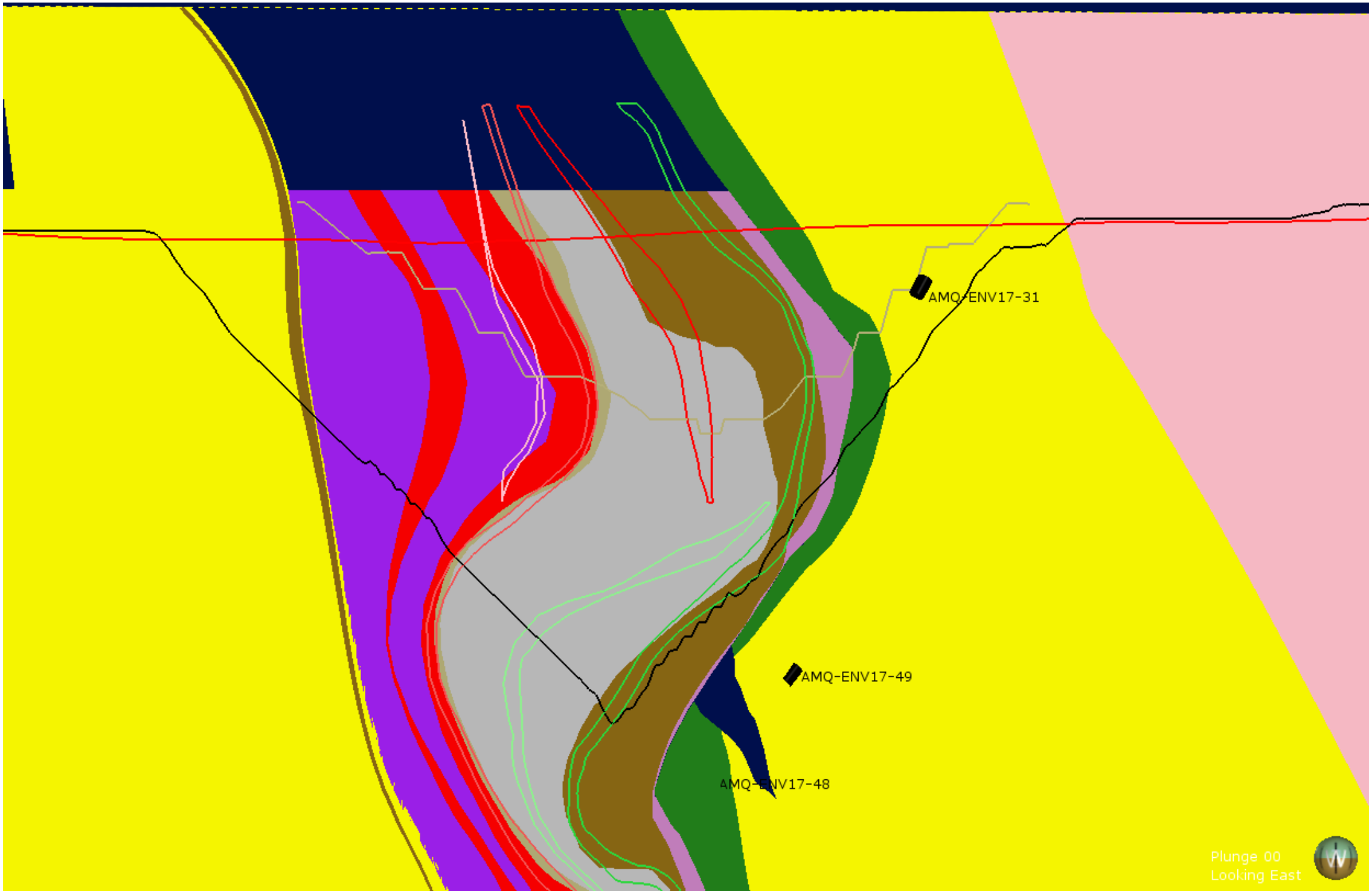

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QZ3
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Diorite South
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S10_Contact
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AMQ-ENV-03
Mafic_1b
Central_greywacke
Ultramafic_0b
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S9E
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South sedimentary sequence
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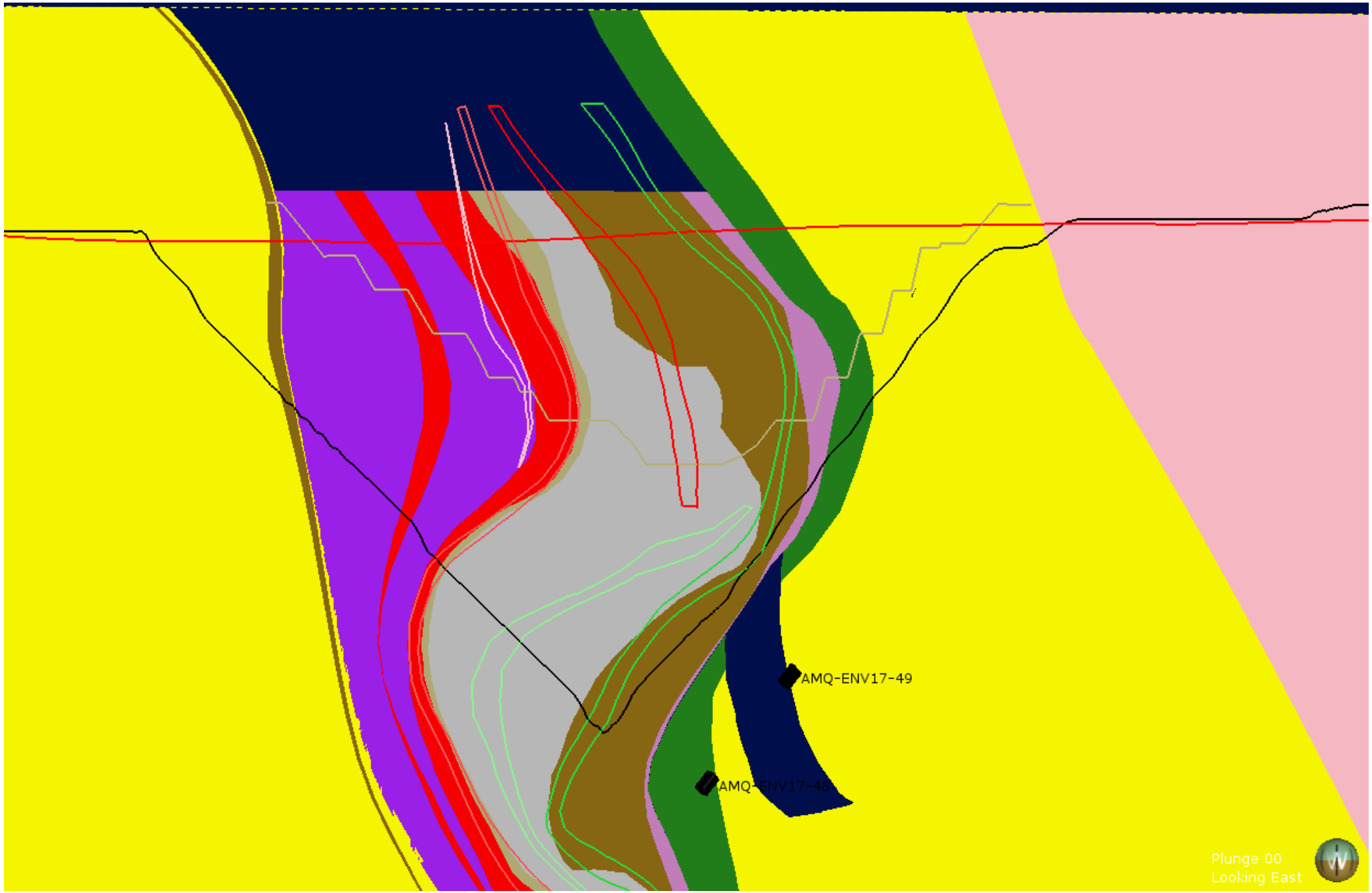

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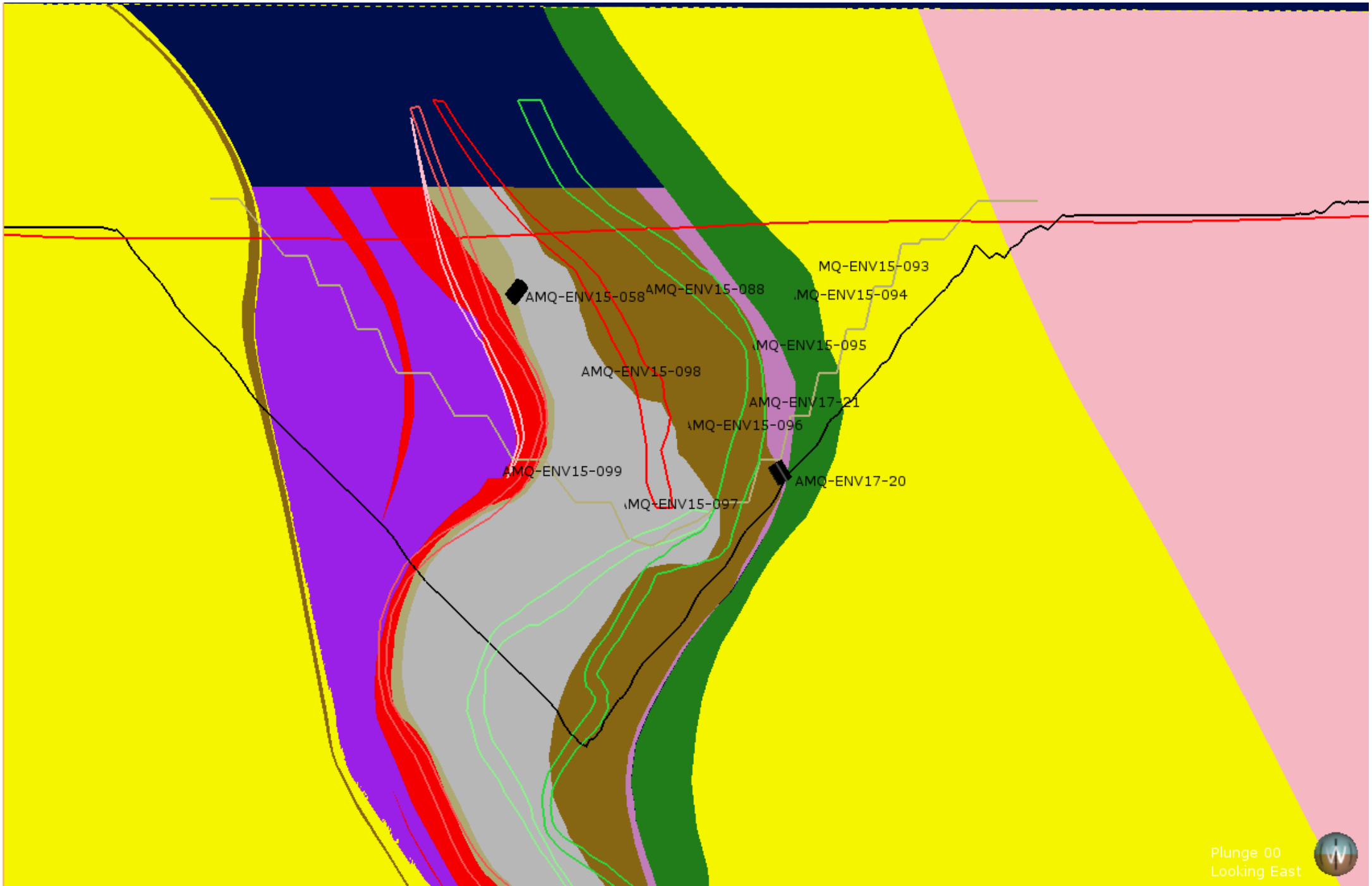

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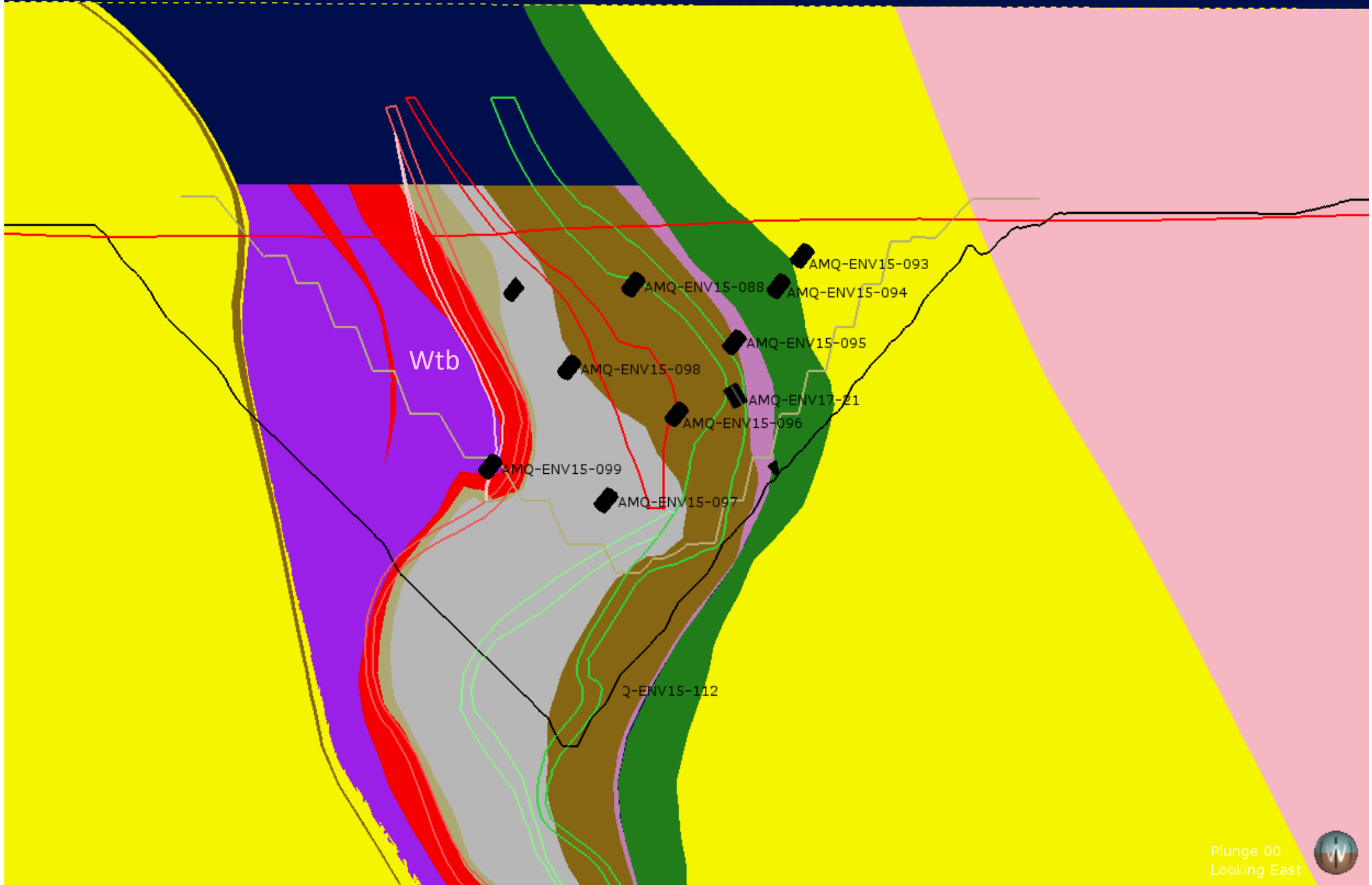

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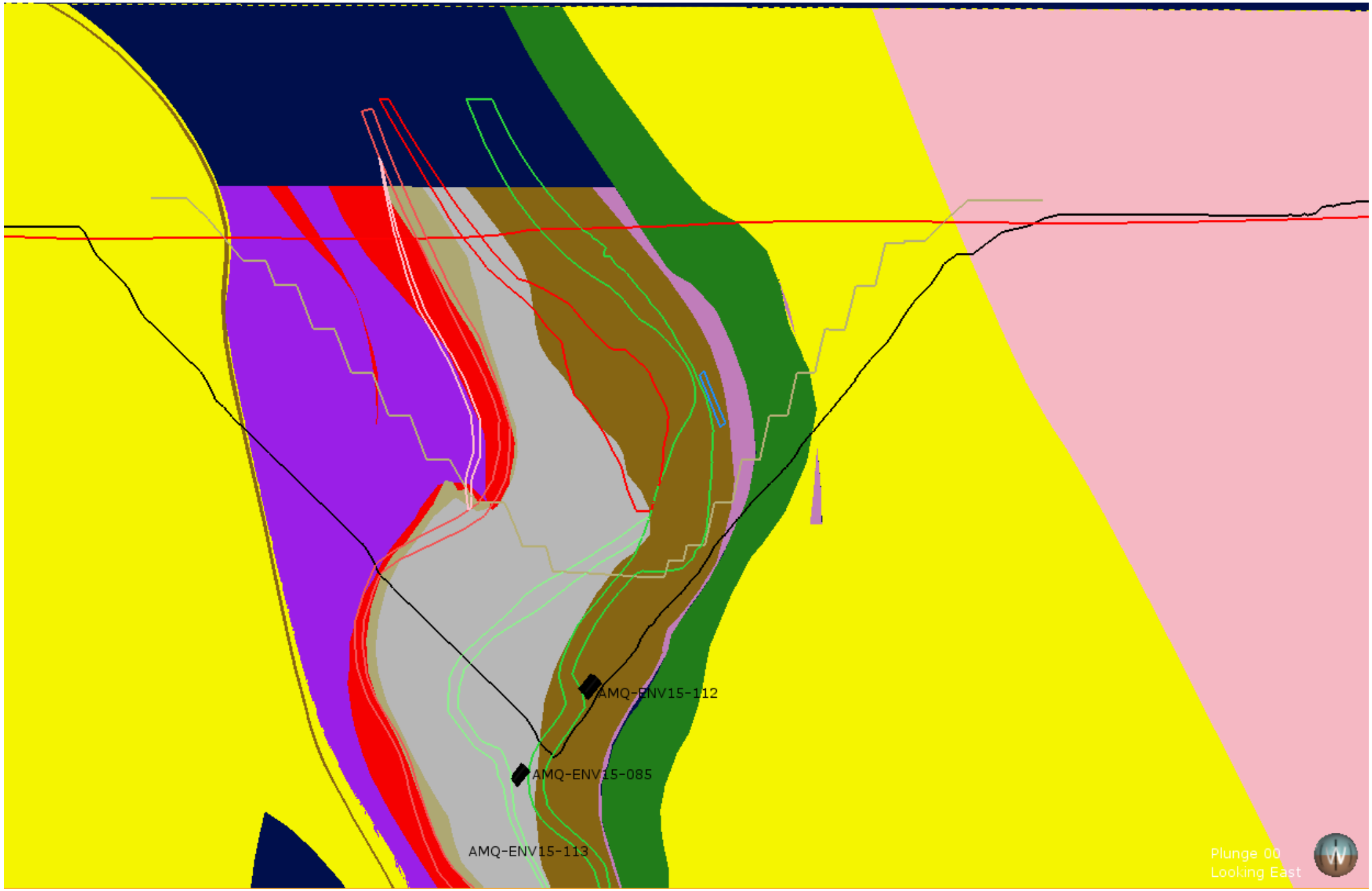

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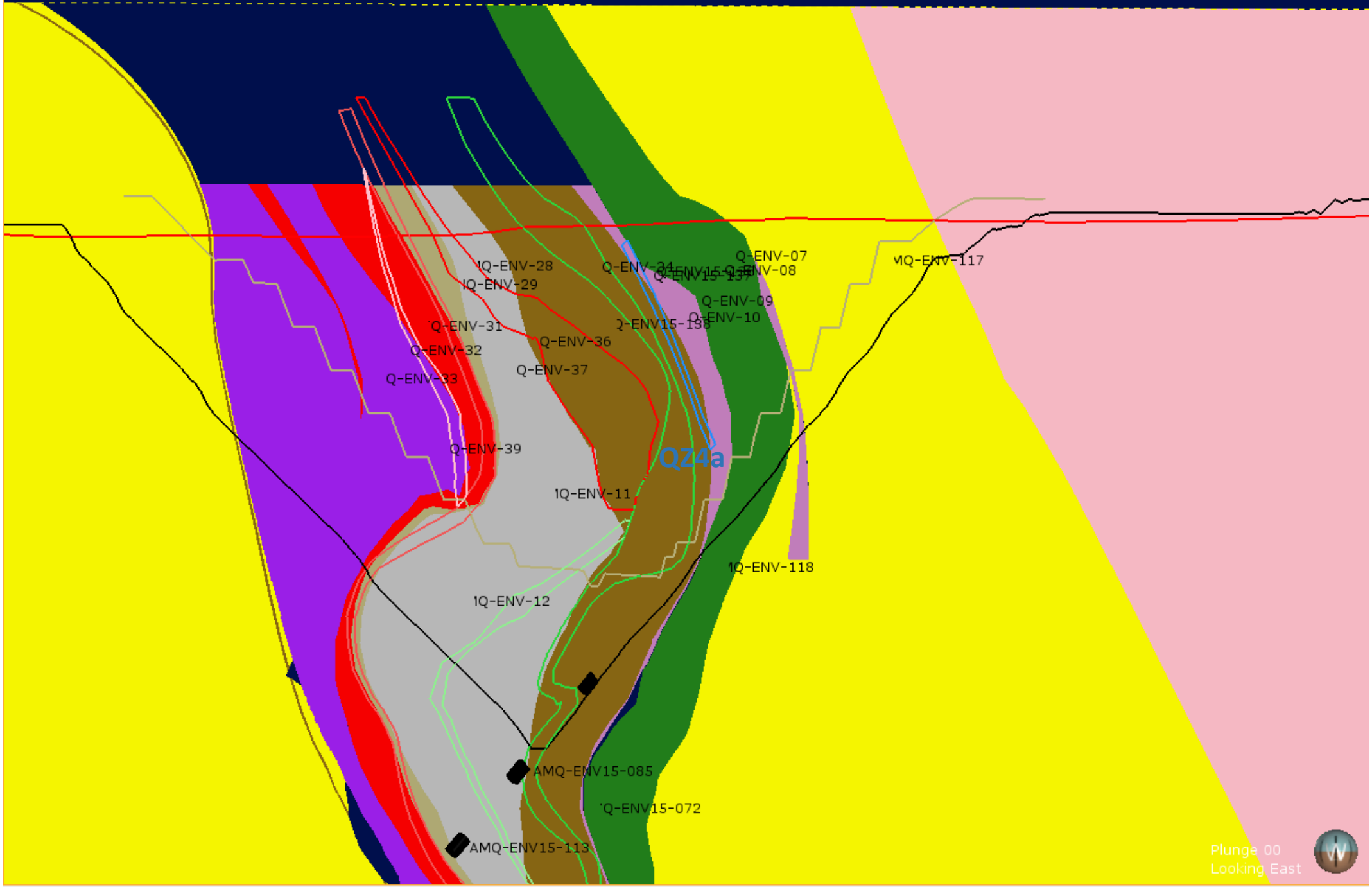

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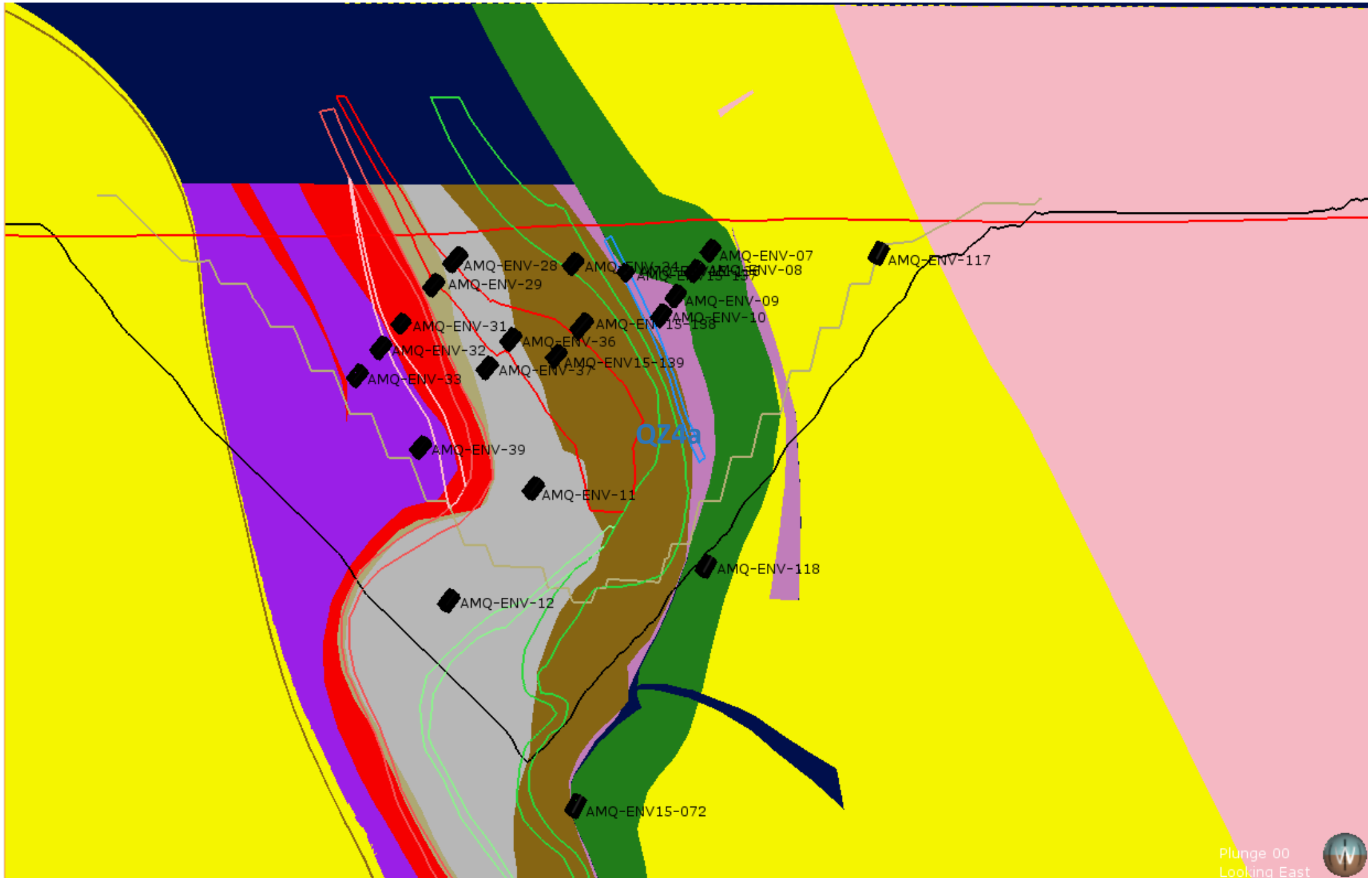

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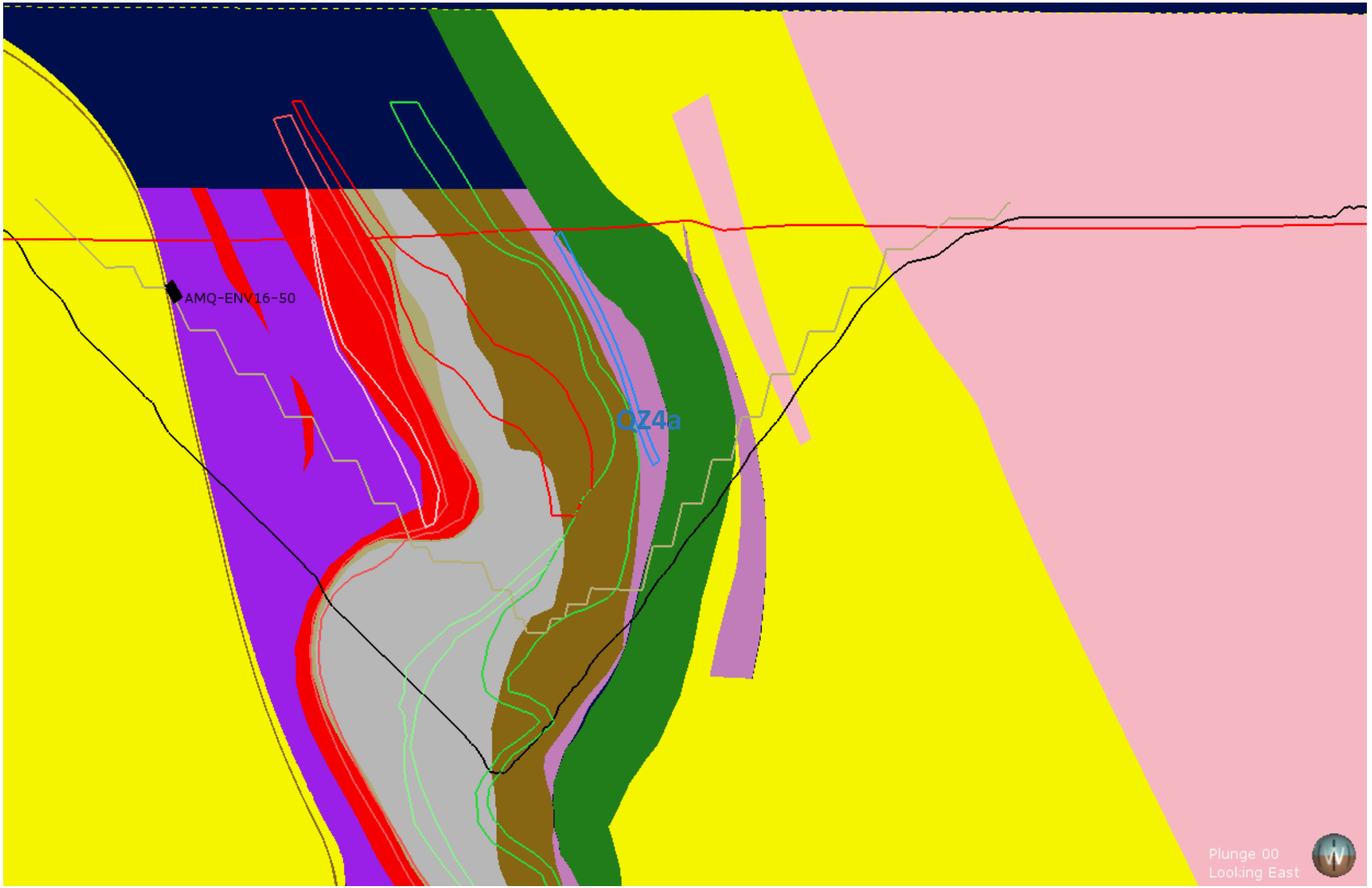

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MQ-ENV15-094
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AMQ-ENV15-098
AMQ-ENV17-21
MQ-ENV15-096
AMQ-ENV15-099
AMQ-ENV17-20
MQ-ENV15-097
Plunge 00
Looking East

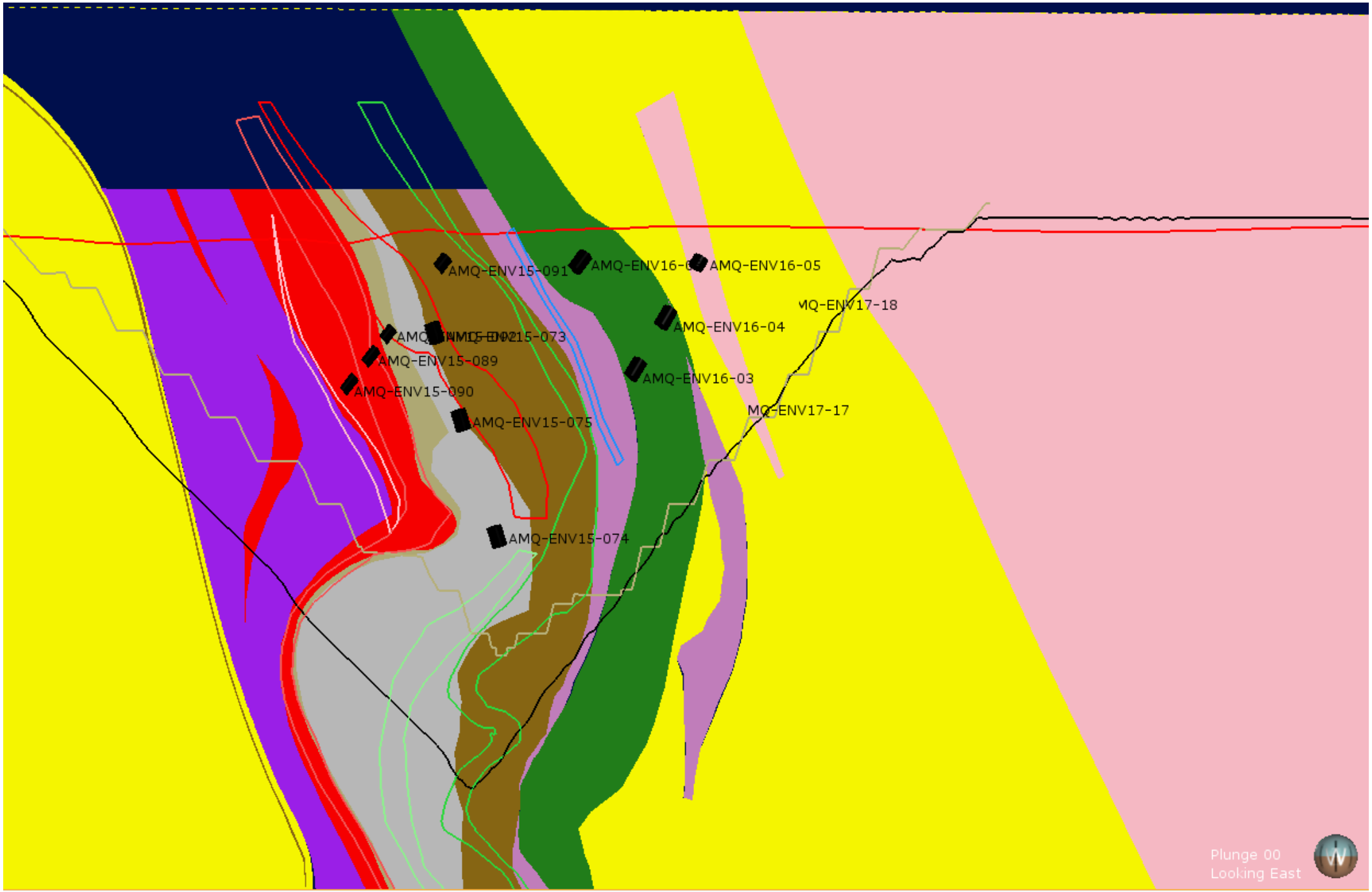

AMQ-ENV15-093
AMQ-ENV15-088
AMQ-ENV15-094
AMQ-ENV15-095
Wtb
AMQ-ENV15-098
AMQ-ENV17-21
AMQ-ENV15-096
AMQ-ENV15-099
AMQ-ENV15-097
Q-ENV15-112
Plunge 00
Looking East

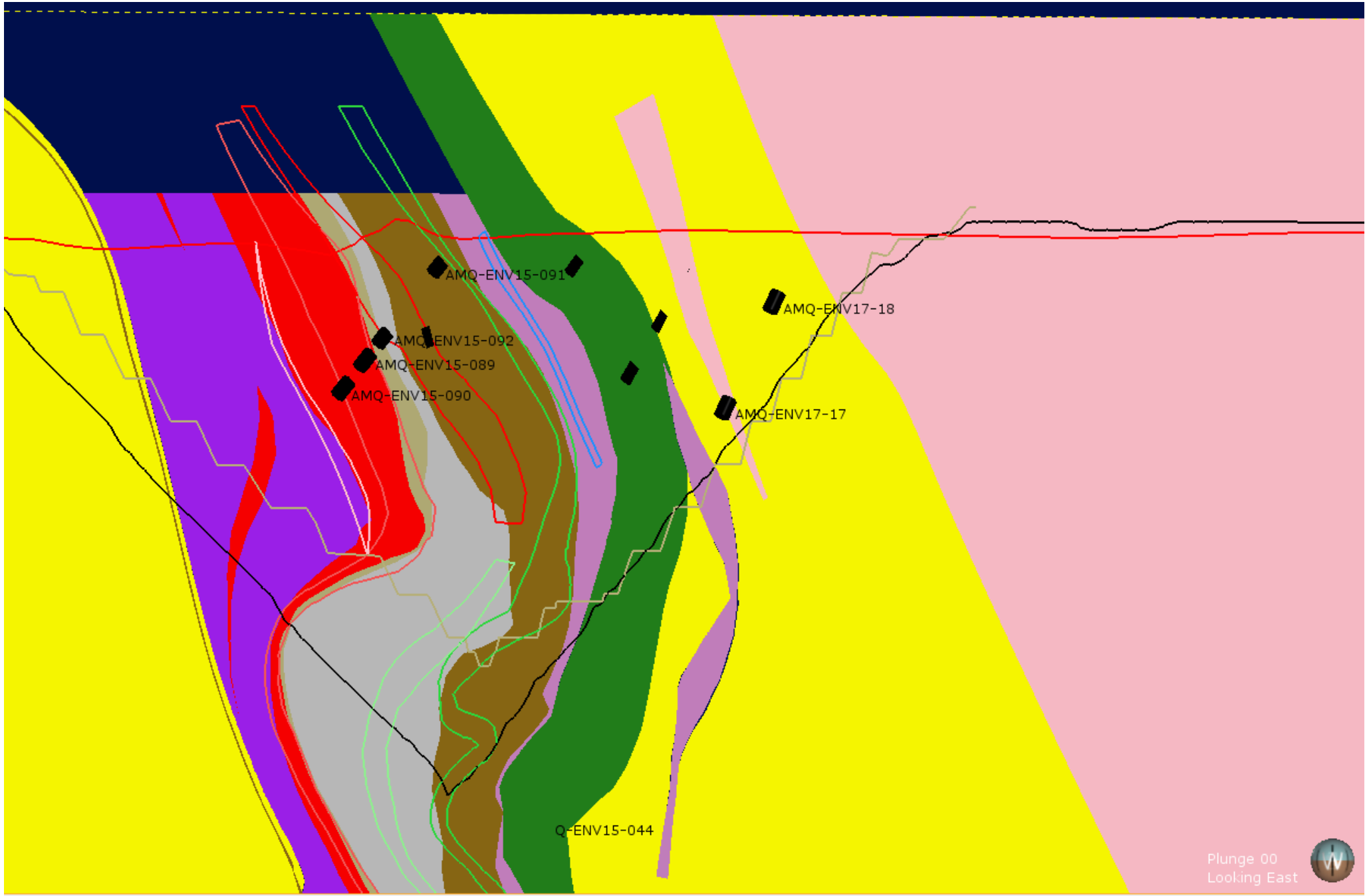

AMQ-ENV15-112
AMQ-ENV15-085
AMQ-ENV15-113
Plunge 00
Looking East

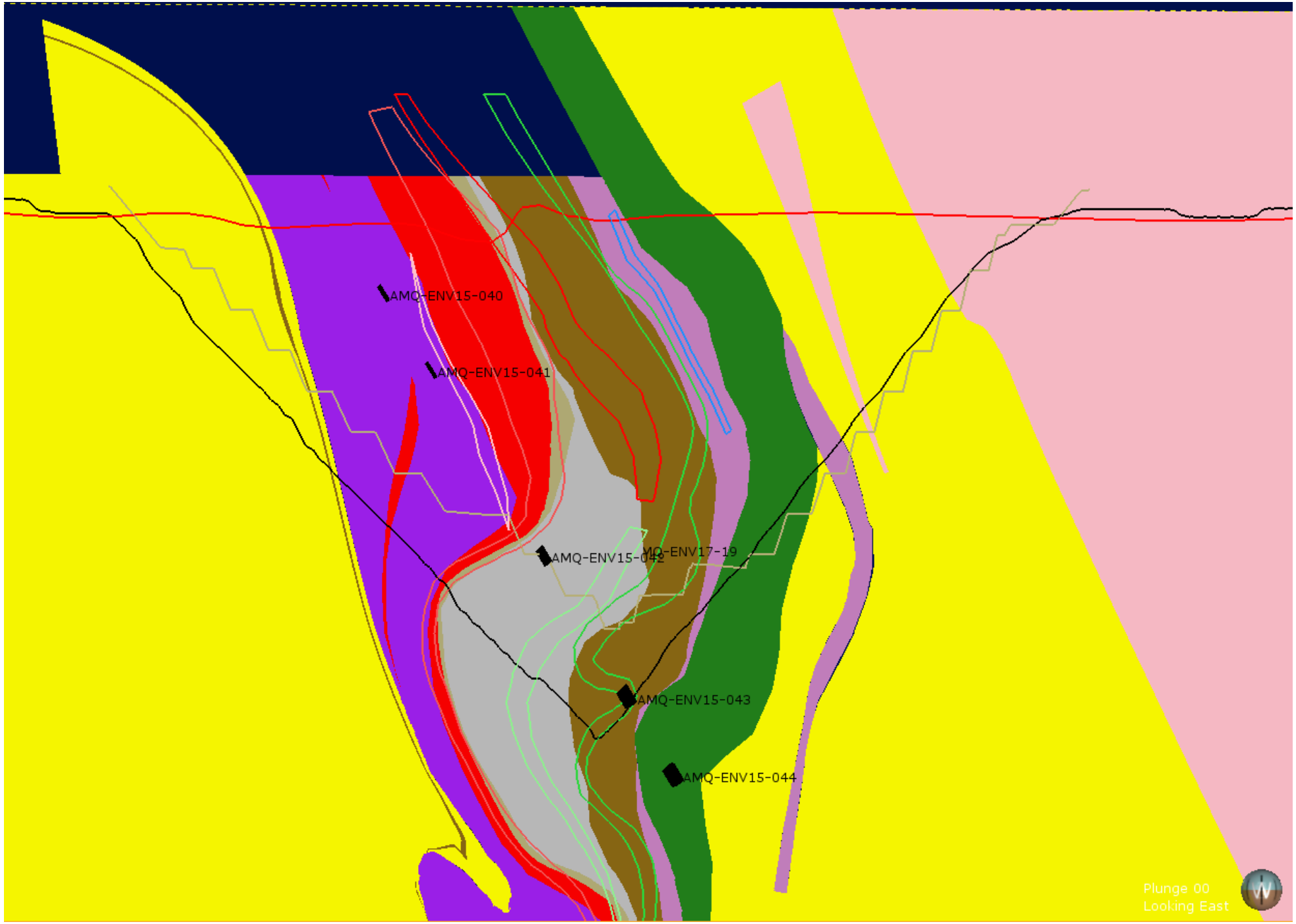

Q-ENV-07
Q-ENV-08
Q-ENV-09
Q-ENV-10
Q-ENV-28
Q-ENV-29
Q-ENV-31
Q-ENV-32
Q-ENV-33
Q-ENV-36
Q-ENV-37
Q-ENV-39
Qz4a
Q-ENV-11
Q-ENV-12
Q-ENV-118
AMQ-ENV15-085
Q-ENV15-072
AMQ-ENV15-113
Plunge 00
Looking East

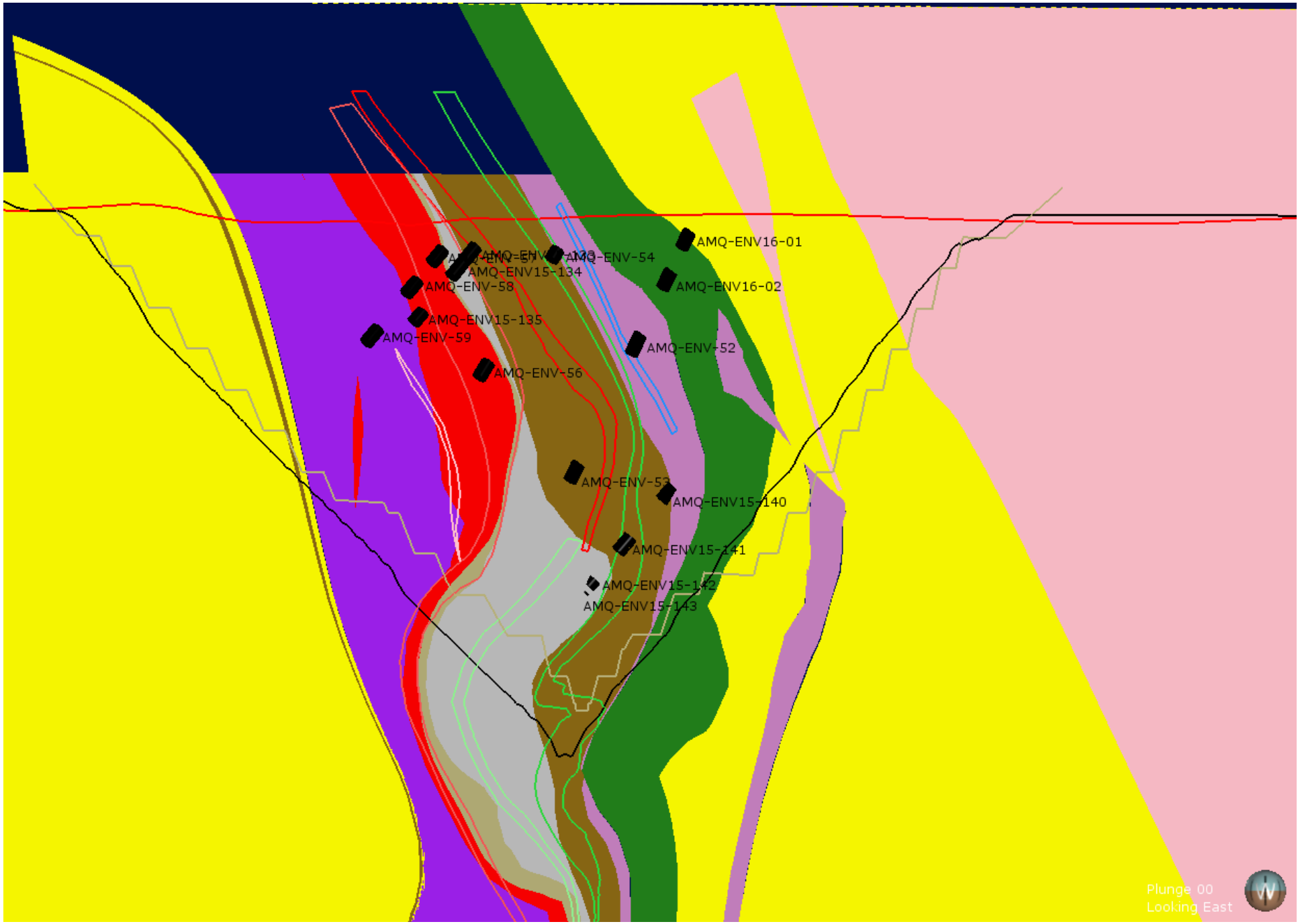

AMQ-ENV-28
AMQ-ENV-29
AMQ-ENV-31
AMQ-ENV-32
AMQ-ENV-33
AMQ-ENV-36
AMQ-ENV15-139
AMQ-ENV-37
AMQ-ENV-39
AMQ-ENV-11
AMQ-ENV-12
AMQ-ENV15-072
AMQ-ENV-07
AMQ-ENV-08
AMQ-ENV-09
AMQ-ENV-10
AMQ-ENV-117
AMQ-ENV-118
QZ48
Plunge 00
Looking East

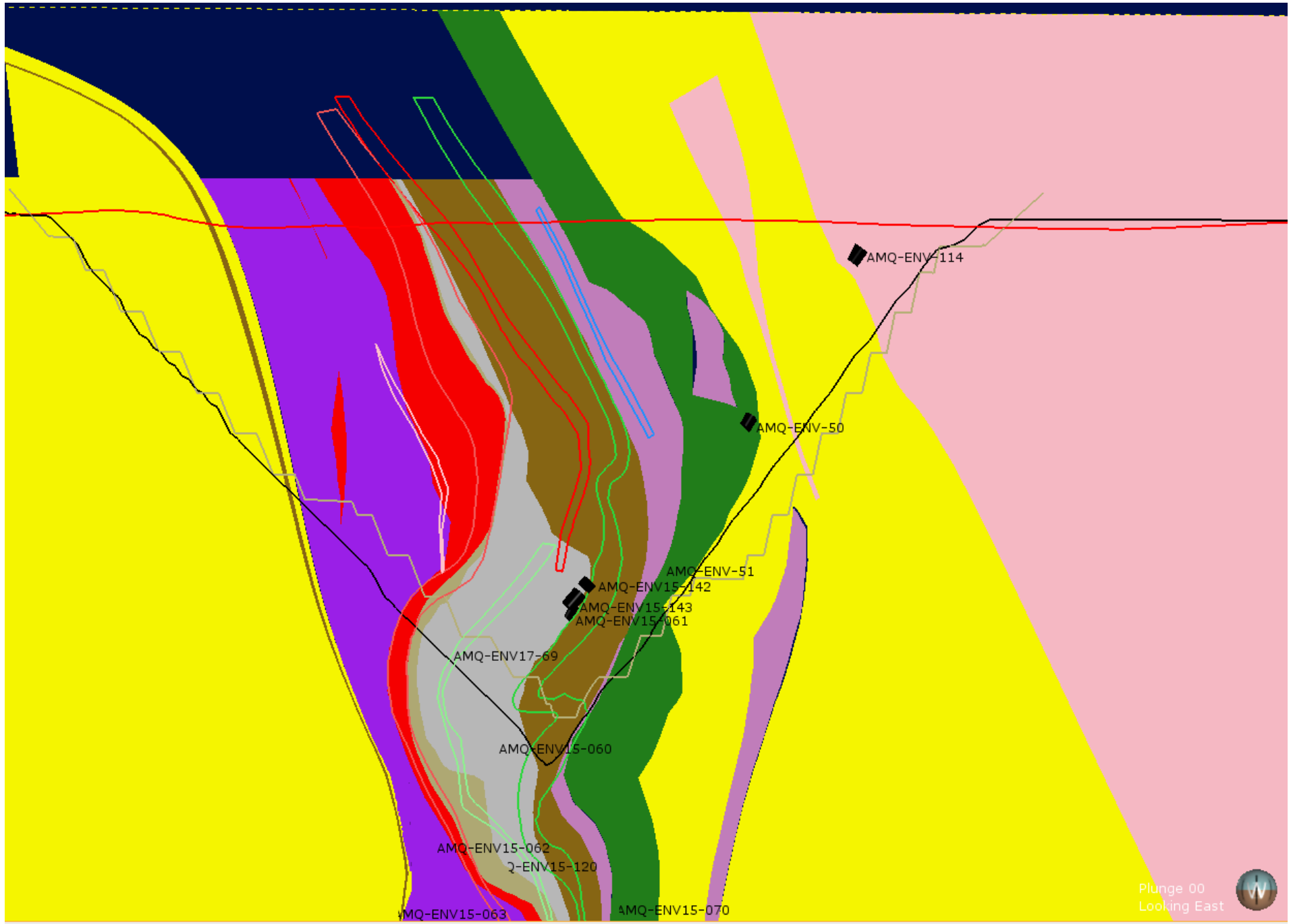

AMQ-ENV16-50
QZ4a
Plunge 00
Looking East

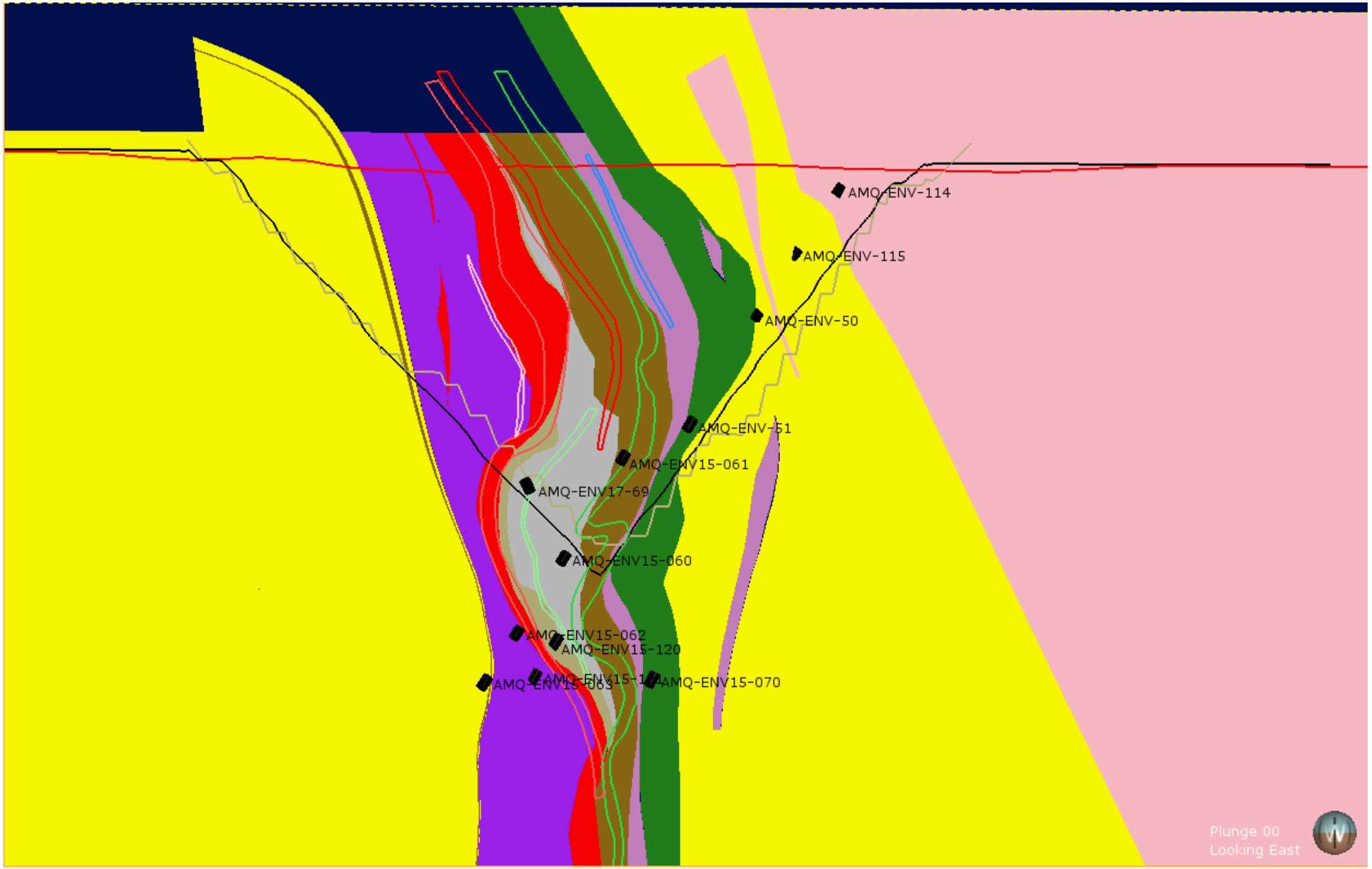

AMQ-ENV15-091
AMQ-ENV16-05
MQ-ENV17-18
AMQ-ENV16-04
AMQ-ENV15-089
AMQ-ENV16-03
AMQ-ENV15-090
MQ-ENV17-17
AMQ-ENV15-075
AMQ-ENV15-074
Plunge 00
Looking East

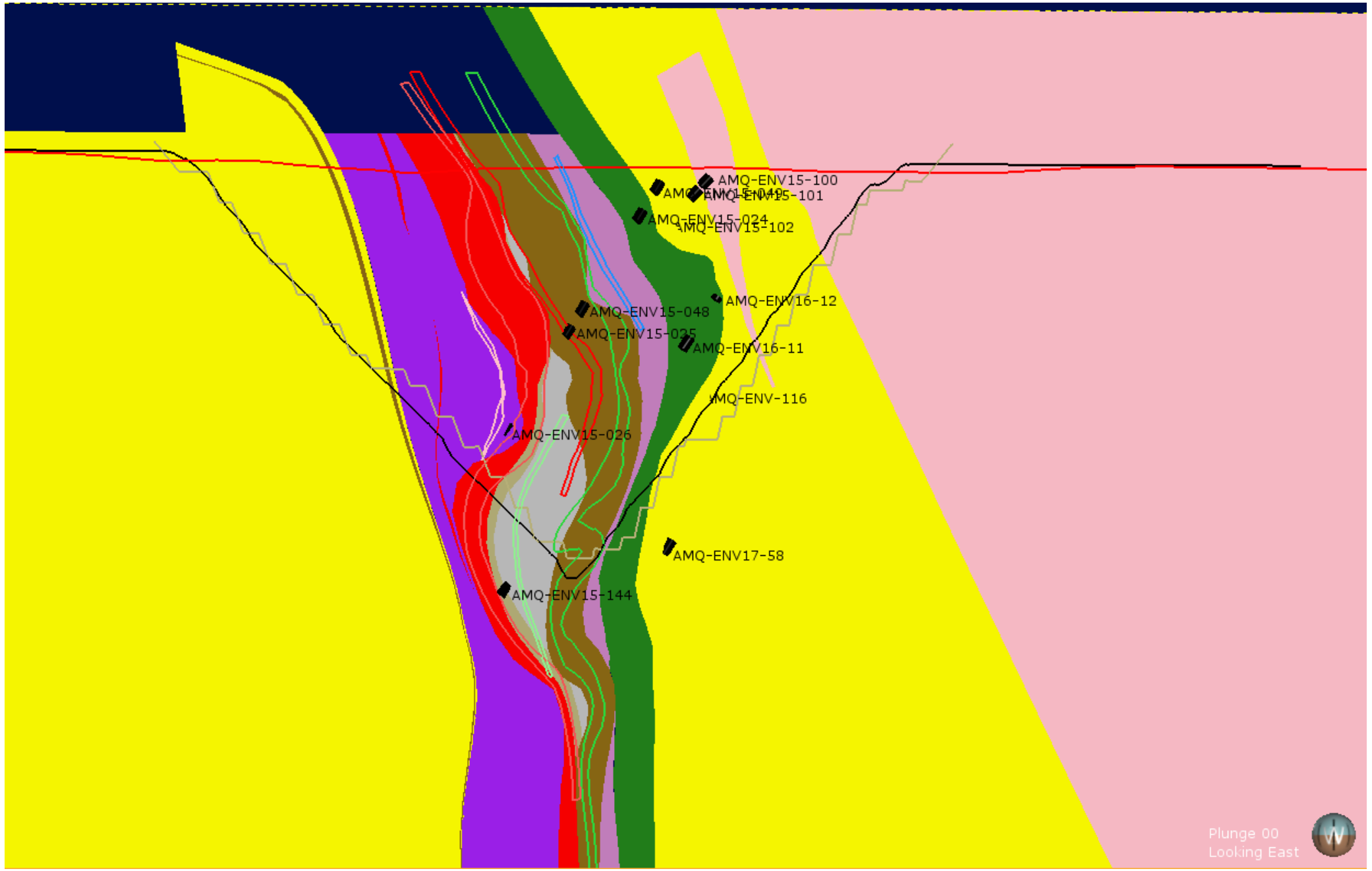

AMQ-ENV15-091
AMQ-ENV17-18
AMQ-ENV15-092
AMQ-ENV15-089
AMQ-ENV15-090
AMQ-ENV17-17
Q-ENV15-044
Plunge 00
Looking East

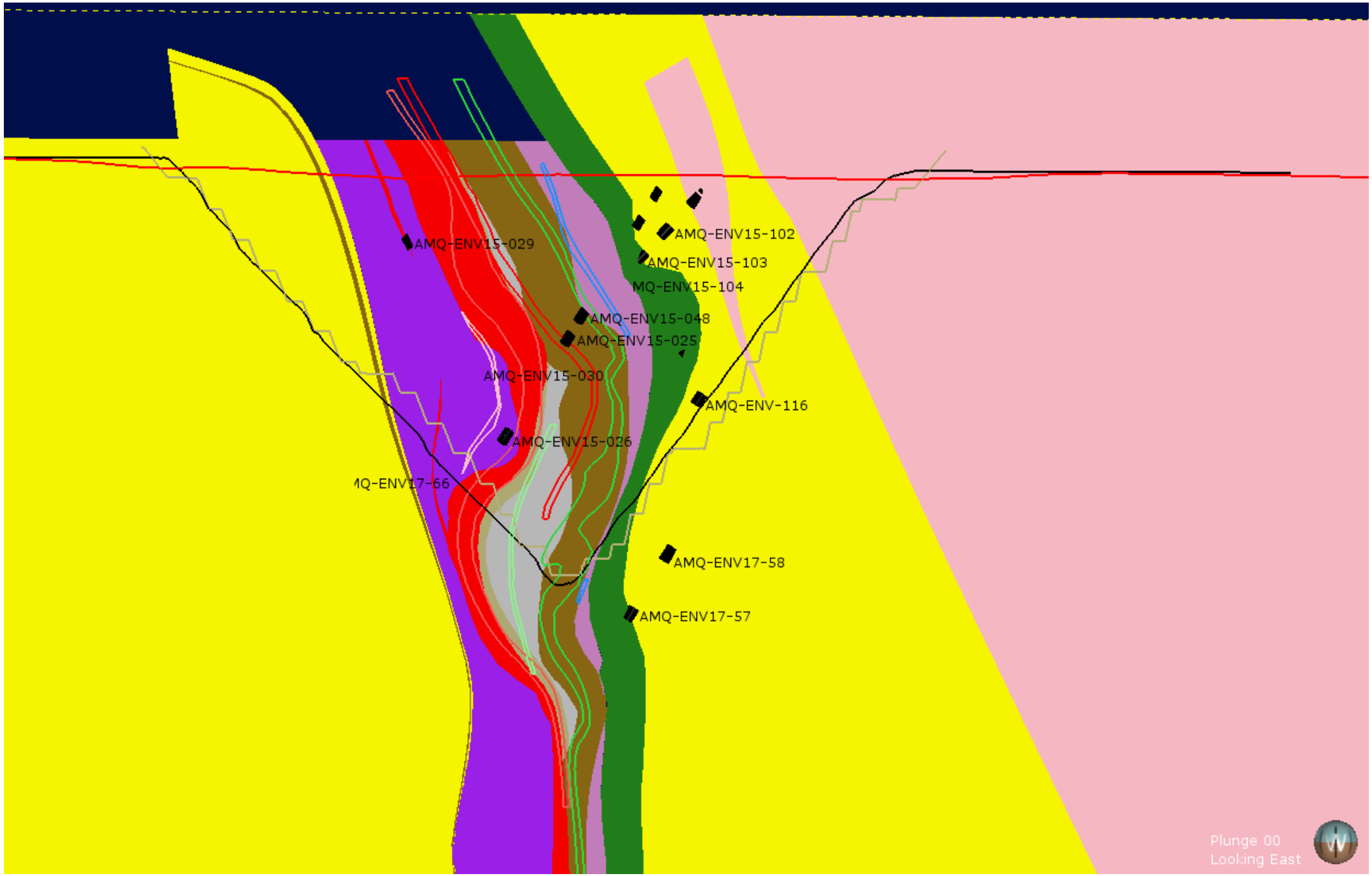

AMQ-ENV15-040
AMQ-ENV15-041
AMQ-ENV15-042
AMQ-ENV17-19
AMQ-ENV15-043
AMQ-ENV15-044
Plunge 00
Looking East

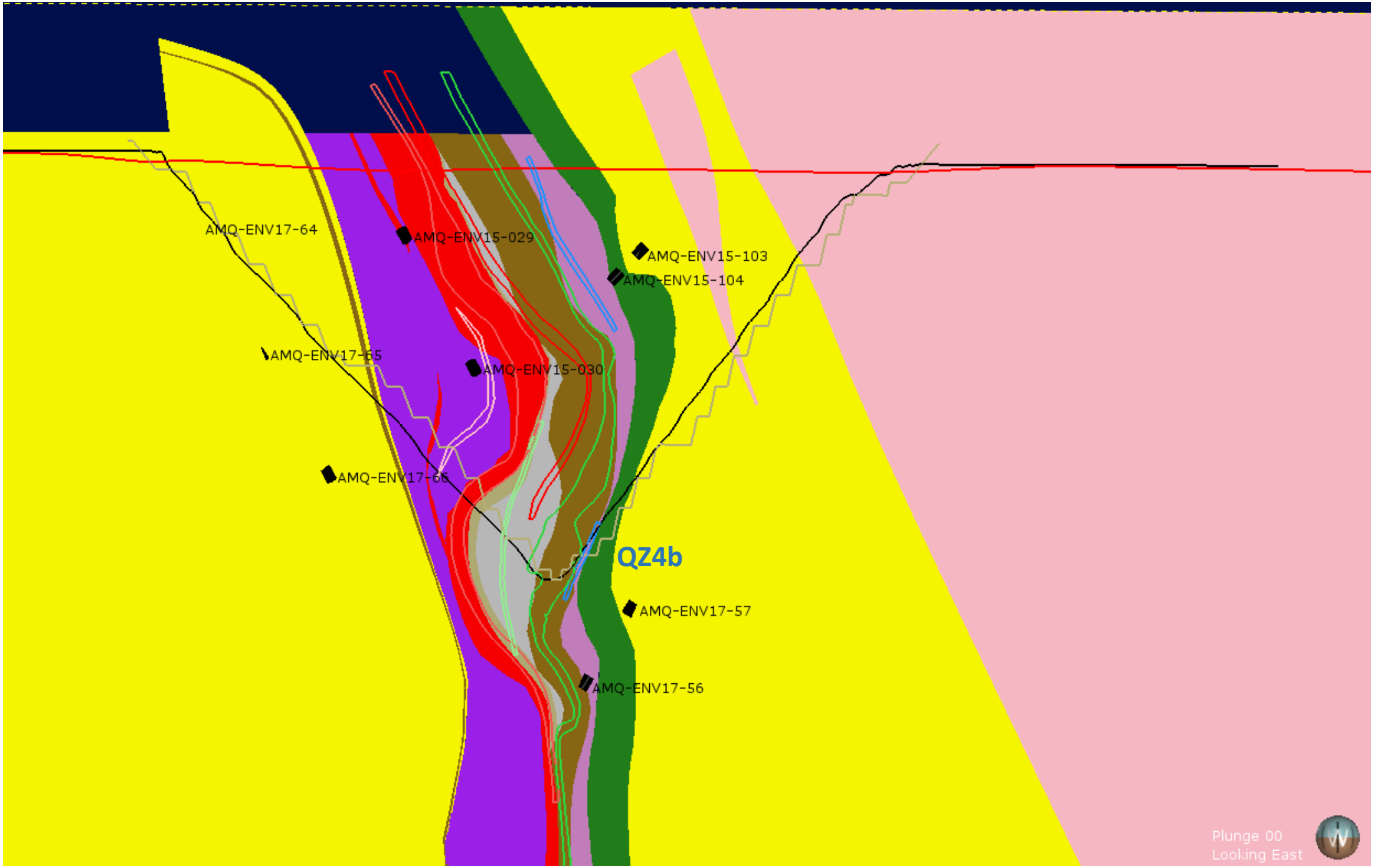

AMQ-ENV16-01
AMQ-ENV-54
AMQ-ENV15-134
AMQ-ENV16-02
AMQ-ENV-58
AMQ-ENV15-135
AMQ-ENV-59
AMQ-ENV-52
AMQ-ENV-56
AMQ-ENV-53
AMQ-ENV15-140
AMQ-ENV15-141
AMQ-ENV15-142
AMQ-ENV15-143
Plunge 00
Looking East

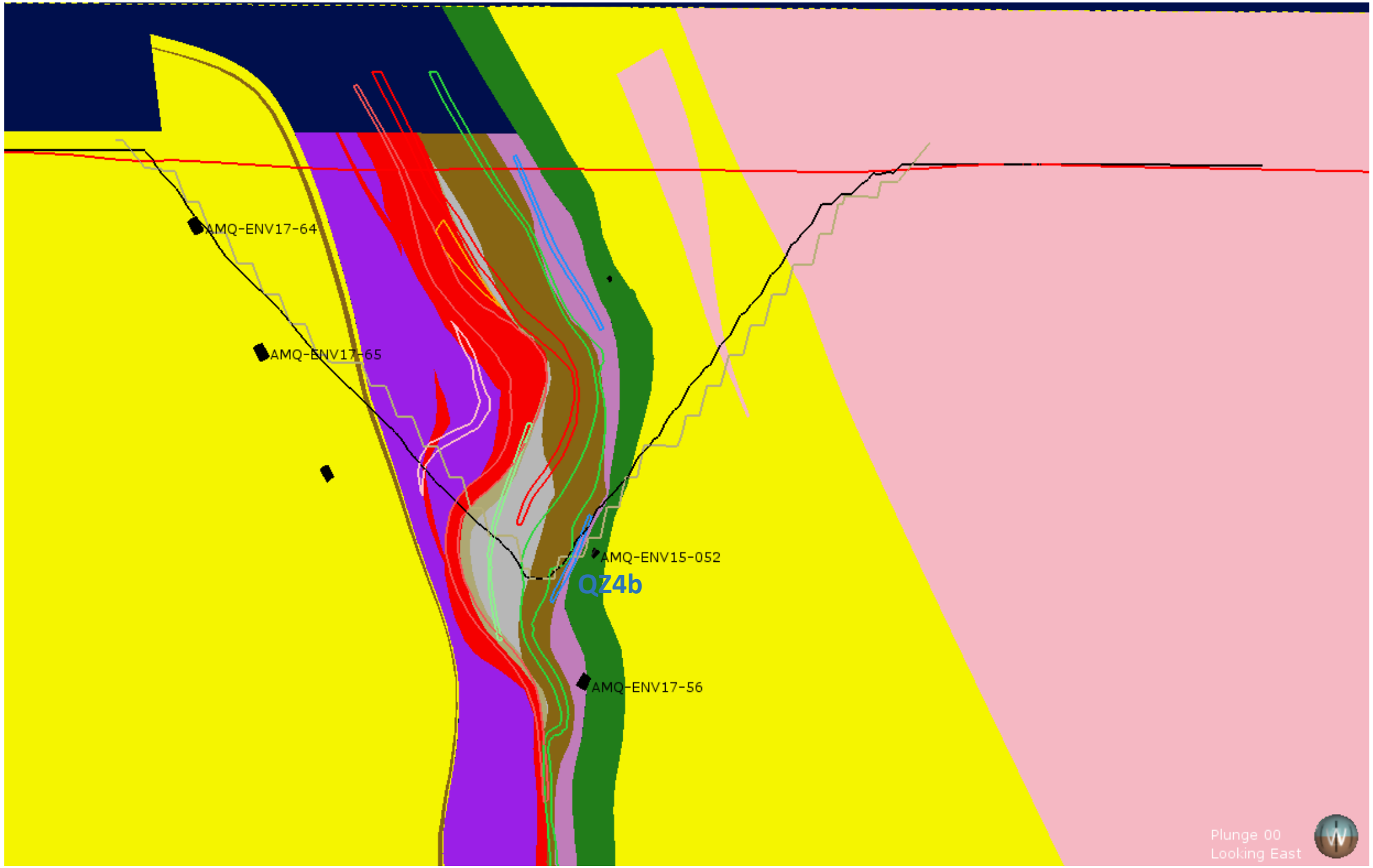

AMQ-ENV-114
AMQ-ENV-50
AMQ-ENV-51
AMQ-ENV15-142
AMQ-ENV15-143
AMQ-ENV15-061
AMQ-ENV17-69
AMQ-ENV15-060
AMQ-ENV15-062
Q-ENV15-120
MQ-ENV15-063
AMQ-ENV15-070
Plunge 00
Looking East

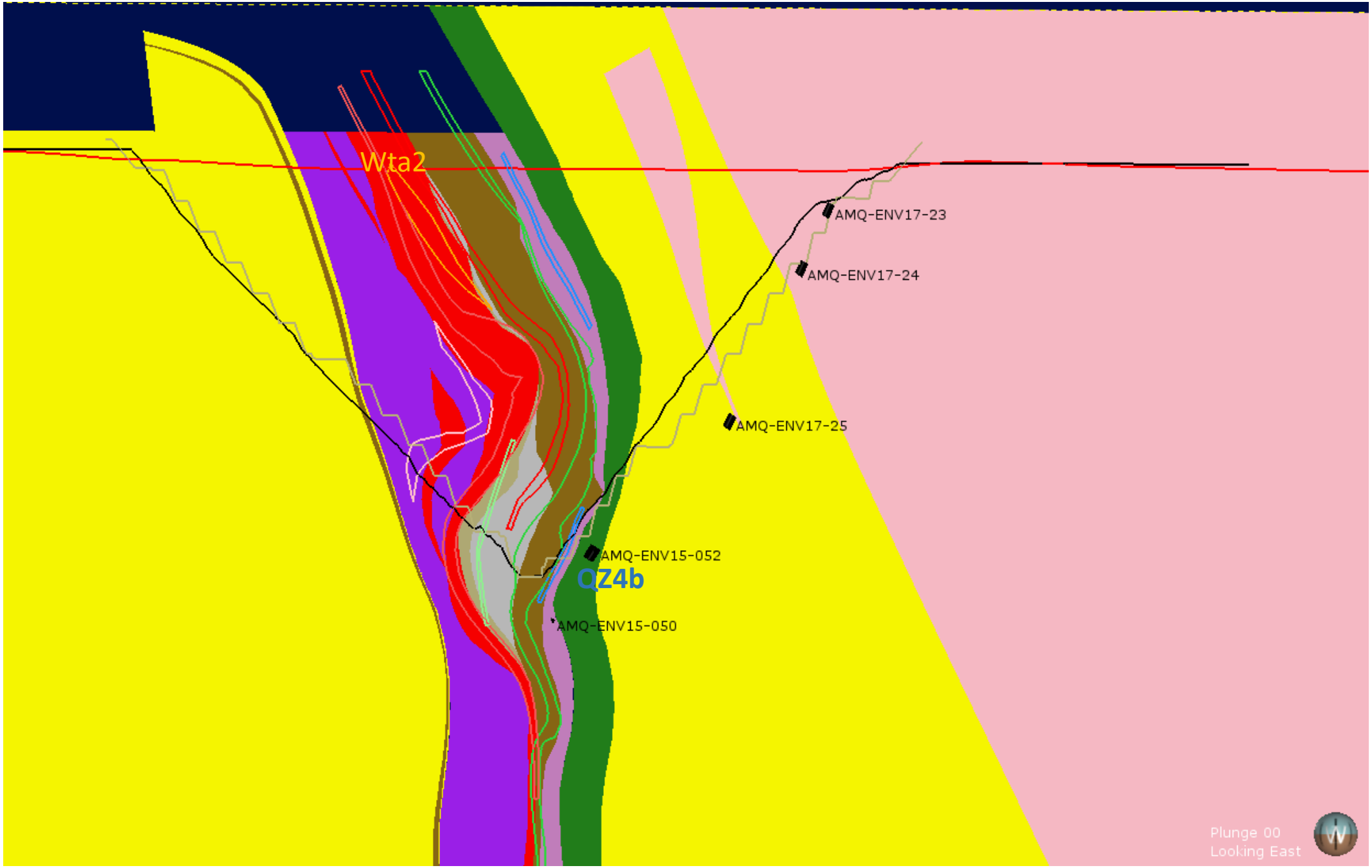

AMQ-ENV-114
AMQ-ENV-115
AMQ-ENV-50
AMQ-ENV-51
AMQ-ENV15-061
AMQ-ENV17-69
AMQ-ENV15-060
AMQ-ENV15-062
AMQ-ENV15-120
AMQ-ENV15-063
AMQ-ENV15-070
Plunge 00
Looking East

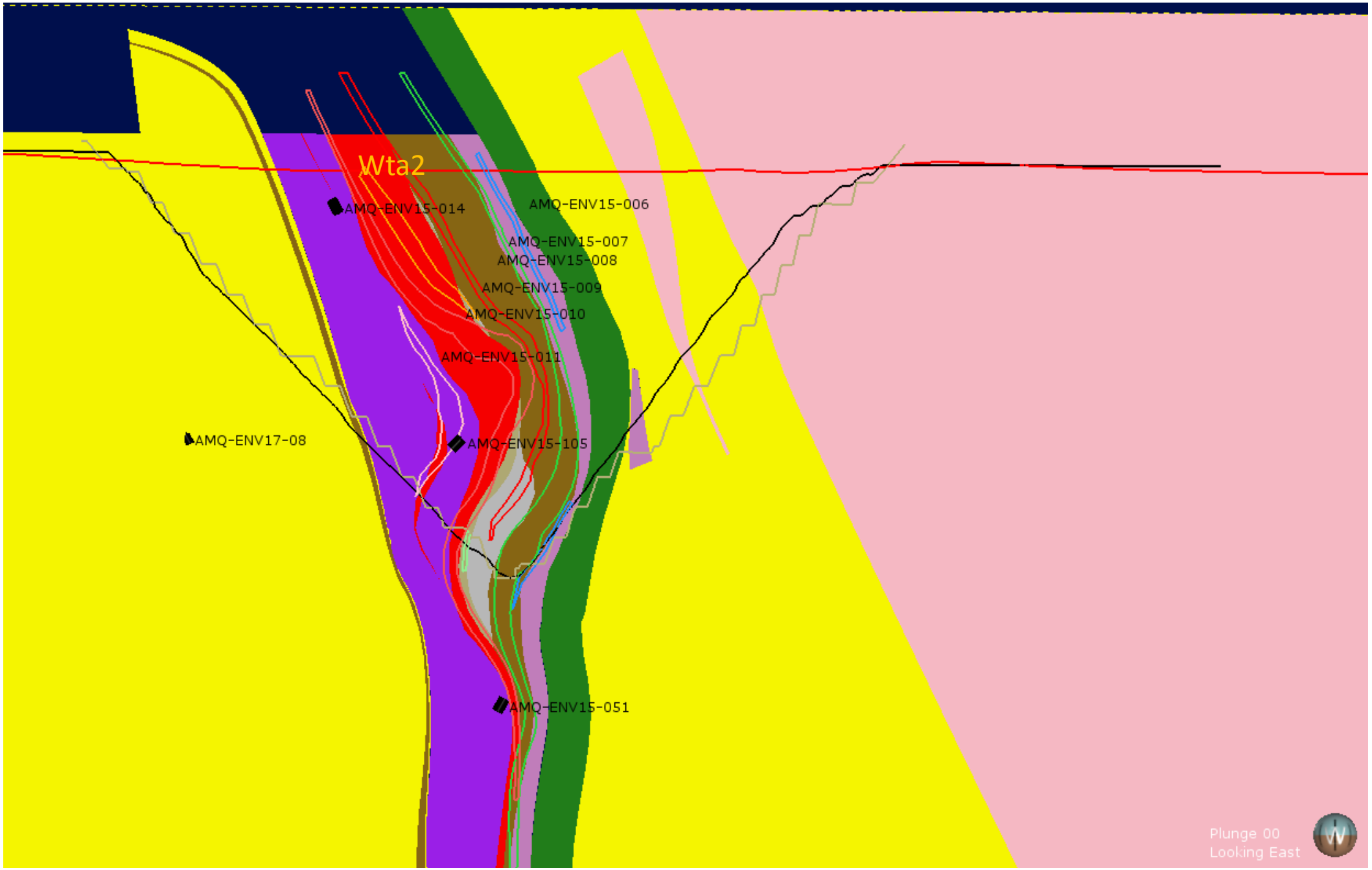

AMQ-ENV15-100
AMQ-ENV15-101
AMQ-ENV15-024
AMQ-ENV15-102
AMQ-ENV16-12
AMQ-ENV15-048
AMQ-ENV15-025
AMQ-ENV16-11
AMQ-ENV-116
AMQ-ENV15-026
AMQ-ENV17-58
AMQ-ENV15-144
Plunge 00
Looking East

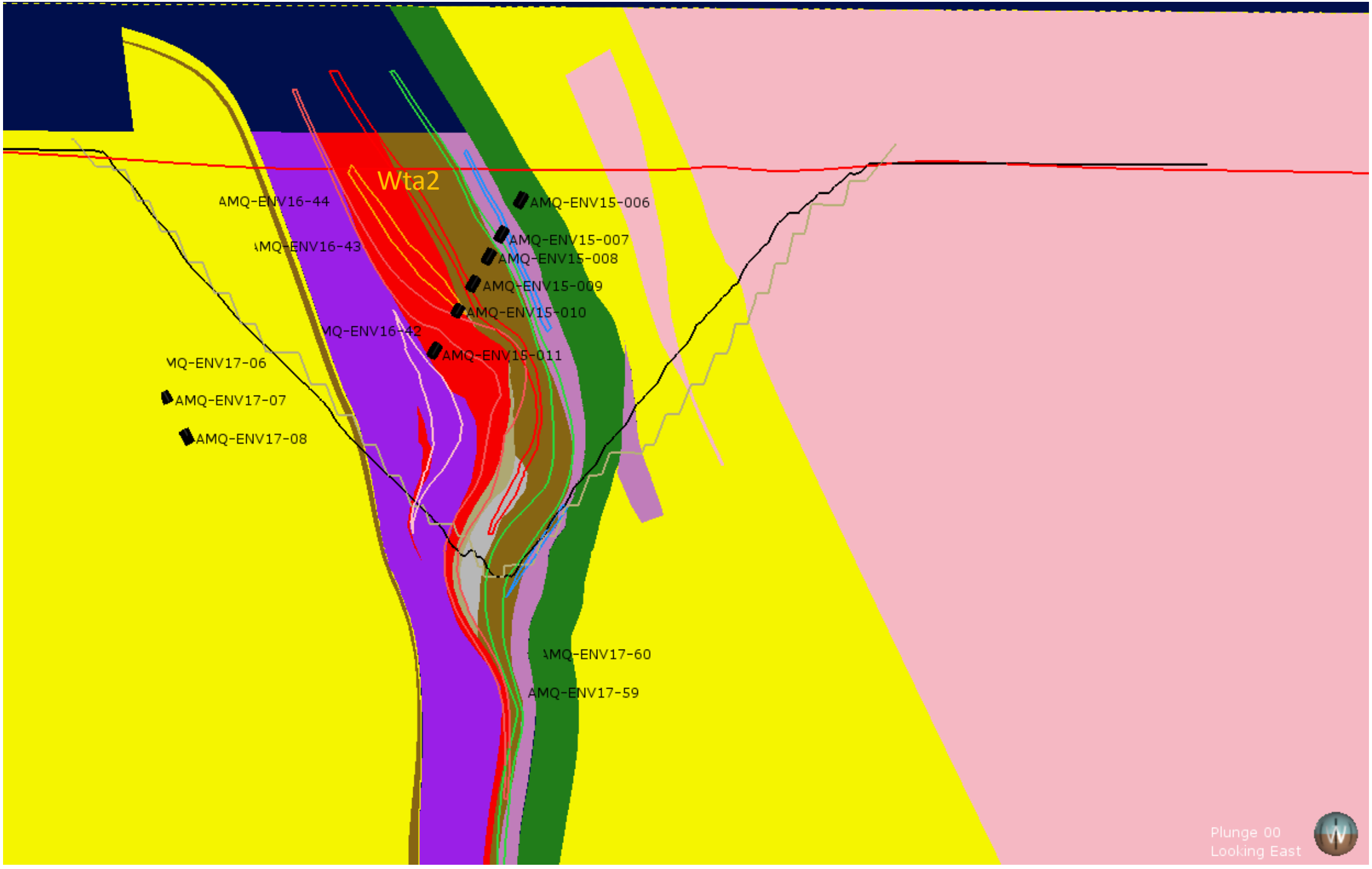

AMQ-ENV15-029
AMQ-ENV15-102
AMQ-ENV15-103
MQ-ENV15-104
AMQ-ENV15-048
AMQ-ENV15-025
AMQ-ENV15-030
AMQ-ENV-116
AMQ-ENV15-026
AMQ-ENV17-58
AMQ-ENV17-57
Plunge 00
Looking East

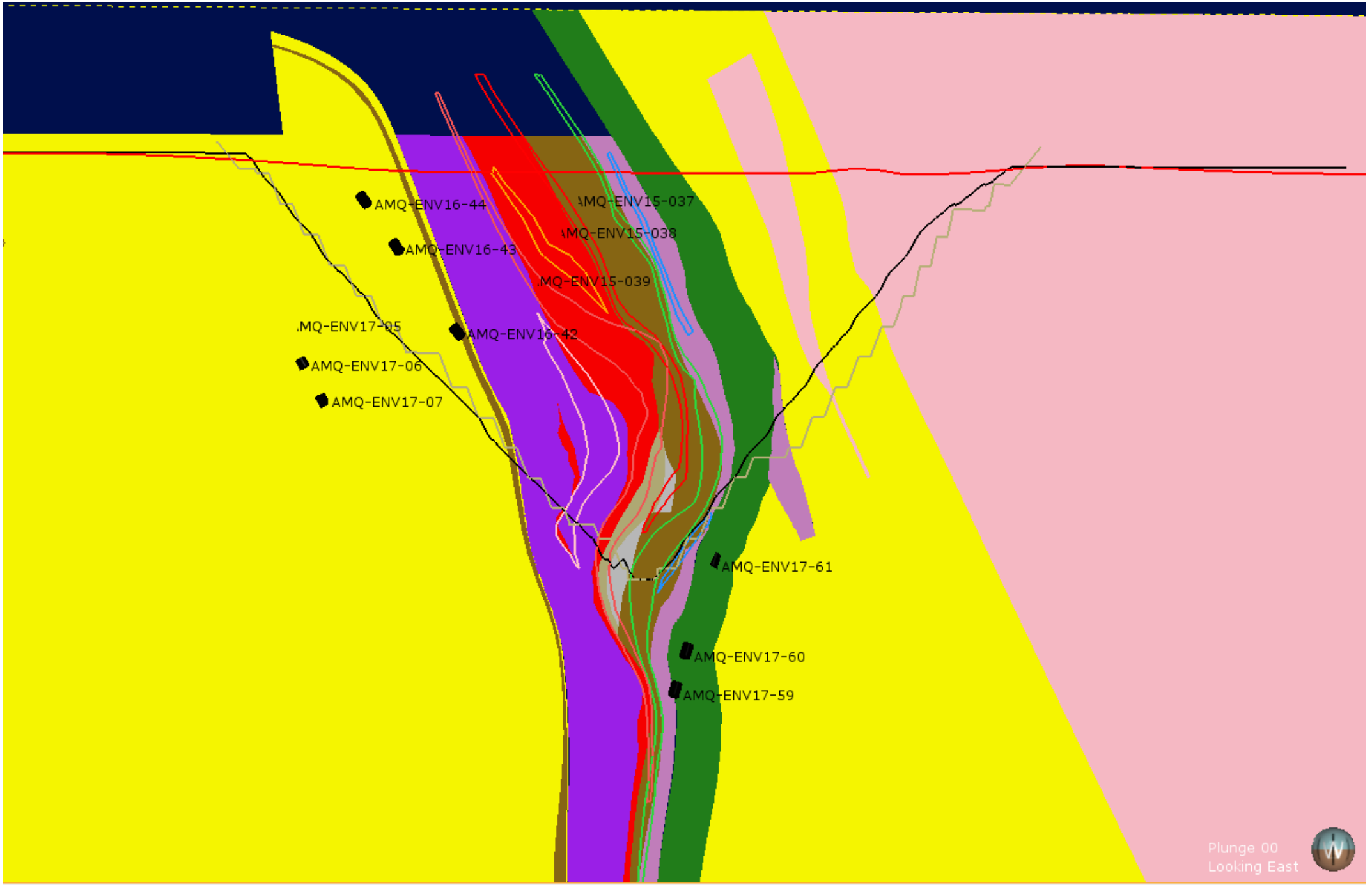

AMQ-ENV17-64
AMQ-ENV15-029
AMQ-ENV15-103
AMQ-ENV15-104
AMQ-ENV17-65
AMQ-ENV15-030
AMQ-ENV17-66
QZ4b
AMQ-ENV17-57
AMQ-ENV17-56
Plunge 00
Looking East

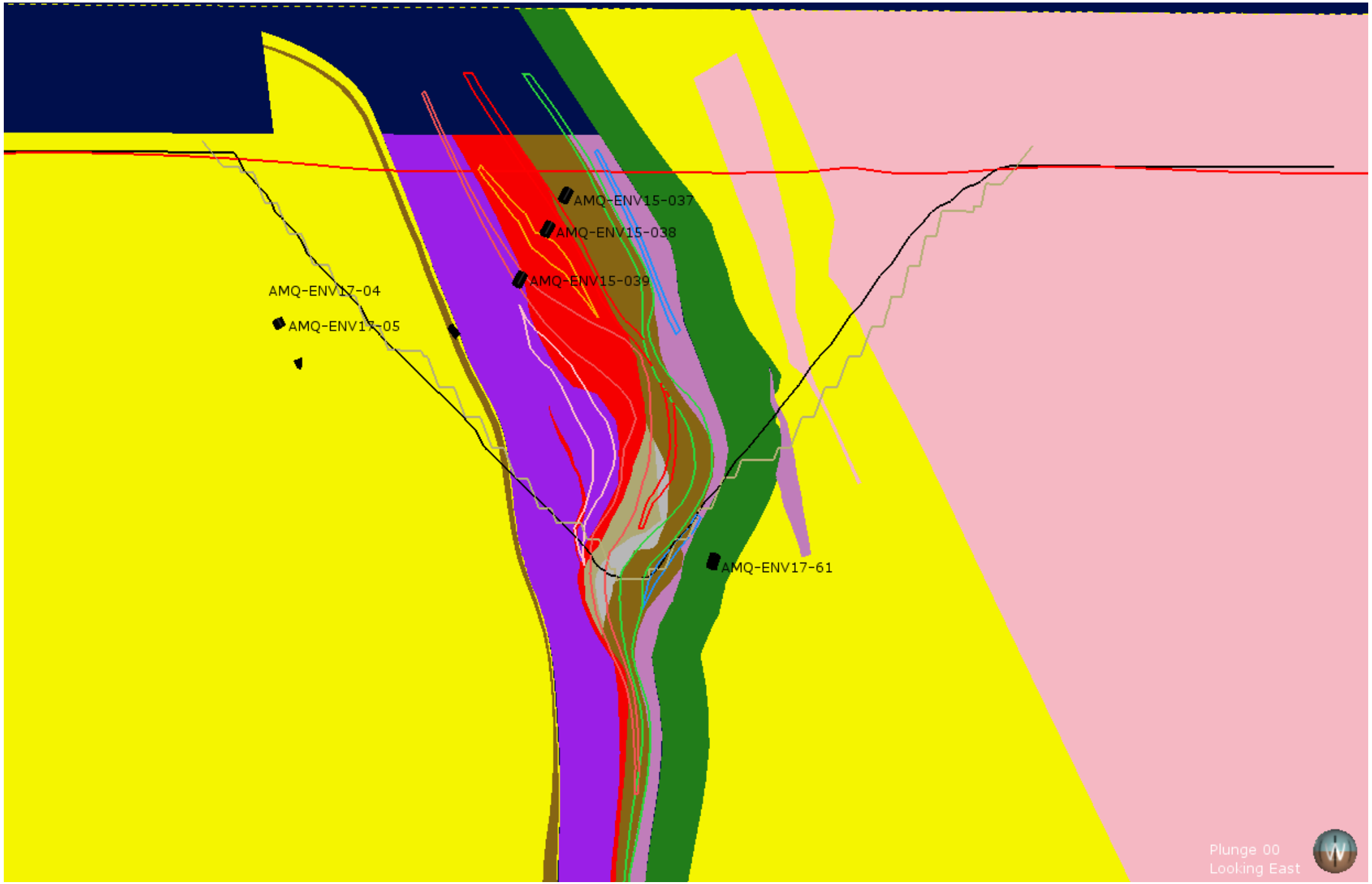

AMQ-ENV17-64
AMQ-ENV17-65
AMQ-ENV15-052
QZ4b
AMQ-ENV17-56
Plunge 00
Looking East

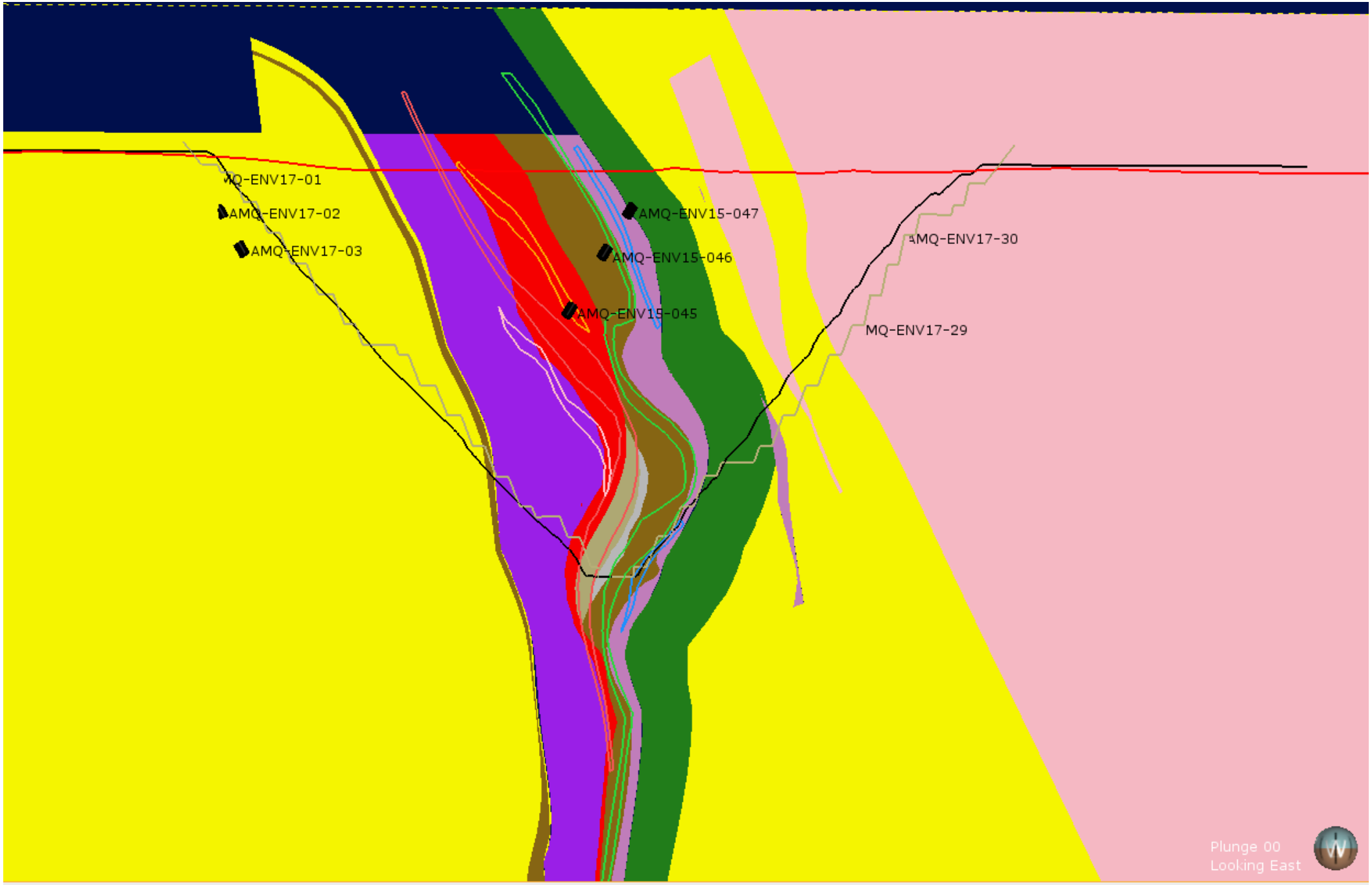

Wta2
AMQ-ENV17-23
AMQ-ENV17-24
AMQ-ENV17-25
AMQ-ENV15-052
QZ4b
AMQ-ENV15-050
Plunge 00
Looking East

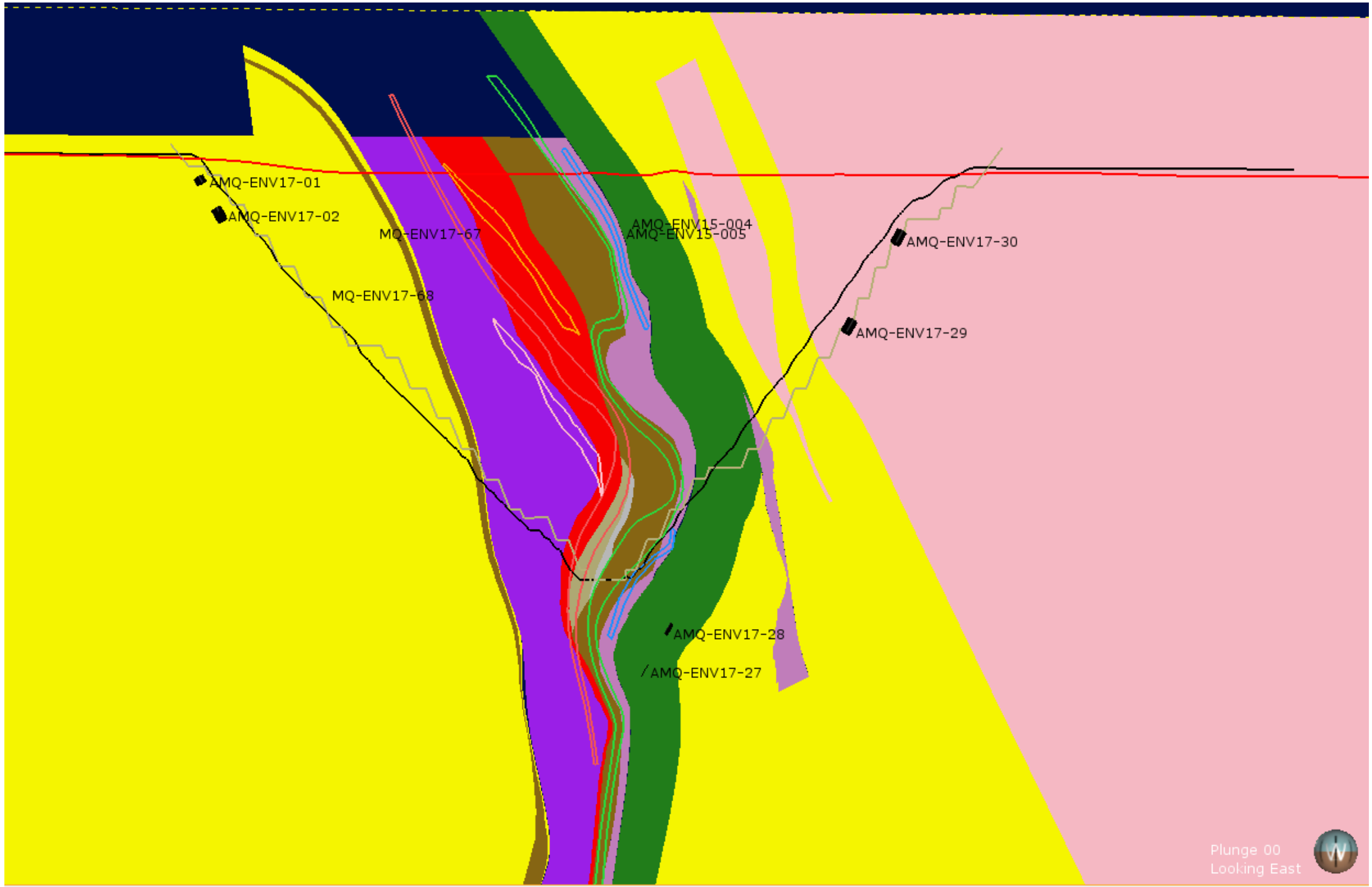

Wta2
AMQ-ENV15-014
AMQ-ENV15-006
AMQ-ENV15-007
AMQ-ENV15-008
AMQ-ENV15-009
AMQ-ENV15-010
AMQ-ENV15-011
AMQ-ENV17-08
AMQ-ENV15-105
AMQ-ENV15-051
Plunge 00
Looking East

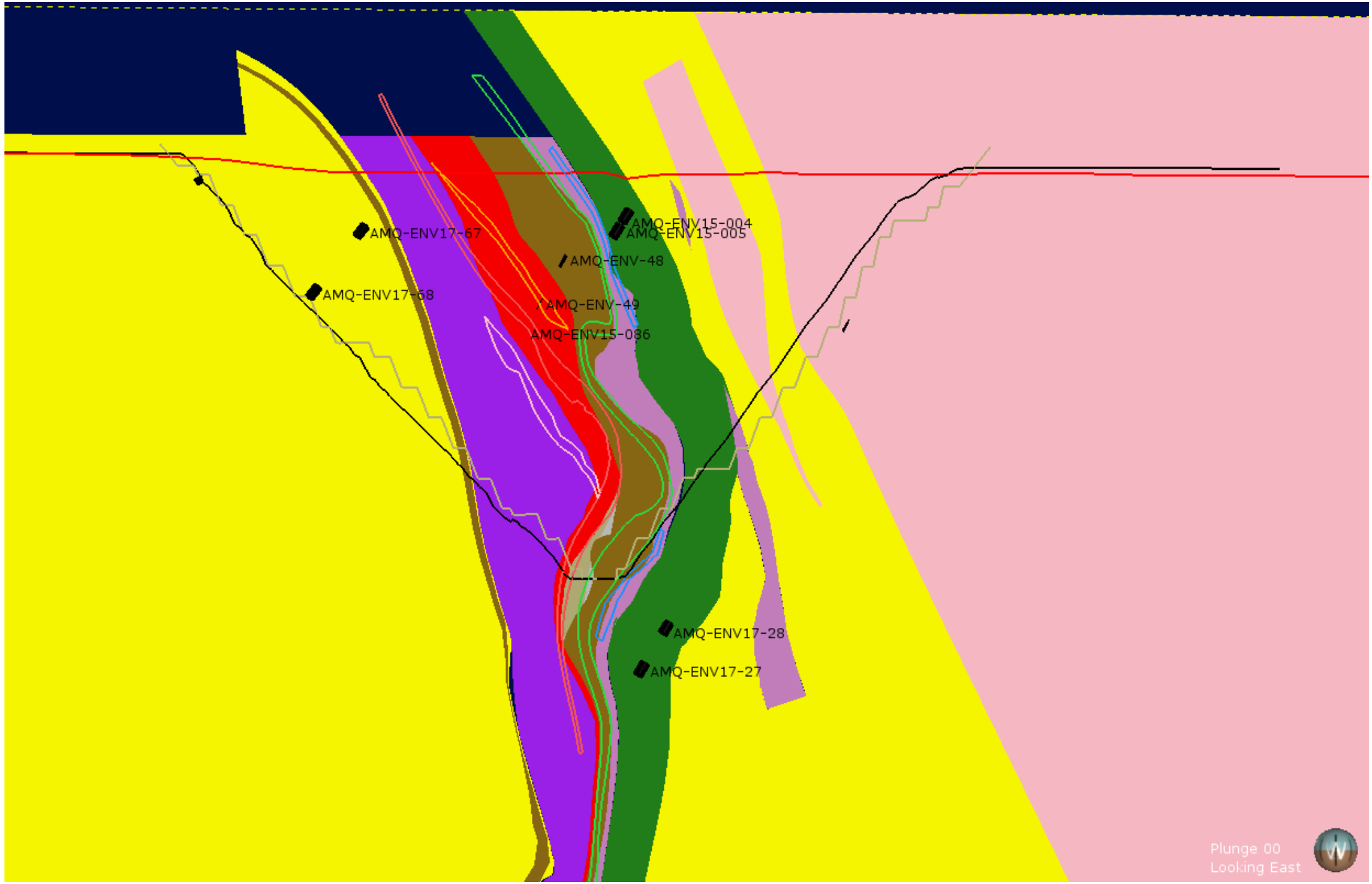

Wta2
AMQ-ENV16-44
AMQ-ENV16-43
MQ-ENV16-42
MQ-ENV17-06
AMQ-ENV17-07
AMQ-ENV17-08
AMQ-ENV15-006
AMQ-ENV15-007
AMQ-ENV15-008
AMQ-ENV15-009
AMQ-ENV15-010
AMQ-ENV15-011
MQ-ENV17-60
AMQ-ENV17-59
Plunge 00
Looking East

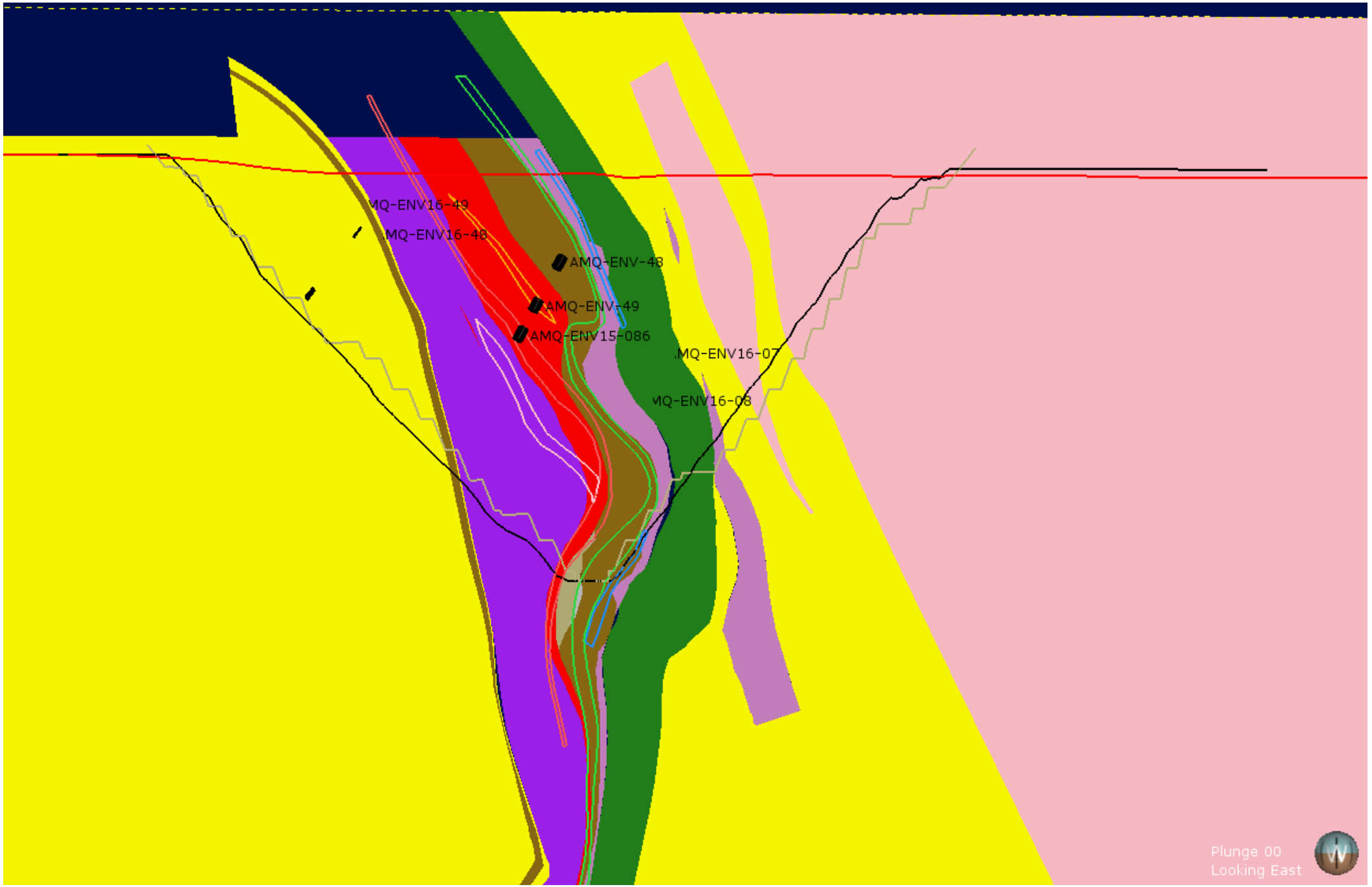

AMQ-ENV16-44
AMQ-ENV16-43
AMQ-ENV16-42
AMQ-ENV17-05
AMQ-ENV17-06
AMQ-ENV17-07
AMQ-ENV15-037
AMQ-ENV15-038
AMQ-ENV15-039
AMQ-ENV17-61
AMQ-ENV17-60
AMQ-ENV17-59
Plunge 00
Looking East

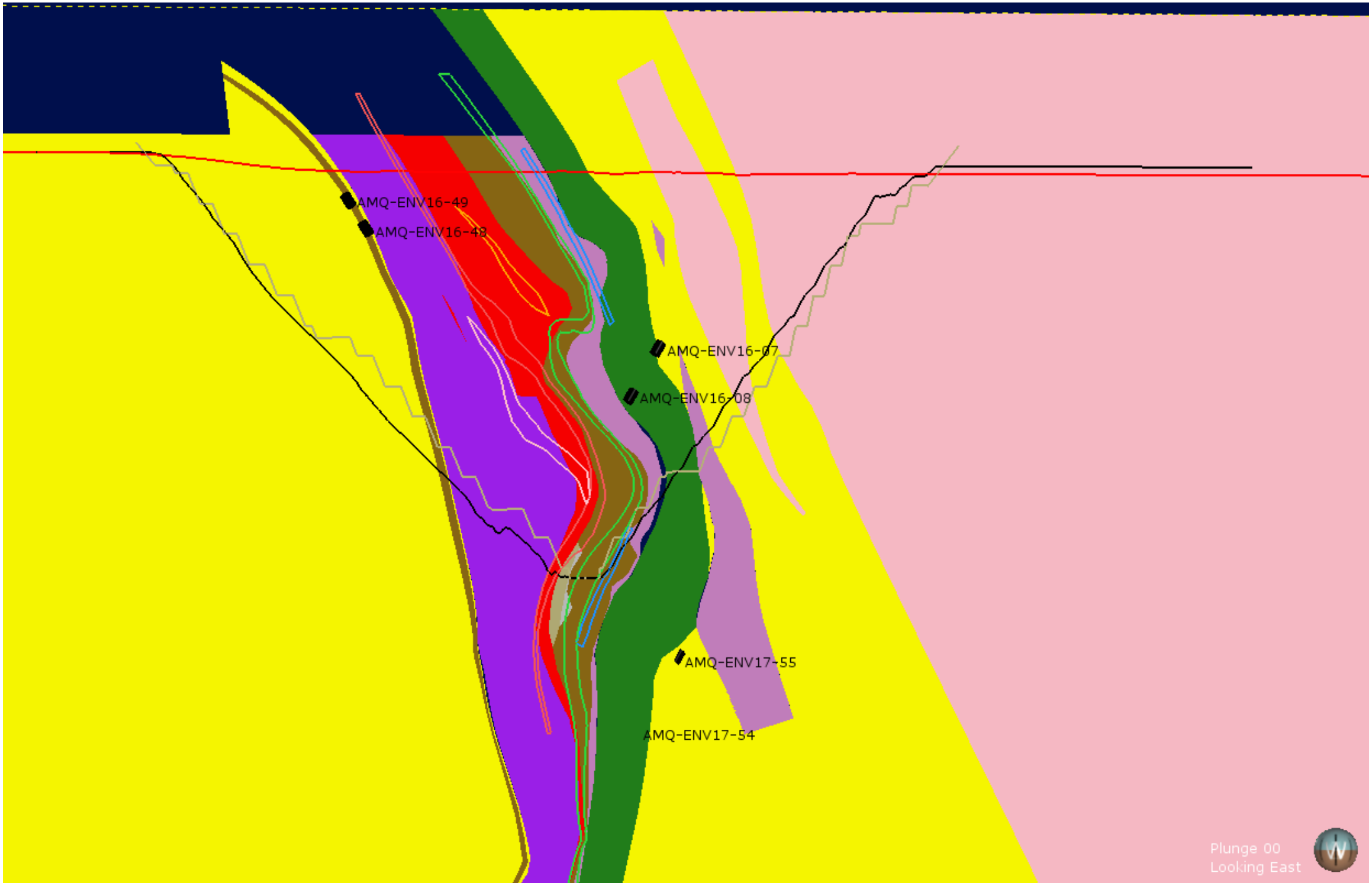

AMQ-ENV15-037
AMQ-ENV15-038
AMQ-ENV15-039
AMQ-ENV17-04
AMQ-ENV17-05
AMQ-ENV17-61
Plunge 00
Looking East

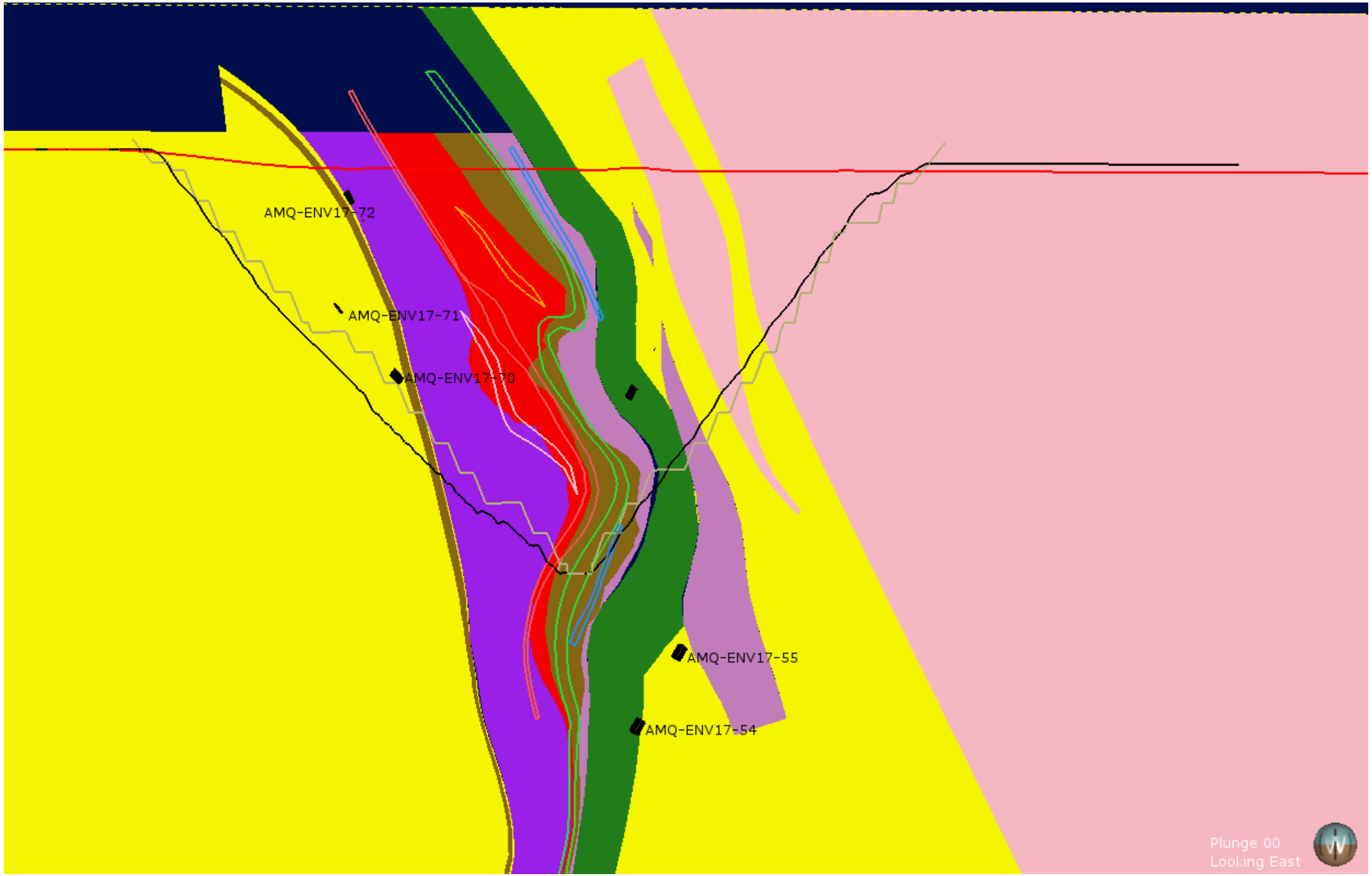

MQ-ENV17-01
AMQ-ENV17-02
AMQ-ENV17-03
AMQ-ENV15-047
AMQ-ENV15-046
AMQ-ENV15-045
MQ-ENV17-30
MQ-ENV17-29
Plunge 00
Looking East

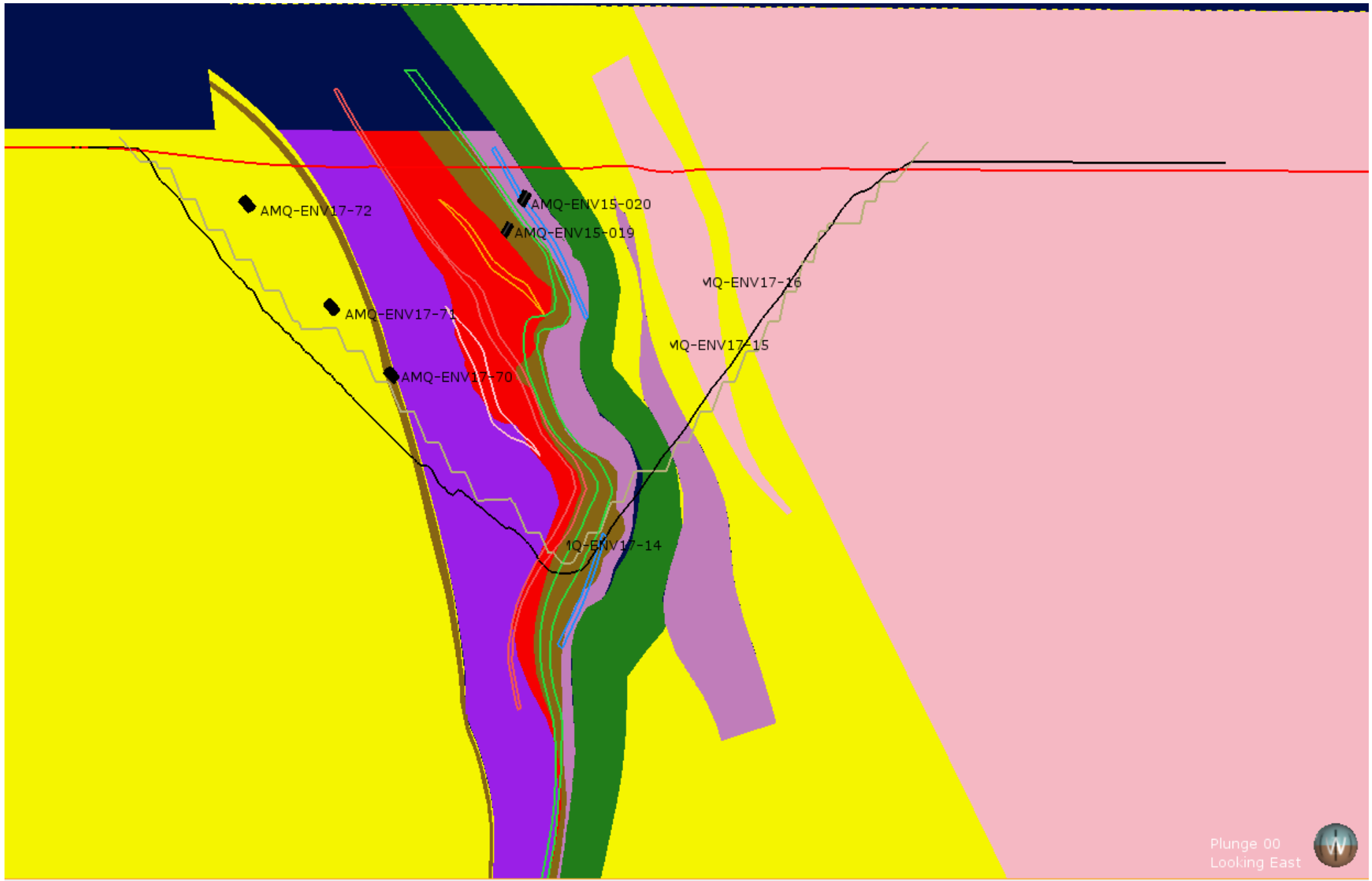

AMQ-ENV17-01
AMQ-ENV17-02
MQ-ENV17-67
MQ-ENV17-68
AMQ-ENV15-004
AMQ-ENV15-005
AMQ-ENV17-30
AMQ-ENV17-29
AMQ-ENV17-28
AMQ-ENV17-27
Plunge 00
Looking East

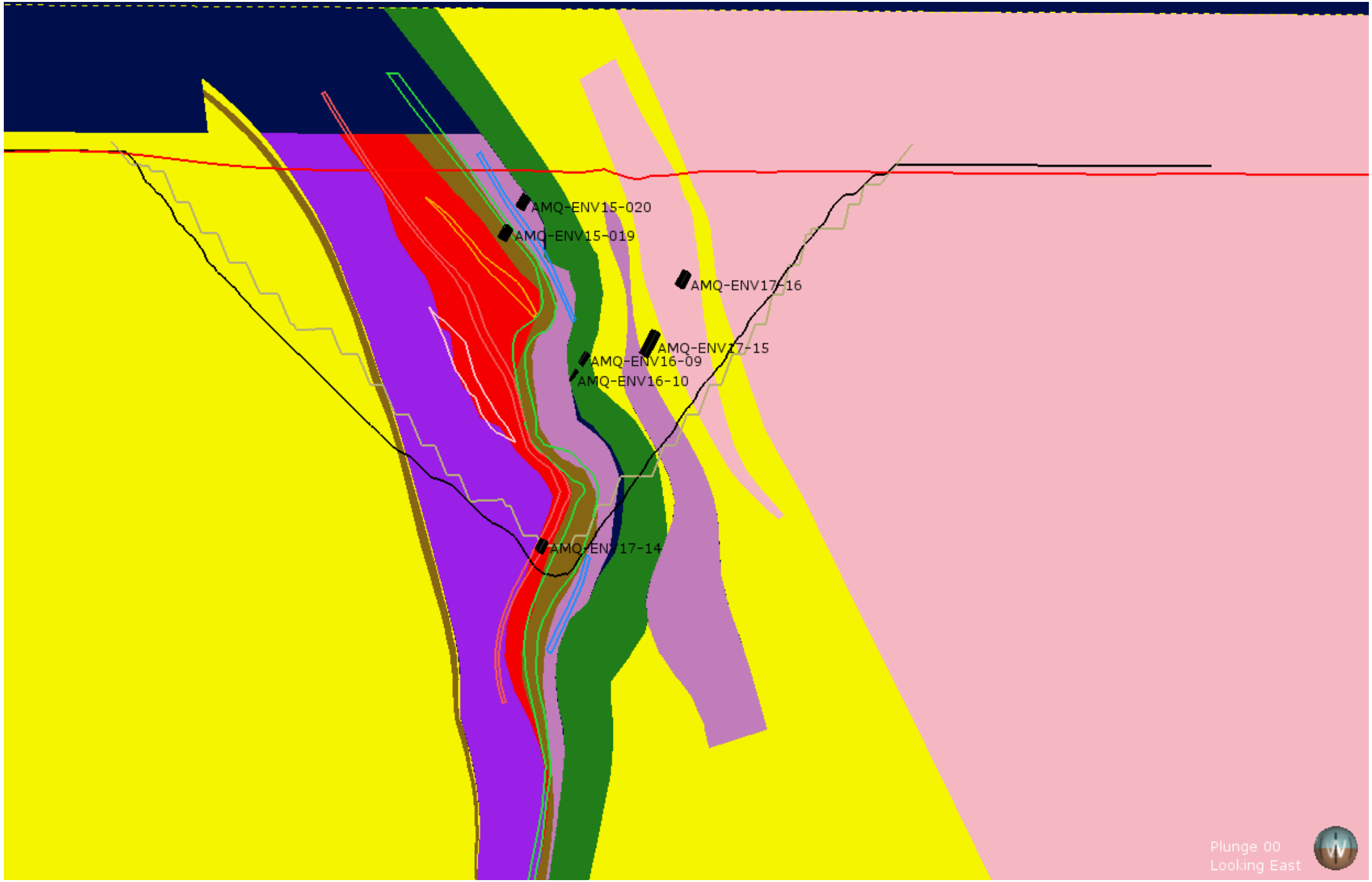

AMQ-ENV17-67
AMQ-ENV15-004
AMQ-ENV15-005
AMQ-ENV-48
AMQ-ENV17-68
AMQ-ENV-49
AMQ-ENV15-086
AMQ-ENV17-28
AMQ-ENV17-27
Plunge 00
Looking East

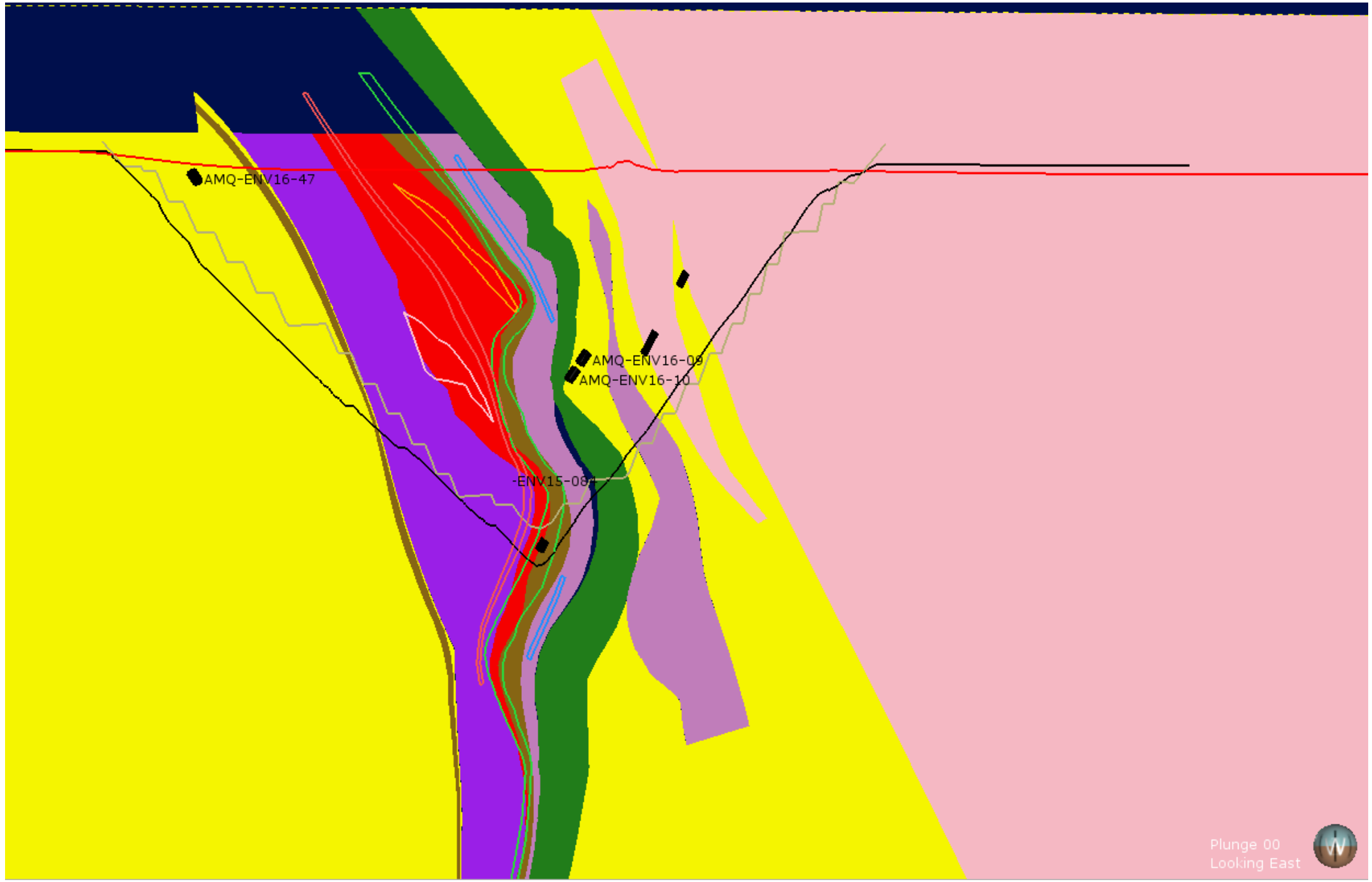

MQ-ENV16-49
MQ-ENV16-48
AMQ-ENV-48
AMQ-ENV-49
AMQ-ENV15-086
MQ-ENV16-07
MQ-ENV16-08
Plunge 00
Looking East

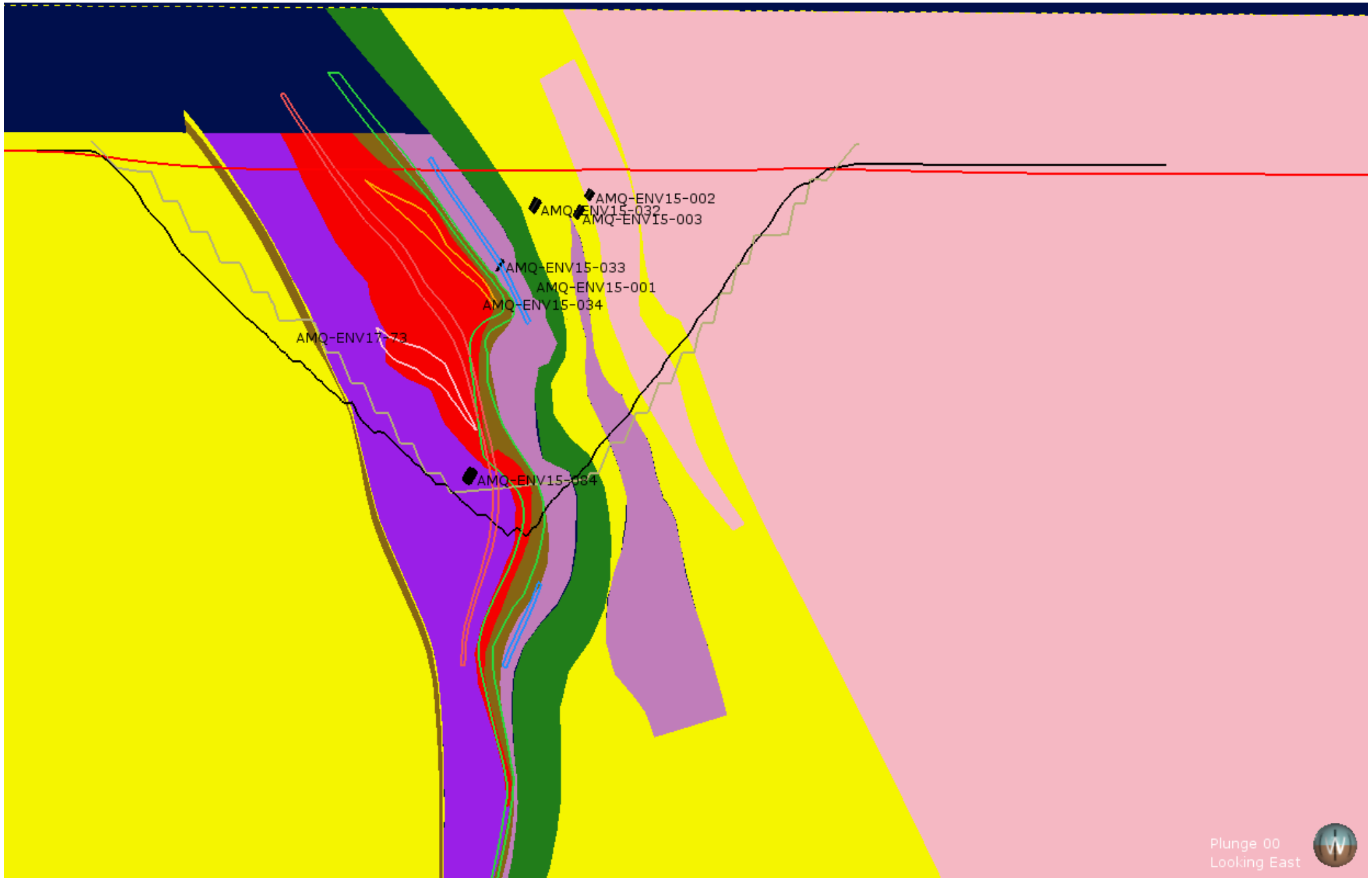

AMQ-ENV16-49
AMQ-ENV16-48
AMQ-ENV16-07
AMQ-ENV16-08
AMQ-ENV17-55
AMQ-ENV17-54
Plunge 00
Looking East

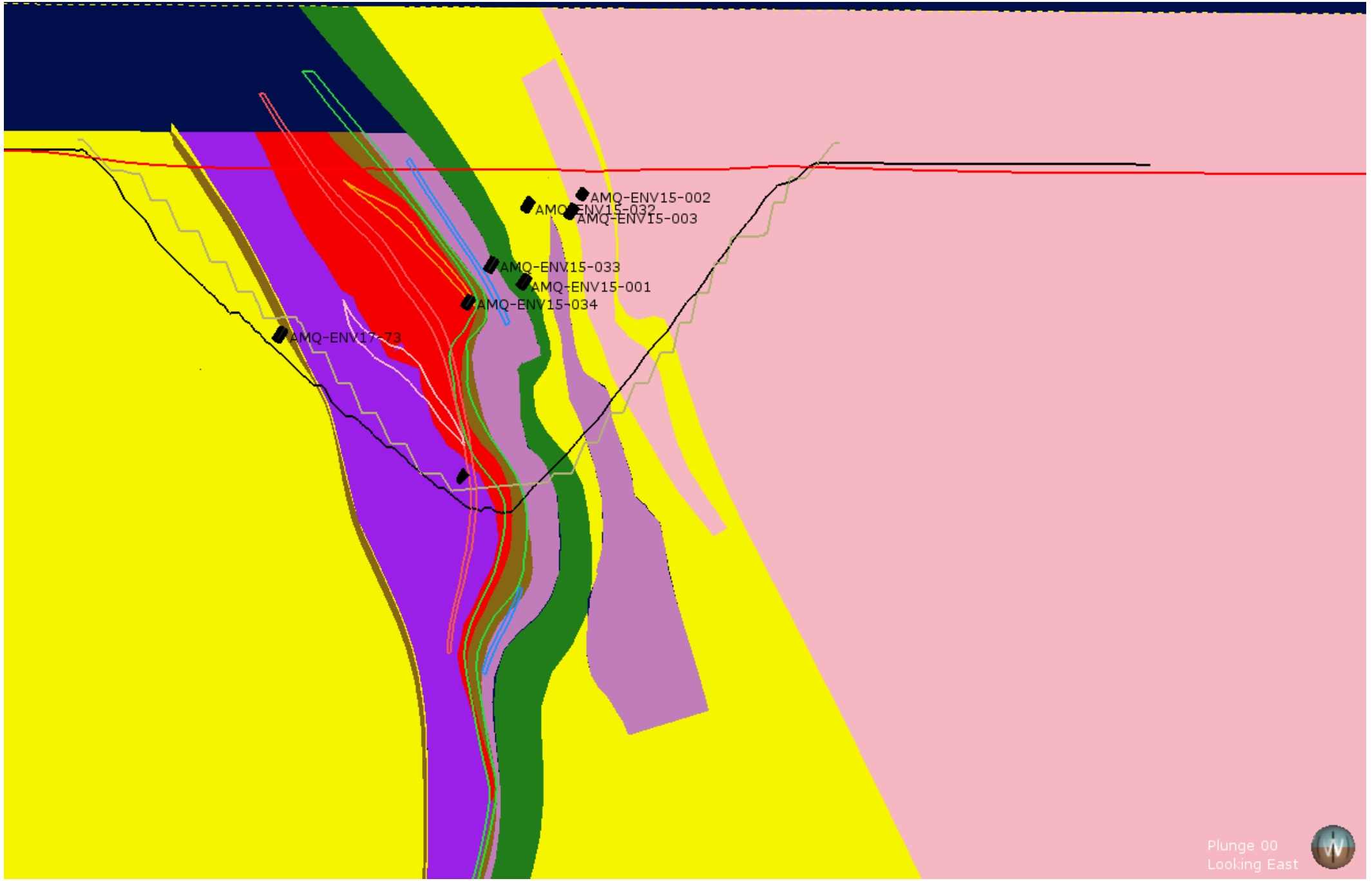

AMQ-ENV17-72
AMQ-ENV17-71
AMQ-ENV17-70
AMQ-ENV17-55
AMQ-ENV17-54
Plunge 00
Looking East

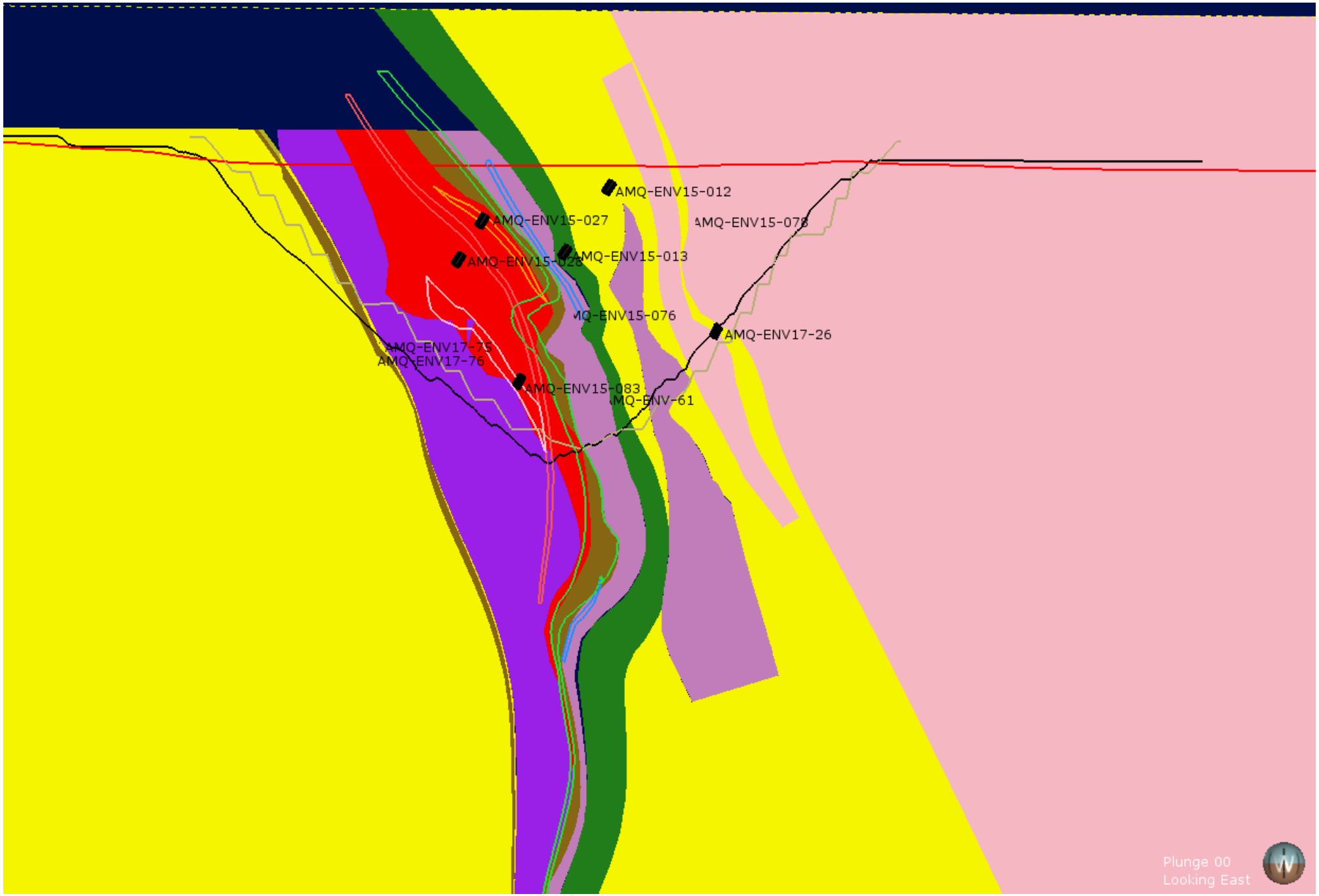

AMQ-ENV17-72
AMQ-ENV15-020
AMQ-ENV15-019
AMQ-ENV17-71
AMQ-ENV17-70
Plunge 00
Looking East

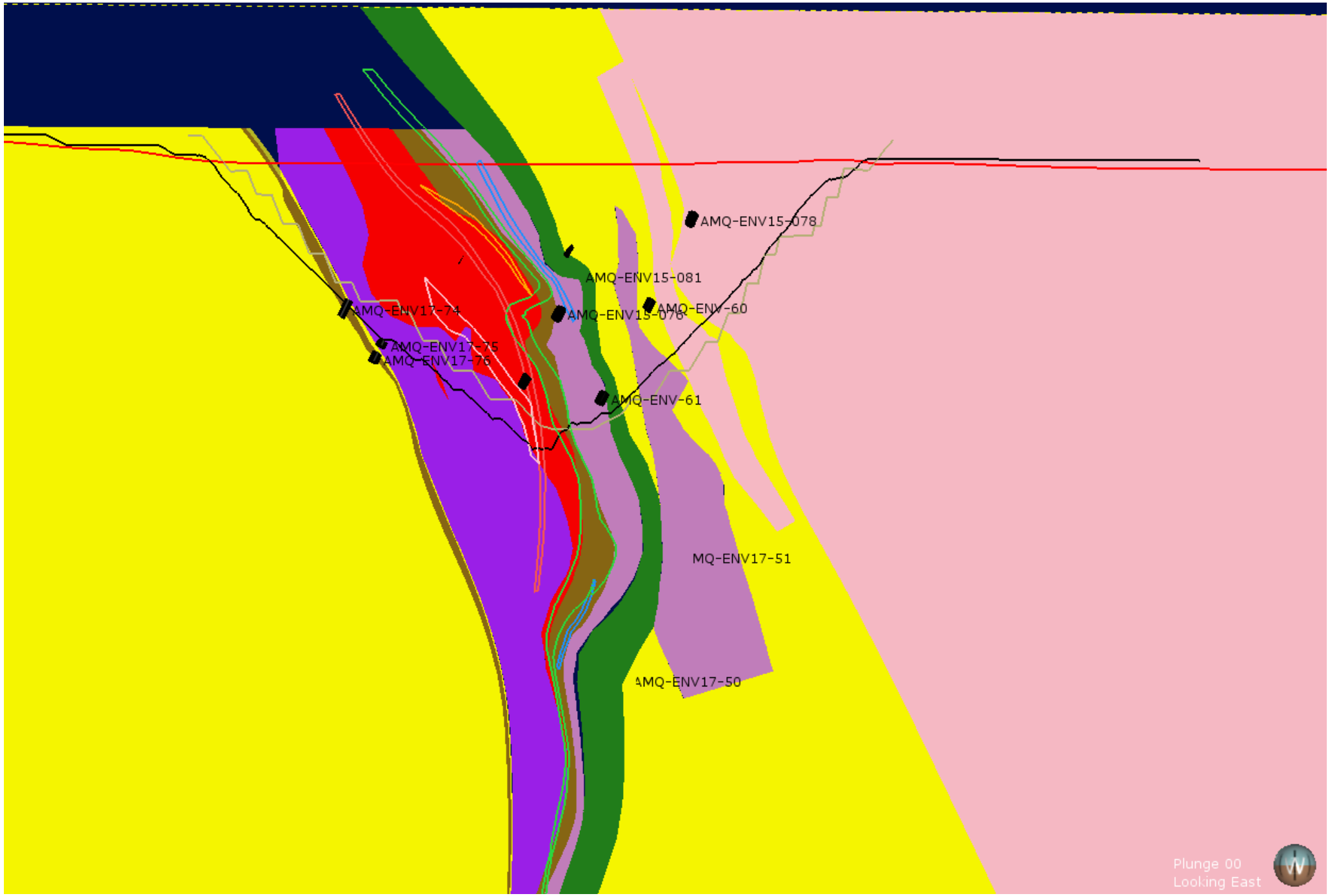

AMQ-ENV15-020
AMQ-ENV15-019
AMQ-ENV17-16
AMQ-ENV17-15
AMQ-ENV16-09
AMQ-ENV16-10
AMQ-ENV17-14
Plunge 00
Looking East

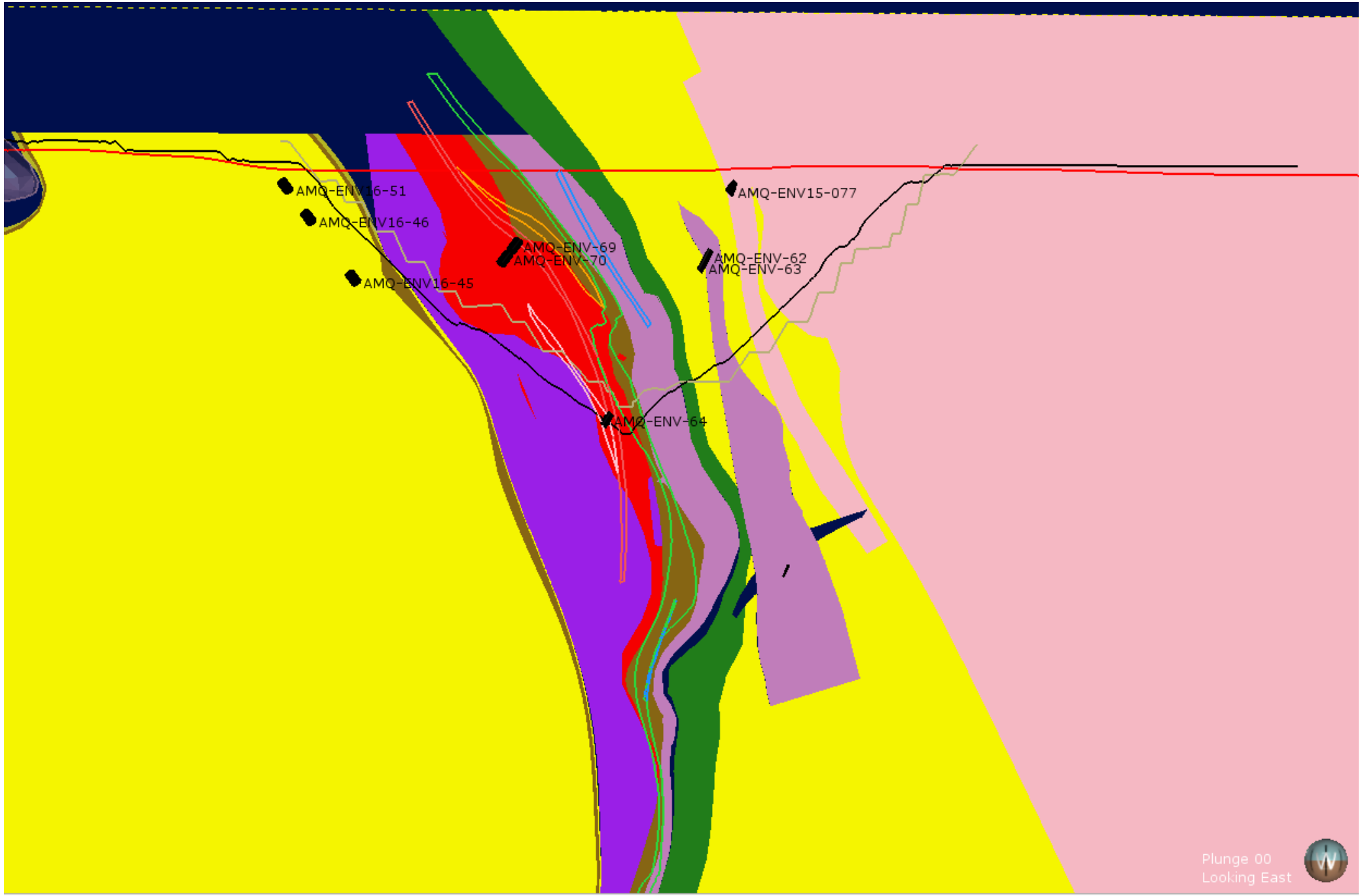

AMQ-ENV16-47
AMQ-ENV16-09
AMQ-ENV16-10
-ENV15-08
Plunge 00
Looking East

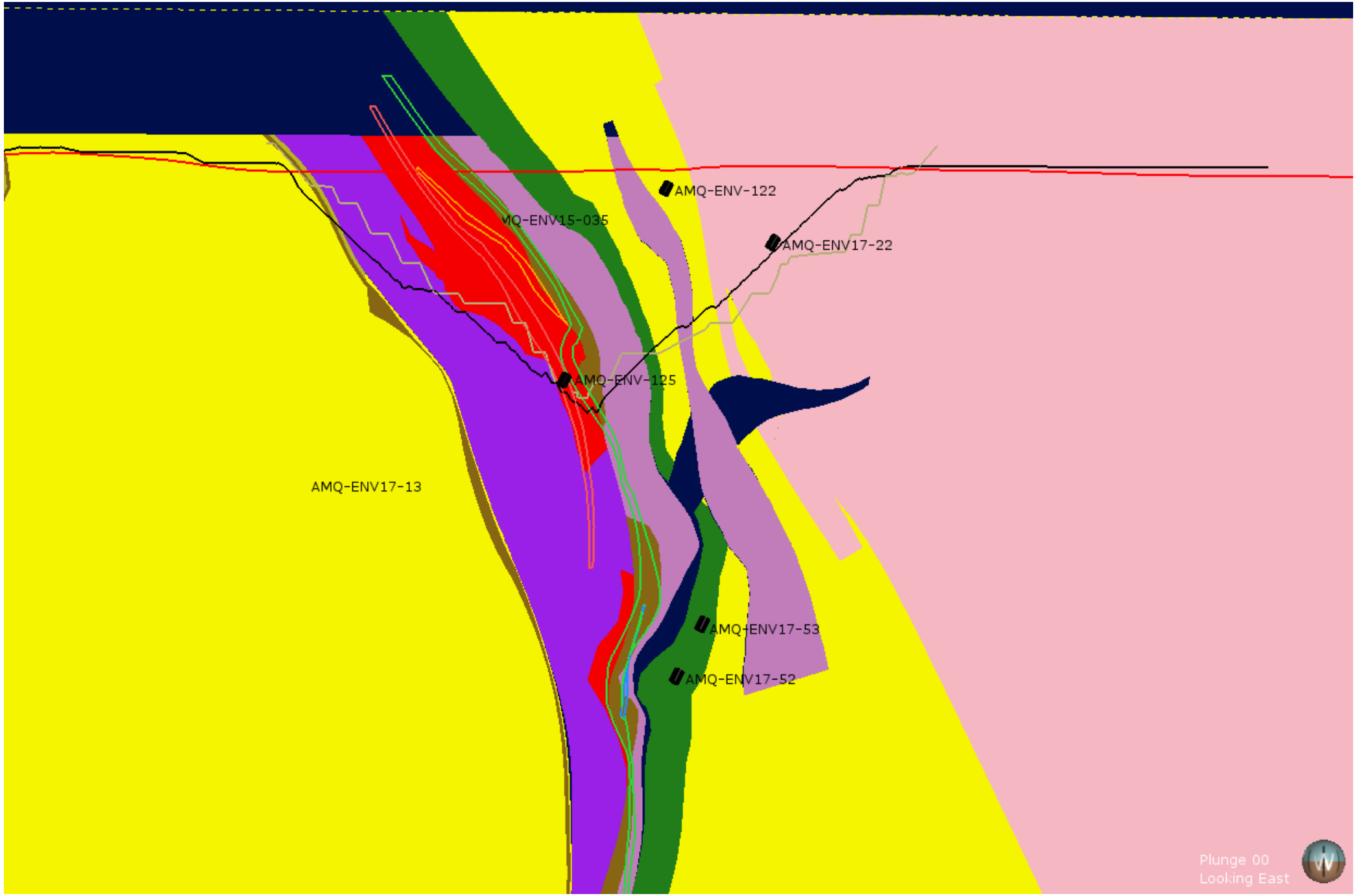

AMQ-ENV15-002
AMQ-ENV15-032
AMQ-ENV15-003
AMQ-ENV15-033
AMQ-ENV15-001
AMQ-ENV15-034
AMQ-ENV17-73
AMQ-ENV15-084
Plunge 00
Looking East

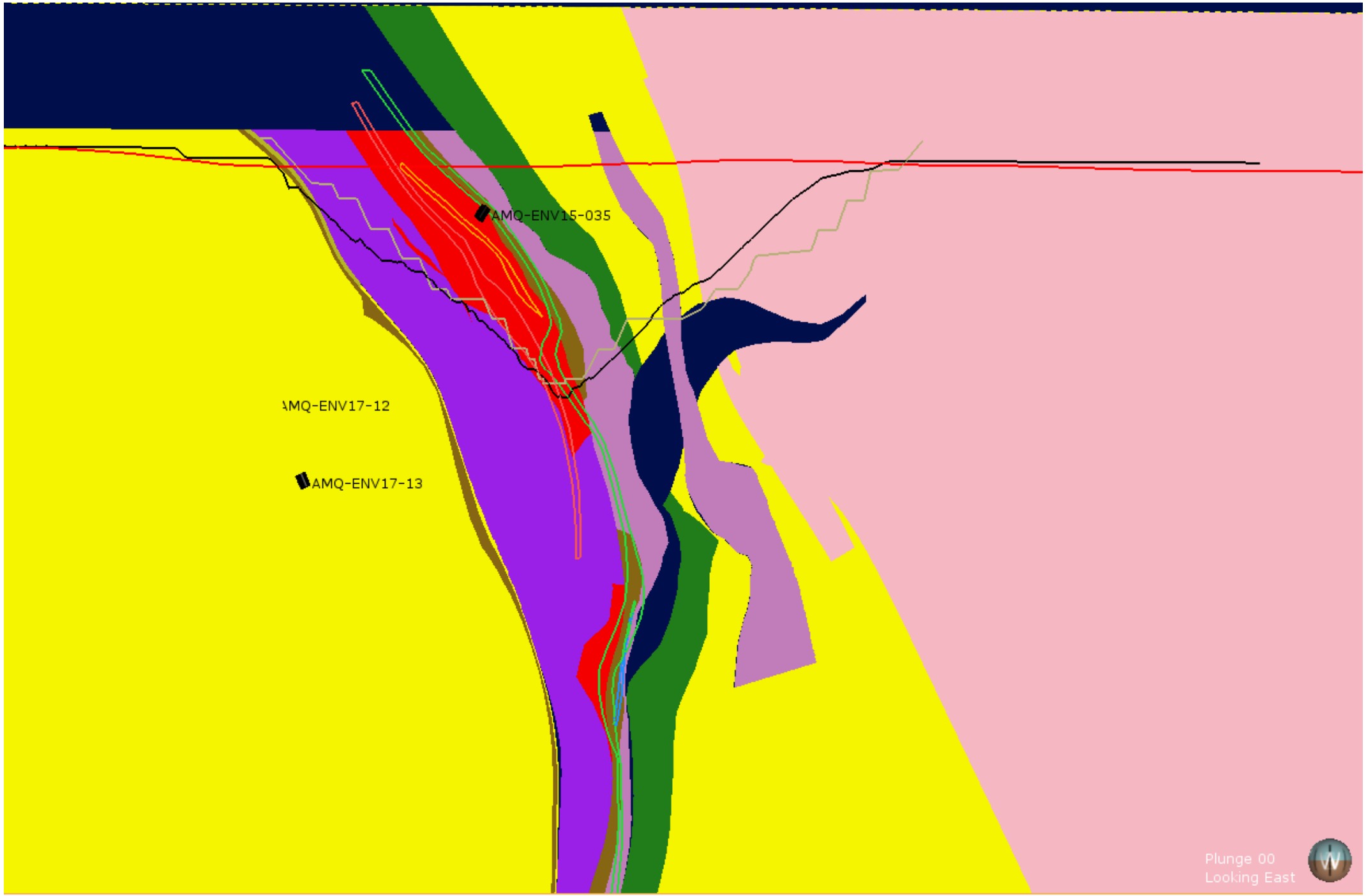

AMQ-ENV15-002
AMQ-ENV15-032
AMQ-ENV15-003
AMQ-ENV15-033
AMQ-ENV15-001
AMQ-ENV15-034
AMQ-ENV17-73
Plunge 00
Looking East

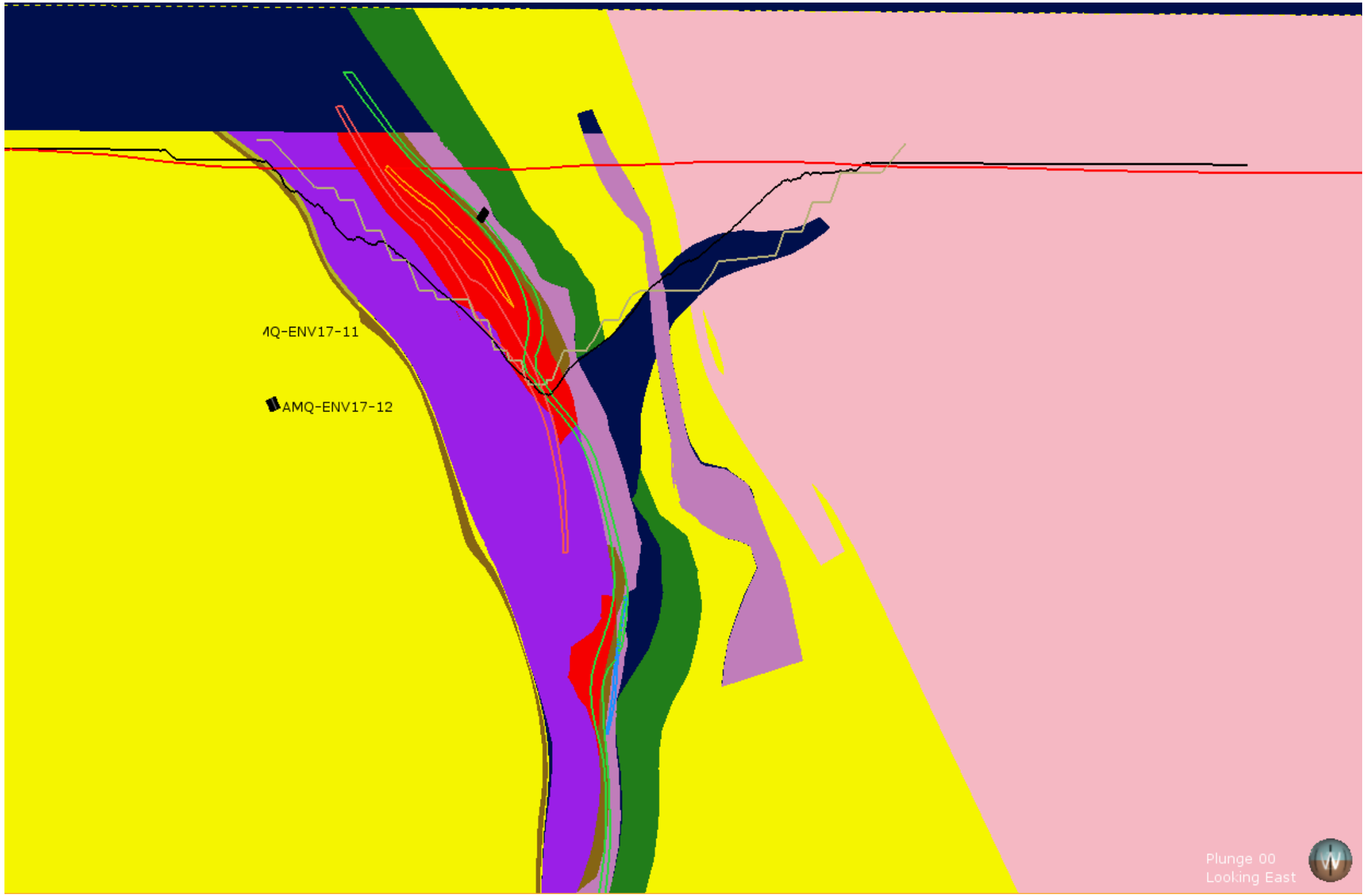

AMQ-ENV15-012
AMQ-ENV15-027
AMQ-ENV15-013
AMQ-ENV15-076
AMQ-ENV17-26
AMQ-ENV17-75
AMQ-ENV17-76
AMQ-ENV15-083
Plunge 00
Looking East

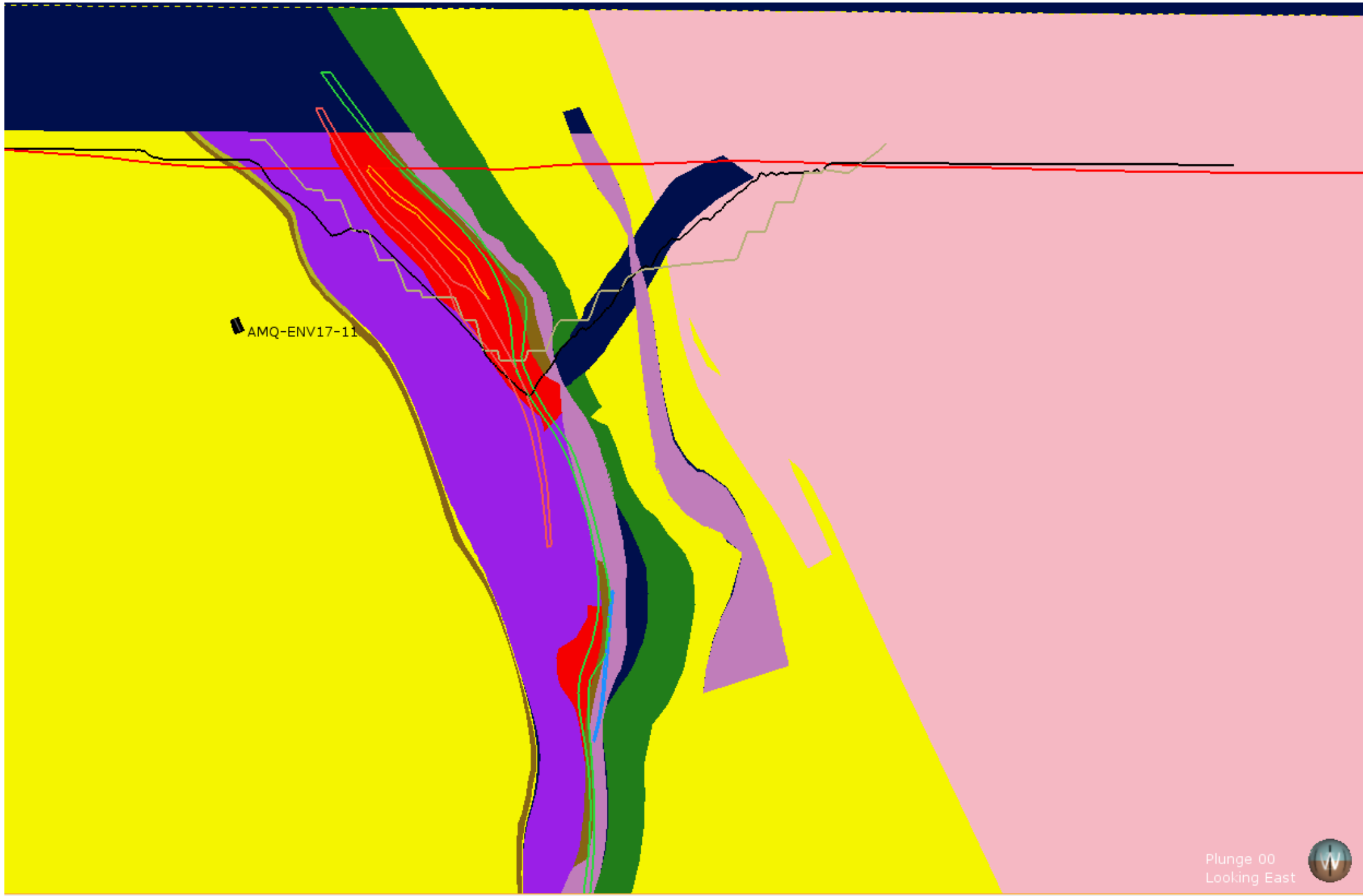

AMQ-ENV15-078
AMQ-ENV15-081
AMQ-ENV17-74
AMQ-ENV15-076
AMQ-ENV-60
AMQ-ENV17-75
AMQ-ENV17-76
AMQ-ENV-61
MQ-ENV17-51
AMQ-ENV17-50
Plunge 00
Looking East

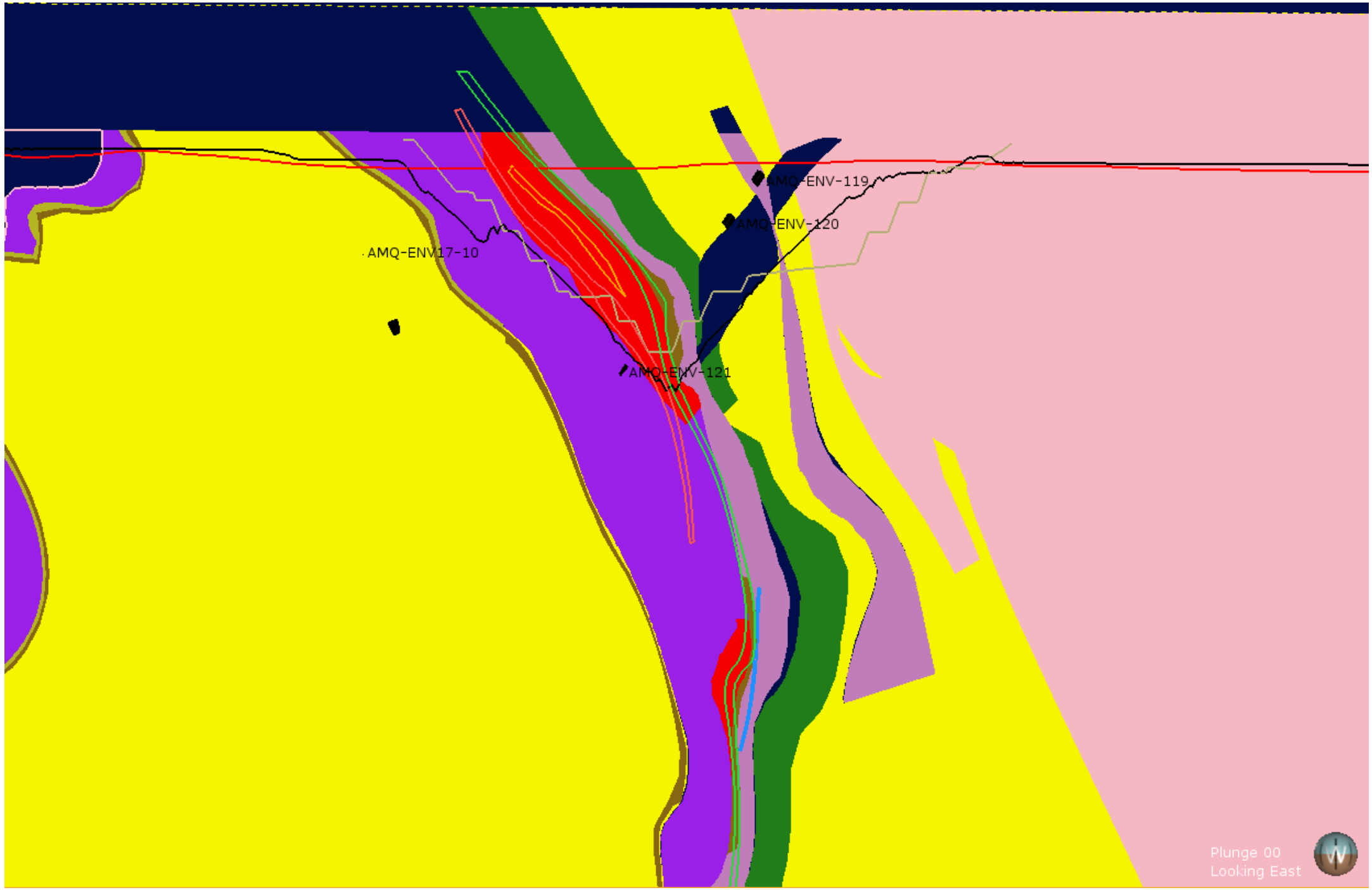

AMQ-ENV16-51
AMQ-ENV16-46
AMQ-ENV16-45
AMQ-ENV-69
AMQ-ENV-70
AMQ-ENV15-077
AMQ-ENV-62
AMQ-ENV-63
AMQ-ENV-64
Plunge 00
Looking East

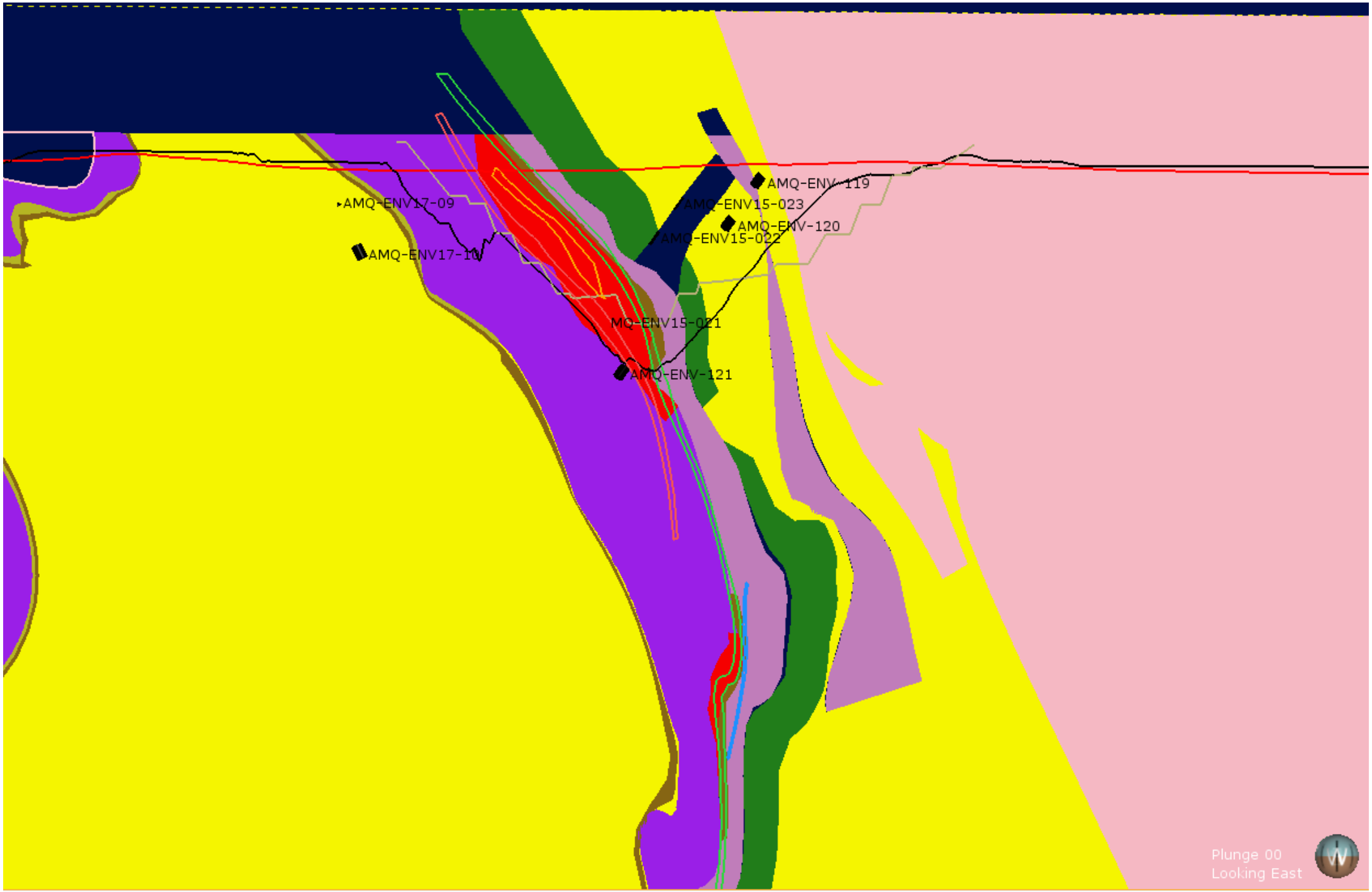

AMQ-ENV-122
MQ-ENV15-035
AMQ-ENV17-22
AMQ-ENV-125
AMQ-ENV17-13
AMQ-ENV17-53
AMQ-ENV17-52
Plunge 00
Looking East

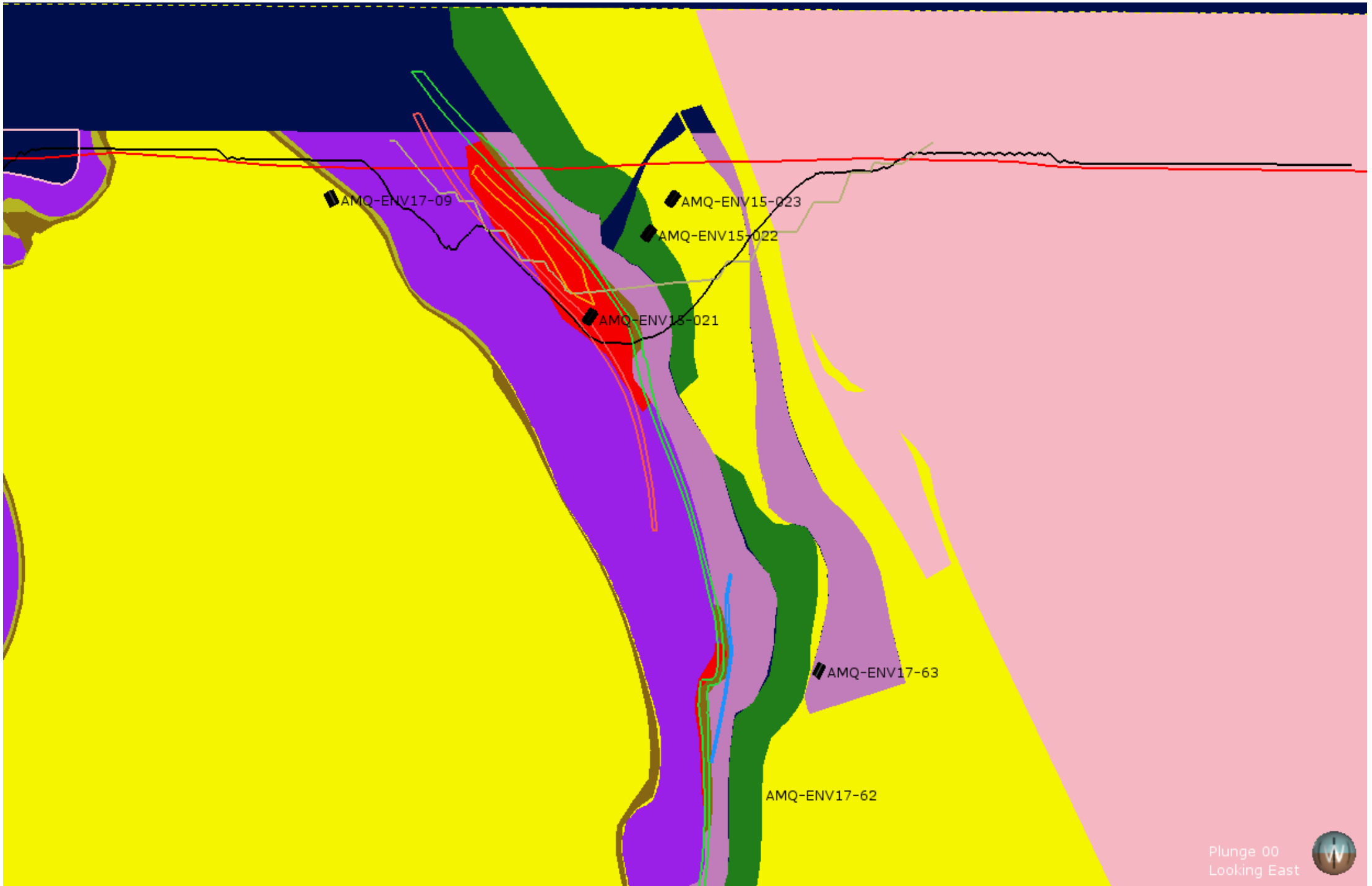

AMQ-ENV15-035
AMQ-ENV17-12
AMQ-ENV17-13
Plunge 00
Looking East

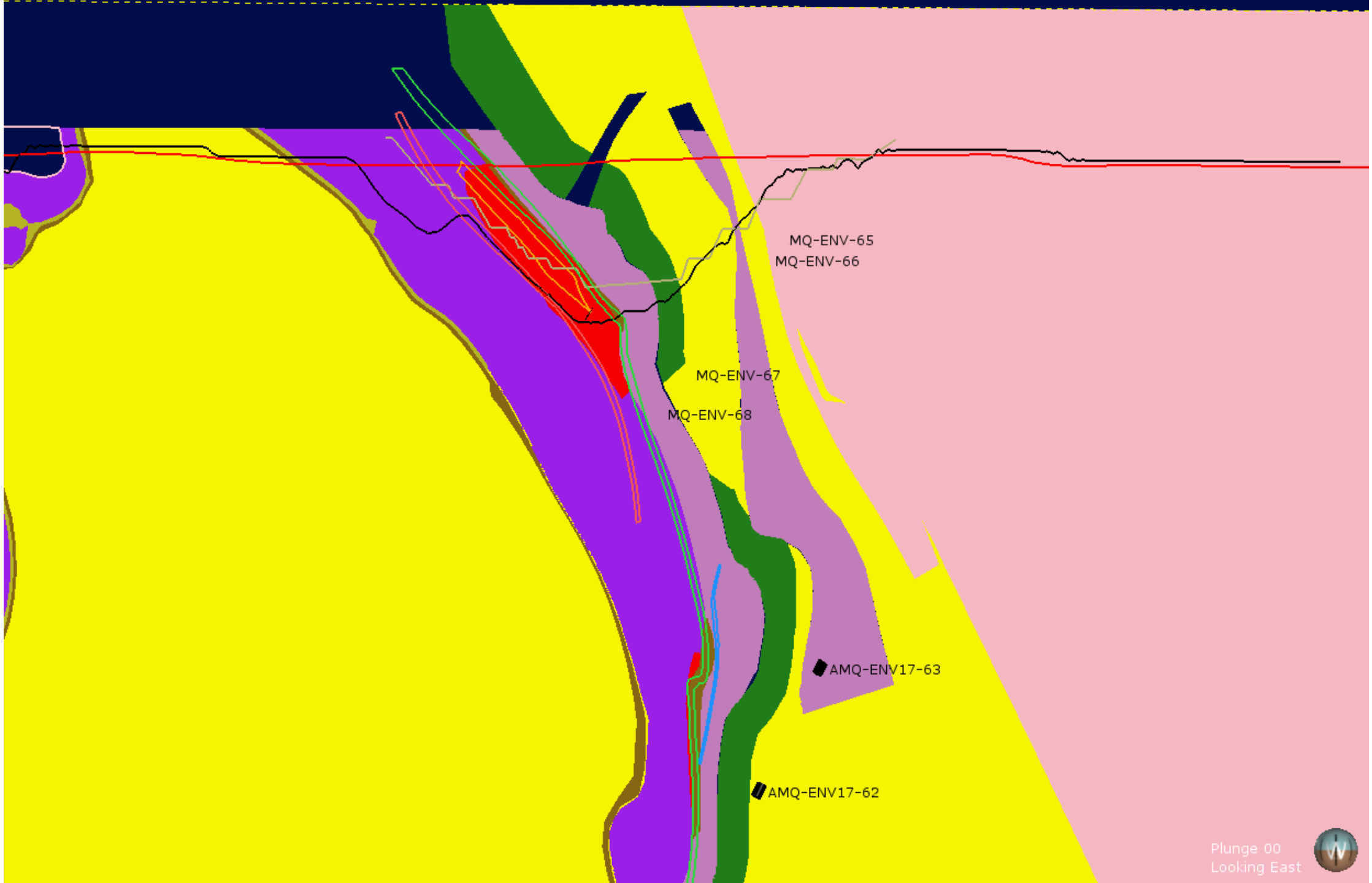

AMQ-ENV17-11
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Plunge 00
Looking East

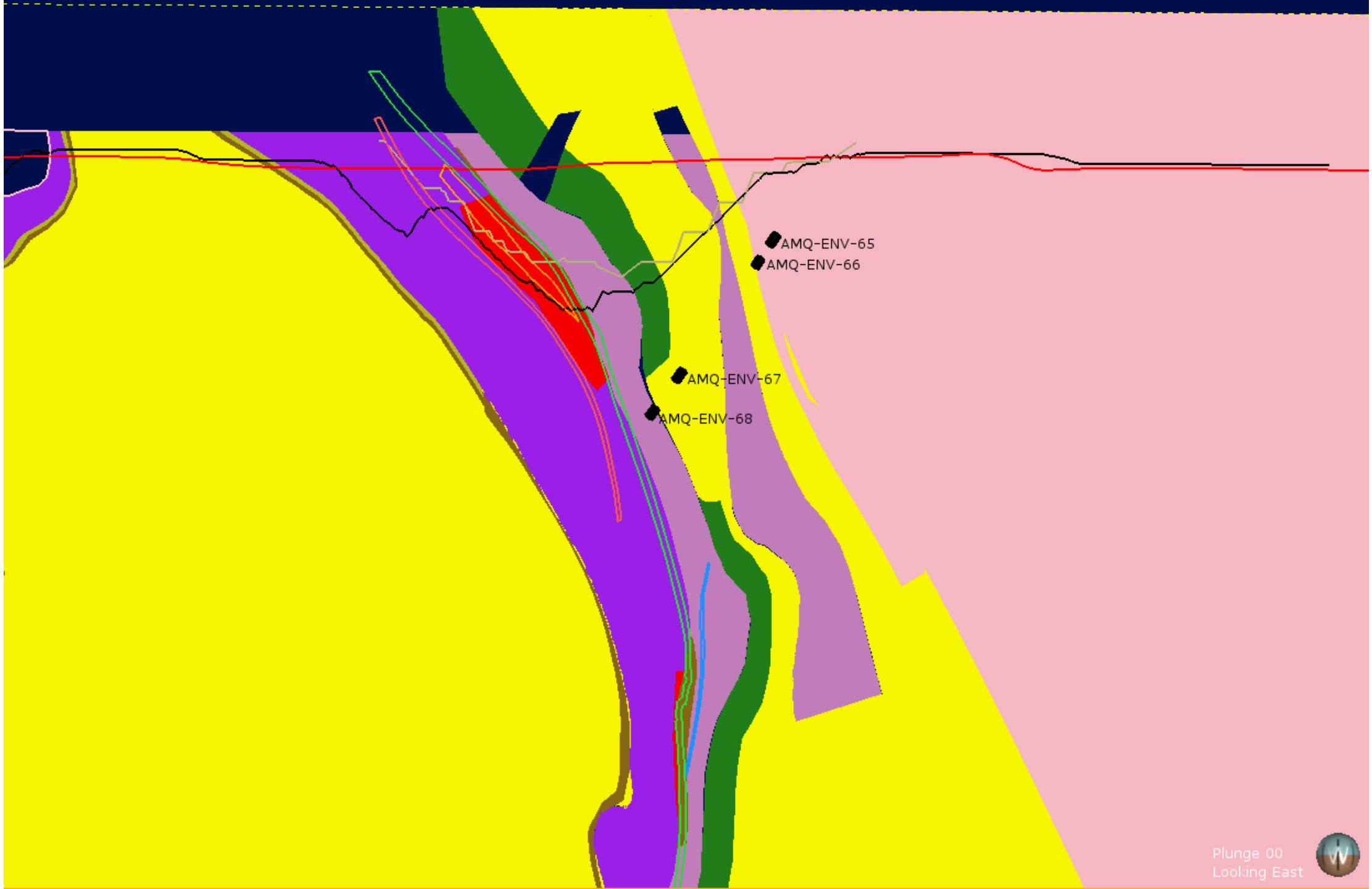

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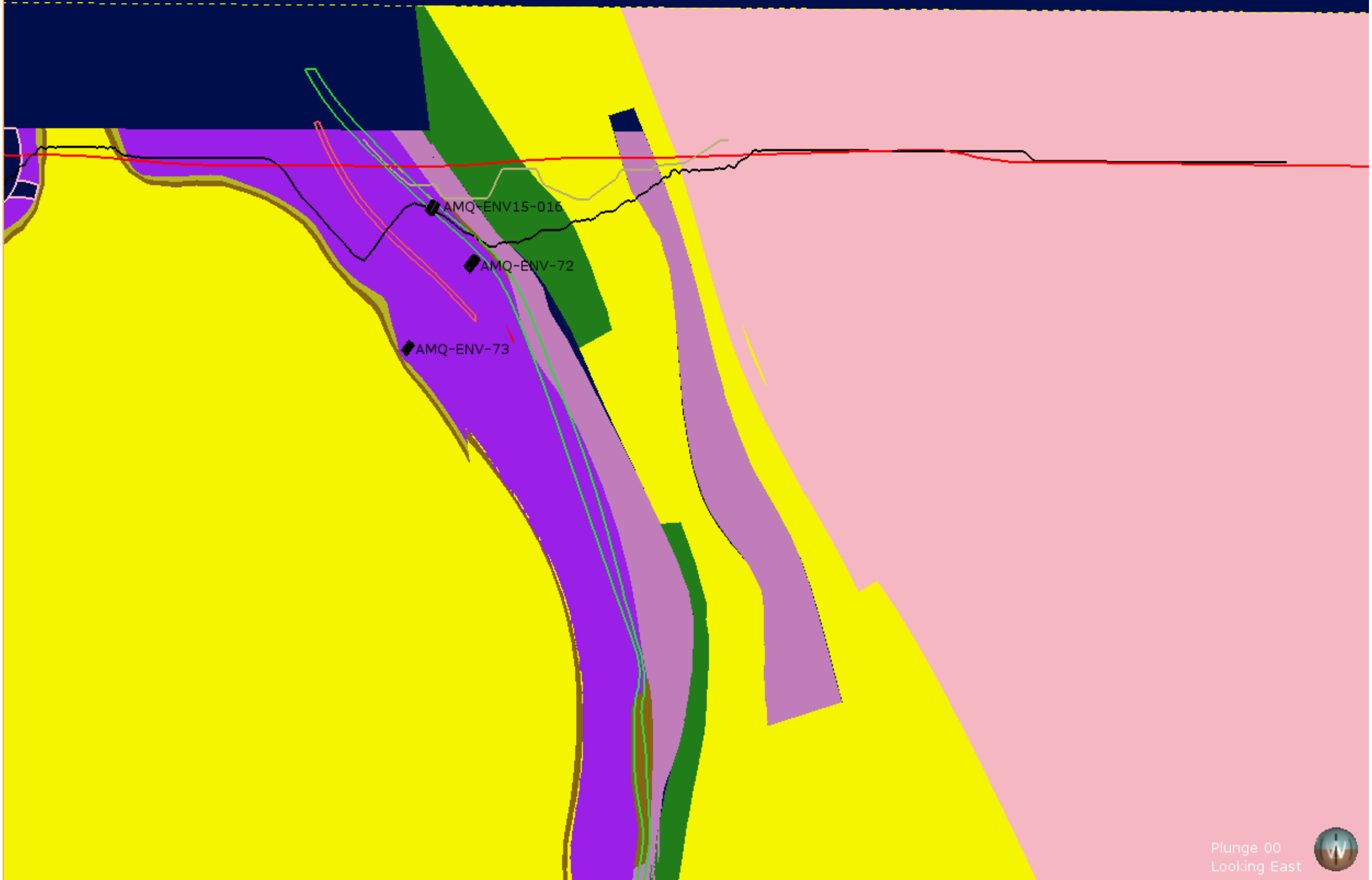

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Looking East

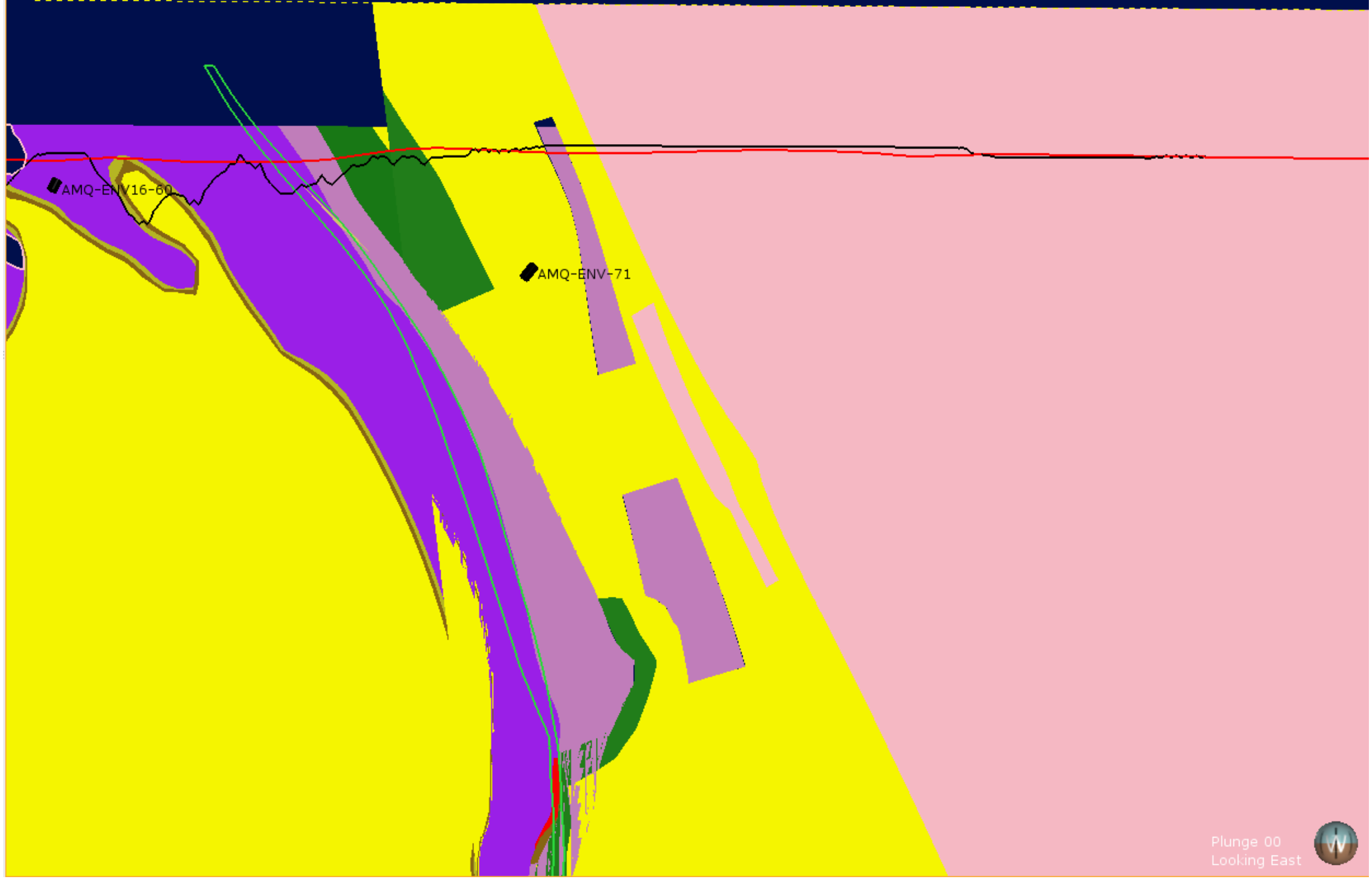

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AMQ-ENV-120
AMQ-ENV15-022
MQ-ENV15-021
AMQ-ENV-121
Plunge 00
Looking East

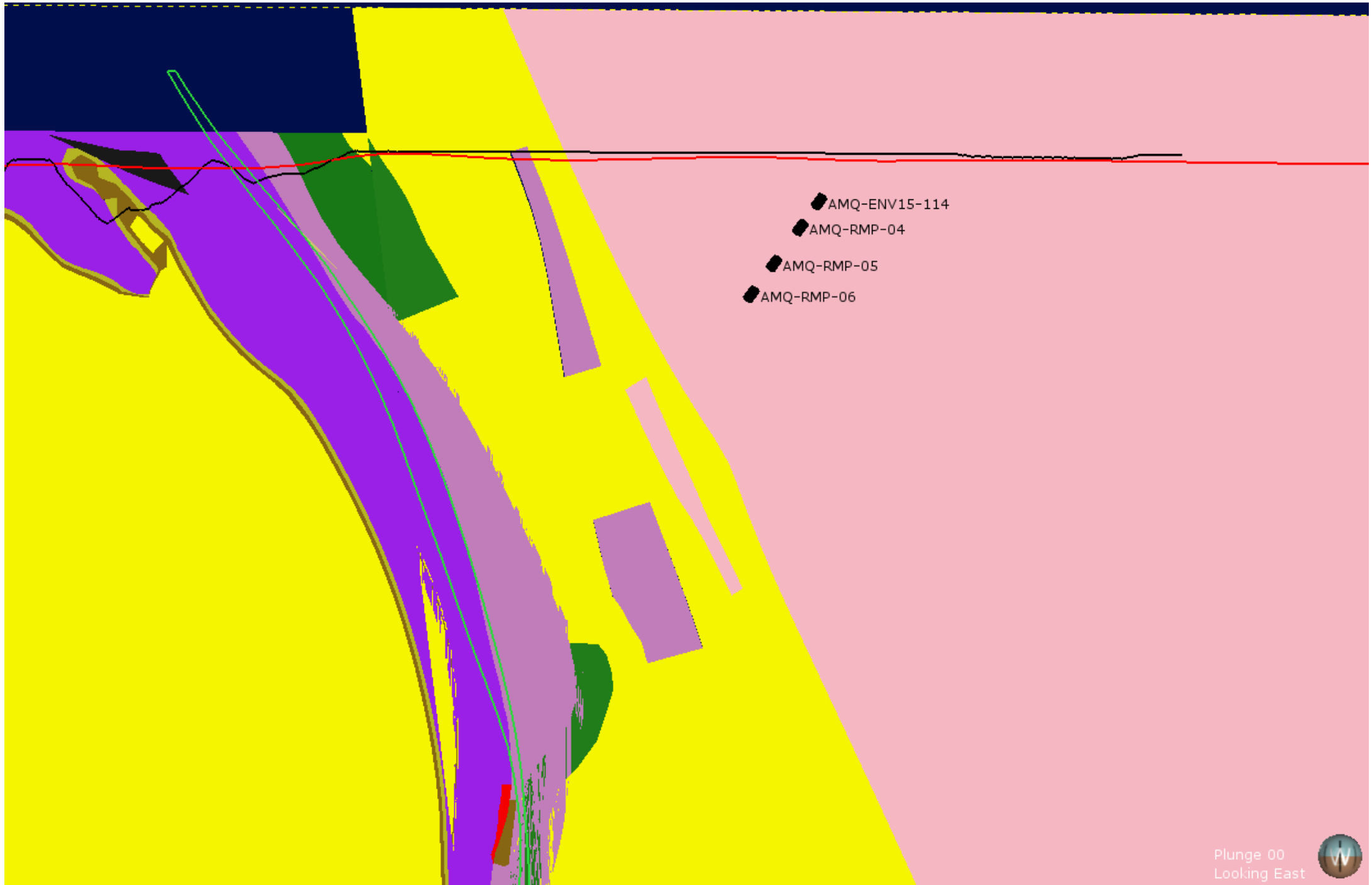

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AMQ-ENV15-021
AMQ-ENV17-63
AMQ-ENV17-62
Plunge 00
Looking East

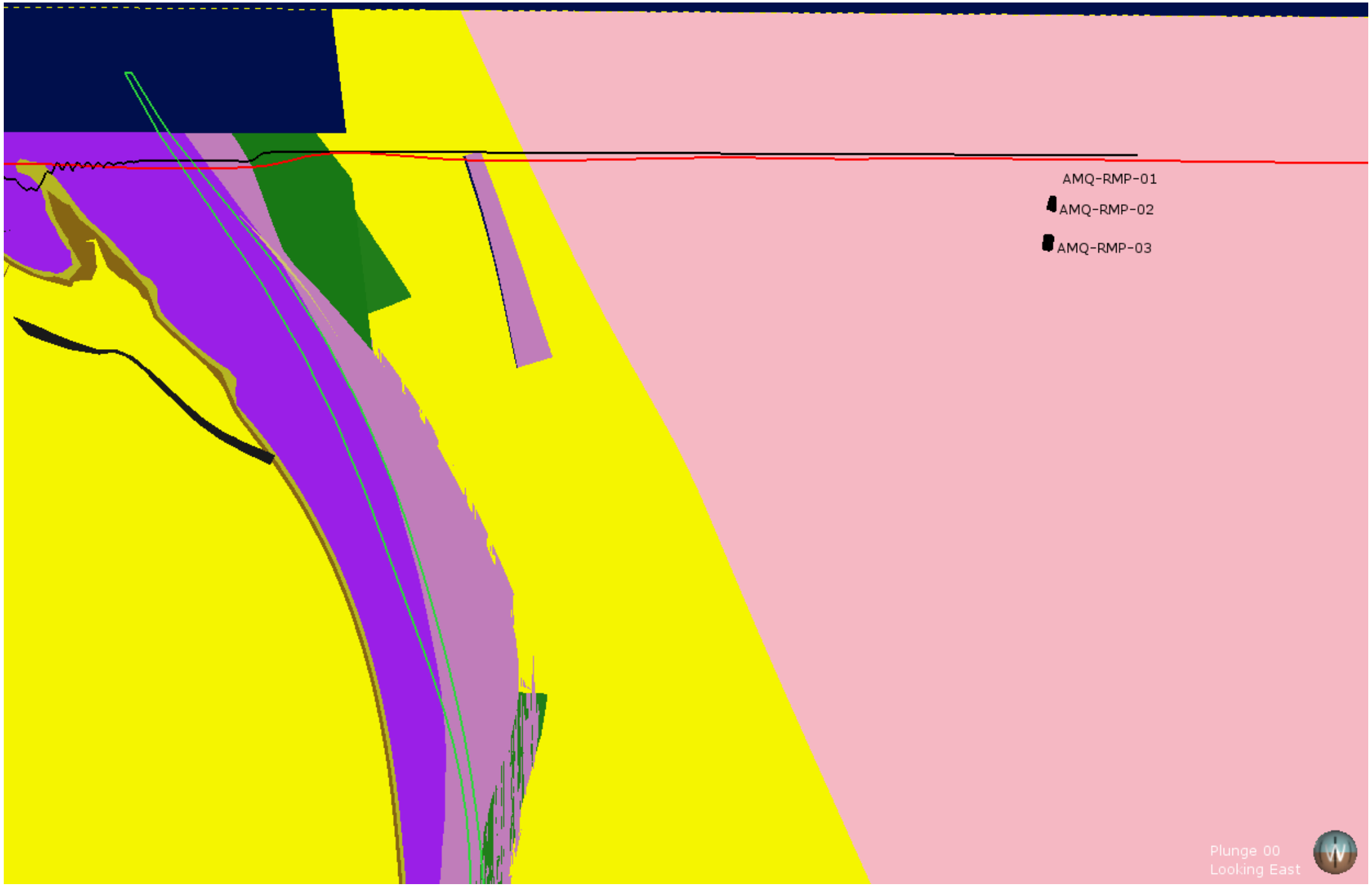

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MQ-ENV-68
AMQ-ENV17-63
AMQ-ENV17-62
Plunge 00
Looking East


AMQ-ENV-65
AMQ-ENV-66
AMQ-ENV-67
AMQ-ENV-68
Plunge 00
Looking East


AMQ-ENV15-016
AMQ-ENV-72
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Looking East

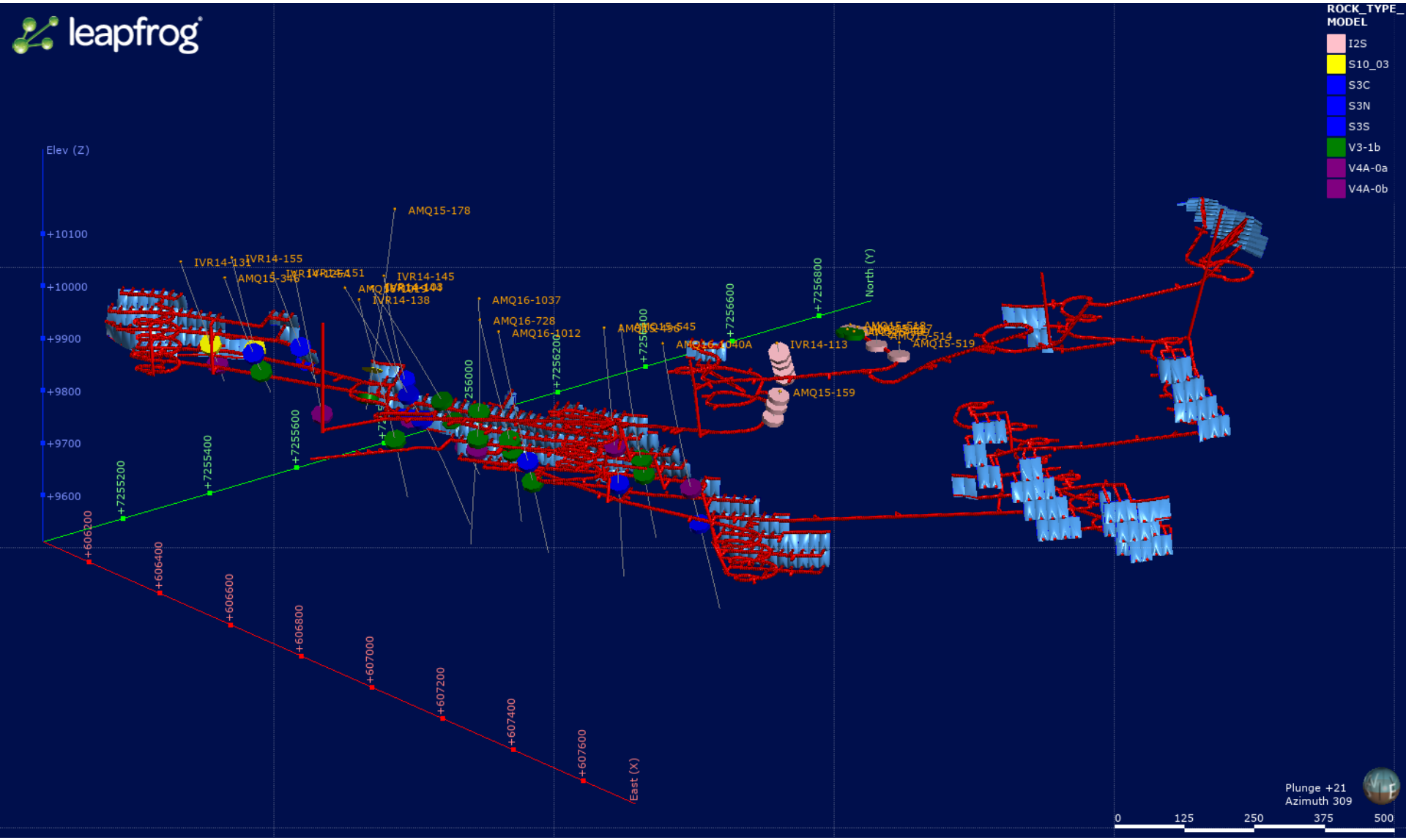

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Looking East

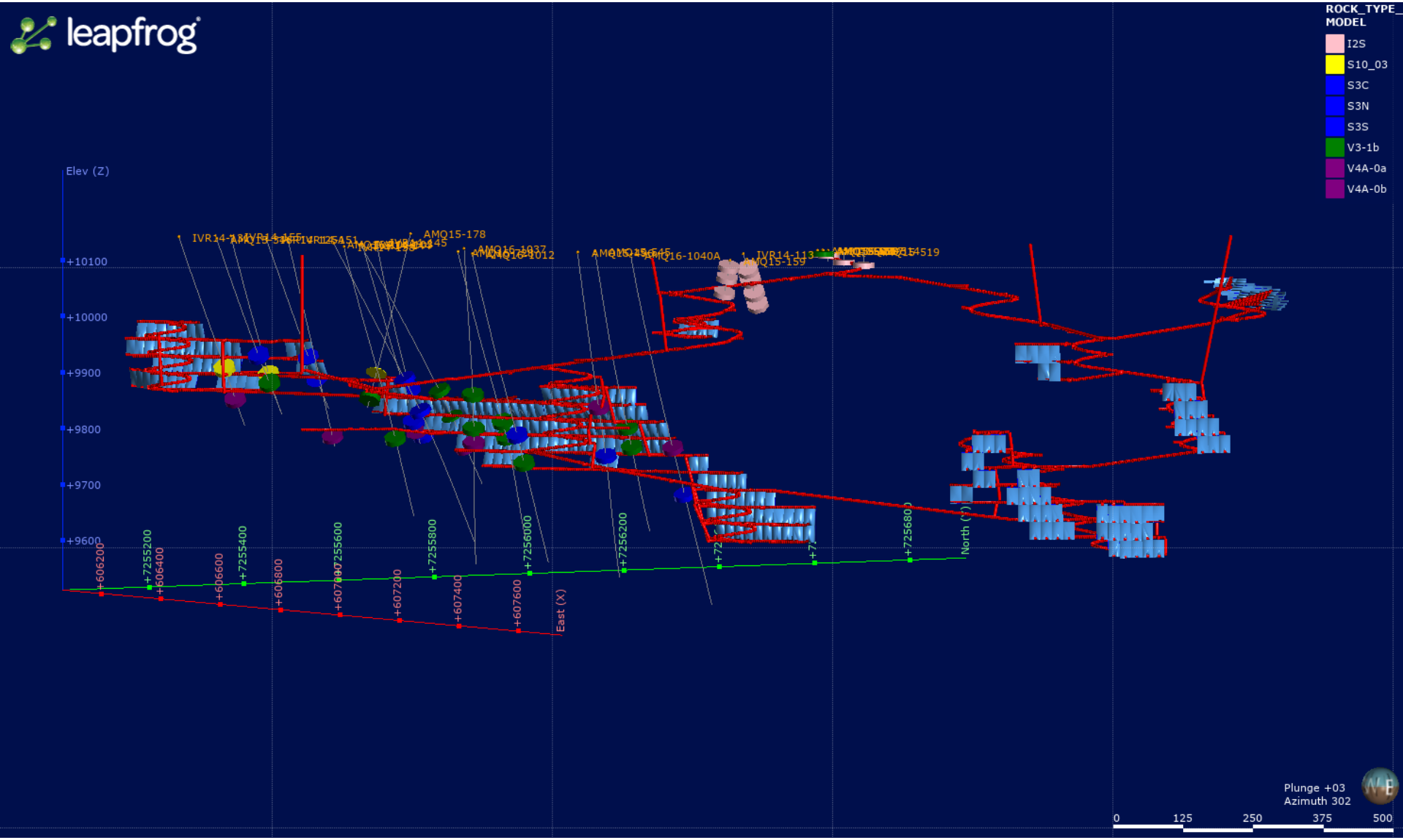

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AMQ-RMP-05
AMQ-RMP-06
Plunge 00
Looking East


AMQ-RMP-01
AMQ-RMP-02
AMQ-RMP-03
Plunge 00
Looking East


AMQ-RMP-12
AMQ-RMP-08
Plunge 00
Looking East


AMQ-ENV16-26
AMQ-RMP-09
Plunge 00
Looking East


leapfrog
ROCK_TYPE_MODEL
I2S
S10_03
S3C
S3N
S3S
V3-1b
V4A-0a
V4A-0b
Elev (Z)
+10100
+10000
+9900
+9800
+9700
+9600
AMQ15-178
IVR14-131
IVR14-155
AMQ15-340
IVR14-145
IVR14-138
AMQ16-1037
AMQ16-728
AMQ16-1012
AMQ15-545
AMQ16-1040A
IVR14-113
AMQ15-519
AMQ15-159
+7256800
+7256600
+7256400
+7256200
+7256000
+7255800
+7255600
+7255400
+7255200
North (Y)
+606200
+606400
+606600
+606800
+607000
+607200
+607400
+607600
East (X)
Plunge +21
Azimuth 309
0
125
250
375
500


leapfrog
ROCK_TYPE_MODEL
I2S
S10_03
S3C
S3N
S3S
V3-1b
V4A-0a
V4A-0b
Elev (Z)
+10100
+10000
+9900
+9800
+9700
+9600
AMQ15-178
AMQ15-1037
AMQ16-1012
AMQ16-1040A
AMQ15-159
+606200
+7255200
+606400
+606600
+7255400
+606800
+7255600
+607000
+607200
+7255800
+607400
+7256000
+607600
+7256200
East (X)
+725680
North (Y)
Plunge +03
Azimuth 302
0
125
250
375
500

APPENDIX C

Geochemical Sampling and Testing Summary Table

Appendix C-1
Sample Summary - Waste Rock, Ore, and Kinetic Charge Material
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification	Borehole ID	Depth (m)		Deposit Location	Material	Rock Name (MODEL)	Rock Type (MODEL)	MB Assay	Whole Rock	Trace Metals	SFE	ABA					NAG			PROCESS WATER	XRD	QEM-SCAN	SEM	HCT	Column Leach Tests	Submerged Column Leach Test	Field Cell
		From	To							Aqua Regia		Modified Sobek	Siderite Corrected	Graphite-Corrected	Carbonate		Non siderite corrected ABA	Single Addition	Sequential	Leachate Analysis								
															Pyrolysis	HCL Evolution											
Waste Rock And Ore																											
AMQ-ENV17-32	AMQ15-467	25	25.8	IVR	Ore	Basalts North (V3N)	V3-1a		X	X	X[1]		X	X[7]	X												
AMQ-ENV17-34	AMQ15-483	35	36	IVR	Ore	Basalts North (V3N)	V3-1a		X	X	X[1]		X	X[7]	X												
AMQ-ENV17-80	IVR14-032	77	79.5	IVR	Ore	Basalts North (V3N)	V3-1a		X	X	X[1]		X	X[7]	X												
AMQ-ENV16-13	AMQ15-509	67	76.3	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-14	AMQ15-509	51	52.5	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-18	AMQ15-542	50	54	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-41	AMQ15-474	10	14.2	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-52	IVR14-080	23	33	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-53	IVR14-080	65	69.8	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X							X		X			
AMQ-ENV16-54	IVR14-080	77	79.1	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-56	IVR14-080	115	121	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-57	IVR14-062	70	71.4	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-60	AMQ16-727	16.2	25	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-61	AMQ16-754	30	40	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-62	AMQ15-520	10	16.7	IVR	Waste	Basalts North (V3N)	V3-1a		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-33	AMQ15-467	40	50	IVR	Waste	Basalts North (V3N)	V3-1a		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-35	AMQ15-506	62.2	62.8	IVR	Waste	Basalts North (V3N)	V3-1a		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-36	AMQ15-506	10	11.3	IVR	Waste	Basalts North (V3N)	V3-1a		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-41	AMQ16-991	14.5	20.6	IVR	Waste	Basalts North (V3N)	V3-1a		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-42	AMQ17-1097	45	55	IVR	Waste	Basalts North (V3N)	V3-1a		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-45	AMQ17-1097	17	27	IVR	Waste	Basalts North (V3N)	V3-1a		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-77	IVR14-028	18	28	IVR	Waste	Basalts North (V3N)	V3-1a		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-78	IVR14-028	45	49.7	IVR	Waste	Basalts North (V3N)	V3-1a		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-39	AMQ16-792A	30	41	IVR	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV16-01	IVR14-084	10	20	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV-07	IVR14-116	16.4	25.1	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X[2]		X	X		X	X								C7		
AMQ-ENV16-06	IVR14-086	17	27	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV15-006	AMQ15-232	21	31	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C4		
AMQ-ENV-08	IVR14-116	30.1	31.1	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X[2]		X	X		X	X								C7		
AMQ-ENV15-004	AMQ15-245A	32	42	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C4		
AMQ-ENV16-02	IVR14-084	34	44.3	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV15-024	IVR14-141	38	47	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C7		
AMQ-ENV15-094	IVR14-091	41	44	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C7		
AMQ-ENV15-005	AMQ15-245A	45	50.1	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C4		
AMQ-ENV-09	IVR14-116	47	56.1	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X[2]		X	X		X	X									C8	
AMQ-ENV16-04	IVR14-109	50	57.8	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV15-022	AMQ15-161	60	70	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C4		
AMQ-ENV15-013	AMQ15-241	76	86	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C4		
AMQ-ENV-63	IVR14-092	79.5	87.5	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X		X					X					
AMQ-ENV16-03	IVR14-109	81	91	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV15-001	AMQ15-187	95	105	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C4		
AMQ-ENV15-104	IVR14-087	100	102.2	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X										C7		
AMQ-ENV16-12	AMQ15-500	110	113	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV-50	IVR14-103	125.1	132	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X		X					X					
AMQ-ENV16-07	AMQ16-712A	140	150	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV16-11	AMQ15-500	145	155	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV16-09	AMQ15-171	160	170	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV16-10	AMQ15-171	175	185	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV16-08	AMQ16-712A	180	190	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X[7]	X												
AMQ-ENV-118	IVR14-151	200	209.2	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X[2]		X	X		X	X							X	C7		
AMQ-ENV-61	IVR14-101	201	210	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X		X										FC-UM
AMQ-ENV-51	IVR14-103	218	228	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X		X										
AMQ-ENV-113	IVR14-131	220	229.2	WT - Pit	Waste	Basalts South (V3S)	V3-1b		X	X	X[2]		X	X		X	X								C5	C8	
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AMQ-RMP-11	AMQ15-540	3	10.5	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X	X		X[7]	X												
AMQ-ENV17-61	AMQ16-1037	295	305	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-052	IVR14-144	320	330	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X												
AMQ-ENV15-044	AMQ15-178	350	360	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X												
AMQ-ENV17-48	AMQ15-346	360	369.7	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-60	AMQ16-1037	365	375	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-53	AMQ15-545	366	376	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-050	IVR14-144	378	381.9	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X												
AMQ-ENV17-28	AMQ16-728	385	394	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-52	AMQ15-545	409	419	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-070	IVR14-138	420	430	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X		X	X	X												
AMQ-ENV17-27	AMQ16-728	420	430	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-54	AMQ16-1012	468	478	WT - UG	Waste	Basalts South (V3S)	V3-1b		X	X	X[3]		X	X[7]	X												
AMQ-ENV-34	IVR14-121A	22.3	23.6	WT - Pit	Ore	Chert Central (S10)	S10_03		X	X	X[2]		X	X		X	X								C3		
AMQ-ENV15-073	IVR14-153	45	46.5	WT - Pit	Ore	Chert Central (S10)	S10_03		X	X	X		X	X	X				X	X[8]					C3		
AMQ-ENV15-138	AMQ15-438	66	66.4	WT - Pit	Ore	Chert Central (S10)	S10_03		X	X	X		X	X[7]	X												
AMQ-ENV15-139	AMQ15-438	88	93	WT - Pit	Ore	Chert Central (S10)	S10_03		X	X	X		X	X[7]	X												
AMQ-ENV17-21	AMQ15-332	90	91	WT - Pit	Ore	Chert Central (S10)	S10_03		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-009	AMQ15-232	92	92.7	WT - Pit	Ore	Chert Central (S10)	S10_03		X	X	X		X	X	X										C3		
AMQ-ENV15-025	IVR14-141	139	141.5	WT - Pit	Ore	Chert Central (S10)	S10_03		X	X	X		X	X	X				X	X[8]		X			C3		
AMQ-ENV17-19	AMQ15-291	200	201	WT - Pit	Ore	Chert Central (S10)	S10_03		X	X	X[3]		X	X[7]	X												
AMQ-ENV-40	IVR14-118	14	20.3	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X[2]		X	X		X	X		X	X[10]				X	C3		
AMQ-ENV15-037	AMQ15-193	15	19.9	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X										C6		
AMQ-ENV15-091	IVR14-079	16	23	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X										C3		
AMQ-ENV15-054	IVR14-150	35	45	WT - Pit	Waste	Chert Central (S10)	S10_01		X	X	X		X	X	X			X		X[9]		X		X	C4		
AMQ-ENV15-088	IVR14-089	35	45	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X										C6		
AMQ-ENV15-019	AMQ15-167	47	49.6	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X										C6		
AMQ-ENV15-092	IVR14-079	64	72	WT - Pit	Waste	Chert Central (S10)	S10_01		X	X	X		X	X	X										C6		
AMQ-ENV15-046	AMQ15-188	65	75	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X										C6		
AMQ-ENV15-008	AMQ15-232	69	79	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X				X	X[8]		X			C3		
AMQ-ENV-48	IVR14-016	70	70.5	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X		X										
AMQ-ENV15-048	IVR14-141	119	129	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X										C3		
AMQ-ENV15-096	IVR14-091	130	136.7	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X				X	X[8]		X			C6		
AMQ-ENV-53	IVR14-084	150	160.5	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X		X		X	X[10]							
AMQ-ENV15-141	AMQ15-481	225	235	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X[7]	X												
AMQ-ENV15-061	IVR14-145	242	251	WT - Pit	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X												
AMQ-ENV15-043	AMQ15-178	300	301	WT - UG	Ore	Chert Central (S10)	S10_03		X	X	X		X	X	X												
AMQ-ENV15-115	IVR14-155	335	345	WT - UG	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X				X	X[8]					C6		

Appendix C-1
Sample Summary - Waste Rock, Ore, and Kinetic Charge Material
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification	Borehole ID	Depth (m)		Deposit Location	Material	Rock Name (MODEL)	Rock Type (MODEL)	MB Assay	Whole Rock	Trace Metals	SFE	ABA					NAG			PROCESS WATER	XRD	QEM-SCAN	SEM	HCT	Column Leach Tests	Submerged Column Leach Test	Field Cell
		From	To							Aqua Regia		Modified Sobek	Siderite Corrected	Graphite-Corrected	Carbonate		Non siderite corrected ABA	Single Addition	Sequential	Leachate Analysis							
															Pyrolysis	HCL Evolution											
AMQ-ENV15-067	IVR14-131	338	348	WT - UG	Waste	Chert Central (S10)	S10_03		X	X	X		X	X	X												
AMQ-ENV15-100	IVR14-087	9	9.4	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X		X	X	X												
AMQ-ENV15-077	IVR14-156	15	25	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X		X	X	X												
AMQ-ENV-114	IVR14-144	16	25.1	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X[3]		X	X		X	X							X		
AMQ-ENV15-002	AMQ15-187	18	25	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X		X	X	X												
AMQ-ENV17-23	AMQ15-234	27	37	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-30	AMQ16-728	47	57	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-078	IVR14-157	50	60	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X		X	X	X												
AMQ-ENV17-22	AMQ15-455	60	70	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X[3]		X	X[7]	X												
AMQ-ENV-65	IVR14-110	70	75.5	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X		X	X	X		X										
AMQ-ENV17-24	AMQ15-234	74	84	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-16	AMQ15-243	84	95.6	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-29	AMQ16-728	122	132	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-26	AMQ15-523	150	152	WT - Pit	Waste	Diorite South (I2S)	I2S		X	X	X[3]		X	X[7]	X												
AMQ-RMP-08	AMQ15-517	5	14	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X	X		X[7]	X												
AMQ-RMP-07	AMQ15-518	7.5	13	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X	X		X[7]	X												
AMQ-RMP-01	AMQ15-159	8	18	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X		X	X[7]	X												
AMQ-RMP-09	AMQ15-514	17	26.5	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X	X		X[7]	X												
AMQ-RMP-10	AMQ15-519	21	31	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X	X		X[7]	X												
AMQ-RMP-02	AMQ15-159	30	40	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X		X	X[7]	X												
AMQ-ENV15-114	IVR14-113	35	45	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X		X	X	X												
AMQ-RMP-03	AMQ15-159	60	70	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X		X	X[7]	X												
AMQ-RMP-04	IVR14-113	60	70	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X		X	X[7]	X												
AMQ-RMP-05	IVR14-113	95	105	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X		X	X[7]	X												
AMQ-RMP-06	IVR14-113	125	135	WT - UG	Waste	Diorite South (I2S)	I2S		X	X	X		X	X[7]	X												
AMQ-ENV-28	IVR14-120	14	18.9	WT - Pit	Ore	Greywacke Central (S3C)	S3C		X	X	X[4]		X	X		X	X							X	C3		
AMQ-ENV-29	IVR14-120	33	33.5	WT - Pit	Ore	Greywacke Central (S3C)	S3C		X	X	X[4]		X	X		X	X								C3		
AMQ-ENV-36	IVR14-121A	75	75.2	WT - Pit	Ore	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X								C4		
AMQ-ENV15-108	IVR14-099	150	157.5	WT - Pit	Ore	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C4		
AMQ-ENV15-140	AMQ15-481	190	199.4	WT - Pit	Ore	Greywacke Central (S3C)	S3C		X	X	X		X	X[7]	X												
AMQ-ENV-42	IVR14-118	201.2	207.2	WT - Pit	Ore	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X		X	X[10]					C2	C8	
AMQ-ENV-13	IVR14-123	9	18.5	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X		X	X[10]							
AMQ-ENV-109	IVR14-146	10	19.1	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X		X	X[10]					C3		
AMQ-ENV-18	IVR14-114	18	27.2	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X		X	X[10]				X	C4		
AMQ-ENV-14	IVR14-123	21	30.2	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X		X	X[10]					C4		
AMQ-ENV15-056	IVR14-148	37	47	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C6		
AMQ-ENV-03	IVR14-130	61.8	71.2	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[4]		X	X		X	X		X	X[10]					C4		
AMQ-ENV-19	IVR14-114	75.2	84.1	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[4]		X	X		X	X		X	X[10]					C4		
AMQ-ENV-41	IVR14-118	86.2	96.4	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[4]		X	X		X	X								C4		
AMQ-ENV15-075	IVR14-153	90	100	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X										C3		
AMQ-ENV15-098	IVR14-089	92	102	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C3		
AMQ-ENV-37	IVR14-121A	95	104.2	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X							X	C4		
AMQ-ENV15-106	IVR14-099	95	104	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C3		
AMQ-ENV15-064	IVR14-114	105	114	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C3		
AMQ-ENV15-107	IVR14-099	115	125	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]	X				C4		
AMQ-ENV15-065	IVR14-114	125	135	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]	X			X	C4		
AMQ-ENV15-066	IVR14-114	148	157	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C4		
AMQ-ENV-46	IVR14-130	148.9	155.3	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X		X	X[10]					C4		
AMQ-ENV15-074	IVR14-153	150	160	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C3		
AMQ-ENV-11	IVR14-116	175	184.1	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X	X		X		X	X[10]					C4		
AMQ-ENV-20	IVR14-114	190	199.1	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[4]		X	X		X	X		X	X[10]					C4		
AMQ-ENV15-097	IVR14-091	190	200	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C3		
AMQ-ENV15-042	AMQ15-178	210	220	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X				X	X[8]					C3		
AMQ-ENV-12	IVR14-116	250	259.1	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X[5]		X	X		X	X								C4		
AMQ-ENV15-142	AMQ15-481	254	259	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X[7]	X												
AMQ-ENV15-143	AMQ15-481	262	272	WT - Pit	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X[7]	X												
AMQ-ENV15-112	IVR14-125A	310	311.7	WT - Pit / UG	Ore	Greywacke Central (S3C)	S3C		X	X	X		X	X	X										C4		
AMQ-ENV15-085	IVR14-125A	370	370.7	WT - UG	Ore	Greywacke Central (S3C)	S3C		X	X	X		X	X	X										C6		
AMQ-ENV15-060	IVR14-145	328	337	WT - UG	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X												
AMQ-ENV15-120	IVR14-103	405	415	WT - UG	Waste	Greywacke Central (S3C)	S3C		X	X	X		X	X	X			X		X[9]		X		X			
AMQ-ENV16-32	AMQ16-879	65.8	68.4	IVR	Waste	Greywacke North (S3N)	S3N		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-47	AMQ15-453	10	20	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X[1]	X[4,5,6]	X		X[7]	X			X		X[9]		X	X	X			
AMQ-ENV16-51	AMQ15-470	14	24	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-01	AMQ17-1253	15	20	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X		X	X[7]	X												
AMQ-ENV16-05	IVR14-109	19	25	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X		X	X[7]	X												
AMQ-ENV16-49	AMQ16-570	20	30	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X[1]	X[4,5,6]	X		X[7]	X								X	X			
AMQ-ENV17-09	AMQ17-1277A	20	30	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X		X	X[7]	X												
AMQ-ENV16-44	AMQ15-463	26	36	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-02	AMQ17-1253	40	50	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X		X	X[7]	X												
AMQ-ENV17-72	AMQ15-442	40	50.2	WT - Pit	Waste	Greywacke North (S3N)	S3N	X																			
AMQ-ENV16-48	AMQ16-570	44	48.4	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-46	AMQ15-470	45	55	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-64	AMQ16-1015a	48	58	WT - Pit	Waste	Greywacke North (S3N)	S3N	X																			
AMQ-ENV17-67	AMQ15-183	51.2	61	WT - Pit	Waste	Greywacke North (S3N)	S3N	X																			
AMQ-ENV17-10	AMQ17-1277A	60	70	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV16-43	AMQ15-463	70	80	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X[1]	X[4,5,6]	X		X[7]	X			X		X[9]		X					
AMQ-ENV17-03	AMQ17-1253	70	80	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV17-04	AMQ17-1253	102	109	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV16-45	AMQ15-470	105	115	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-68	AMQ15-183	110	120	WT - Pit	Waste	Greywacke North (S3N)	S3N	X																			
AMQ-ENV17-74	AMQ16-680	115	129	WT - Pit	Waste	Greywacke North (S3N)	S3N	X																			
AMQ-ENV17-11	AMQ17-1277A	120	130	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV17-05	AMQ17-1253	130	136	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV17-73	AMQ16-674	140	150	WT - Pit	Waste	Greywacke North (S3N)	S3N	X							X												
AMQ-ENV17-71	AMQ15-442	141	151	WT - Pit	Waste	Greywacke North (S3N)	S3N	X							X												
AMQ-ENV17-65	AMQ16-1015a	150	160	WT - Pit	Waste	Greywacke North (S3N)	S3N	X							X												
AMQ-ENV17-75	AMQ17-1220	150	154	WT - Pit	Waste	Greywacke North (S3N)	S3N	X							X												
AMQ-ENV17-76	AMQ17-1220	159.7	161.2	WT - Pit	Waste	Greywacke North (S3N)	S3N	X							X												
AMQ-ENV17-06	AMQ17-1253	161	168	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV17-12	AMQ17-1277A	181.5	190	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV17-07	AMQ17-1253	190	198	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV17-70	AMQ15-442	210	219.9	WT - Pit	Waste	Greywacke North (S3N)	S3N	X																			

Appendix C-1
Sample Summary - Waste Rock, Ore, and Kinetic Charge Material
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification	Borehole ID	Depth (m)		Deposit Location	Material	Rock Name (MODEL)	Rock Type (MODEL)	MB Assay	Whole Rock	Trace Metals	SFE	ABA					NAG			PROCESS WATER	XRD	QEM-SCAN	SEM	HCT	Column Leach Tests	Submerged Column Leach Test	Field Cell
		From	To							Aqua Regia		Modified Sobek	Siderite Corrected	Graphite-Corrected	Carbonate		Non siderite corrected ABA	Single Addition	Sequential	Leachate Analysis								
															Pyrolysis	HCL Evolution												
AMQ-ENV17-08	AMQ17-1253	220	230	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV17-13	AMQ17-1277A	240	250	WT - Pit	Waste	Greywacke North (S3N)	S3N	X	X	X	X[3]		X	X[7]	X												
AMQ-ENV17-66	AMQ16-1015a	249	259	WT - Pit	Waste	Greywacke North (S3N)	S3N	X							X												
AMQ-ENV17-69	AMQ15-184	255	265	WT - Pit	Waste	Greywacke North (S3N)	S3N	X																			
AMQ-ENV18-01	AMQ-18-1790-01	6	10	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-02	AMQ-18-1790-03	15	20	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[4]		X	X		X											
AMQ-ENV18-03	AMQ-18-1790-05	25	30	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[4]		X	X		X											
AMQ-ENV18-04	AMQ-18-1790-11	55	60	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[4]		X	X		X											
AMQ-ENV18-05	AMQ-18-1790-13	65	70	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-06	AMQ-18-1790-16	80	85	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-07	AMQ-18-1790-22	110	115	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-08	AMQ-18-1795-01	6	10	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-09	AMQ-18-1795-05	25	30	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-10	AMQ-18-1795-07	35	40	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-11	AMQ-18-1795-09	45	50	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-12	AMQ-18-1795-12	60	65	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-13	AMQ-18-1795-15	75	80	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[4]		X	X		X											
AMQ-ENV18-14	AMQ-18-1795-17	85	90	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[4]		X	X		X											
AMQ-ENV18-15	AMQ-18-1795-22	110	115	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[4]		X	X		X											
AMQ-ENV18-16	AMQ-18-1795-24	120	125	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-17	AMQ-18-1795-26	130	135	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV18-18	AMQ-18-1795-30	150	155	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X		X											
AMQ-ENV17-57	AMQ16-1019	360	370	WT - UG	Waste	Greywacke North (S3N)	S3N		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-063	IVR14-145	436	446	WT - UG	Waste	Greywacke North (S3N)	S3N		X	X	X		X	X	X			X		X[9]		X					
AMQ-ENV-112	IVR14-131	10	19.1	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[2]		X	X		X	X								C4		
AMQ-ENV-122	IVR14-152	10	19.1	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X		X	X								C5	C8	
AMQ-ENV15-049	IVR14-141	13	22	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV-117	IVR14-151	15	24.2	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[2]		X	X		X	X								C4		
AMQ-ENV15-012	AMQ15-241	15	25	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV15-110	IVR14-099	15	25	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV15-101	IVR14-087	20	30	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV15-093	IVR14-091	20	28.7	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV15-032	AMQ15-180	25	35	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV15-023	AMQ15-161	28	38	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV17-31	AMQ16-875A	31	41	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-003	AMQ15-187	32	42	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV17-18	AMQ15-290	34.5	45	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[3]		X	X[7]	X												
AMQ-ENV-120	IVR14-149	50	59.1	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[5]		X	X		X	X								C4		
AMQ-ENV15-102	IVR14-087	50	60	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV-115	IVR14-144	70	79.1	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[2]		X	X		X	X								C4		
AMQ-ENV15-103	IVR14-087	75	85	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C4		
AMQ-ENV-66	IVR14-110	92	100	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X		X										
AMQ-ENV17-17	AMQ15-290	95	105	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-081	IVR14-156	105	115	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X										C5		
AMQ-ENV-71	IVR14-046	114	126	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X		X										
AMQ-ENV-60	IVR14-101	119	128	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X		X										
AMQ-ENV17-15	AMQ15-243	134	153	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[4]		X	X[7]	X												
AMQ-ENV-116	IVR14-144	186	195.2	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[2]		X	X		X	X								C4		
AMQ-ENV-67	IVR14-110	197	207	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X		X	X	X		X										
AMQ-ENV17-25	AMQ15-234	198	208	WT - Pit	Waste	Greywacke South (S3S)	S3S		X	X	X[3]		X	X[7]	X			X		X[9]		X		X			
AMQ-ENV17-49	AMQ15-346	290	300	WT - UG	Waste	Greywacke South (S3S)	S3S		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-58	AMQ16-1019	291	301	WT - UG	Waste	Greywacke South (S3S)	S3S		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-55	AMQ16-1012	405	414.9	WT - UG	Waste	Greywacke South (S3S)	S3S		X	X	X[4]		X	X[7]	X												
AMQ-ENV17-50	AMQ15-496	420	430	WT - UG	Waste	Greywacke South (S3S)	S3S		X	X	X[4]		X	X[7]	X												
AMQ-ENV17-62	AMQ16-1040A	510	520	WT - UG	Waste	Greywacke South (S3S)	S3S		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-40	AMQ16-794	14.1	15.1	IVR	Ore	Iron Formation (S9E)	S9E		X	X	X[3]		X	X[7]	X												
AMQ-ENV-57	IVR14-056	21	22.5	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X										FC-IF
AMQ-ENV15-027	AMQ15-164	45	46	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X			X[8]					C2	C8	
AMQ-ENV15-135	AMQ15-433	67.2	68	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X[7]	X												
AMQ-ENV15-089	IVR14-079	78	81	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X									X- Comp1	C2	C8	
AMQ-ENV15-039	AMQ15-193	85	85.5	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X										C2	C8	
AMQ-ENV-56	IVR14-055	95	96	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X			X[8]							FC-IF
AMQ-ENV-49	IVR14-016	106.5	108	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X			X[10]							FC-UM
AMQ-ENV15-045	AMQ15-188	115	116	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X										C2	C8	FC-IF
AMQ-ENV15-010	AMQ15-232	116	117	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X					X[8]					C2	C8	
AMQ-ENV-47	IVR14-016	130	131	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X										FC-IF
AMQ-ENV15-021	AMQ15-161	138	140.4	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X										C2	C8	FC-IF
AMQ-ENV-125	IVR14-152	175	175.8	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X[5]		X	X		X	X							X	C1	C8	
AMQ-ENV15-083	IVR14-156	210	217.3	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X												
AMQ-ENV-64	IVR14-092	216	217.5	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X										
AMQ-ENV17-14	AMQ15-243	309.1	310	WT - Pit	Ore	Iron Formation (S9E)	S9E		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-038	AMQ15-193	43	52.9	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X										C2	C8	FC-IF
AMQ-ENV-58	IVR14-056	44	49	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X										
AMQ-ENV-31	IVR14-120	61	68.3	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X		X	X							X	C1	C8	
AMQ-ENV-69	IVR14-015	70	80	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X										FC-UM
AMQ-ENV15-028	AMQ15-164	80	90	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X										C1	C8	FC-IF
AMQ-ENV-70	IVR14-015	82.6	93	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X		X										FC-UM
AMQ-ENV15-090	IVR14-079	97	104.6	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X										C1	C8	FC-IF
AMQ-ENV15-034	AMQ15-180	110	119	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X					X[8]					C2	C8	FC-IF
AMQ-ENV15-011	AMQ15-232	149	159	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X										C1	C8	
AMQ-ENV15-099	IVR14-089	161	171	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X	X										C2	C8	
AMQ-ENV-17	IVR14-123	168.2	172.5	WT - Pit	Waste	Iron Formation (S9E)	S9E		X	X	X		X	X		X	X			X[10]					C2	C8	FC-UM
AMQ-ENV16-27	AMQ16-731	105	111.5	IVR	Ore	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-55	IVR14-080	93	109.7	IVR	Ore	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[3]	X		X[7]	X												
AMQ-ENV16-24	AMQ16-734	8	15.9	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-21	AMQ15-542	10	12.3	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-26	AMQ16-714	10	20	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-40	AMQ16-822	10	20	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-59	IVR14-062	10.4	20.4	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-79	IVR14-053	11.2	20	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[3]		X	X[7]	X												
AMQ-ENV16-34	AMQ16-879	23.6	33	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-15	AMQ15-509	27	37	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-39	AMQ16-822	35.5	43.8	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-25	AMQ16-714	36	46	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												

Appendix C-1
Sample Summary - Waste Rock, Ore, and Kinetic Charge Material
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification	Borehole ID	Depth (m)		Deposit Location	Material	Rock Name (MODEL)	Rock Type (MODEL)	MB Assay	Whole Rock	Trace Metals	SFE	ABA					NAG			PROCESS WATER	XRD	QEM-SCAN	SEM	HCT	Column Leach Tests	Submerged Column Leach Test	Field Cell
		From	To							Aqua Regia		Modified Sobek	Siderite Corrected	Graphite-Corrected	Carbonate		Non siderite corrected ABA	Single Addition	Sequential	Leachate Analysis								
															Pyrolysis	HCL Evolution											
AMQ-ENV16-33	AMQ16-879	45.8	55.7	IVR	Waste	Komatiite North (V4A-Oa)	_S9E		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-38	AMQ16-720	50	53.4	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[3]		X	X[7]	X										C1	C8	
AMQ-ENV16-30	AMQ16-741	55.5	61	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-38	AMQ16-822	65.4	68.4	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-29	AMQ16-741	84	86	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-43	AMQ17-1199	87	94.5	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-46	AMQ17-1218	99	109	IVR	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-016	AMQ15-225	31	31.1	WT - Pit	Ore	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X										C1	C8	
AMQ-ENV15-105	IVR14-087	260	260.8	WT - Pit	Ore	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X												FC-IF
AMQ-ENV15-014	AMQ15-236	25	35	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X										C1	C8	
AMQ-ENV16-50	AMQ15-200	25	35	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa	X	X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV15-040	AMQ15-178	40	50	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X										C2	C8	
AMQ-ENV15-029	AMQ15-170	50	60	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X										C1	C8	
AMQ-ENV-32	IVR14-120	77	86.2	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[2]		X	X		X	X							X	C1	C8	
AMQ-ENV-59	IVR14-056	79.5	90	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X		X										FC-IF
AMQ-ENV15-041	AMQ15-178	90	100	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X										C2	C8	
AMQ-ENV-16	IVR14-123	95	104.2	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[2]		X	X		X	X								C1	C8	FC-UM
AMQ-ENV15-055	IVR14-148	95	105	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X										C1	C8	
AMQ-ENV-33	IVR14-120	96.5	101.6	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[2]		X	X		X	X								C1	C8	FC-UM
AMQ-ENV-72	IVR14-097	99	111	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X		X										FC-IF
AMQ-ENV-39	IVR14-121A	151	160.2	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[2]		X	X		X	X								C1	C8	FC-UM
AMQ-ENV15-030	AMQ15-170	160	170	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X										C1	C8	
AMQ-ENV-73	IVR14-097	182	182.3	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X		X										
AMQ-ENV-121	IVR14-149	190	199.2	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[2]		X	X		X	X								C1	C8	
AMQ-ENV15-026	IVR14-141	224	233.6	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X										C1	C8	
AMQ-ENV-43	IVR14-118	264	273.3	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[2]		X	X		X	X							X	C2	C8	FC-UM
AMQ-ENV-44	IVR14-118	280.6	283.6	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X[2]		X	X		X	X								C1	C8	FC-UM
AMQ-ENV15-084	IVR14-157	285	295	WT - Pit	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X												FC-UM
AMQ-ENV15-068	IVR14-131	418	428	WT - UG	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X								X				
AMQ-ENV15-121	IVR14-103	435	435.7	WT - UG	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X												
AMQ-ENV15-071	IVR14-151	441	448.6	WT - UG	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X												
AMQ-ENV15-051	IVR14-144	442	452	WT - UG	Waste	Komatiite North (V4A-Oa)	V4A-Oa		X	X	X		X	X	X												
AMQ-ENV16-23	AMQ16-734	16	18	IVR	Ore	Komatiite South (V4A-Ob)	V4A-0b		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-17	AMQ15-551	9	19	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-36	AMQ16-828	12.2	22.2	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-31	AMQ16-741	20	30	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-44	AMQ17-1199	25	33.7	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[3]		X	X[7]	X								X				
AMQ-ENV16-16	AMQ15-551	27	37	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-28	AMQ16-731	30	40	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV17-47	AMQ17-1218	30	40	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-37	AMQ15-550	40	50	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[3]		X	X[7]	X												
AMQ-ENV16-35	AMQ16-828	42	52	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV16-37	AMQ16-822	86	96	IVR	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X[1]	X[4,5,6]	X		X[7]	X												
AMQ-ENV15-020	AMQ15-167	21	26	WT - Pit	Ore	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X										C5	C8	
AMQ-ENV15-137	AMQ15-438	32.7	37.8	WT - Pit	Ore	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X[7]	X												
AMQ-ENV-02	IVR14-130	33.6	38.3	WT - Pit	Ore	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[2]		X	X		X	X								C5	C8	
AMQ-ENV15-007	AMQ15-232	50	55.4	WT - Pit	Ore	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X				X	X[8]		X			C6		
AMQ-ENV-52	IVR14-084	72	75	WT - Pit	Ore	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X		X										
AMQ-ENV15-033	AMQ15-180	77	77.133333	WT - Pit	Ore	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X										C5	C8	FC-UM
AMQ-ENV15-095	IVR14-091	80	80.6	WT - Pit	Ore	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X				X	X[8]					C6		
AMQ-ENV-119	IVR14-149	10	19.1	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[3]		X	X		X	X								C5	C8	
AMQ-ENV-01	IVR14-130	10.5	12	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[2]		X	X		X	X								C7		
AMQ-ENV15-047	AMQ15-188	29	39	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X										C4		
AMQ-ENV15-136	AMQ15-438	32	32.7	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X[7]	X												
AMQ-ENV15-109	IVR14-099	50	60	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X										C5	C8	
AMQ-ENV-10	IVR14-116	60	69.1	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[2]		X	X		X	X								C5	C8	
AMQ-ENV-62	IVR14-092	69.3	79.5	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X		X										FC-UM
AMQ-ENV17-20	AMQ15-332	132.5	142.5	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[3]		X	X[7]	X												
AMQ-ENV15-076	IVR14-156	145	148.4	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X									X- Comp1			
AMQ-ENV-68	IVR14-110	233	242	WT - Pit	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X		X	X	X		X										
AMQ-ENV17-51	AMQ15-496	318	328	WT - UG	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-59	AMQ16-1037	395	405	WT - UG	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[3]		X	X[7]	X												
AMQ-ENV17-63	AMQ16-1040A	410	420	WT - UG	Waste	Komatiite South (V4A-Ob)	V4A-0b		X	X	X[3]		X	X[7]	X												

Appendix C-1
Sample Summary - Waste Rock, Ore, and Kinetic Charge Material
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification	Borehole ID	Depth (m)		Deposit Location	Material	Rock Name (MODEL)	Rock Type (MODEL)	MB Assay	Whole Rock	Trace Metals	SFE	ABA					NAG			PROCESS WATER	XRD	QEM-SCAN	SEM	HCT	Column Leach Tests	Submerged Column Leach Test	Field Cell
		From	To							Aqua Regia		Modified Sobek	Siderite Corrected	Graphite-Corrected	Carbonate		Non siderite corrected ABA	Single Addition	Sequential	Leachate Analysis								
															Pyrolysis	HCL Evolution											
Column Leach (C-) and Field Cell (FC-) Kinetic Test Charge Material																											
C-1	-	-	-	WT - Pit	Waste	COMPOSITE	S9E/V4A-0a		X	X	X		X	X[7]	X												
C-2	-	-	-	WT - Pit	Waste	COMPOSITE	S9E/V4A-0a		X	X	X		X	X[7]	X												
C-3	-	-	-	WT - Pit	Waste	COMPOSITE	S3C/S10		X	X	X		X	X[7]	X												
C-4	-	-	-	WT - Pit	Waste	COMPOSITE	S3C/S3S		X	X	X		X	X[7]	X												
C-5	-	-	-	WT - Pit	Waste	COMPOSITE	V4A-0b/V3-1b		X	X	X		X	X[7]	X												
C-6	-	-	-	WT - Pit	Waste	COMPOSITE	S10/S3C/V4A-0b		X	X	X		X	X[7]	X												
C-7	-	-	-	WT - Pit	Waste	COMPOSITE	V3-1b/V4A-0b						X														
C-8	-	-	-	WT - Pit	Waste	COMPOSITE	S9E/V4A-0a/V4A-0b		X	X	X		X		X											X	
C-9	-	-	-	WT - Pit	Waste	Greywacke North (S3N)	S3N		X	X	X		X	X[7]	X												
FC-UM - Composite 1	-	-	-	WT - Pit	Waste	COMPOSITE	V4A-0a/S9E/V4A-0b		X	X	X		X	X[7]	X						X						X
FC-UM - Composite 2	-	-	-	WT - Pit	Waste	COMPOSITE	V4A-0a/S9E/V4A-0b		X	X	X		X	X[7]	X												
FC-UM - Composite 3	-	-	-	WT - Pit	Waste	COMPOSITE	V4A-0a/S9E/V4A-0b		X	X	X		X	X[7]	X												
FC-IF - Composite 1	-	-	-	WT - Pit	Waste	COMPOSITE	S9E/V4A-0a		X	X	X		X	X[7]	X						X						X
FC-IF - Composite 2	-	-	-	WT - Pit	Waste	COMPOSITE	S9E/V4A-0a		X	X	X		X	X[7]	X												
FC-IF - Composite 3	-	-	-	WT - Pit	Waste	COMPOSITE	S9E/V4A-0a		X	X	X		X	X[7]	X												

Note:
MB Assay = Samples analyzed at Meadowbank assay laboratory for total sulphur and total carbon.
Whole rock was completed using Borate fusion and XRF methods.
ICP = Metals (including arsenic and selenium) by inductively coupled plasma-mass spectroscopy (ICP-MS), with samples extracted using aqua regia digestion.
ABA = Acid Base Accounting (modified Sobek method(1996)) - paste pH, NP, total sulphur, sulphate, sulphide, total carbon, total inorganic carbon, and carbonate.
SFE = Shake Flask Extraction according to Modified ASTM D3987; 4:1 solution to solid ratio, 24 hour shake (2001).
NAG: Net Acid Generation; sequential addition NAG pH and leachate (AMIRA, 2002).
HCT = Humidity Cell Test.

[1] Fluoride and Mercury not analyzed
[2] Fluoride only analyzed
[3] Initial pH not measured
[4] Nitrate (as N) and Nitrite (as N) not analyzed
[5] Chromium VI not analyzed
[6] Bromide and Phosphorus (total reactive) not analyzed
[7] Carbonate (graphite) not analyzed
[8] NAG metal suite analysis (including only sample weight, pH, volume of H_2O_2, and SO_4)
[9] NAG metal suite analysis (including only sample weight, volume of H_2O_2, and SO_4)
[10] NAG metal suite analysis (all metals except Si)
[11] Dissolved hexavalent chromium, phosphorus (total reactive), carbonate and bicarbonate not analyzed
[12] Dissolved Mercury not analyzed
[13] Dissolved Thallium not analyzed

Appendix C-1
Sample Summary - Lake Sediment, Overburden and Tailings
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification	BOREHOLE	Depth (m)		Deposit Location	Material	Whole Rock	Trace Metals	SFE	ABA				NAG		PROCESS WATER	HCT
		From	To				Aqua Regia		Modified Sobek	Siderite Corrected	Graphite-Corrected	Carbonate Pyrolosis	Sequential NAG	Leachate Analysis		
Lake Sediment, and Shallow and Deep Overburden																
WTN-1	-	-	0 - 0.1 m	North Basin of Whale Tail Lake	Lake Sediment	X	X[2]	X	X		X[7]	X				
WTN-2	-	-	0 - 0.1 m	North Basin of Whale Tail Lake	Lake Sediment	X	X[2]	X	X		X[7]	X				
WTN-3	-	-	0 - 0.1 m	North Basin of Whale Tail Lake	Lake Sediment	X	X[2]	X	X		X[7]	X				
WTN-4	-	-	0 - 0.1 m	North Basin of Whale Tail Lake	Lake Sediment	X	X[2]	X	X		X[7]	X				
WTN-5	-	-	0 - 0.1 m	North Basin of Whale Tail Lake	Lake Sediment	X	X[2]	X	X		X[7]	X				
AMQ-ENV15-116	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-117	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-118	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-119	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-125	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-126	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-127	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-128	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-129	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-130	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-131	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ-ENV15-132	-	-	0 - 1 m	UTM coords	Surface Overburden	X	X	X		X	X	X				
AMQ17-1393 Quarry 2-1	AMQ17-1393	0.1	1.5	Starter Pit	Deep Overburden	X	X	X[3]		X	X[7]	X				
AMQ17-1393 Quarry 2-2	AMQ17-1393	1.5	3	Starter Pit	Deep Overburden	X	X	X[3]		X	X[7]	X				
AMQ17-1393 Quarry 2-3	AMQ17-1393	3	4.5	Starter Pit	Deep Overburden	X	X	X[3]		X	X[7]	X				
AMQ17-1393 Quarry 2-4	AMQ17-1393	4.5	5.4	Starter Pit	Deep Overburden	X	X	X[3]		X	X[7]	X				
AMQ17-1245 CR-01	AMQ17-1245	0.5	0.90	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1245 CR-02	AMQ17-1245	3.6	4.3	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1245 CR-03	AMQ17-1245	4.7	5.0	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1245 CR-04	AMQ17-1245	5.4	5.8	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1245 CR-05	AMQ17-1245	7.1	7.5	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1245 CR-06	AMQ17-1245	7.7	8.1	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1254 CR-01	AMQ17-1254	0.70	1.0	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1254 CR-02	AMQ17-1254	2.4	2.9	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1254 CR-03	AMQ17-1254	3.0	3.4	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
AMQ17-1254 CR-04	AMQ17-1254	4.3	4.7	Quarry 1	Deep Overburden	X	X	X[3]		X		X				
Tailings																
RE-13872/RE-13874	-	-	-	-	Tailing	X	X	X[4,5,6]		X	X[7]	X	X	X	X	X
RE-17092 (S3QZ)	-	-	-	-	Tailing	X	X[1]	X[4,5,6]	X		X[7]	X			X[11,12]	
RE-17098 (ALTV4)	-	-	-	-	Tailing	X	X[1]	X[4,5,6]	X		X[7]	X			X[11,12]	
RE-17104 (HGZ)	-	-	-	-	Tailing	X	X[1]	X[4,5,6]	X		X[7]	X			X[11,12]	
EN-037469 (Combined)	-	-	-	-	Tailing	X	X[1]	X[5,6]	X		X[7]	X			X[11,12]	X

Note:
Whole rock was completed using Borate fusion and XRF methods.
ICP = Metals (including arsenic and selenium) by inductively coupled plasma-mass spectroscopy (ICP-MS), with samples extracted using aqua regia digestion.
ABA = Acid Base Accounting (modified Sobek method(1996)) - paste pH, NP, total sulphur, sulphate, sulphide, total carbon, total inorganic carbon, and carbonate.
SFE = Shake Flask Extraction according to Modified ASTM D3987; 4:1 solution to solid ratio, 24 hour shake (2001).
NAG: Net Acid Generation; sequential addition NAG pH and leachate (AMIRA, 2002).
HCT = Humidity Cell Test.

[1] Fluoride and Mercury not analyzed
[2] Fluoride only analyzed
[3] Initial pH not measured
[4] Nitrate (as N) and Nitrite (as N) not analyzed
[5] Chromium VI not analyzed
[6] Bromide and Phosphorus (total reactive) not analyzed
[7] Carbonate (graphite) not analyzed
[8] NAG metal suite analysis (including only sample weight, pH, volume of H_2O_2, and SO_4)
[9] NAG metal suite analysis (including only sample weight, volume of H_2O_2, and SO_4)
[10] NAG metal suite analysis (excluding Si)
[11] Dissolved hexavalent chromium, phosphorus (total reactive), carbonate and bicarbonate not analyzed
[12] Dissolved Mercury not analyzed
[13] Dissolved Thallium not analyzed

Appendix C-1
Composite Sample Composition Summary
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification	Depth (m)		Deposit Location	Material	Rock Type (MODEL)	ROCK TYPE (LOGGED)	MB Assay	Whole Rock	Trace Metals	SFE	ABA					NAG		HCT	Column Leach Tests	Submerged Column Leach Test	Field Cell
	From	To							Aqua Regia		Modified Sobek	Siderite Corrected	Graphite-Corrected	Carbonate Pyro	Non siderite corrected ABA	Sequential NAG	Leachate Analysis				
AMQ-ENV-54	21	22	WT - Pit	Ore	S10_03/V4A-0b	_S6		X	X	X		X	X	X	X						
AMQ-ENV16-20	26.5	34.6	IVR	Waste	S3N/S10_contact	_S3		X	X[1]	X[3]	X		X[4]	X							
AMQ-ENV16-42	150	160	WT - Pit	Waste	S10_Contact	_S3	X	X	X[1]	X[3]	X		X[4]	X							
AMQ-ENV15-113	420	430	WT - UG	Waste	S10_01/S3C	_S3		X	X	X		X	X	X							
AMQ-ENV15-058	35	40.1	WT - Pit	Waste	S10_01/S3C	_S3/_S10		X	X	X		X	X	X					C6		
AMQ-ENV17-56	420	424.8	WT - UG	Waste	V4A-0b/S10_03	_S10E		X	X	X[2]		X	X[4]	X							
AMQ-ENV15-133	20	30	WT - Pit	Waste	S10_03/S3C	_S10_sSi		X	X	X		X	X[4]	X				X			
AMQ-ENV15-144	390	395.6	WT - UG	Ore	S9E/S10_01	_S10_sSi		X	X	X		X	X[4]	X				X			
AMQ-ENV15-134	32	32.3	WT - Pit	Ore	S3C/S10_01	_S10_sSi/_S9E		X	X	X		X	X[4]	X							
AMQ-ENV15-035	36	46	WT - Pit	Waste	S9E/S10_03/V4A-0b	_S9E		X	X	X		X	X	X		X	X[5]		C2	C8	FC-IF
AMQ-ENV15-062	393	402	WT - UG	Waste	V4A-0a/S9E	_V4A		X	X	X		X	X	X							
AMQ-ENV15-072	340	343.1	WT - UG	Waste	S10_03/V4A-0b/V3-1b	_V3/_V4A		X	X	X		X	X	X							
AMQ-ENV16-58	34	35	IVR	Waste	V4A-0a/V3-1a	_I3A		X	X[1]	X[3]	X		X[4]	X							
AMQ-ENV16-19	36	46	IVR	Waste	S3N/S10_contact	_V3		X	X[1]	X[3]	X		X[4]	X							
AMQ-ENV16-22	59	61.9	IVR	Waste	V3-1b/V4A-0a	_I3A		X	X[1]	X[3]	X		X[4]	X							

Note:

Whole rock was completed using Borate fusion and XRF methods.

ICP = Metals (including arsenic and selenium) by inductively coupled plasma-mass spectroscopy (ICP-MS), with samples extracted using aqua regia digestion.

ABA = Acid Base Accounting (modified Sobek method(1996)) - paste pH, NP, total sulphur, sulphate, sulphide, total carbon, total inorganic carbon, and carbonate.

SFE = Shake Flask Extraction according to Modified ASTM D3987; 4:1 solution to solid ratio, 24 hour shake (2001).

NAG: Net Acid Generation; sequential addition NAG pH and leachate (AMIRA, 2002).

HCT = Humidity Cell Test.

[1] Fluoride and Mercury not analyzed

[2] Initial pH not measured

[3] Hexavalent chromium not analyzed

[4] Carbonate (graphite) not analyzed

[5] NAG metal suite analysis (including only sample weight, pH, volume of H2O2, and SO4)

Appendix C-2
Large Column Composition Summary
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Column Identification	Sample Identification	Mass (g)	Mass (kg)	Deposit Location[1]	Material	Target Rock Type	Sample Rock Type (MODEL)	Sample Rock Type (Logged)	Rock Name (MODEL)	Percent Rock Type by Mass
	AMQ-ENV-44	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV-121	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-014	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-016	2500	2.5	WT - Pit	Ore	Komatiite	V4A-0a	_V4_bio		
	AMQ-ENV15-026	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-029	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A	Komatiite North (V4A-Oa)	75%
	AMQ-ENV15-030	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-055	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
C-1	AMQ-ENV-16	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV-32	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_S10		
	AMQ-ENV-33	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_S10		
	AMQ-ENV-39	2500	2.5	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-028	2500	2.5	WT - Pit	Waste	Komatiite	S9E	_S9D		
	AMQ-ENV15-011	2500	2.5	WT - Pit	Waste	Komatiite	S9E	_V4_bio	Iron Formation (S9E)	25%
	AMQ-ENV15-090	2500	2.5	WT - Pit	Waste	Komatiite	S9E	_S9E		
	AMQ-ENV-31	2500	2.5	WT - Pit	Waste	Komatiite	S9E	_S10		
	Column Weight	**40000**	**40**							**100%**
	AMQ-ENV-125	2500	2.5	WT - Pit	Ore	Iron Formation	S9E	_V4A-0a		
	AMQ-ENV15-027	2500	2.5	WT - Pit	Ore	Iron Formation	S9E	_S9E		
	AMQ-ENV15-034	2500	2.5	WT - Pit	Waste	Iron Formation	S9E	_S9E		
	AMQ-ENV15-038	2500	2.5	WT - Pit	Waste	Iron Formation	S9E	_S9E		
	AMQ-ENV15-039	2500	2.5	WT - Pit	Ore	Iron Formation	S9E	_V4A-0a		
	AMQ-ENV15-045	2500	2.5	WT - Pit	Ore	Iron Formation	S9E	_S9E		
	AMQ-ENV-47[2]	2500	2.5	WT - Pit	Ore	Iron Formation	S9E	_V4A	Iron Formation (S9E)	71%
	AMQ-ENV15-089	2500	2.5	WT - Pit	Ore	Iron Formation	S9E	_S9E		
C-2	AMQ-ENV-17	2500	2.5	WT - Pit	Waste	Iron Formation	S9E	_V4A-0a		
	AMQ-ENV15-010	2500	2.5	WT - Pit	Ore	Iron Formation	S9E	_S9E		
	AMQ-ENV15-021	2500	2.5	WT - Pit	Ore	Iron Formation	S9E	_V4_bio		
	AMQ-ENV15-099	2500	2.5	WT - Pit	Waste	Iron Formation	S9E	_V4A-0a		
	AMQ-ENV-43	2500	2.5	WT - Pit	Waste	Iron Formation	V4A-0a	_V4A		
	AMQ-ENV15-040	2500	2.5	WT - Pit	Waste	Iron Formation	V4A-0a	_V4A	Komatiite North (V4A-Oa)	18%
	AMQ-ENV15-041	2500	2.5	WT - Pit	Waste	Iron Formation	V4A-0a	_V4A		
	AMQ-ENV15-035	2500	2.5	WT - Pit	Waste	Iron Formation	S9E/S10_03/V4A-0b	_S9E	COMPOSITE	6%
	AMQ-ENV-42	2500	2.5	WT - Pit	Ore	Iron Formation	S3C	_S3	(S3C)	6%
	Column Weight	**42500**	**43**							**100%**
	AMQ-ENV-109	2500	2.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-042	2500	2.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-064	2500	2.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-074	2500	2.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-075	2500	2.5	WT - Pit	Waste	Greywacke	S3C	_S6	Greywacke Central (S3C)	56%
	AMQ-ENV15-097	2500	2.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-098	2500	2.5	WT - Pit	Waste	Greywacke	S3C	_S6		
	AMQ-ENV15-106	2500	2.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV-28	2500	2.5	WT - Pit	Ore	Greywacke	S3C	_S10		
C-3	AMQ-ENV-29	2500	2.5	WT - Pit	Ore	Greywacke	S3C	_S10		
	AMQ-ENV15-008	2500	2.5	WT - Pit	Waste	Greywacke	S10_03	_S10		
	AMQ-ENV15-009	2500	2.5	WT - Pit	Ore	Greywacke	S10_03	_S10		
	AMQ-ENV15-025	2500	2.5	WT - Pit	Ore	Greywacke	S10_03	_S10		
	AMQ-ENV15-048	2500	2.5	WT - Pit	Waste	Greywacke	S10_03	_S10	Chert Central (S10)	44%
	AMQ-ENV15-073	2500	2.5	WT - Pit	Ore	Greywacke	S10_03	_S6		
	AMQ-ENV15-091	2500	2.5	WT - Pit	Waste	Greywacke	S10_03	_S10_mSi		
	AMQ-ENV-34	2500	2.5	WT - Pit	Ore	Greywacke	S10_03	_S10		
	AMQ-ENV-40	2500	2.5	WT - Pit	Waste	Greywacke	S10_03	_S10		
	Column Weight	**45000**	**45**							**100%**
	AMQ-ENV-03	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV-11	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV-12	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV-13	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV-14	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-065	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-066	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-107	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV15-108	1500	1.5	WT - Pit	Ore	Greywacke	S3C	_S3	Greywacke Central (S3C)	43%
	AMQ-ENV15-112	1500	1.5	WT - Pit / UG	Ore	Greywacke	S3C	_S6		
	AMQ-ENV-18	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S10		
	AMQ-ENV-19	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S10		
	AMQ-ENV-20	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S10		
	AMQ-ENV-36	1500	1.5	WT - Pit	Ore	Greywacke	S3C	_S3		
	AMQ-ENV-37	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV-41	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV-46	1500	1.5	WT - Pit	Waste	Greywacke	S3C	_S3		
	AMQ-ENV-112	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV-115	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV-116	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
C-4	AMQ-ENV-117	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV-120	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-003	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-023	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-032	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3	Greywacke South (S3S)	38%
	AMQ-ENV15-049	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-093	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-101	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-102	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-103	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-110	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-012	1500	1.5	WT - Pit	Waste	Greywacke	S3S	_S3		
	AMQ-ENV15-004	1500	1.5	WT - Pit	Waste	Greywacke	V3-1b	_S3(S)		
	AMQ-ENV15-005	1500	1.5	WT - Pit	Waste	Greywacke	V3-1b	_S3(S)		
	AMQ-ENV15-006	1500	1.5	WT - Pit	Waste	Greywacke	V3-1b	_S3	Basalts South (V3S)	15%
	AMQ-ENV15-001	1500	1.5	WT - Pit	Waste	Greywacke	V3-1b	_S3		
	AMQ-ENV15-013	1500	1.5	WT - Pit	Waste	Greywacke	V3-1b	_S3		
	AMQ-ENV15-022	1500	1.5	WT - Pit	Waste	Greywacke	V3-1b	_S3		
	AMQ-ENV15-054	1500	1.5	WT - Pit	Waste	Greywacke	S10_01	_S3	Chert Central (S10)	3%
	AMQ-ENV15-047	1500	1.5	WT - Pit	Waste	Greywacke	V4A-0b	_V4A	Ob)	3%
	Column Weight	**60000**	**60**							**100%**

Appendix C-2
Large Column Composition Summary
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Column Identification	Sample Identification	Mass (g)	Mass (kg)	Deposit Location[1]	Material	Target Rock Type	Sample Rock Type (MODEL)	Sample Rock Type (Logged)	Rock Name (MODEL)	Percent Rock Type by Mass
C-5	AMQ-ENV-02	2400	2.4	WT - Pit	Ore	Komatiite	V4A-0b	_V4A	Komatiite South (V4A-Ob)	60%
	AMQ-ENV-10	2400	2.4	WT - Pit	Waste	Komatiite	V4A-0b	_V4A		
	AMQ-ENV-119	2400	2.4	WT - Pit	Waste	Komatiite	V4A-0b	_V4A		
	AMQ-ENV15-020	2400	2.4	WT - Pit	Ore	Komatiite	V4A-0b	_V4A		
	AMQ-ENV15-033	2400	2.4	WT - Pit	Ore	Komatiite	V4A-0b	_V4A		
	AMQ-ENV15-109	2400	2.4	WT - Pit	Waste	Komatiite	V4A-0b	_V4A		
	AMQ-ENV-09	2400	2.4	WT - Pit	Waste	Komatiite	V3-1b	_V4A	Basalts South (V3S)	20%
	AMQ-ENV-113	2400	2.4	WT - Pit	Waste	Komatiite	V3-1b	_V3		
	AMQ-ENV-122	2400	2.4	WT - Pit	Waste	Komatiite	S3S	_V3	Greywacke South	10%
	AMQ-ENV15-081	2400	2.4	WT - Pit	Waste	Komatiite	S3S	_S3	Greywacke South	10%
	Column Weight	**24000**	**24**							**100%**
C-6	AMQ-ENV15-092	2400	2.4	WT - Pit	Waste	Greywacke	S10_01	_S6	Chert Central (S10)	58%
	AMQ-ENV15-037	2400	2.4	WT - Pit	Waste	Greywacke	S10_03	_S10_mSi		
	AMQ-ENV15-046	2400	2.4	WT - Pit	Waste	Greywacke	S10_03	_S10_mSi		
	AMQ-ENV15-088	2400	2.4	WT - Pit	Waste	Greywacke	S10_03	_S6		
	AMQ-ENV15-096	2400	2.4	WT - Pit	Waste	Greywacke	S10_03	_S6		
	AMQ-ENV15-019	2400	2.4	WT - Pit	Waste	Greywacke	S10_03	_S10_mSi		
	AMQ-ENV15-115	2400	2.4	WT - UG	Waste	Greywacke	S10_03	_S10		
	AMQ-ENV15-058	2400	2.4	WT - Pit	Waste	Greywacke	S10_01/S3C	_S3/_S10	COMPOSITE	8%
	AMQ-ENV15-056	2400	2.4	WT - Pit	Waste	Greywacke	S3C	_S3C	Greywacke Central (S3C)	17%
	AMQ-ENV15-085	2400	2.4	WT - UG	Ore	Greywacke	S3C	_QV	Greywacke Central (S3C)	
	AMQ-ENV15-007	2400	2.4	WT - Pit	Ore	Greywacke	V4A-0b	_V3-1b/_S10E	Komatiite South (V4A-Ob)	17%
	AMQ-ENV15-095	2400	2.4	WT - Pit	Ore	Greywacke	V4A-0b	_S10_sSi		
	Column Weight	**28800**	**29**							**100%**
C-7	AMQ-ENV-01	2900	2.9	WT - Pit	Waste	Basalt	V4A-0b	_V4A	Komatiite South (V4A-Ob)	14%
	AMQ-ENV-07	2900	2.9	WT - Pit	Waste	Basalt	V3-1b	_I4O	Basalts South (V3S)	86%
	AMQ-ENV-08	2900	2.9	WT - Pit	Waste	Basalt	V3-1b	_I4O		
	AMQ-ENV-118	2900	2.9	WT - Pit	Waste	Basalt	V3-1b	_V3		
	AMQ-ENV15-104	2900	2.9	WT - Pit	Waste	Basalt	V3-1b	_S3/_V4A-0b		
	AMQ-ENV15-094	2900	2.9	WT - Pit	Waste	Basalt	V3-1b	_S3		
	AMQ-ENV15-024	2900	2.9	WT - Pit	Waste	Basalt	V3-1b	_S3		
	Column Weight	**20300**	**20**							**100%**
C-8	AMQ-ENV-44	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A	Komatiite North (V4A-Oa)	35%
	AMQ-ENV-121	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-014	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-016	700	0.70	WT - Pit	Ore	Komatiite	V4A-0a	_V4_bio		
	AMQ-ENV15-026	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-029	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-030	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-055	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV-16	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV-32	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_S10		
	AMQ-ENV-33	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_S10		
	AMQ-ENV-39	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV-43	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-040	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV15-041	700	0.70	WT - Pit	Waste	Komatiite	V4A-0a	_V4A		
	AMQ-ENV-02	700	0.70	WT - Pit	Ore	Komatiite	V4A-0b	_V4A	Komatiite South (V4A-Ob)	14%
	AMQ-ENV-10	700	0.70	WT - Pit	Waste	Komatiite	V4A-0b	_V4A		
	AMQ-ENV-119	700	0.70	WT - Pit	Waste	Komatiite	V4A-0b	_V4A		
	AMQ-ENV15-020	700	0.70	WT - Pit	Ore	Komatiite	V4A-0b	_V4A		
	AMQ-ENV15-033	700	0.70	WT - Pit	Ore	Komatiite	V4A-0b	_V4A		
	AMQ-ENV15-109	700	0.70	WT - Pit	Waste	Komatiite	V4A-0b	_V4A		
	AMQ-ENV-125	700	0.70	WT - Pit	Ore	Komatiite	S9E	_V4A-0a	Iron Formation (S9E)	37%
	AMQ-ENV15-027	700	0.70	WT - Pit	Ore	Komatiite	S9E	_S9E		
	AMQ-ENV15-034	700	0.70	WT - Pit	Waste	Komatiite	S9E	_S9E		
	AMQ-ENV15-038	700	0.70	WT - Pit	Waste	Komatiite	S9E	_S9E		
	AMQ-ENV15-039	700	0.70	WT - Pit	Ore	Komatiite	S9E	_V4A-0a		
	AMQ-ENV15-045	700	0.70	WT - Pit	Ore	Komatiite	S9E	_S9E		
	AMQ-ENV-47[2]	700	0.70	WT - Pit	-	Komatiite	-	-		
	AMQ-ENV15-089	700	0.70	WT - Pit	Ore	Komatiite	S9E	_S9E		
	AMQ-ENV-17	700	0.70	WT - Pit	Waste	Komatiite	S9E	_V4A-0a		
	AMQ-ENV15-010	700	0.70	WT - Pit	Ore	Komatiite	S9E	_S9E		
	AMQ-ENV15-021	700	0.70	WT - Pit	Ore	Komatiite	S9E	_V4_bio		
	AMQ-ENV15-099	700	0.70	WT - Pit	Waste	Komatiite	S9E	_V4A-0a		
	AMQ-ENV15-028	700	0.70	WT - Pit	Waste	Komatiite	S9E	_S9D		
	AMQ-ENV15-011	700	0.70	WT - Pit	Waste	Komatiite	S9E	_V4_bio		
	AMQ-ENV15-090	700	0.70	WT - Pit	Waste	Komatiite	S9E	_S9E		
	AMQ-ENV-31	700	0.70	WT - Pit	Waste	Komatiite	S9E	_S10		
	AMQ-ENV-42	700	0.70	WT - Pit	Ore	Komatiite	S3C	_S3	(S3C)	2%
	AMQ-ENV-122	700	0.70	WT - Pit	Waste	Komatiite	S3S	_V3	(S3S)	2%
	AMQ-ENV15-081	700	0.70	WT - Pit	Waste	Komatiite	S3S	_S3	(S3S)	2%
	AMQ-ENV15-035	700	0.70	WT - Pit	Waste	Komatiite	S9E/S10_03/V4A-0b	_S9E	COMPOSITE	2%
	AMQ-ENV-09	700	0.70	WT - Pit	Waste	Komatiite	V3-1b	_V4A	Basalts South (V3S)	5%
	AMQ-ENV-113	700	0.70	WT - Pit	Waste	Komatiite	V3-1b	_V3		
	Column Weight	**30100**	**30**							**100%**
C-9	AMQ-ENV16-44	4067	4.1	WT - Pit	Waste	Greywacke North	S3N	_S3	Greywacke North (S3N)	67%
	AMQ-ENV16-45	4067	4.1	WT - Pit	Waste	Greywacke North	S3N	_S3		
	AMQ-ENV16-50	4067	4.1	WT - Pit	Waste	Greywacke North	V4A-0a	_S3		33%
	Column Weight	**12200**	**12**							**100%**

Note:
(1) Deposit location is WT-Pit (Whale Tail Pit), WT-UG (Whale Tail Underground) or IVR (IVR Pit).
(2) Alternative comparable interval selected to represent this sample, as it was not available to sample.

Appendix C-3
Field Cell Composition Summary
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Field Cell Identification	Target Rock Type	Sampled Interval for Field Cell Construction[1]				Golder Sample Identification and Rock Type			Select Parameters from Static Test Results	
		Borehole ID	From	To	Mass (kg)	Sample Identification	Rock Type (MODEL)	ROCK TYPE (LOGGED)	Arsenic (ug/g)	Arsenic (mg/L)
AMQ-ENV16-Field Cell-UM	Ultramafic (V4a; 0b + 0a)	IVR14-123	95	106	21	AMQ-ENV-16	V4A-0a	_V4A	380	0
		IVR14-123	165	180	32	AMQ-ENV-17	S9E	_V4A-0a	150	0.18
		IVR14-120	95	110	27	AMQ-ENV-33	V4A-0a	_S10	190	0.11
		IVR14-121A	148	162	32	AMQ-ENV-39	V4A-0a	_V4A	350	0.21
		IVR14-118	269	280	23	AMQ-ENV-43	V4A-0a	_V4A	820	4.0
		IVR14-118	280	295	35	AMQ-ENV-44	V4A-0a	_V4A	180	0.13
		AMQ15-245A	165	174	22	AMQ-ENV-49[2]	S9E	_V4A	660	4.7
		AMQ15-196	140	155	33	AMQ-ENV-61[2]	V3-1b	_V4A	200	0.31
		IVR14-156	59	69	18	AMQ-ENV-62[2]	V4A-0b	_V4A	180	0.38
		AMQ15-163	106	117	26	AMQ-ENV-69[2]	S9E	_S9E	1400	8.9
		AMQ15-163	117	131	35	AMQ-ENV-70[2]	S9E	_S9E	540	2.4
		AMQ15-180	75	84	32	AMQ-ENV15-033	V4A-0b	_V4A	80	0.36
		Total Mass:			**335**	**Average:**			**428**	**1.8**
	Rock Type (Model)				**Mass (kg)**	**Percentage by Mass**				
	V4A-0a				137	41%				
	S9E				115	34%				
	V4A-0b				51	15%				
	V3-1b				33	10%				
AMQ-ENV16-Field Cell-IF	Iron Formation (S9D + S9E)	AMQ15-245A	116	121	11	AMQ-ENV-47[2]	S9E	_V4A	1100	7.1
		IVR14-055	95	102	18	AMQ-ENV-56	S9E	_S9E	1500	7.4
		AMQ15-178	150	162	32	AMQ-ENV-56[2]	S9E	_S9E	1500	7.4
		IVR14-056	25	30	16	AMQ-ENV-57	S9E	_S9E	2000	4.6
		IVR14-056	80	90	18	AMQ-ENV-59	V4A-0a	_V4A	430	0.62
		AMQ15-220	40	45	14	AMQ-ENV-72[2]	V4A-0a	_V4_bio	870	3.4
		AMQ15-161	143	148	11	AMQ-ENV15-021	S9E	_V4_bio	550	0.30
		AMQ15-164	75	90	33	AMQ-ENV15-028	S9E	_S9D	1000	1.1
		AMQ15-180	110	119	20	AMQ-ENV15-034	S9E	_S9E	800	0.45
		AMQ15-211	36	46	25	AMQ-ENV15-035	S9E/S10_03/V4A-0b	_S9E	320	0.36
		AMQ15-193	44	53	25	AMQ-ENV15-038	S9E	_S9E	580	0.59
		AMQ15-188	117	119	7.0	AMQ-ENV15-045	S9E	_S9E	1200	1.4
		IVR14-079	103	106	5.8	AMQ-ENV15-090	S9E	_S9E	1400	1.4
		IVR14-087	260	267	16	AMQ-ENV15-105	V4A-0a	_V4A	680	2.0
		Total Mass:			**250**	**Average:**			**995**	**2.7**
	Rock Type (Model)				**Mass (kg)**	**Percentage by Mass**				
	S9E				177	71%				
	V4A-0a				48	19%				
	S9E/S10_03/V4A-0b				25	10%				

Note:

(1) Interval collected for field cell construction is not always the same interval previously tested due to material availability.

(2) Alternative comparable interval selected to represent this sample, as it was not available to sample.

APPENDIX D

Quality Assurance Quality Control Program

QA/QC METHODS

The type of QA/QC conducted, rationale for analysis and number of samples analyzed as part of the QA/QC program are summarized in the table below and described in further detail in the following sections.

Table: Summary of the QA/QC Program

Analysis or Sample Type	Number of Samples	Rationale
Duplicate mineralogical analysis by XRD	3	Analytical precision and repeatability
Laboratory SFE duplicate on same leachate sample	4	Analytical repeatability
Duplicate leachate water sample derived from Column 8 – Port 2 for Day 1, Day 3, and Day 6	1	Analytical precision
Riffle split duplicate samples from same crushed core	15[1]	Assess solid sample homogeneity
Comparison between original sample and subsequent riffle split samples (including ABA, whole rock and elemental analysis)	4	Analytical repeatability
Blind duplicate samples analyzed for ABA, trace elements and whole rock geochemistry and shake-flask extraction leachate	6	Assess solid sample homogeneity
Duplicate ABA, trace and whole rock analysis on Humidity Cell (AMQ-ENV-025)	6	Assess solid sample homogeneity
Duplicate leachate water sample derived from field cell	1	Assess aqueous sample homogeneity
Whale Tail Lake samples used to force leach the FC Tests (as required)	1	Water quality analysis for use in field cells
Field cell sand filter for IF FC reconstruction – static testing	1	Assess composition of sand filter to confirm low ARD/ML potential
Field cell sand filter for IF FC reconstruction – analysis of leachate through sand filter	1	Assess quality of sand filter leachate

Notes:
[1] QA/QC tests conducted on samples after riffle spilt include ABA - 13 samples, whole rock analysis - 8 samples, elemental analysis - 19 samples and SFE – 10 samples); on humidity cell duplicate (ABA, whole rock and elemental analysis); and on 4 samples not spilt include ABA, whole rock analysis, elemental analysis, and SFE).

Sample Collection

Samples of core and overburden collected by Golder were obtained using a consistent sampling procedure and sample size. Sampled material was bagged individually to avoid cross-contamination, provided unique sample identification and sent to the analytical laboratory with chain-of-custody records. Similar analytical methods were used on all solid samples (rock, ore, overburden, lake sediments and tailings) to allow direct comparison of results. The following sections detail the methods and results of the QA/QC program.

Laboratory Analysis

When rock and overburden samples arrive at the laboratory, all material that is collected and placed in the bag during sample collection is crushed (<9.5 mm) (waste rock only), homogenized, and placed back into a sample bag. A riffle split of roughly 1kg is collected using a sample splitter to ensure that a representative sample is collected. From this riffle split, 300 g is split off for use in the SFE test, while the remaining 700 g is pulverized (passing 200 µm) for ABA, whole rock analysis (WRA) and total metal analysis.

In addition to the internal QA/QC protocol at followed at SGS to assess laboratory analytical precision, QA/QC analyses were performed on approximately 10% of the samples analyzed. Two groups of analyses were completed as follows:

- Duplicate analyses collected from the riffle splits of sample material to assess the analytical repeatability. Completed for ABA, whole rock, total metals, and SFE analyses.
- Replicate analyses using sub-samples collected from the bulk crushed sample material which is then pulverized individually prior to analysis (except SFE, which is not pulverized) was completed to assess sample heterogeneity at the crushed size fraction.

  Results for the duplicate samples were analyzed following the Environmental Protection Agency (EPA) Guidelines for Inorganic Data Review (USEPA, 1994) and are included in Appendix D. In keeping with this guideline, the relative percent difference (RPD) was calculated and compared with an RPD for each parameter, under the following conditions:

- An RPD is calculated only when both concentrations are greater or equal to five times the method detection limit (MDL).
  - If one or both samples are between the MDL and 5x the MDL, the control limit of the RPD is the MDL, therefore the RPD screening evaluation is inconclusive.
  - If one or both values are below the MDL, the screening evaluation is inconclusive.
- RPD values greater than 5x the MDL are thus compared to the screening value of 20% (aqueous analyses) and 35% (solid material analyses), and exceedances of these threshold values indicate the analytical precision for that parameter requires further investigation.

Results of this QAQC program are presented below.

Grain Size Effect on Chemistry

Samples of waste rock and ore were collected from existing and new exploration drill core and from assay reject material. The main difference between these two source materials is grain size. The reject material was received at SGS as fine samples (< 2mm), while core samples were crushed by SGS to <9.5mm. The grain size does not affect the ABA or chemical composition analyses since these require pulverized material; however, it could have affected the SFE test because it uses crushed material (< 9.5 mm). To verify the effect of the smaller grain size, and thus, larger surface area per unit weight of assay results, replicates of four assay reject samples were collected from core from the same interval as the assay reject. These ‘replicate’ core samples were crushed to <9.5 mm and subjected to the same suite of testing as their replicated assay intervals.

Results indicate that the variance in SFE leachate chemistry due to differences in grain size is significant as 91 out of the 204 (45%) parameters tested showed a difference greater than the 20% RPD for aqueous solutions. However, in some instances it was the crushed core sample that exhibited higher concentrations than the pulverized reject sample. This variance is likely due to the heterogeneity of the samples targeted within the duplicate interval, which was confirmed through further QA/QC testing completed and presented below.

Because of their small grain size, no reject sample was submitted for kinetic testing.

Field Cell QA/QC Program

Prior to construction of the UM FC (composed of 92% of komatiite waste rock) and IF FC (composed of 79% of iron formation waste rock), a composite sample of charge material from each field cell was collected, crushed, homogenized and divided into three riffle split samples at SGS. Static analysis of the 3 split samples per field cell, including ABA, trace element, and SFE analysis, was conducted to assess the homogeneity of and the accuracy of the chemical analysis on the charge material. When collecting the composite samples, preference was given to collection of material from the crushed samples as it would have been relatively homogenized from the mixing and crushing process, although pieces of core were also included and selected at random. Samples totalled approximately 8.75 kg for the UM FC and 9.75 kg for the IF FC.

Whale Tail Lake water was analyzed for each force-leaching event to document the composition of the leach solution. Additionally, static analysis (ABA, trace elemental and SFE) of the sand filter material used in the re-construction of the IF FC (see Section 2.3.4.2.3), and the leachate solution generated by force-leaching of the sand material prior to construction was analyzed at SGS.

Furthermore, samples of field cell leachate were collected in duplicate on five sampling events (August and September 2016, and June and October 2017) for both the UM FC and IF FC to test analytical repeatability. Relative percent differences (RPDs) were calculated and evaluated following U.S. Environmental Protection Agency (USEPA) guidelines (USEPA, 1994).

QA/QC RESULTS

Duplicates

Results suggest that the precision of the analytical results for constituents of environmental interest is acceptable for the purpose of evaluating potential environmental impacts. Although several parameters have RPD values greater than 20% for one or two samples, none of the parameters had consistently elevated RPD values. Furthermore, many RPD differences occurred at lower concentrations, and according to Fritz (1994), this is acceptable considering higher sample variability at low concentrations, and therefore no systematic error is suspected. The analytical data from SFE tests is therefore considered to have adequate repeatability.

Riffle Split Replicates

Fifteen (15) riffle split replicate samples were prepared and analyzed to provide an assessment on the heterogeneity of the samples including ABA (13 samples), whole rock analysis (8 samples), elemental analysis (19 samples) and SFE (10 samples) analyses.

Overall, there was good agreement between the replicates and the original data in the solid portion of testing parameters. Out of the 45 to 105 parameters tested (parameter suite varied for each QA/QC analysis), most samples reported RPD differences less than 35% (solid analysis) and 20% (aqueous analysis). The acids used to digest the material do not completely dissolve all of the silicate minerals which explains why silicon consistently showed RPD values greater than 60%.

The replicate of sample AMQ-ENV15-025 reported an RPD of greater than 35% for almost half of the parameters tested. However, during sample collection Golder personnel noted that this sample was distinctively banded and contained numerous thin calcite veins. This heterogeneity likely explains the differences noted in the total metals, while the presence of the calcite veins may explain the large difference in the carbonate content (80% RPD). Sample AMQ-ENV-28 also showed elevated RPD values between the replicate and the original sample in the ABA testing, but not in the total metals nor SFE leachate. This sample was collected by Agnico Eagle staff and no descriptions are available to assist in explaining the high RPDs. However, because most other replicate samples reported low RPD differences, it is expected that the difference noted in the RPD for this sample is based on sample heterogeneity and not on laboratory methods.

Replicate SFE results report a variable number of parameters that have an RPD greater than 20%. No trend is observed between the samples with numerous parameters having RPD exceedances and the sample's lithology. Sample AMQ-ENV15-027 (iron formation) was the only sample that showed a high difference (>100% RPD) in the leachable arsenic content between the original sample and its replicate. During sample collection Golder personnel noted that this sample contained numerous, thin quartz and calcite veins, as well as a variable amount of disseminated sulphides; the latter of which could explain the variability of the arsenic content.

Overall, results of the replicate samples indicate that geochemical variability within a sample is possible, which based on visual observations in the field during sample collection, is expected. Nonetheless, results reported for all lithologies are considered representative and the results of the QAQC program do not change the ABA classification for the lithologies. Results further strengthen the position that during sample collection, caution must be taken to ensure that the material collected represent the lithology as much as possible; geological anomalies within the core samples (e.g., pockets of minerals (vugs), veins, zones of weathering, etc.) may skew testing results.

Field Cells

The results of static analyses (ABA, trace elemental and SFE) of the sand filter and the chemical analysis on the leachate produced from force leach of the sand filter with Whale Tail Lake water confirm that the sand filter used in the re-construction of the IF FC is chemically inert. The chemical analysis of Whale Tail Lake water used in the force leaching of cells indicates water is pH 6.8 to 6.9, an electrical conductivity of 18 to 48 (µS/cm) with low concentrations of major ions and metals.

Samples of field cell leachate collected in duplicate on five sampling events (August and September 2016, and June and October 2017) for either the UM and IF field cells indicate analytical repeatability is generally acceptable. The RPDs of most constituents of duplicate chemical analysis of field cell leachate are generally below the 20% QA/QC screening value, except dissolved tin, titanium and zinc (RPDs > 25% for three or more of the five duplicate leachate samples analyzed), and lesser so for dissolved cadmium, chromium, copper, iron, phosphorus, lead, and thallium (RPD > 25% for one to two duplicate analyses only). The highest RPDs are for parameters present in low concentrations (phosphorus, tin, titanium, thallium, zinc), many close to detection limit indicating the variability in analytical repeatability may be due to limitations of method detection.

Appendix D-1
Sample QA/QC Results
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

| Sample Identification | Duplicate Description | Borehole ID | Sample Depth (m) | | Rock Type (Model) | Rock Name (Model) | Material | Deposit Location[1] | Acid-Base Accounting | | | | | | | | | | Whole Rock Analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | Trace Element Analysis | | | | | | | | | | | | | | | | | | |

Appendix D-1
Sample QA/QC Results
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification	Duplicate Description	Borehole ID	Sample Depth (m) From	Sample Depth (m) To	Rock Type (Model)	Rock Name (Model)	Shake-Flask Extraction: pH	Alkalinity	Conductivity	F	Cl	SO4	Cr(VI)	P	Hg	Ag	Al	As	Ba	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se
			MDL[2]				0.050	2.0	2.0	0.060	1.0	2.0	0.20	0.030	0.000010	0.000050	0.0010	0.00020	######	0.0020	0.00007	0.0000070	0.010	0.0000030	0.0000040	0.000030	0.00020	0.070	0.0030	0.00010	0.00010	0.00010	0.00065	1.8	0.0014	0.010	######	0.0030	######	0.00020	0.00040
							no unit	mg/L as $CaCO_3$	uS/cm	mg/L	mg/L	mg/L	µg/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	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
AMQ-ENV-01	Original	IVR14-130	11	20	V4A-Ob	Komatiite South	8.0	40	222	0.10	2.0	41	-	-	< 0.00001	< 0.00002	0.045	0.69	0.082	0.011	< 0.00007	< 0.00007	13	0.0000303	0.000071	0.00026	0.00034	< 0.007	35	0.0012	3.8	0.00094	0.00055	1.8	0.0014	0.016	######	0.0021	0.00014
AMQ-ENV-01	Riffle	IVR14-130	11	20	V4A-Ob	Komatiite South	8.6	41	205	0.090	< 2	50	-	-	< 0.00001	< 0.00002	0.020	0.85	0.091	0.016	< 0.00007	< 0.00007	12	< 0.00003	0.00013	0.00035	0.00014	< 0.002	30	0.0013	3.9	0.00088	0.0012	1.6	0.0016	< 0.009	0.00001	0.0033	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						7.0		2.5	8.0	<MDL	-	20	-	-	-	77	20	9.6	39	-	-	3.2	-	58	30	83	-	15	9.9	1.3	6.6	26	12	13	-	-	44	-
																	1.0			1.0					1.0	1	1.0						1					1.0	
AMQ-ENV15-025	Original	IVR14-141	139	148	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-025	Riffle	IVR14-141	139	148	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-027	Original	AMQ15-164	45	55	S9E	Iron Formation	7.8	77	165	0.080	20	7.0	-	-	< 0.00001	0.000027	0.12	5.4	0.040	0.016	< 0.00007	0.0000070	13	0.0000040	0.00016	0.00045	0.00027	0.011	21	0.0020	2.4	0.0037	0.00059	1.8	0.013	0.0040	######	0.060	0.00040
AMQ-ENV15-027	Riffle	AMQ15-164	45	55	S9E	Iron Formation	8.1	28	94	0.10	9.0	< 1	-	-	< 0.00001	0.000010	0.33	1.4	0.0033	0.0066	< 0.00007	< 0.00007	7.1	< 0.00003	0.000053	0.00036	0.00014	0.031	13	0.0011	0.79	0.0016	0.00015	0.91	0.0019	< 0.003	0.00001	0.020	0.000080
	Number of Parameters exceeding RPD Criteria[3]:						3.5		93	55	<MDL	76	-	-	-	<MDL	93	116	20	>MDL	-	-	61	-	101	22	63	>MDL	50	59	100	79	119	65	149	-	-	101	>MDL
									1.0	1.0	1.0	1.0					1.0	1.0	1	1.0			1.0		1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1		1.0	
AMQ-ENV-47	Original	IVR14-016	130	140	S9E	Iron Formation	8.3	55	188	0.090	7.0	8.0	-	-	< 0.00001	< 0.00002	0.028	7.5	0.0080	0.015	< 0.00007	< 0.00007	6.6	< 0.00003	0.000077	0.0077	0.00026	< 0.007	41	0.0015	2.7	0.00065	0.00018	1.6	0.0032	0.010	0.00001	0.040	0.00088
AMQ-ENV-47	Riffle	IVR14-016	130	140	S9E	Iron Formation	8.7	53	168	0.10	< 2	12	-	-	< 0.00001	0.0000020	0.041	7.1	0.0082	0.025	< 0.00007	< 0.00007	5.5	< 0.00003	0.000052	0.013	0.00012	0.0080	40	0.00090	1.8	0.00043	0.00024	1.6	0.0021	0.011	0.00001	0.053	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						4.2		3.7	11	<MDL	-	>MDL	-	-	-	38	5.2	3.5	51	-	-	18	-	39	49	74	-	1.2	52	42	41	29	1.9	42	<MDL	-	27	-
																	1.0			1.0					1.0	1.0	1.0			1.0	1.0	1.0	1	1.0			1	
AMQ-ENV-49	Original	IVR14-016	107	116	S9E	Iron Formation	7.8	35	721	0.090	8.0	230	-	-	0.000010	0.0000050	0.096	4.7	0.0061	0.012	< 0.00007	< 0.00007	32	< 0.00003	0.00024	0.00026	0.00064	< 0.007	41	0.0031	7.8	0.0069	0.0012	76	0.0095	0.0040	######	0.056	0.00056
AMQ-ENV-49	Riffle	IVR14-016	107	116	S9E	Iron Formation	8.1	42	464	0.11	3.1	130	-	-	< 0.00001	0.0000080	0.16	4.7	0.0021	0.018	< 0.00007	< 0.00007	11	< 0.00003	0.000086	0.00052	0.00034	< 0.007	28	0.0016	2.9	0.0022	0.0011	64	0.0037	0.0050	0.00001	0.045	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						3.6		18	43	<MDL	>MDL	56	-	-	-	<MDL	50	0.64	99	38	-	96	-	94	67	61	61	-	37	63	91	104	8	17	88	<MDL	20	61
										1.0			1.0				1.0	1.0	1.0	1.0			1.0		1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	
AMQ-ENV-53	Original	IVR14-084	150	161	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-53	Riffle	IVR14-084	150	161	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-056	Original	IVR14-148	37	47	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-056	Riffle	IVR14-148	37	47	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-62	Original	IVR14-092	69	80	S3C	Greywacke Central	9.0	91	149	0.16	3.0	3.0	-	-	0.000020	< 0.00002	0.10	0.46	0.034	0.011	< 0.00007	< 0.00007	3.5	< 0.00003	0.000044	0.00044	0.00054	< 0.007	34	0.00084	1.0	0.00034	0.00069	3.7	######	0.010	######	0.0030	0.00014
AMQ-ENV-62	Riffle	IVR14-092	69	80	S3C	Greywacke Central	9.2	62	138	0.19	3.0	3.0	-	-	< 0.00001	0.0000020	0.13	0.38	0.029	0.021	< 0.00007	< 0.00007	2.8	< 0.00003	0.000048	0.00066	0.00025	< 0.007	34	0.00053	0.84	0.00026	0.00088	3.6	######	0.012	0.00001	0.0037	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						2.4		38	7.7	<MDL	<MDL	<MDL	-	-	-	27	19	17	62	-	-	20	-	8.7	40	73	-	1.2	45	20	27	24	2.2	15	<MDL	-	21	-
									1.0								1			1.0						1.0	1.0			1.0	1	1	1				1	
AMQ-ENV-70	Original	IVR14-015	83	93	S9E	Iron Formation	8.0	34	168	0.070	7.0	24	-	-	< 0.00001	< 0.00002	0.017	3.3	0.0068	0.018	< 0.00007	< 0.00007	12	< 0.00003	0.000037	0.00035	0.00030	< 0.007	14	0.00013	6.7	0.00037	0.00041	1.2	0.0015	0.0050	######	0.028	0.00042
AMQ-ENV-70	Riffle	IVR14-015	83	93	S9E	Iron Formation	8.3	38	130	0.090	6.6	13	-	-	< 0.00001	< 0.00002	0.019	2.4	0.0051	0.026	< 0.00007	< 0.00007	7.5	< 0.00003	0.000024	0.00055	0.00019	< 0.007	17	0.0009898	4.3	0.00025	0.00034	1.1	######	0.0060	0.00001	0.036	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						3.2		11	26	<MDL	5.9	59	-	-	-	8.5	31	29	37	-	-	42	-	43	44	45	-	23	<MDL	44	39	19	9.6	50	<MDL	-	26	-
										1			1.0				1	1	1.0				1.0		1.0	1.0	1.0		1		1.0	1.0		1.0			1	
AMQ-ENV15-097	Original	IVR14-091	190	200	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-097	Riffle	IVR14-091	190	200	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-142	Original	AMQ15-481-03	254	259	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-142	Riffle	AMQ15-481-03	254	259	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-20	Original	IVR14-114	190	199	S3C	Greywacke Central	9.2	41	81	0.18	< 2	< 2	-	0.030	< 0.00001	< 0.00002	2.3	0.060	0.018	0.057	0.000015	0.000017	1.9	< 0.00003	0.00021	0.0012	0.00040	0.35	8.2	0.0017	0.26	0.0065	0.00032	11	######	0.056	0.00036	0.0026	< 0.001
AMQ-ENV-20	Riffle Split	IVR14-114	190	199	S3C	Greywacke Central	8.7	42	86	0.21	1.0	2.0	-	< 0.03	< 0.00001	< 0.00002	1.6	0.048	0.0067	0.040	< 0.00005	< 0.00007	1.7	< 0.00003	0.000092	0.00043	0.00021	0.23	9.7	0.0020	0.19	0.0043	0.0040	12	######	0.037	0.00020	0.0016	0.000070
	Number of Parameters exceeding RPD Criteria[3]:						5.8		2.4	6.0	<MDL	-	-	-	-	-	32	23	92	22	<MDL	-	12	-	80	94	62	40	18	19	29	40	170	7.1	>MDL	41	57	48	-
																	1	1	1.0	1					1.0	1.0	1.0				1.0	1.0	1	1.0			1	
AMQ-ENV-29	Original	IVR14-120	33	42	S3C	Greywacke Central	8.1	64	327	0.090	< 2	43	-	< 0.03	< 0.00001	0.000043	0.020	0.0052	0.0071	0.013	< 0.00007	0.0000011	30	< 0.00003	0.000047	< 0.00003	0.00022	0.0050	31	0.0038	3.2	0.087	0.0054	1.8	0.0014	0.012	0.00001	0.0022	0.00010
AMQ-ENV-29	Riffle Split	IVR14-120	33	42	S3C	Greywacke Central	8.2	83	503	0.17	39	110	-	< 0.03	< 0.00001	0.000030	0.0070	0.0050	0.021	0.057	< 0.00007	< 0.00007	44	0.0000050	< 0.000004	0.00012	0.00065	0.0080	55	0.0050	4.6	0.13	0.012	8.9	0.0018	< 0.003	######	0.0017	0.0015
			2.0		26	42	>MDL	-	-	88	-	-	-	-	-	<MDL	96	3.9	97	128	-	-	39	-	-	-	99	<MDL	57	26	36	39	76	133	25	-	-	26	40
									1	1.0			1.0				1.0	1.0	1.0	1.0			1.0						1.0	1.0	1.0	1.0	1.0				
AMQ-ENV-28	Original	IVR14-120	92	102	S3C	Greywacke Central	6.8	3.0	130	0.060	< 2	44	-	< 0.03	< 0.00001	0.000010	< 0.01	0.031	0.0084	0.016	0.00000070	< 0.00007	3.1	0.000074	0.0078	< 0.00003	0.00027	0.0070	15	0.0084	2.3	1.2	0.000090	4.8	0.035	< 0.009	0.00001	0.00070	0.0040
AMQ-ENV-28	Riffle Reassay	IVR14-120	92	102	S3C	Greywacke Central	7.4	15	200	0.12	3.0	63	-	< 0.03	< 0.00001	< 0.00002	0.060	0.024	0.012	0.051	< 0.00007	< 0.00007	5.0	0.00030	0.0072	0.000090	0.000080	< 0.007	19	0.0098	3.9	1.1	0.0011	12	0.046	< 0.003	0.00001	0.00060	0.0045
	Number of Parameters exceeding RPD Criteria[3]:						9.5		>MDL	42	<MDL	-	36	-	-	-	-	25	33	106	-	-	42	85	7.6	-	>MDL	-	22	16	53	11	170	83	28	-	-	<MDL	11
										1.0	1.0		1.0					1	1	1.0			1.0	1.0			1		1	1.0	1.0	1.0	1.0	1			1	
AMQ-ENV-28	Riffle Split 2	IVR14-120	92	102	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-28	Riffle Split 3	IVR14-120	92	102	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-28	Original	IVR14-120	92	102	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-28	Riffle Split 1	IVR14-120	92	102	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-40	Original	IVR14-118	14	23	S10	Chert Central	7.9	41	154	0.10	< 2	10	-	< 0.03	< 0.00001	0.0000080	0.090	0.0074	0.0052	0.016	< 0.00007	< 0.00007	15	< 0.00003	0.000034	< 0.00003	0.00023	0.059	15	0.0021	2.1	0.017	0.00040	0.81	######	< 0.009	######	0.0021	< 0.001
AMQ-ENV-40	Riffle Reassay	IVR14-118	14	23	S10	Chert Central	8.0	54	223	0.27	20	27	-	< 0.03	< 0.00001	0.0000010	0.031	0.0070	0.011	0.058	< 0.00007	< 0.00007	16	0.0000040	< 0.000004	0.00014	0.00012	0.051	21	0.0028	2.1	0.0049	0.0070	8.5	######	< 0.003	######	0.0026	0.00024
	Number of Parameters exceeding RPD Criteria[3]:						1.6		27	37	>MDL	-	92	-	-	-	<MDL	98	5.6	74	115	-	-	11	-	-	-	63	15	36	30	0.48	112	178	165	<MDL	-	<MDL	21	-
									1.0	1.0			1.0					1.0		1.0	1.0						1.0	1.0	1.0	1		1.0	1.0	1.0			1	
AMQ-ENV-40	Riffle Split 2	IVR14-118	14	23	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-40	Riffle Split 3	IVR14-118	14	23	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-40	Original	IVR14-118	14	23	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-40	Riffle Split 3	IVR14-118	14	23	S10	Chert Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-28	Humidity Cell	IVR14-120	92	102	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-28	Duplicate	IVR14-120	92	102	S3C	Greywacke Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Number of Parameters exceeding RPD Criteria[3]:						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-086	Duplicate of reject sample	IVR14-016	130	131	S9E	Iron Formation	9.1	44	129	< 0.06	5.0	2.0	4.0	1.8	< 0.00001	0.0000020	0.040	4.9	0.010	0.016	< 0.00007	< 0.00007	4.9	< 0.00003	0.00012	0.0046	0.00041	0.034	28	0.00011	0.72	0.00070	0.000080	1.4	0.0016	0.0030	######	0.027	0.00037
AMQ-ENV-47		IVR14-016	130	131	S9E	Iron Formation	8.7	53	168	0.10	< 2	12	13	3.5	< 0.00001	0.0000020	0.041	7.1	0.0082	0.025	< 0.00007	< 0.00007	5.5	< 0.00003	0.000052	0.013	0.00012	0.0080	40	0.00090	1.8	0.00043	0.00024	1.6	0.0021	0.011	0.00001	0.053	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						4.4		19	26	-	-	>MDL	106	67	-	<MDL	3.0	37	22	43	-	-	11	-	78	94	109	>MDL	35	>MDL	84	48	100	16	27	>MDL	-	63	-
										1			1.0	1.0				1.0	1	1.0							1.0	1.0			1.0	1.0	1.0		1			1.0	
AMQ-ENV15-111	Duplicate of reject sample	IVR14-015	83	93	S9E	Iron Formation	8.1	33	88	0.060	3.0	1.0	0.40	0.15	< 0.00001	< 0.00002	0.015	0.93	0.0042	0.014	< 0.00007	< 0.00007	6.8	< 0.00003	0.000057	0.00032	0.00041	0.0090	6.5	0.000035	2.8	0.00010	0.00017	0.54	0.0011	< 0.003	0.00001	0.024	< 0.00004
AMQ-ENV-70		IVR14-015	83	93	S9E	Iron Formation	8.3	38	130	0.090	6.6	13	0.50	0.72	< 0.00001	< 0.00002	0.019	2.4	0.0051	0.026	< 0.00007	< 0.00007	7.5	< 0.00003	0.000024	0.00055	0.00019	< 0.007	17	0.0009898	4.3	0.00025	0.00034	1.1	######	0.0060	0.00001	0.036	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						1.6		14	39	<MDL	>MDL	>MDL	<MDL	131	-	-	21	89	20	60	-	-	11	-	81	53	73	-	90	<MDL	42	86	67	67	20	-	-	21	-
										1.0					1.0			1.0	1	1.0							1.0	1.0			1.0	1.0	1.0	1.0	1			1.0	
AMQ-ENV15-124	Duplicate of reject sample	IVR14-092	216	218	S9E	Iron Formation	9.7	55	159	0.12	5.0	3.0	3.3	1.6	< 0.00001	< 0.00002	0.018	4.7	0.020	0.048	< 0.00007	< 0.00007	4.6	< 0.00003	0.00014	0.0040	0.00070	0.044	26	0.00033	0.68	0.0011	0.00013	9.8	0.0019	< 0.003	######	0.018	0.00031
AMQ-ENV-647		IVR14-092	216	218	S9E	Iron Formation	9.4	67	173	0.30	< 2	5.0	8.4	1.7	< 0.00001	0.0000020	0.061	4.5	0.046	0.12	< 0.00007	< 0.00007	5.0	< 0.00003	0.00018	0.011	0.00022	0.072	30	0.00062	0.79	0.0018	0.00048	16	0.0201	0.014	######	0.029	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						3.5		20	8.4	>MDL	-	<MDL	87	10	-	-	109	5.7	99	85	-	-	42	-	27	91	>MDL	48	15	>MDL	15	49	134	46	10.0	-	>MDL	46	-
														1.0				1.0	1.0					1.0		1.0		1.0		1.0	1.0	1.0	1.0			1.0	1.0	
AMQ-ENV15-123	Duplicate of reject sample	IVR14-110	233	242	V4A-Ob	Komatiite South	8.9	67	157	0.090	3.0	1.0	0.60	0.28	< 0.00001	< 0.00002	0.018	1.5	0.083	0.017	< 0.00007	< 0.00007	6.2	< 0.00003	0.00012	0.00058	0.00018	0.080	28	0.00015	3.3	0.00050	0.00026	2.0	0.0018	< 0.003	######	0.011	0.00012
AMQ-ENV-68		IVR14-110	233	242	V4A-Ob	Komatiite South	9.2	66	154	0.24	2.1	2.7	2.2	0.60	< 0.00001	0.0000060	0.018	1.8	0.010	0.081	< 0.00007	< 0.00007	4.4	< 0.00003	0.00010	0.0029	0.00031	0.030	23	0.0012	1.8	0.00021	0.0016	12	######	0.013	######	0.019	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						3.8		1.5	1.9	>MDL	<MDL	<MDL	<MDL	73	-	-	0.55	16	157	130	-	-	34	-	14	133	53	>MDL	21	27	57	82	143	143	67	-	>MDL	54	-
															1.0					1.0	1.0						1.0				1.0	1.0	1.0	1.0	1.0			1.0	
AMQ-ENV15-086	Duplicate SFE Analysis	IVR14-016	130	140	S9E	Iron Formation	9.1	44	137	0.080	6.0	3.0	4.6	2.2	< 0.00001	0.000032	0.039	5.8	0.0099	0.018	< 0.00007	< 0.00007	4.7	< 0.00003	0.00017	0.0052	0.00019	0.040	30	0.00011	0.79	0.00082	0.00014	1.2	0.0017	0.0030	######	0.031	0.00029
AMQ-ENV-47		IVR14-016	130	140	S9E	Iron Formation	8.7	53	168	0.10	< 2	12	13	3.5	< 0.00001	0.0000020	0.041	7.1	0.0082	0.025	< 0.00007	< 0.00007	5.5	< 0.00003	0.000052	0.013	0.00012	0.0080	40	0.00090	1.8	0.00043	0.00024	1.6	0.0021	0.011	0.00001	0.053	< 0.001
	Number of Parameters exceeding RPD Criteria[3]:						4.5		19	20	<MDL	-	>MDL	95	48	-	<MDL	5.5	21	18	35	-	-	16	-	107	85	45	>MDL	30	>MDL	77	62	53	27	21	>MDL	-	54	-
										1			1.0	1.0				1			1					1.0	1.0	1.0		1		1.0	1.0	1.0	1	1		1.0	
AMQ-ENV15-009	Duplicate SFE Analysis	AMQ15-232	92	102	S10	Chert Central	7.9	38	143	0.10	23	1.0	< 0.2	< 0.03	< 0.00001	0.00019	0.055	0.17	0.0018	0.017	< 0.00007	0.0000045	9.7	< 0.00003	0.000059	< 0.00003	0.00012	0.027	8.9	0.0014	2.1	0.0054	0.0024	7.6	######	< 0.003	0.00001	0.0029	< 0.00004
AMQ-ENV15-009		AMQ15-232	92	102	S10	Chert Central	7.7	38	143	0.12	22	1.0	< 0.2	< 0.03	< 0.00001	0.0000090	0.088	0.12	0.0016	0.021	< 0.00007	0.000019	8.9	< 0.00003	0.000032	0.000040	0.00016	0.026	10	0.0015	2.3	0.0040	0.0036	9.1	######	< 0.003	0.00001	0.0030	0.00025
	Number of Parameters exceeding RPD Criteria[3]:						1.8		0	0	<MDL	4.4	<MDL	-	-	-	>MDL	46	33	6.5	23	-	>MDL	8.2	-	59	-	29	<MDL	13	5.7	8.5	29	37	18	<MDL	-	-	3.4	-

Appendix D-2
Field Cell QA/QC Results
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identication	Description	Date of Analysis	Rock Type (Model)	Rock Name (model)	Material	Trace Element Analysis																																
						Fluoride µg/g	Aluminum µg/g	Antimony µg/g	Arsenic µg/g	Barium µg/g	Beryllium µg/g	Bismuth µg/g	Boron µg/g	Calcium µg/g	Cadmium µg/g	Cobalt µg/g	Chromium µg/g	Copper µg/g	Iron µg/g	Lead µg/g	Lithium µg/g	Magnesium µg/g	Manganese µg/g	Mercury µg/g	Molybdenum µg/g	Nickel µg/g	Phosphorus µg/g	Potassium µg/g	Selenium µg/g	Silicon µg/g	Silver µg/g	Sodium µg/g	Strontium µg/g	Tin µg/g	Titanium µg/g	Thallium µg/g	Uranium µg/g	Vanadium µg/g
MDL[1]						1.0	1.0	0.80	0.50	0.010	0.020	0.090	1.0	1.0	0.020	0.010	0.50	0.10	0.30	0.050	2.0	0.10	0.10	0.050	0.10	0.10	3.0	0.30	0.70	3.0	0.010	1.0	0.020	0.50	0.10	0.020	0.0020	1.0
UM FC		Sep-16	V4A-0a/S9E/V4A-0b	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC	Duplicate	Sep-16	V4A-0a/S9E/V4A-0b	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC		Sep-17	V4A-0a/S9E/V4A-0b	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC	Duplicate	Sep-17	V4A-0a/S9E/V4A-0b	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC		Jun-17	V4A-0a/S9E/V4A-0b	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC	Duplicate	Jun-17	V4A-0a/S9E/V4A-0b	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC		Jun-17	V4A-0a/S9E/V4A-0b	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC	Duplicate	Jun-17	V4A-0a/S9E/V4A-0b	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF FC		Aug-16	S9E/V4A-0a	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF FC	Duplicate	Aug-16	S9E/V4A-0a	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF FC		Oct-17	S9E/V4A-0a	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV16-FieldCell-IF	Duplicate	Oct-17	S9E/V4A-0a	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	Port 2 - Day 1	Jan-16	-	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	Port 2 Day 1	Jan-16	-	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	Port 2 - Day 3	Jan-16	-	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	Port 2 Day 3	Jan-16	-	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	Port 2 - Day 6	Jan-16	-	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	Port 2 Day 6	Jan-16	-	Composite	Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whale Tail Lake	Lake water used for forced leach of IF FC and UM FC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whale Tail Lake		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whale Tail Lake		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whale Tail Lake		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand Filter		-	-	-	-	74	2900	< 0.8	1.8	11	0.15	0.11	2.0	1900	< 0.02	2.6	16	3.2	7800	0.69	3.0	2600	130	< 0.05	0.20	7.3	190	620	< 0.7	340	0.010	21	5.4	< 0.5	35	< 0.02	1.2	5.0
Sand Filter	Used at base of IF FC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
(1) MDL: Method detection limit
(2) The RPD (Relative Percent Difference) is calculated and reported for three separate conditions as per USEPA (1994). Parameters exceedances were only reported when *Condition 1* was met.

Condition 1: *An RPD is calculated only when both concentrations are greater or equal to five times the MDL. The control limit applied is an RPD of 35% for solid phase duplicated and 20% for liquid phase duplicates.*
1.0 The RPD is greater than the USEPA control limit

Condition 2: *When one or both samples are between the MDL and 5x the MDL, the control limit of the RPD is the MDL (i.e. the RPD is designated as either >MDL or <MDL). Therefore, the RPD screening criteria is inconclusive.*
>MDL The absolute difference between two sample values is >MDL value
<MDL The absolute difference between the two sample values is <MDL.

Condition 3:
- One or both values are below the MDL; evaluation is inconclusive.

NP = Net Potential, AP = Acid Potential, Net NP = Net Potential Ratio, wt% = weight percent

Appendix D-2
Field Cell QA/QC Results
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identication	Description	Date of Analysis	Rock Type (Model)	Rock Name (model)	Shake-Flask Extraction																																				
					Zinc	Final pH	pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead
					µg/g	no unit		mg/L as CaCO3	uS/cm	mg/L	mg/L	mg/L	mg/L	µg/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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MDL[1]					0.70	0	0.050	2.0	2.0	0.060	1.0	2.0	0.30	0.20	0.030	0.000010	0.000050	0.0010	0.00020	######	0.0020	0.0000070	########	0.010	0.0000030	######	0.000030	0.000020	####	0.0030	0.00010	0.0010	0.000010	0.000010	0.010	#####	0.0030	0.000010
UM FC		Sep-16	V4A-0a/S9E/V4A-0b	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC	Duplicate	Sep-16	V4A-0a/S9E/V4A-0b	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC		Sep-17	V4A-0a/S9E/V4A-0b	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC	Duplicate	Sep-17	V4A-0a/S9E/V4A-0b	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC		Jun-17	V4A-0a/S9E/V4A-0b	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC	Duplicate	Jun-17	V4A-0a/S9E/V4A-0b	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC		Jun-17	V4A-0a/S9E/V4A-0b	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UM FC	Duplicate	Jun-17	V4A-0a/S9E/V4A-0b	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF FC		Aug-16	S9E/V4A-0a	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF FC	Duplicate	Aug-16	S9E/V4A-0a	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF FC		Oct-17	S9E/V4A-0a	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV16-FieldCell-IF	Duplicate	Oct-17	S9E/V4A-0a	Composite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Parameters exceeding the RPD Criteria[2]:					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	Port 2 - Day 1	Jan-16	-	Composite	-	-	7.0	4.0	13	< 0.06	< 1	1.0	-	-	-	< 0.00001	0.000002	0.17	0.024	0.0031	0.0038	< 0.000007	0.000007	1.2	< 0.000003	0.00018	0.0080	0.00022	0.32	1.0	0.00038	0.42	0.015	0.00044	0.22	0.0032	< 0.003	0.000040
C8	Port 2 Day 1	Jan-16	-	Composite	-	-	7.0	5.0	14	< 0.06	< 1	1.0	-	-	-	< 0.00001	0.000002	0.15	0.019	0.0029	0.0019	< 0.000007	0.000007	1.2	< 0.000003	0.00014	0.0066	0.00019	0.28	0.95	0.00028	0.38	0.012	0.000070	0.19	0.0029	< 0.003	0.000040
Number of Parameters exceeding the RPD Criteria[2]:					-	-	**0.57**	**<MDL**	**7.4**	-	-	**<MDL**	-	-	-	-	-	**13**	**27**	**6.4**	**<MDL**	-	-	**2.6**	-	**25**	**19**	**15**	**15**	**7.7**	**<MDL**	**11**	**17**	**145**	**15**	**9.8**	-	**<MDL**
																			1							**1**									**1.0**					
C8	Port 2 - Day 3	Jan-16	-	Composite	-	-	7.2	12	17	< 0.06	< 1	1.0	-	-	-	< 0.00001	0.000002	0.077	0.065	0.0038	0.013	< 0.000007	0.000007	1.7	0.000010	0.00013	0.0033	0.00010	0.38	1.6	0.00030	0.37	0.011	0.00030	0.26	0.0018	< 0.003	0.00026
C8	Port 2 Day 3	Jan-16	-	Composite	-	-	7.2	5.0	16	< 0.06	< 1	0	-	-	-	< 0.00001	0.000002	0.078	0.059	0.0038	0.0072	< 0.000007	0.000007	1.6	0.0000040	0.00013	0.0035	0.00011	0.25	1.6	0.00027	0.37	0.011	0.00018	0.25	0.0019	< 0.003	0.00013
Number of Parameters exceeding the RPD Criteria[2]:					-	-	**0.14**	**>MDL**	**6.1**	-	-	**<MDL**	-	-	-	-	-	**1.3**	**10**	**1.3**	**>MDL**	-	-	**3.6**	**>MDL**	**0.78**	**4.4**	**9.5**	**42**	**1.3**	**<MDL**	**0.82**	**3.7**	**50**	**3.9**	**5.4**	-	**67**
																												1.0											**1.0**
C8	Port 2 - Day 6	Jan-16	-	Composite	-	-	7.3	8.0	25	< 0.06	< 1	2.0	-	-	-	< 0.00001	0.000002	0.049	0.14	0.0044	0.0036	< 0.000007	0.000007	2.0	< 0.000003	######	0.0017	0.00016	0.13	2.4	0.00026	0.43	0.0082	0.000090	0.34	0.0014	< 0.003	0.000060
C8	Port 2 Day 6	Jan-16	-	Composite	-	-	7.3	7.0	22	< 0.06	< 1	2.0	-	-	-	< 0.00001	0.000002	0.052	0.14	0.0044	0.0035	< 0.000007	0.000007	2.0	< 0.000003	0.00010	0.0019	0.00023	0.12	2.4	0.00026	0.44	0.0085	0.000090	0.34	0.0015	< 0.003	0.000060
Number of Parameters exceeding the RPD Criteria[2]:					-	-	**0.14**	**<MDL**	**13**	-	-	**<MDL**	-	-	-	-	-	**5.9**	**0**	**1.1**	**<MDL**	-	-	**0.50**	-	**4.0**	**12**	**36**	**4.9**	**1.7**	**<MDL**	**2.3**	**3.5**	**0**	**0**	**6.9**	-	**0**
																												1.0											
Whale Tail Lake	Lake water used for forced leach of IF FC and UM FC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whale Tail Lake		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whale Tail Lake		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whale Tail Lake		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand Filter		-	-	-	980	9.1	8.2	22	52	0.14	1.0	3.0	< 3	< 0.2	< 0.03	< 0.00001	< 0.00005	0.67	0.0065	0.0074	0.016	0.000016	########	4.4	0.0000040	0.00012	0.00059	0.0011	0.14	3.2	0.0016	0.89	0.0062	0.0019	1.5	#####	0.040	0.00019
Sand Filter	Used at base of IF FC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
(1) MDL: Method detection limit
(2) The RPD (Relative Percent Difference) is calculated and reported for three separate conditions as per USEPA (1994) exceedances were only reported when *Condition 1* was met.

Condition 1: *An RPD is calculated only when both concentrations are greater or equal to five time control limit applied is an RPD of 35% for solid phase duplicated and 20% for liquid p. duplicates.*
1.0 The RPD is greater than the USEPA control limit

Condition 2: *When one or both samples are between the MDL and 5x the MDL, the control limit of MDL (i.e. the RPD is designated as either >MDL or <MDL). Therefore, the RPD screeni inconclusive.*
>MDL The absolute difference between two sample values is >MDL v
<MDL The absolute difference between the two sample values is <MI

Condition 3:
- One or both values are below the MDL; evaluation is inconclus

NP = Net Potential, AP = Acid Potential, Net NP = Net Potential Ratio, wt% = weight percent

Appendix D-2
Field Cell QA/QC Results
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

					pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Mercury	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Potassium
																								Leachate Chemistry	
Sample Identication	Description	Date of Analysis	Rock Type (Model)	Rock Name (model)	pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Mercury (dissolved)	Silver (dissolved)	Aluminum (dissolved)	Arsenic (dissolved)	Barium (dissolved)	Beryllium (dissolved)	Boron (dissolved)	Bismuth (dissolved)	Calcium (dissolved)	Cadmium (dissolved)	Cobalt (dissolved)	Chromium (dissolved)	Copper (dissolved)	Iron (dissolved)	Potassium (dissolved)
					no unit	mg/L as $CaCO_3$	µS/cm	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	mg/L	mg/L	mg/L	mg/L
		MDL[1]			0.050	2.0	2.0	0.060	1.0	2.0	0.000010	0.000050	0.0010	0.00020	0.000020	0.0000070	0.0020	0.0000070	0.010	0.0000030	0.0000040	0.000030	0.000020	0.0070	0.0030
UM FC		Sep-16	V4A-0a/S9E/V4A-0b	Composite	8.1	96	516	0.20	48	69	-	-	0.0030	14	0.065	< 0.000007	0.25	< 0.000007	24	0.000032	0.0046	0.00087	0.0013	< 0.007	35
UM FC	Duplicate	Sep-16	V4A-0a/S9E/V4A-0b	Composite	8.1	97	512	0.20	47	69	-	-	0.0070	14	0.065	< 0.000007	0.27	< 0.000007	25	0.000037	0.0047	0.0011	0.0013	< 0.007	36
	Number of Parameters exceeding the RPD Criteria[2]:				**0.49**	**1.0**	**0.78**	**<MDL**	**2.1**	**0**	-	-	**>MDL**	**0.72**	**0.77**	-	**5.7**	-	**3.2**	**14**	**2.8**	**25**	**1.5**	-	**3.4**
UM FC		Sep-17	V4A-0a/S9E/V4A-0b	Composite	8.0	68	281	0.15	13	42	-	-	0.0060	7.4	0.044	< 0.000007	0.12	< 0.000007	18	< 0.000003	0.00057	0.0011	0.0074	0.057	29
UM FC	Duplicate	Sep-17	V4A-0a/S9E/V4A-0b	Composite	8.0	75	284	0.15	13	42	-	-	0.0050	7.2	0.043	< 0.000007	0.12	< 0.000007	18	< 0.000003	0.00061	0.00092	0.0076	0.046	30
	Number of Parameters exceeding the RPD Criteria[2]:				**0.50**	**9.8**	**1.1**	**<MDL**	**0**	**0**	-	-	**18**	**3.0**	**2.5**	-	**0.87**	-	**1.1**	-	**6.3**	**16**	**2.1**	**21**	**1.0**
UM FC		Jun-17	V4A-0a/S9E/V4A-0b	Composite	8.2	113	329	0.16	6.0	29	< 0.00001	< 0.00005	0.0070	12	0.043	< 0.000007	0.16	< 0.000007	16	0.000014	0.0022	0.00097	0.00091	< 0.007	34
UM FC	Duplicate	Jun-17	V4A-0a/S9E/V4A-0b	Composite	8.2	120	331	0.15	6.0	29	< 0.00001	< 0.00005	0.0080	12	0.044	< 0.000007	0.14	< 0.000007	14	0.000016	0.0022	0.00099	0.00072	0.0070	33
	Number of Parameters exceeding the RPD Criteria[2]:				**0.25**	**6.0**	**0.61**	**<MDL**	**0**	**0**	-	-	**13**	**1.7**	**2.5**	-	**10**	-	**14**	**<MDL**	**1.4**	**2.0**	**23**	-	**3.2**
UM FC		Jun-17	V4A-0a/S9E/V4A-0b	Composite	8.4	44	138	0.090	8.0	8.0	< 0.00001	< 0.00005	0.031	4.4	0.022	< 0.000007	0.047	< 0.000007	6.4	< 0.000003	0.00067	0.0017	0.00097	0.035	13
UM FC	Duplicate	Jun-17	V4A-0a/S9E/V4A-0b	Composite	8.5	42	139	0.10	8.0	8.0	< 0.00001	< 0.00005	0.033	4.5	0.022	< 0.000007	0.049	< 0.000007	7.2	0.000020	0.00067	0.0019	0.0012	0.039	14
	Number of Parameters exceeding the RPD Criteria[2]:				**1.2**	**4.7**	**0.72**	**<MDL**	**0**	**<MDL**	-	-	**6.3**	**2.5**	**1.4**	-	**4.2**	-	**11**	-	**0**	**7.7**	**17**	**11**	**3.7**
IF FC		Aug-16	S9E/V4A-0a	Composite	8.5	68	261	0.19	16	44	-	-	0.11	1.4	0.015	< 0.000007	0.077	< 0.000007	14	0.0000050	0.00072	0.0048	0.00086	0.14	32
IF FC	Duplicate	Aug-16	S9E/V4A-0a	Composite	8.5	68	267	0.16	16	45	-	-	0.13	1.4	0.015	< 0.000007	0.079	0.0000070	14	< 0.000003	0.00075	0.0055	0.0013	0.17	33
	Number of Parameters exceeding the RPD Criteria[2]:				**0.12**	**0**	**2.3**	**<MDL**	**0**	**2.2**	-	-	**13**	**3.5**	**1.3**	-	**2.6**	-	**5.0**	-	**4.4**	**13**	**43**	**21**	**3.7**
IF FC		Oct-17	S9E/V4A-0a	Composite	7.5	27	556	0.070	16	220	-	-	0.030	4.4	0.041	< 0.000007	0.067	< 0.000007	67	0.0000070	0.0044	0.00096	0.0012	0.049	31
AMQ-ENV16-FieldCell-IF	Duplicate	Oct-17	S9E/V4A-0a	Composite	7.6	32	552	0.070	16	220	-	-	0.010	4.4	0.040	< 0.000007	0.051	< 0.000007	68	0.0000030	0.0045	0.00093	0.00086	0.014	32
	Number of Parameters exceeding the RPD Criteria[2]:				**2.0**	**17**	**0.72**	**<MDL**	**0**	**0**	-	-	**100**	**0.45**	**3.4**	-	**27**	-	**1.3**	**>MDL**	**1.3**	**3.2**	**33**	**>MDL**	**2.2**
													1.0										**1.0**		
C8	Port 2 - Day 1	Jan-16	-	Composite	7.0	4.0	13	< 0.06	< 1	1.0	< 0.00001	< 0.000002	0.0070	0.023	0.0021	< 0.000007	0.0031	< 0.000007	1.1	< 0.000003	< 0.000004	< 0.00003	< 0.00002	< 0.007	0.92
C8	Port 2 Day 1	Jan-16	-	Composite	7.0	5.0	14	< 0.06	< 1	1.0	< 0.00001	< 0.000002	0.0090	0.020	0.0021	< 0.000007	0.0013	< 0.000007	1.1	< 0.000003	< 0.000004	0.000030	0.000030	< 0.007	0.92
	Number of Parameters exceeding the RPD Criteria[2]:				**7.4**	-	-	**<MDL**	-	-	-	-	**25**	**16**	**1.4**	-	**<MDL**	-	**0.92**	-	-	-	-	-	**0.11**
C8	Port 2 - Day 3	Jan-16	-	Composite	7.2	12	17	< 0.06	< 1	1.0	< 0.00001	< 0.000002	0.013	0.070	0.0032	< 0.000007	0.0068	< 0.000007	1.6	0.0000030	0.000033	0.000030	< 0.00002	< 0.007	1.6
C8	Port 2 Day 3	Jan-16	-	Composite	7.2	16	< 0.06	< 1	0	< 0.00001	< 0.000002	0.012	0.065	0.0031	< 0.000007	0.0042	< 0.000007	1.5	< 0.000003	0.000052	< 0.00003	< 0.00002	< 0.007	1.6
	Number of Parameters exceeding the RPD Criteria[2]:				**0.14**	**>MDL**	**6.1**	-	-	**<MDL**	-	-	**8.0**	**8.4**	**3.5**	-	**>MDL**	-	**3.2**	-	**45**	-	-	-	**1.3**
																					1.0				
C8	Port 2 - Day 6	Jan-16	-	Composite	7.3	8.0	25	< 0.06	< 1	2.0	< 0.00001	< 0.000002	0.013	0.16	0.0041	< 0.000007	0.0066	< 0.000007	1.9	< 0.000003	0.000035	< 0.00003	0.00012	< 0.007	2.3
C8	Port 2 Day 6	Jan-16	-	Composite	7.3	7.0	22	< 0.06	< 1	2.0	< 0.00001	< 0.000002	0.013	0.15	0.0039	< 0.000007	0.0041	< 0.000007	1.8	< 0.000003	0.000038	< 0.00003	0.00023	< 0.007	2.2
	Number of Parameters exceeding the RPD Criteria[2]:				**0.14**	**<MDL**	**13**	-	-	**<MDL**	-	-	**0**	**6.5**	**4.3**	-	**>MDL**	-	**5.9**	-	**8.2**	-	**63**	-	**5.3**
																							1.0		
Whale Tail Lake	Lake water used for forced leach of IF FC and UM FC	-	-	-	6.9	6.0	18	< 0.06	1.0	1.0	-	-	0.0080	0.00030	0.0021	< 0.000007	< 0.002	< 0.000007	1.3	< 0.000003	0.000016	0.00037	0.00080	0.056	0.38
Whale Tail Lake		-	-	-	6.9	3.0	41	0.060	8.0	< 2	-	-	0.0030	0.00020	0.0072	< 0.000007	< 0.002	< 0.000007	4.5	< 0.000003	< 0.000004	0.00085	0.0033	< 0.007	0.57
Whale Tail Lake		-	-	-	6.8	4.0	41	< 0.06	7.0	< 2	< 0.00001	0.00011	0.015	0.00020	0.0090	< 0.000007	< 0.002	< 0.000007	4.0	0.0000050	0.00011	0.00073	0.00055	0.033	0.53
Whale Tail Lake		-	-	-	6.8	4.0	48	< 0.06	10	2.0	-	-	0.0060	0.00030	0.016	< 0.000007	0.026	< 0.000007	7.9	0.0000060	0.00014	0.00084	0.00038	0.025	0.75
Sand Filter		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand Filter	Used at base of IF FC	-	-	-	7.4	7.0	55	0.060	8.0	5.0	-	-	3.6	0.0083	0.030	0.00021	0.029	0.000034	6.2	0.0000080	0.0013	0.0054	0.0020	1.7	3.2

Notes:
(1) MDL: Method detection limit
(2) The RPD (Relative Percent Difference) is calculated and reported for three separate conditions as per USEPA (1994) exceedances were only reported when *Condition 1* was met.

Condition 1: *An RPD is calculated only when both concentrations are greater or equal to five time control limit applied is an RPD of 35% for solid phase duplicated and 20% for liquid p duplicates.*
1.0 The RPD is greater than the USEPA control limit

Condition 2: *When one or both samples are between the MDL and 5x the MDL, the control limit of MDL (i.e. the RPD is designated as either >MDL or <MDL). Therefore, the RPD screeni inconclusive.*
>MDL The absolute difference between two sample values is >MDL v
<MDL The absolute difference between the two sample values is <MI

Condition 3:
- One or both values are below the MDL; evaluation is inconclus

NP = Net Potential, AP = Acid Potential, Net NP = Net Potential Ratio, wt% = weight percent

Appendix D-2
Field Cell QA/QC Results
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

					Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Identication	**Description**	**Date of Analysis**	**Rock Type (Model)**	**Rock Name (model)**	**Lithium (dissolved)**	**Magnesium (dissolved)**	**Manganese (dissolved)**	**Molybdenum (dissolved)**	**Sodium (dissolved)**	**Nickel (dissolved)**	**Phosphorus (dissolved)**	**Lead (dissolved)**	**Antimony (dissolved)**	**Selenium (dissolved)**	**Silicon (dissolved)**	**Tin (dissolved)**	**Strontium (dissolved)**	**Titanium (dissolved)**	**Thallium (dissolved)**	**Uranium (dissolved)**	**Vanadium (dissolved)**	**Zinc (dissolved)**
					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	mg/L	mg/L	mg/L	mg/L
MDL[1]					**0.00010**	**0.0010**	**0.000010**	**0.000010**	**0.010**	**0.00010**	**0.0030**	**0.000010**	**0.00020**	**0.000040**	**0.020**	**0.000010**	**0.000020**	**0.000050**	**0.0000050**	**0.0000020**	**0.000010**	**0.0020**
UM FC		Sep-16	V4A-0a/S9E/V4A-0b	Composite	0.0055	12	0.027	0.0072	43	0.12	0.0050	0.00051	0.19	0.0020	-	0.000050	0.33	0.00015	0.000052	0.0065	0.022	0.0040
UM FC	Duplicate	Sep-16	V4A-0a/S9E/V4A-0b	Composite	0.0056	13	0.028	0.0072	44	0.13	0.0040	0.00051	0.19	0.0021	-	0.000040	0.34	0.00030	0.000051	0.0064	0.022	0.0070
Number of Parameters exceeding the RPD Criteria[2]:					**1.8**	**4.0**	**2.5**	**0.55**	**2.5**	**3.3**	**<MDL**	**0**	**2.6**	**4.8**	-	**<MDL**	**0.60**	**>MDL**	**1.9**	**0.46**	**0.45**	**>MDL**
UM FC		Sep-17	V4A-0a/S9E/V4A-0b	Composite	0.0057	6.9	0.0038	0.0017	14	0.014	0.0060	0.00029	0.077	0.00056	-	0.0033	0.20	0.00018	0.000044	0.0022	0.026	0.053
UM FC	Duplicate	Sep-17	V4A-0a/S9E/V4A-0b	Composite	0.0056	6.9	0.0040	0.0017	15	0.014	0.0080	0.00025	0.078	0.00057	-	0.0033	0.21	0.00021	0.000040	0.0021	0.026	0.053
Number of Parameters exceeding the RPD Criteria[2]:					**1.8**	**0.87**	**6.7**	**3.0**	**2.1**	**1.5**	**<MDL**	**15**	**1.7**	**1.8**	-	**0.61**	**0.98**	**<MDL**	**9.5**	**4.2**	**0.39**	**0**
UM FC		Jun-17	V4A-0a/S9E/V4A-0b	Composite	0.0054	7.6	0.021	0.0022	25	0.056	0.0040	-	0.12	0.0010	-	0.00016	0.24	0.00028	0.000063	0.0065	0.023	0.0040
UM FC	Duplicate	Jun-17	V4A-0a/S9E/V4A-0b	Composite	0.0050	7.8	0.020	0.0021	26	0.056	0.0040	-	0.12	0.00095	-	0.000060	0.23	0.00023	0.000044	0.0057	0.022	0.0030
Number of Parameters exceeding the RPD Criteria[2]:					**7.7**	**2.2**	**2.9**	**4.6**	**3.2**	**0.54**	**<MDL**	**-**	**2.5**	**5.1**	-	**91**	**2.6**	**<MDL**	**36**	**13**	**3.9**	**<MDL**
																1.0			**1.0**			
UM FC		Jun-17	V4A-0a/S9E/V4A-0b	Composite	0.0025	2.9	0.0075	0.00050	9.3	0.015	0.016	-	0.040	0.00042	-	0.00049	0.074	0.0011	0.000033	0.00096	0.019	0.0040
UM FC	Duplicate	Jun-17	V4A-0a/S9E/V4A-0b	Composite	0.0025	2.8	0.0076	0.00055	9.1	0.016	0.015	-	0.041	0.00047	-	0.00068	0.076	0.0015	0.000035	0.00096	0.020	0.0060
Number of Parameters exceeding the RPD Criteria[2]:					**0**	**2.1**	**0.79**	**9.5**	**2.4**	**2.6**	**6.5**	**-**	**2.0**	**11**	-	**32**	**2.0**	**29**	**5.9**	**0.10**	**0.51**	**<MDL**
IF FC		Aug-16	S9E/V4A-0a	Composite	0.0097	5.9	0.017	0.00089	10	0.049	0.0080	0.00016	0.056	0.00098	-	0.00010	0.094	0.0030	0.000016	0.00015	0.0069	< 0.002
IF FC	Duplicate	Aug-16	S9E/V4A-0a	Composite	0.011	6.0	0.018	0.00092	11	0.049	0.012	0.00017	0.064	0.0011	-	0.00013	0.094	0.0032	0.000015	0.00013	0.0071	0.0030
Number of Parameters exceeding the RPD Criteria[2]:					**12**	**2.0**	**8.0**	**3.3**	**3.8**	**0.21**	**>MDL**	**6.1**	**13**	**8.8**	-	**26**	**0.32**	**5.8**	**<MDL**	**13**	**3.3**	-
IF FC		Oct-17	S9E/V4A-0a	Composite	0.0066	14	0.087	0.0035	11	0.19	0.0040	0.000090	0.077	0.00032	-	0.00067	0.29	0.00054	0.0000050	0.0037	0.0024	0.0070
AMQ-ENV16-FieldCell-IF	Duplicate	Oct-17	S9E/V4A-0a	Composite	0.0063	13	0.088	0.0036	11	0.19	< 0.003	0.000060	0.074	0.00031	-	0.00031	0.29	0.00023	0.0000050	0.0038	0.0023	0.0030
Number of Parameters exceeding the RPD Criteria[2]:					**4.7**	**3.7**	**0.46**	**1.4**	**0.90**	**0.54**	**-**	**40**	**4.0**	**3.2**	-	**73**	**0**	**>MDL**	**<MDL**	**1.1**	**7.3**	**>MDL**
												1.0				**1.0**						
C8	Port 2 - Day 1	Jan-16	-	Composite	0.00026	0.16	0.0049	0.00056	0.15	0.00040	< 0.003	< 0.00001	0.00070	0.000060	0.090	< 0.00001	-	< 0.00005	< 0.000005	0.0000050	0.00037	< 0.002
C8	Port 2 Day 1	Jan-16	-	Composite	0.00015	0.16	0.0051	0.000040	0.15	0.00040	< 0.003	< 0.00001	0.00060	< 0.00004	0.080	< 0.00001	-	0.000060	< 0.000005	0.0000030	0.00036	< 0.002
Number of Parameters exceeding the RPD Criteria[2]:					**>MDL**	**1.9**	**3.6**	**>MDL**	**0**	**<MDL**	**-**	**-**	**<MDL**	**-**	**<MDL**	**-**	**-**	**-**	**-**	**<MDL**	**2.7**	**-**
C8	Port 2 - Day 3	Jan-16	-	Composite	0.00021	0.26	0.0062	0.00041	0.25	0.00050	< 0.003	0.000050	0.0018	0.00082	0.17	< 0.00001	-	< 0.00005	< 0.000005	0.000010	0.00064	< 0.002
C8	Port 2 Day 3	Jan-16	-	Composite	0.00020	0.26	0.0063	0.00022	0.24	0.00050	< 0.003	0.000050	0.0015	0.00050	0.16	0.000020	-	< 0.00005	< 0.000005	0.0000040	0.00064	< 0.002
Number of Parameters exceeding the RPD Criteria[2]:					**<MDL**	**1.9**	**2.1**	**60**	**4.1**	**0**	**-**	**0**	**18**	**48**	**6.1**	**-**	**-**	**-**	**-**	**>MDL**	**0**	**-**
								1.0						**1.0**								
C8	Port 2 - Day 6	Jan-16	-	Composite	0.00023	0.36	0.0055	0.00017	0.33	0.00060	< 0.003	0.000030	0.0016	0.00014	0.33	< 0.00001	-	< 0.00005	< 0.000005	0.000012	0.0012	< 0.002
C8	Port 2 Day 6	Jan-16	-	Composite	0.00020	0.35	0.0054	0.00011	0.32	0.00060	< 0.003	0.000030	0.0014	0.00011	0.30	< 0.00001	-	0.000070	< 0.000005	0.000010	0.0012	< 0.002
Number of Parameters exceeding the RPD Criteria[2]:					**<MDL**	**4.0**	**1.1**	**43**	**3.1**	**0**	**-**	**<MDL**	**13**	**<MDL**	**9.5**	**-**	**-**	**-**	**-**	**18**	**5.8**	**-**
								1.0														
Whale Tail Lake	Lake water used for forced leach of IF FC and UM FC	-	-	-	0.00025	0.68	0.0031	0.000090	0.65	0.00030	< 0.003	0.000030	< 0.0002	< 0.00004	-	0.00015	0.0063	< 0.00005	< 0.000005	0.000051	0.000020	0.0060
Whale Tail Lake		-	-	-	0.0012	1.0	0.0024	< 0.00001	0.67	0.00070	0.0080	0.00012	0.00030	< 0.00004	-	0.0013	0.035	0.000050	< 0.000005	0.000067	0.000020	0.0040
Whale Tail Lake		-	-	-	0.0013	1.1	0.019	0.000040	0.68	0.0016	0.0090	-	< 0.0002	< 0.00004	-	0.00019	0.034	0.00019	< 0.000005	0.000045	0.000020	0.0080
Whale Tail Lake		-	-	-	0.0016	1.9	0.050	0.00010	0.88	0.0020	< 0.003	0.000020	0.00020	< 0.00004	-	0.000030	0.062	0.00018	< 0.000005	0.000060	0.000030	0.0020
Sand Filter		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand Filter	Used at base of IF FC	-	-	-	0.0054	2.5	0.065	0.00088	1.1	0.0060	0.025	0.00085	0.00030	< 0.00004	-	< 0.00001	0.035	0.035	0.000021	0.00046	0.0023	0.0050

Notes:
(1) MDL: Method detection limit
(2) The RPD (Relative Percent Difference) is calculated and reported for three separate conditions as per USEPA (1994) exceedances were only reported when *Condition 1* was met.

Condition 1: *An RPD is calculated only when both concentrations are greater or equal to five time control limit applied is an RPD of 35% for solid phase duplicated and 20% for liquid p duplicates.*
1.0 The RPD is greater than the USEPA control limit

Condition 2: *When one or both samples are between the MDL and 5x the MDL, the control limit of MDL (i.e. the RPD is designated as either >MDL or <MDL). Therefore, the RPD screeni inconclusive.*
>MDL The absolute difference between two sample values is >MDL v
<MDL The absolute difference between the two sample values is <MI

Condition 3:
- One or both values are below the MDL; evaluation is inconclus

NP = Net Potential, AP = Acid Potential, Net NP = Net Potential Ratio, wt% = weight percent

Appendix D-3
Mineralogy QA/QC Results
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Mineral Group Mineral name	Mineral Formula	AMQ-ENV15-008	AMQ-ENV15-008 Dup	RPD	AMQ-ENV15-025	AMQ-ENV15-025 Dup	RPD	AMQ-ENV15-107	AMQ-ENV15-107 Dup	RPD
	Units	wt%		%	wt%		%	wt%		%
	Rock Name (MODEL)	Chert Central (S10)						Greywacke Central (S3C)		
	Deposit Location[1]	WT-PIT								
Carbonates										
Siderite	$FeCO_3$	-	-	-	-	-	-	-	-	-
Calcite	$CaCO_3$	1.0	0.83	**22%**	6.5	6.5	**0%**	1.2	1.0	**13%**
Ankerite	$CaFe(CO_3)_2$	-	-	-	-	-	-	-	-	-
Dolomite	$CaMg(CO_3)_2$	-	-	-	-	-	-	-	-	-
Silicates										
Quartz	SiO_2	73	73	**0%**	53	51	**3.5%**	32	33	**3%**
Chlorite	$(Fe_4(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$	6.1	6.2	**0%**	1.7	2.7	**47%**	10	9.8	**3%**
Magnesiohornblende	$Ca_2[Mg_4(Al,Fe^{3+})]Si_7AlO_{22}(OH)_2$	-	-	-	2.4	2.5	**3.1%**	-	-	-
Talc	$Mg_3Si_4O_{10}(OH)_2$	-	-	-	0.84	0.99	**16%**	-	-	-
Phlogopite	$KMg_3(AlSi_3O_{10})(OH)$	-	-	-	2.7	1.8	**42%**	-	-	-
Albite	$NaAlSi_3O_8$	1.5	1.2	**24%**	-	-	-	28	27	**5%**
Biotite	$K(Mg,Fe)_3(AlSi_3O_{10})(OH)_2$	-	-	-	2.7	3.5	**27%**	6.0	5.9	**2%**
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$	2.9	3.1	**10%**	-	-	-	21	22	**3%**
Almandine	$Fe_3Al_2Si_3O_{12}$	3.9	3.9	**0%**	2.0	2.5	**25%**	-	-	-
Cummingtonite	$(Mg,Fe)_7Si_8O_{22}(OH)_2$	3.2	3.5	**10%**	15	15	**2%**	-	-	-
Actinolite	$Ca_2(Mg,Fe)_5Si_8O_{22}(OH)_2$	1.8	1.9	**4.4%**	-	-	-	-	-	-
Richterite	$Na(CaNa)(Mg,Fe^{2+})_5[Si_8O_{22}](OH)_2$	-	-	-	-	-	-	-	-	-
Orthoclase	$KAlSi_3O_8$	-	-	-	-	-	-	1.5	1.8	**17%**
Stilpnomelane	$K_5Fe_{48}[Si_{63}Al_9]O_{168}(OH)_{48}{\cdot}12H_2O$	0.68	0.85	**22%**	6.4	6.3	**2.3%**	-	-	-
Diopside	$CaMgSi_2O_6$	-	-	-	3.5	3.5	**1.3%**	-	-	-
Anorthite	$CaAl_2Si_2O_8$	-	-	-	-	-	-	-	-	-
Microcline	$KAlSi_3O_8$	-	-	-	-	-	-	-	-	-
Hornblende	$(Ca,Na)_{2-3}(Mg,Fe,Al)_5Si_6(Si,Al)_2O_{22}(OH)_2$	-	-	-	-	-	-	-	-	-
Sulphides										
Pyrite	FeS_2	-	-	-	-	-	-	-	-	-
Pyrrhotite	$Fe_{(1-x)}S$	5.6	5.6	**0%**	3.7	3.7	**0.8%**	-	-	-
Sphalerite	ZnS	-	-	-	-	-	-	-	-	-
Other										
Magnetite	Fe_3O_4	-	-	-	-	-	-	-	-	-
Rutile	TiO_2	-	-	-	-	-	-	-	-	-
TOTAL		**100**	**100**	-	**100**	**100**	-	**100**	**100**	-
Number of Parameters exceeding Criteria:			**3**			**4**			**0**	

Note:
(1) Deposit location is WT-Pit (Whale Tail Pit), WT-UG (Whale Tail Underground) or IVR (IVR Pit).
wt% = weight percent
Relative Percent Difference (RPD) was calculated by the absolute value of the change in value (e.g. value x - duplicate value y), divided by the average of the 2 numbers (e.g. average(x,y), all multiplied by 100.

1.0	Sum of parameters that exceed the RPD Criteria
0.1	RPD Criteria for XRD with Rietveld Refinement has been assigned 35%; however analytical precision is correlated to crystallinity of mineral phases, i.e. high RPD may be due to the presence of amorphous structure.

APPENDIX E

Overburden Static Test Results: Tables and Figures

Appendix E-1
Acid-Base Accounting Test Results
Overburden and Sediment
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	ABA - Calculated Values[3]				ARD Potential[4]	ABA - Laboratory Reported						
			Carbonate	CaNP	AP	CaNPR	CaNPR	Paste pH	NP (Siderite Corrected)	Net NP	Sulphur (total)	Acid Leachable SO_4-S	Sulphide	Carbon (total)
			%	t $CaCO_3$/1000 t		ratio		s.u.	t $CaCO_3$/1000 t		%			%C
WTN-1	North Basin of Whale Tail Lake	Lake Sediment	0.025	0.42	2.2	0.19	PAG	-	-5.0	-7.2	0.14	0.070	0.070	4.2
WTN-2	North Basin of Whale Tail Lake	Lake Sediment	0.040	0.67	1.9	0.36	PAG	-	-4.1	-6.0	0.15	0.090	0.060	4.2
WTN-3	North Basin of Whale Tail Lake	Lake Sediment	0.025	0.42	0.94	0.44	PAG	-	-3.2	-4.1	0.14	0.11	0.030	4.0
WTN-4	North Basin of Whale Tail Lake	Lake Sediment	0.025	0.42	1.3	0.33	PAG	-	-4.3	-5.6	0.16	0.12	0.040	4.4
WTN-5	North Basin of Whale Tail Lake	Lake Sediment	0.025	0.42	1.3	0.33	PAG	-	-5.5	-6.8	0.17	0.13	0.040	4.4
AMQ-ENV15-116	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	6.2	2.3	2.0	< 0.005	< 0.01	< 0.01	1.0
AMQ-ENV15-117	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	7.2	5.8	5.5	< 0.005	< 0.01	< 0.01	0.36
AMQ-ENV15-118	Whale Tail Pit	Surface Overburden	0.055	0.92	0.16	5.9	NPAG	7.1	8.4	8.1	< 0.005	< 0.01	< 0.01	0.58
AMQ-ENV15-119	Whale Tail Pit	Surface Overburden	0.030	0.50	0.16	3.2	NPAG	7.5	5.8	5.5	< 0.005	< 0.01	< 0.01	0.51
AMQ-ENV15-125	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	7.4	4.9	4.6	< 0.005	< 0.01	< 0.01	0.53
AMQ-ENV15-126	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	8.5	6.1	5.8	< 0.005	< 0.01	< 0.01	0.11
AMQ-ENV15-127	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	8.5	6.5	6.2	< 0.005	< 0.01	< 0.01	0.18
AMQ-ENV15-128	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	8.1	5.5	5.2	< 0.005	< 0.01	< 0.01	0.25
AMQ-ENV15-129	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	7.2	4.1	3.8	< 0.005	< 0.01	< 0.01	0.65
AMQ-ENV15-130	Whale Tail Pit	Surface Overburden	0.035	0.58	0.16	3.7	NPAG	6.2	2.2	1.9	< 0.005	< 0.01	< 0.01	1.8
AMQ-ENV15-131	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	7.1	3.3	3.0	< 0.005	< 0.01	< 0.01	0.37
AMQ-ENV15-132	Whale Tail Pit	Surface Overburden	0.025	0.42	0.16	2.7	NPAG	7.7	3.7	3.4	< 0.005	< 0.01	< 0.01	0.11
AMQ17-1393 Quarry 2-1	Starter Pit	Deep Overburden	0.025	0.42	0.16	2.7	NPAG	9.0	13	12	0.0090	< 0.02	< 0.02	0.075
AMQ17-1393 Quarry 2-2	Starter Pit	Deep Overburden	0.075	1.3	0.16	8.0	NPAG	8.5	15	14	0.012	< 0.02	< 0.02	0.065
AMQ17-1393 Quarry 2-3	Starter Pit	Deep Overburden	0.030	0.50	0.16	3.2	NPAG	8.8	16	15	0.010	< 0.02	< 0.02	0.053
AMQ17-1393 Quarry 2-4	Starter Pit	Deep Overburden	0.35	5.8	0.63	9.3	NPAG	9.4	21	20	0.042	0.020	0.020	0.11
AMQ17-1245 CR-01	Quarry 1	Deep Overburden	0.025	0.42	0.16	2.7	NPAG	7.7	20	19	< 0.005	< 0.02	< 0.02	0.047
AMQ17-1245 CR-02	Quarry 1	Deep Overburden	0.025	0.42	0.16	2.7	NPAG	7.6	17	16	< 0.005	< 0.02	< 0.02	0.044
AMQ17-1245 CR-03	Quarry 1	Deep Overburden	0.060	1.0	0.16	6.4	NPAG	8.0	27	26	0.020	0.020	< 0.02	0.082
AMQ17-1245 CR-04	Quarry 1	Deep Overburden	0.025	0.42	0.63	0.67	PAG	8.3	28	27	0.033	< 0.02	0.020	0.041
AMQ17-1245 CR-05	Quarry 1	Deep Overburden	0.14	2.3	0.16	15	NPAG	7.9	31	30	0.0050	< 0.02	< 0.02	0.16
AMQ17-1245 CR-06	Quarry 1	Deep Overburden	0.28	4.6	0.16	29	NPAG	7.6	33	32	< 0.005	< 0.02	< 0.02	0.13
AMQ17-1254 CR-01	Quarry 1	Deep Overburden	0.030	0.50	0.16	3.2	NPAG	7.2	22	21	< 0.005	< 0.02	< 0.02	0.13
AMQ17-1254 CR-02	Quarry 1	Deep Overburden	0.14	2.3	0.16	14	NPAG	7.5	21	20	0.0050	< 0.02	< 0.02	0.28
AMQ17-1254 CR-03	Quarry 1	Deep Overburden	0.12	2.0	0.16	13	NPAG	7.0	34	33	0.0070	< 0.02	< 0.02	0.084
AMQ17-1254 CR-04	Quarry 1	Deep Overburden	0.13	2.2	0.16	14	NPAG	7.6	26	25	< 0.005	< 0.02	< 0.02	0.068
Sediment Whale Tail Lake (North Basin)		**Bulk[5]**	-	2.3	7.5	0.31	PAG	-	-22	-	-	-	-	-
		Minimum	0.025	0.42	0.94	0.19	-	-	-5.5	-7.2	0.14	0.070	0.030	4.0
		Maximum	0.040	0.67	2.2	0.44	-	-	-3.2	-4.1	0.17	0.13	0.070	4.4
		Median	0.025	0.42	1.3	0.33	-	-	-4.3	-6.0	0.15	0.11	0.040	4.2
		Average	0.028	0.47	1.5	0.33	-	-	-4.4	-5.9	0.15	0.10	0.048	4.2
		Standard Deviation	0.0067	0.11	0.51	0.091	-	-	0.88	1.2	0.012	0.024	0.016	0.16
		75th Percentile	0.025	0.42	1.9	0.36	-	-	-4.1	-5.6	0.16	0.12	0.060	4.4
Shallow Overburden		**Bulk[5]**	-	5.8	3.8	1.5	uncertain	-	59	-	-	-	-	-
		Minimum	0.025	0.42	0.31	1.3	-	6.2	2.2	1.9	< 0.005	< 0.01	< 0.01	0.11
		Maximum	0.055	0.92	0.31	2.9	-	8.5	8.4	8.1	0.0050	0.010	0.010	1.8
		Median	0.025	0.42	0.31	1.3	-	7.3	5.2	4.9	0.0050	0.010	0.010	0.44
		Average	0.029	0.48	0.31	1.5	-	6.8	4.9	4.6	0.0050	0.0100	0.0100	0.54
		Standard Deviation	0.0088	0.15	-	0.47	-	0.76	1.8	1.8	9.1E-19	1.8E-18	1.8E-18	0.48
		75th Percentile	0.026	0.44	0.31	1.4	-	7.8	5.9	5.6	0.0050	0.010	0.010	0.60
Quarry 1 - Starter Pit		**Bulk[5]**	-	24	8.8	2.8	NPAG	-	324	-	-	-	-	-
		Minimum	0.025	0.42	0.63	0.67	-	7.0	13	12	< 0.005	< 0.02	< 0.02	0.041
		Maximum	0.35	5.8	0.63	9.3	-	9.4	34	33	0.042	0.020	0.020	0.28
		Median	0.068	1.1	0.63	1.8	-	7.8	22	21	0.0060	0.020	0.020	0.079
		Average	0.10	1.7	0.63	2.8	-	8.0	23	23	0.012	0.020	0.020	0.097
		Standard Deviation	0.10	1.7	-	2.7	-	0.70	6.8	6.8	0.012	3.6E-18	3.6E-18	0.063
		75th Percentile	0.13	2.2	0.63	3.6	-	8.5	28	27	0.012	0.020	0.020	0.12

Notes:
NP = Neutralization Potential, CaNP = Carbonate Neutralization Potential, AP = Acid Potential, ARD = Acid Rock Drainage, NPR = Net Potential Ratio (NP/AP), Net NP = Net Neutralization Potential, CaNPR = Carbonate Neutralization Potential Ratio
(1) Calculated statistics include bulk ARD, minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by material type.
(2) Deposit location is the North Basin of Whale Tail Lake, Universal Transverse Mercator co-ordinates, Whale Tail Pit Quarry 1, and Whale Tail Pit Starter Pit.
(3) ABA calculations include: CaNP - calculated from carbonate (CO_3) = (%CO_3/60.01)*100.09*10; AP - calculated from sulphide = %Sulphide * 31.25; CaNPR - calculated from CaNP. CaNP and CaNPR used graphite-corrected carbonate (CO3) where measured (Appendix C).
(4) ARD classification based on Mend (2009) where NPR and/or CaNPR < 1 is potentially acid generating (PAG), 1 ≤ NPR and/or CaNPR < 2 is considered to have uncertain acid generating potential, and NPR and/or CaNPR ≥ 2 is non PAG (NPAG).
(5) Bulk ARD characteristics were calculated as bulk NPR (sum NP / sum AP); using siderite-corrected NP and graphite-corrected CaNP where available.
(-) = no data reported, no calculation required

Appendix E-2
Trace Element Analysis Test Results
Overburden and Sediment
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (Price, 1997)[3]			-	**82300**	**0.20**	**1.8**	**425**	**3.0**	**0.0085**	**10**	**41500**	**0.15**	**25**	**102**	**60**	**56300**	**14**	**20**	**23300**	**950**	**0.085**	**1.2**
Sample Identification[1]	**Location[2]**	**Material**	**Fluoride**	**Aluminum**	**Antimony**	**Arsenic**	**Barium**	**Beryllium**	**Bismuth**	**Boron**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**	**Iron**	**Lead**	**Lithium**	**Magnesium**	**Manganese**	**Mercury**	**Molybdenum**
			µg/g																			
WTN-1	North Basin of Whale Tail Lake	Lake Sediment	14	13900	0.25	**897**	212	1.2	**0.45**	7.3	1950	0.32	24	84	37	151000	11	13	5800	**6660**	0.074	**6.3**
WTN-2	North Basin of Whale Tail Lake	Lake Sediment	18	12700	0.27	**1000**	586	1.2	**0.42**	7.2	2150	0.48	20	81	38	146000	11	12	5410	**23500**	0.083	**6.9**
WTN-3	North Basin of Whale Tail Lake	Lake Sediment	25	14800	0.25	**568**	97	1.3	**0.47**	6.9	2050	0.15	21	95	36	127000	12	14	6300	2200	0.061	5.3
WTN-4	North Basin of Whale Tail Lake	Lake Sediment	17	14200	0.34	**1760**	180	1.3	**0.49**	7.7	2260	0.36	25	95	42	179000	13	13	6110	**5430**	0.094	**8.6**
WTN-5	North Basin of Whale Tail Lake	Lake Sediment	16	13400	0.27	**809**	179	1.2	**0.46**	6.4	1660	0.41	24	88	39	139000	12	13	5880	3900	0.080	5.8
AMQ-ENV15-116	Whale Tail Pit	Surface Overburden	75	7000	< 0.8	5.4	27	0.28	**0.13**	< 1	1100	0.050	4.5	36	3.3	18000	5.1	7.0	3100	190	< 0.05	0.70
AMQ-ENV15-117	Whale Tail Pit	Surface Overburden	134	9400	< 0.8	5.2	50	0.35	**0.12**	1.0	2400	0.050	7.9	71	6.9	26000	5.4	12	5500	260	< 0.05	0.60
AMQ-ENV15-118	Whale Tail Pit	Surface Overburden	139	15000	< 0.8	5.5	120	0.47	**0.15**	1.0	2700	0.020	13	300	19	25000	7.4	14	13000	390	< 0.05	1.5
AMQ-ENV15-119	Whale Tail Pit	Surface Overburden	115	9600	< 0.8	5.2	72	0.37	**0.15**	3.0	2000	0.040	6.8	220	9.8	20000	5.5	10	6300	200	< 0.05	**7.2**
AMQ-ENV15-125	Whale Tail Pit	Surface Overburden	98	8200	< 0.8	3.5	60	0.54	**0.30**	2.0	1700	0.040	5.2	120	8.7	19000	6.5	9.0	4100	220	< 0.05	1.8
AMQ-ENV15-126	Whale Tail Pit	Surface Overburden	109	8900	< 0.8	2.5	65	0.51	**0.24**	2.0	2000	0.040	5.4	140	7.7	19000	6.6	10	4300	240	< 0.05	**6.0**
AMQ-ENV15-127	Whale Tail Pit	Surface Overburden	108	7900	< 0.8	2.9	60	0.53	**0.24**	2.0	1800	0.030	4.8	110	6.7	18000	6.1	9.0	3700	240	< 0.05	2.2
AMQ-ENV15-128	Whale Tail Pit	Surface Overburden	92	7100	< 0.8	2.9	58	0.38	**0.15**	2.0	1500	0.040	4.6	180	6.8	16000	5.0	7.0	3800	200	< 0.05	**6.8**
AMQ-ENV15-129	Whale Tail Pit	Surface Overburden	104	9200	< 0.8	5.2	64	0.59	**0.31**	2.0	1500	0.040	6.9	160	11	20000	8.0	10	4600	290	< 0.05	4.7
AMQ-ENV15-130	Whale Tail Pit	Surface Overburden	100	14000	< 0.8	6.8	96	1.0	**0.43**	3.0	1800	0.040	7.6	160	17	28000	11	15	6200	300	< 0.05	**8.0**
AMQ-ENV15-131	Whale Tail Pit	Surface Overburden	100	6900	< 0.8	3.1	45	0.40	**0.20**	1.0	1200	0.030	4.9	62	5.6	15000	6.0	9.0	4000	180	< 0.05	0.60
AMQ-ENV15-132	Whale Tail Pit	Surface Overburden	95	5400	< 0.8	2.8	32	0.36	**0.20**	< 1	1100	0.030	4.2	40	4.9	14000	5.4	7.0	3200	200	< 0.05	0.60
AMQ17-1393 Quarry 2-1	Starter Pit	Deep Overburden	101	9000	< 0.8	2.7	70	0.43	**0.16**	3.0	1900	0.050	5.3	55	9.0	18000	14	10	4100	250	< 0.05	0.90
AMQ17-1393 Quarry 2-2	Starter Pit	Deep Overburden	121	8500	< 0.8	0.80	19	0.070	< 0.09	< 1	2600	< 0.02	1.8	15	2.4	17000	3.5	3.0	4600	88	< 0.05	0.20
AMQ17-1393 Quarry 2-3	Starter Pit	Deep Overburden	188	10000	< 0.8	2.5	78	0.36	< 0.09	3.0	3100	0.030	6.4	47	7.9	22000	9.2	11	4900	310	< 0.05	1.0
AMQ17-1393 Quarry 2-4	Starter Pit	Deep Overburden	133	11000	< 0.8	4.5	540	0.21	< 0.09	3.0	4300	0.030	9.8	110	18	20000	5.5	11	11000	290	< 0.05	0.70
AMQ17-1245 CR-01	Quarry 1	Deep Overburden	142	13000	< 0.8	5.9	120	0.55	**0.38**	4.0	3900	0.15	7.6	38	11	27000	65	13	7000	390	< 0.05	2.1
AMQ17-1245 CR-02	Quarry 1	Deep Overburden	221	18000	< 0.8	**9.2**	180	0.41	**0.16**	3.0	6600	0.070	14	130	35	36000	10	19	12000	480	< 0.05	1.0
AMQ17-1245 CR-03	Quarry 1	Deep Overburden	409	30000	< 0.8	**10**	510	0.47	< 0.09	1.0	8400	0.090	24	310	70	46000	11	24	27000	640	< 0.05	0.60
AMQ17-1245 CR-04	Quarry 1	Deep Overburden	376	26000	< 0.8	**12**	330	0.42	< 0.09	1.0	6100	0.15	28	480	67	37000	8.6	20	26000	460	< 0.05	0.60
AMQ17-1245 CR-05	Quarry 1	Deep Overburden	389	30000	< 0.8	4.5	300	0.41	< 0.09	2.0	9600	0.020	28	**620**	40	40000	18	26	35000	630	< 0.05	0.50
AMQ17-1245 CR-06	Quarry 1	Deep Overburden	316	26000	< 0.8	1.5	310	0.32	< 0.09	4.0	17000	0.030	23	**570**	59	36000	4.0	27	29000	470	< 0.05	0.20
AMQ17-1254 CR-01	Quarry 1	Deep Overburden	198	14000	< 0.8	6.2	140	0.39	**0.20**	2.0	5000	0.050	11	110	17	28000	9.4	15	11000	380	< 0.05	1.1
AMQ17-1254 CR-02	Quarry 1	Deep Overburden	191	16000	< 0.8	5.3	130	0.35	**0.14**	3.0	8800	0.050	15	190	**490**	29000	10	17	14000	410	< 0.05	1.8
AMQ17-1254 CR-03	Quarry 1	Deep Overburden	249	16000	< 0.8	6.0	160	0.30	**0.20**	4.0	14000	0.070	18	130	260	58000	6.0	19	14000	530	< 0.05	**7.9**
AMQ17-1254 CR-04	Quarry 1	Deep Overburden	300	23000	< 0.8	2.6	280	0.40	< 0.09	3.0	10000	0.11	20	330	65	37000	8.1	23	22000	490	< 0.05	1.1
Sediment Whale Tail Lake (North Basin)		**Minimum**	14	12700	0.25	568	97	1.2	0.42	6.4	1660	0.15	20	81	36	127000	11	12	5410	2200	0.061	5.3
		Maximum	25	14800	0.34	1760	586	1.3	0.49	7.7	2260	0.48	25	95	42	179000	13	14	6300	23500	0.094	8.6
		Median	17	13900	0.27	897	180	1.2	0.46	7.2	2050	0.36	24	88	38	146000	12	13	5880	5430	0.080	6.3
		Average	18	13800	0.28	1007	251	1.2	0.46	7.1	2014	0.34	23	88	38	148400	12	13	5900	8338	0.078	6.6
		Standard Deviation	4.0	797	0.037	450	192	0.048	0.026	0.48	229	0.12	2.4	6.4	2.3	19334	0.76	0.84	337	8639	0.012	1.3
		75th Percentile	18	14200	0.27	1000	212	1.3	0.47	7.3	2150	0.41	24	95	39	151000	12	13	6110	6660	0.083	6.9
Surface Overburden		**Bulk**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Minimum	75	5400	< 0.8	2.5	27	0.28	0.12	< 1	1100	0.020	4.2	36	3.3	14000	5.0	7.0	3100	180	< 0.05	0.60
		Maximum	139	15000	0.80	6.8	120	1.0	0.43	3.0	2700	0.050	13	300	19	28000	11	15	13000	390	0.050	8.0
		Median	102	8550	0.80	4.4	60	0.44	0.20	2.0	1750	0.040	5.3	130	7.3	19000	6.1	9.5	4200	230	0.050	2.0
		Average	106	9050	0.80	4.3	62	0.48	0.22	1.8	1733	0.038	6.3	133	9.0	19833	6.5	9.9	5150	243	0.050	3.4
		Standard Deviation	18	2834	1.2E-16	1.4	26	0.19	0.092	0.75	498	0.0087	2.5	78	4.7	4387	1.7	2.6	2689	60	7.2E-18	2.9
		75th Percentile	111	9450	0.80	5.3	67	0.53	0.26	2.0	2000	0.040	7.1	165	10	21250	6.8	11	5675	268	0.050	6.2
Quarry 1 - Starter Pit		**Bulk**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Minimum	101	8500	< 0.8	0.80	19	0.070	< 0.09	1.0	1900	0.020	1.8	15	2.4	17000	3.5	3.0	4100	88	< 0.05	0.20
		Maximum	409	30000	0.80	12	540	0.55	0.38	4.0	17000	0.15	28	620	490	58000	65	27	35000	640	0.050	7.9
		Median	210	16000	0.80	4.9	170	0.40	0.090	3.0	6350	0.050	15	130	38	32500	9.3	18	13000	435	0.050	0.95
		Average	238	17893	0.80	5.3	226	0.36	0.14	2.6	7236	0.066	15	224	82	32214	13	17	15829	416	0.050	1.4
		Standard Deviation	104	7717	-	3.3	159	0.12	0.081	1.1	4400	0.044	8.6	205	134	11544	15	6.9	10139	149	-	1.9
		75th Percentile	312	25250	0.80	6.2	308	0.42	0.16	3.0	9400	0.085	22	325	67	37000	11	22	25000	488	0.050	1.1

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by material type.
(2) Deposit location is the North Basin of Whale Tail Lake, Universal Transverse Mercator co-ordinates, Whale Tail Pit Quarry 1, and Whale Tail Pit Starter Pit.
(3) Price, 1997. Guidelines and recommended methods for the predication of metal leaching and acid rock drainage
(-) = no data reported, no calculation required
0.1 Result exceeds 5x Price Crustal Abundance for the specified parameter

Appendix E-2
Trace Element Analysis Test Results
Overburden and Sediment
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

		Typical Crustal Abundance (Price, 1997)[3]	84	1050	20850	0.050	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
Sample Identification[1]	Location[2]	Material	Nickel	Phosphorus	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
			µg/g													
WTN-1	North Basin of Whale Tail Lake	Lake Sediment	92	1830	2040	**0.78**	-	0.26	292	22	<2.0	379	0.22	8.8	24	88
WTN-2	North Basin of Whale Tail Lake	Lake Sediment	126	2250	2060	**0.78**	-	0.28	302	30	<2.0	370	0.24	8.5	22	99
WTN-3	North Basin of Whale Tail Lake	Lake Sediment	60	1770	2150	**0.75**	-	0.23	257	22	<2.0	413	0.15	9.2	26	79
WTN-4	North Basin of Whale Tail Lake	Lake Sediment	93	2750	2110	**0.96**	-	0.32	355	25	<2.0	393	0.21	9.6	25	96
WTN-5	North Basin of Whale Tail Lake	Lake Sediment	108	2020	1840	**0.76**	-	0.25	328	19	<2.0	308	0.24	9.2	24	93
AMQ-ENV15-116	Whale Tail Pit	Surface Overburden	11	430	1300	< 0.7	1300	< 0.01	180	8.3	0.50	430	0.060	1.2	13	32
AMQ-ENV15-117	Whale Tail Pit	Surface Overburden	20	740	2400	< 0.7	2100	0.010	300	13	< 0.5	670	0.080	1.1	33	45
AMQ-ENV15-118	Whale Tail Pit	Surface Overburden	72	670	5200	< 0.7	1500	0.020	310	25	0.50	940	0.23	1.3	29	34
AMQ-ENV15-119	Whale Tail Pit	Surface Overburden	35	590	3100	< 0.7	2100	0.010	560	19	0.60	520	0.090	1.2	14	31
AMQ-ENV15-125	Whale Tail Pit	Surface Overburden	17	400	2300	< 0.7	2000	0.020	450	18	0.70	460	0.10	2.6	12	34
AMQ-ENV15-126	Whale Tail Pit	Surface Overburden	18	480	3300	< 0.7	5300	0.040	770	20	0.70	520	0.10	2.2	10	32
AMQ-ENV15-127	Whale Tail Pit	Surface Overburden	15	420	2600	< 0.7	2700	0.030	550	17	0.70	500	0.10	2.0	11	33
AMQ-ENV15-128	Whale Tail Pit	Surface Overburden	20	400	2600	< 0.7	2300	0.010	620	17	0.60	400	0.070	1.6	7.0	26
AMQ-ENV15-129	Whale Tail Pit	Surface Overburden	22	430	2400	< 0.7	1500	0.020	420	16	0.70	430	0.11	2.9	13	36
AMQ-ENV15-130	Whale Tail Pit	Surface Overburden	30	540	3100	< 0.7	1500	0.060	340	17	0.80	490	0.18	5.9	15	49
AMQ-ENV15-131	Whale Tail Pit	Surface Overburden	16	400	1500	< 0.7	1500	0.010	210	12	< 0.5	340	0.070	1.8	11	29
AMQ-ENV15-132	Whale Tail Pit	Surface Overburden	13	400	1200	< 0.7	1600	< 0.01	180	12	< 0.5	340	0.060	2.2	10	29
AMQ17-1393 Quarry 2-1	Starter Pit	Deep Overburden	19	400	3300	< 0.7	1700	0.12	710	23	< 0.5	430	0.11	3.3	11	41
AMQ17-1393 Quarry 2-2	Starter Pit	Deep Overburden	5.1	530	2700	< 0.7	1700	0.010	630	8.4	< 0.5	130	< 0.02	0.92	4.0	11
AMQ17-1393 Quarry 2-3	Starter Pit	Deep Overburden	11	700	3700	< 0.7	1800	**1.2**	1000	26	< 0.5	680	0.12	2.4	14	50
AMQ17-1393 Quarry 2-4	Starter Pit	Deep Overburden	77	550	2800	< 0.7	2300	**0.71**	710	35	< 0.5	450	0.070	2.3	20	34
AMQ17-1245 CR-01	Quarry 1	Deep Overburden	20	570	4800	< 0.7	6000	**0.45**	900	43	0.70	700	0.14	2.3	25	70
AMQ17-1245 CR-02	Quarry 1	Deep Overburden	53	800	8100	< 0.7	6000	**3.5**	690	83	0.50	1100	0.27	1.6	42	62
AMQ17-1245 CR-03	Quarry 1	Deep Overburden	120	1500	22000	< 0.7	6800	**13**	560	76	< 0.5	1900	0.69	0.94	80	65
AMQ17-1245 CR-04	Quarry 1	Deep Overburden	180	1300	20000	< 0.7	6400	**0.81**	400	59	< 0.5	1500	0.63	1.3	41	53
AMQ17-1245 CR-05	Quarry 1	Deep Overburden	180	1500	14000	< 0.7	6000	**2.7**	250	78	< 0.5	1300	0.34	0.46	60	53
AMQ17-1245 CR-06	Quarry 1	Deep Overburden	170	1200	16000	< 0.7	4300	**5.5**	430	190	< 0.5	1400	0.40	0.31	47	82
AMQ17-1254 CR-01	Quarry 1	Deep Overburden	40	680	6700	< 0.7	2400	**0.93**	450	68	0.50	860	0.22	1.5	32	47
AMQ17-1254 CR-02	Quarry 1	Deep Overburden	110	720	6100	< 0.7	2500	**380**	580	110	< 0.5	890	0.17	1.5	31	60
AMQ17-1254 CR-03	Quarry 1	Deep Overburden	57	1400	6900	< 0.7	6600	**170**	950	140	1.0	1500	0.17	1.0	87	79
AMQ17-1254 CR-04	Quarry 1	Deep Overburden	94	1100	17000	< 0.7	4300	**15**	450	120	< 0.5	1400	0.43	0.82	50	57
Sediment Whale Tail Lake (North Basin)		Minimum	60	1770	1840	0.75	-	0.23	257	19	< 2	308	0.15	8.5	22	79
		Maximum	126	2750	2150	0.96	-	0.32	355	30	2.0	413	0.24	9.6	26	99
		Median	93	2020	2060	0.78	-	0.26	302	22	2.0	379	0.22	9.2	24	93
		Average	96	2124	2040	0.81	-	0.27	307	23	2.0	373	0.21	9.1	24	91
		Standard Deviation	24	397	120	0.087	-	0.034	37	4.0	-	40	0.035	0.45	1.4	7.9
		75th Percentile	108	2250	2110	0.78	-	0.28	328	25	2.0	393	0.24	9.2	25	96
Surface Overburden		Bulk	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Minimum	11	400	1200	< 0.7	1300	0.010	180	8.3	< 0.5	340	0.060	1.1	7.0	26
		Maximum	72	740	5200	0.70	5300	0.060	770	25	0.80	940	0.23	5.9	33	49
		Median	19	430	2500	0.70	1800	0.015	380	17	0.60	475	0.095	1.9	13	33
		Average	24	492	2583	0.70	2117	0.021	408	16	0.61	503	0.10	2.2	15	34
		Standard Deviation	17	118	1078	1.2E-16	1086	0.016	188	4.4	0.11	164	0.051	1.3	7.9	6.6
		75th Percentile	24	553	3100	0.70	2150	0.023	553	18	0.70	520	0.10	2.3	14	35
Quarry 1 - Starter Pit		Bulk	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Minimum	5.1	400	2700	< 0.7	1700	0.010	250	8.4	< 0.5	130	0.020	0.31	4.0	11
		Maximum	180	1500	22000	0.70	6800	380	1000	190	1.0	1900	0.69	3.3	87	82
		Median	67	760	6800	0.70	4300	2.0	605	72	0.50	995	0.20	1.4	37	55
		Average	81	925	9579	0.70	4200	42	622	76	0.55	1017	0.27	1.5	39	55
		Standard Deviation	63	392	6786	-	2059	107	221	51	0.14	506	0.20	0.84	25	18
		75th Percentile	118	1275	15500	0.70	6000	11	710	103	0.50	1400	0.39	2.1	49	64

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by material type.
(2) Deposit location is the North Basin of Whale Tail Lake, Universal Transverse Mercator co-ordinates, Whale Tail Pit Quarry 1, and Whale Tail Pit Starter Pit.
(3) Price, 1997. Guidelines and recommended methods for the predication of metal leaching and acid rock drainage
(-) = no data reported, no calculation required
0.1 Result exceeds 5x Price Crustal Abundance for the specified parameter

Appendix E-3
Shake-Flask Extraction Analysis Test Results
Overburden and Sediment
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

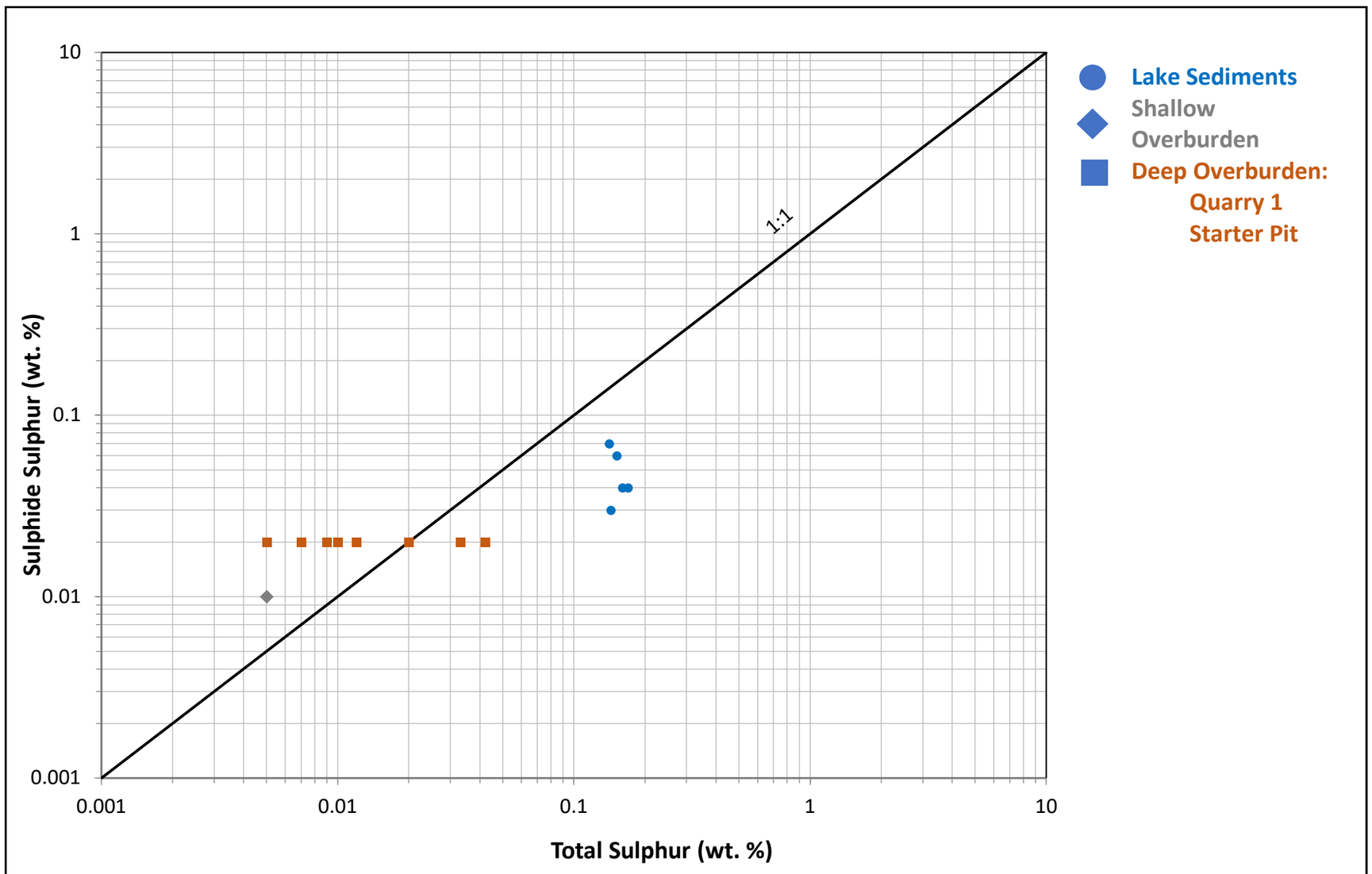
Sample Identification[1]	Location[2]	Material	Sample weight	Volume D.I. Water	Initial pH	Final pH	pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium
			g	mL	pH unit	pH unit	pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		mg/L		as N mg/L		µg/L	mg/L									
WTN-1	North Basin of Whale Tail Lake	Lake Sediment	59	236	5.0	5.0	8.9	38	173	0.070	4.0	33	< 3	< 0.3	< 0.6	0.30	0.11	< 0.00001	0.00010	0.68	0.37	0.091	0.16	0.000041	0.000039	8.6
WTN-2	North Basin of Whale Tail Lake	Lake Sediment	57	228	5.1	5.0	8.5	36	223	0.070	4.0	59	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	0.000070	0.48	0.070	0.21	0.22	0.000023	0.000036	11
WTN-3	North Basin of Whale Tail Lake	Lake Sediment	60	240	5.5	5.3	9.7	162	376	1.7	3.0	23	< 3	< 0.3	< 0.6	14	0.18	< 0.00001	0.000084	1.0	0.070	0.0088	1.9	0.000061	0.000064	1.2
WTN-4	North Basin of Whale Tail Lake	Lake Sediment	55	220	4.9	4.9	8.9	38	214	0.12	5.0	52	< 3	< 0.3	< 0.6	0.60	< 0.03	< 0.00001	0.000025	0.39	0.13	0.16	0.38	0.000025	0.000014	11
WTN-5	North Basin of Whale Tail Lake	Lake Sediment	52	208	5.0	4.9	8.7	44	200	0.080	3.0	45	< 3	< 0.3	< 0.6	0.40	0.060	0.000010	0.000026	0.58	0.23	0.13	0.19	0.000032	0.000018	11
AMQ-ENV15-116	Whale Tail Pit	Surface Overburden	200	800	5.2	5.7	8.6	22	56	0.090	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000010	0.64	0.010	0.0058	0.048	0.000023	0.0000090	0.37
AMQ-ENV15-117	Whale Tail Pit	Surface Overburden	200	800	5.7	6.8	9.0	17	42	0.13	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000019	1.1	0.0030	0.011	0.043	0.000041	0.000012	0.27
AMQ-ENV15-118	Whale Tail Pit	Surface Overburden	200	800	5.3	5.2	8.1	16	48	0.090	2.0	< 1	< 3	< 0.3	< 0.6	0.20	< 0.03	< 0.00001	0.0000080	0.46	0.0025	0.0070	0.033	0.000032	0.000010	1.0
AMQ-ENV15-119	Whale Tail Pit	Surface Overburden	200	800	5.6	5.4	8.6	15	36	0.090	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000014	0.91	0.0047	0.0090	0.039	0.000039	0.000018	0.31
AMQ-ENV15-125	Whale Tail Pit	Surface Overburden	200	800	5.6	5.8	8.5	14	52	0.23	3.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000080	0.54	0.0016	0.011	0.035	0.000052	0.000038	1.2
AMQ-ENV15-126	Whale Tail Pit	Surface Overburden	200	800	6.3	6.9	8.4	12	37	0.43	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000060	0.0000090	0.35	0.0016	0.0036	0.033	0.000028	0.000011	< 0.01
AMQ-ENV15-127	Whale Tail Pit	Surface Overburden	200	800	6.3	6.7	8.8	15	44	0.41	2.0	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000050	0.46	0.0035	0.0087	0.033	0.000040	0.000016	0.53
AMQ-ENV15-128	Whale Tail Pit	Surface Overburden	200	800	5.6	6.1	8.8	15	45	0.15	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000010	0.97	0.0018	0.012	0.042	0.000061	0.000026	0.27
AMQ-ENV15-129	Whale Tail Pit	Surface Overburden	200	800	5.4	5.8	8.6	13	47	0.20	4.0	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000040	0.52	0.0035	0.0052	0.049	0.000033	0.000010	0.25
AMQ-ENV15-130	Whale Tail Pit	Surface Overburden	200	800	5.2	5.3	8.0	20	60	0.20	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000021	0.72	0.0027	0.011	0.059	0.000075	0.000018	1.8
AMQ-ENV15-131	Whale Tail Pit	Surface Overburden	200	800	5.5	5.9	8.7	16	45	0.23	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000090	0.33	0.0054	0.0045	0.037	0.000023	0.0000090	0.13
AMQ-ENV15-132	Whale Tail Pit	Surface Overburden	200	800	6.4	6.9	9.3	16	44	0.42	< 1	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000050	0.44	0.0019	0.0071	0.033	0.000043	0.0000090	0.12
AMQ17-1393 Quarry 2-1	Starter Pit	Deep Overburden	200	800	-	7.8	7.3	11	73	0.87	14	5.0	< 3	< 0.3	< 0.6	< 0.2	0.090	< 0.00001	< 0.00005	1.9	0.0018	0.041	0.014	0.00021	0.000035	1.7
AMQ17-1393 Quarry 2-2	Starter Pit	Deep Overburden	200	800	-	8.7	8.0	44	109	1.0	3.0	4.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.32	0.0015	0.0073	0.019	0.000020	< 0.000007	7.4
AMQ17-1393 Quarry 2-3	Starter Pit	Deep Overburden	200	800	-	8.8	7.8	34	111	0.63	7.0	10	< 3	< 0.3	< 0.6	< 0.2	0.030	< 0.00001	0.00030	0.53	0.0068	0.011	0.020	0.000025	< 0.000007	4.1
AMQ17-1393 Quarry 2-4	Starter Pit	Deep Overburden	200	800	-	8.9	7.9	34	117	0.50	3.0	17	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000080	0.65	0.017	0.083	0.015	0.000034	0.000019	7.2
AMQ17-1245 CR-01	Quarry 1	Deep Overburden	200	800	-	7.7	7.2	11	1450	0.16	450	2.0	0.70	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	< 0.00005	0.085	0.0012	0.62	0.068	< 0.000007	< 0.000007	244
AMQ17-1245 CR-02	Quarry 1	Deep Overburden	200	800	-	7.9	7.1	8.0	2200	0.17	890	< 2	1.1	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	< 0.00005	0.086	0.00090	0.48	0.15	< 0.000007	< 0.000007	457
AMQ17-1245 CR-03	Quarry 1	Deep Overburden	200	800	-	7.9	7.3	14	1680	0.29	610	3.0	0.80	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	< 0.00005	0.033	0.00080	0.37	0.072	< 0.000007	< 0.000007	324
AMQ17-1245 CR-04	Quarry 1	Deep Overburden	200	800	-	9.4	8.3	12	575	0.23	150	2.0	< 0.3	< 0.03	< 0.06	0.20	< 0.03	< 0.00001	< 0.00005	0.049	0.015	0.088	0.027	< 0.000007	< 0.000007	68
AMQ17-1245 CR-05	Quarry 1	Deep Overburden	200	800	-	9.2	7.7	8.0	1480	0.18	470	< 2	0.70	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	< 0.00005	0.018	0.0044	0.50	0.086	< 0.000007	< 0.000007	273
AMQ17-1245 CR-06	Quarry 1	Deep Overburden	200	800	-	9.3	7.9	10	6630	0.29	4000	3.0	5.3	< 0.03	< 0.06	0.40	0.040	< 0.00001	< 0.00005	0.055	0.0019	1.1	0.35	< 0.000007	0.0000080	2050
AMQ17-1254 CR-01	Quarry 1	Deep Overburden	200	800	-	7.1	7.1	11	2160	0.12	850	< 2	1.1	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	< 0.00005	0.019	0.0020	0.56	0.098	< 0.000007	< 0.000007	450
AMQ17-1254 CR-02	Quarry 1	Deep Overburden	200	800	-	7.3	7.3	36	4620	0.15	2400	5.0	3.2	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	0.035	0.021	0.0010	1.1	0.17	< 0.000007	0.0000070	1190
AMQ17-1254 CR-03	Quarry 1	Deep Overburden	200	800	-	8.2	6.8	5.0	6540	0.30	3800	< 2	5.0	< 0.03	< 0.06	< 0.2	0.040	< 0.00001	0.00084	0.089	0.00050	1.1	0.31	< 0.000007	0.0000090	2040
AMQ17-1254 CR-04	Quarry 1	Deep Overburden	200	800	-	8.9	7.7	11	4320	0.17	2100	< 2	2.7	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	< 0.00005	0.089	0.0015	0.59	0.20	< 0.000007	< 0.000007	998
Sediment Whale Tail Lake (North Basin)		Minimum	52	208	4.9	4.9	8.5	36	173	0.070	3.0	23	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	0.000025	0.39	0.070	0.0088	0.16	0.000023	0.000014	1.2
		Maximum	60	240	5.5	5.3	9.7	162	376	1.7	5.0	59	3.0	0.30	0.60	14	0.18	0.000010	0.00010	1.0	0.37	0.21	1.9	0.000061	0.000064	11
		Median	57	228	5.0	5.0	8.9	38	214	0.080	4.0	45	3.0	0.30	0.60	0.40	0.060	0.000010	0.000070	0.58	0.13	0.13	0.22	0.000032	0.000036	11
		Average	57	226	5.1	5.0	9.0	64	237	0.40	3.8	42	3.0	0.30	0.60	3.1	0.082	0.000010	0.000061	0.63	0.17	0.12	0.56	0.000036	0.000034	8.7
		Standard Deviation	3.2	13	0.21	0.14	0.45	55	80	0.70	0.84	14	-	-	-	6.1	0.064	-	0.000034	0.24	0.13	0.076	0.73	0.000015	0.000020	4.4
		75th Percentile	59	236	5.1	5.0	8.9	44	223	0.12	4.0	52	3.0	0.30	0.60	0.60	0.11	0.000010	0.000084	0.68	0.23	0.16	0.38	0.000041	0.000039	11
Surface Overburden		Bulk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Minimum	200	800	5.2	5.2	8.0	12	36	0.090	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000040	0.33	0.0016	0.0036	0.033	0.000023	0.0000090	< 0.1
		Maximum	200	800	6.4	6.9	9.3	22	60	0.43	4.0	1.0	3.0	0.30	0.60	0.20	0.030	0.000060	0.000021	1.1	0.010	0.012	0.059	0.000075	0.000038	1.8
		Median	200	800	5.6	5.8	8.6	16	45	0.20	1.5	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000090	0.53	0.0029	0.0079	0.038	0.000040	0.000012	0.29
		Average	200	800	5.7	5.7	8.6	16	46	0.22	1.8	1.0	3.0	0.30	0.60	0.20	0.030	0.000014	0.000010	0.62	0.0036	0.0080	0.040	0.000041	0.000016	0.52
		Standard Deviation	-	-	0.44	0.63	0.37	2.8	7.0	0.13	0.97	-	-	5.8E-17	1.2E-16	2.9E-17	1.1E-17	0.000014	0.0000053	0.25	0.0025	0.0028	0.0084	0.000016	0.0000088	0.53
		75th Percentile	200	800	5.8	6.7	8.8	16	49	0.28	2.0	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.000011	0.76	0.0038	0.011	0.044	0.000045	0.000018	0.65
Quarry 1 - Starter Pit		Bulk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Minimum	200	800	-	7.1	6.8	5.0	73	0.12	3.0	< 2	< 0.3	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	< 0.00005	0.018	0.00050	0.0073	0.014	< 0.000007	< 0.000007	1.7
		Maximum	200	800	-	9.4	8.3	44	6630	1.0	4000	17	5.3	0.30	0.60	0.40	0.090	0.000010	0.035	1.9	0.017	1.1	0.35	0.00021	0.000035	2050
		Median	200	800	-	8.5	7.5	11	1580	0.26	540	2.5	2.9	0.030	0.060	0.20	0.030	0.000010	0.000050	0.086	0.0017	0.49	0.079	0.0000070	0.0000070	299
		Average	200	800	-	7.8	7.5	18	2290	0.36	1125	4.4	2.4	0.11	0.21	0.21	0.036	0.000010	0.0026	0.28	0.0040	0.48	0.11	0.000026	0.000010	580
		Standard Deviation	-	-	-	0.76	0.43	13	2325	0.28	1393	4.3	1.6	0.13	0.25	0.053	0.016	-	0.0092	0.50	0.0054	0.41	0.11	0.000054	0.0000078	719
		75th Percentile	200	800	-	8.9	7.8	29	3790	0.45	1798	4.8	3.0	0.23	0.47	0.20	0.030	0.000010	0.000073	0.26	0.0038	0.62	0.17	0.000017	0.0000078	863

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by material type.
(2) Deposit location is the North Basin of Whale Tail Lake, Universal Transverse Mercator co-ordinates, Whale Tail Pit Quarry 1, and Whale Tail Pit StarterPit.
(-) = no data reported, no calculation required

Appendix E-3
Shake-Flask Extraction Analysis Test Results
Overburden and Sediment
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Location[2]	Material	Cadmium	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
			mg/L																							
WTN-1	North Basin of Whale Tail Lake	Lake Sediment	0.000048	0.0028	0.0019	0.013	4.1	2.3	0.0046	1.7	2.2	0.00029	23	0.037	0.24	0.00046	0.0017	0.0012	39	0.00016	0.043	0.013	0.000017	0.00043	0.00080	0.0040
WTN-2	North Basin of Whale Tail Lake	Lake Sediment	0.00029	0.019	0.0013	0.013	0.62	2.4	0.0049	2.3	7.2	0.00042	25	0.26	0.13	0.016	0.0025	0.0011	39	0.00025	0.063	0.0083	0.000027	0.00027	0.00040	0.011
WTN-3	North Basin of Whale Tail Lake	Lake Sediment	0.000012	0.00041	0.017	0.013	1.4	0.81	0.0023	0.50	0.011	0.00056	86	0.0041	0.28	0.00058	0.0015	0.0012	26	0.00024	0.0039	0.022	0.0000080	0.0020	0.0027	0.0040
WTN-4	North Basin of Whale Tail Lake	Lake Sediment	0.00020	0.021	0.0015	0.011	0.51	2.7	0.0061	2.3	2.7	0.00018	24	0.22	0.13	0.00022	0.0017	0.0011	39	0.00025	0.060	0.0071	0.000024	0.00032	0.00040	0.010
WTN-5	North Basin of Whale Tail Lake	Lake Sediment	0.00012	0.0077	0.0018	0.012	1.5	2.4	0.0055	2.1	3.0	0.00034	26	0.089	0.19	0.00026	0.0022	0.0014	47	0.00034	0.053	0.011	0.000015	0.00038	0.00060	0.0050
AMQ-ENV15-116	Whale Tail Pit	Surface Overburden	0.0000060	0.00045	0.0013	0.0020	0.56	1.2	0.0021	0.13	0.0064	0.00016	10	0.0010	0.037	0.00037	0.00050	0.00018	5.5	0.00012	0.0022	0.033	< 0.000005	0.00016	0.0011	< 0.002
AMQ-ENV15-117	Whale Tail Pit	Surface Overburden	0.0000060	0.0011	0.0022	0.0019	1.1	0.48	0.00061	0.30	0.021	0.00061	9.2	0.0027	0.055	0.00057	0.00050	0.000050	6.4	0.000040	0.0018	0.049	< 0.000005	0.00019	0.0023	0.0030
AMQ-ENV15-118	Whale Tail Pit	Surface Overburden	0.0000040	0.00097	0.0079	0.0082	0.67	0.55	0.0021	0.45	0.030	0.00010	8.5	0.0028	0.043	0.00055	0.00040	0.00017	4.0	0.00019	0.0041	0.029	< 0.000005	0.00055	0.0015	< 0.002
AMQ-ENV15-119	Whale Tail Pit	Surface Overburden	0.0000030	0.00078	0.0037	0.0025	1.1	0.37	0.0017	0.21	0.017	0.00022	7.6	0.0019	0.054	0.00066	0.00050	< 0.00004	3.8	0.000040	0.0012	0.031	< 0.000005	0.00023	0.0015	0.0020
AMQ-ENV15-125	Whale Tail Pit	Surface Overburden	0.0000050	0.00092	0.0021	0.0048	0.79	0.57	0.0011	0.69	0.025	0.000090	8.6	0.0032	0.022	0.00084	0.00030	0.00030	4.3	0.000020	0.0055	0.019	< 0.000005	0.00088	0.0012	< 0.002
AMQ-ENV15-126	Whale Tail Pit	Surface Overburden	0.0000030	0.00031	0.00078	0.0017	0.38	0.32	0.00050	0.098	0.0096	0.0014	7.3	0.0015	0.010	0.00039	0.00040	0.00024	3.9	0.000020	0.00080	0.0094	< 0.000005	0.00046	0.00079	< 0.002
AMQ-ENV15-127	Whale Tail Pit	Surface Overburden	0.0000030	0.00054	0.0013	0.0020	0.59	0.44	0.00062	0.23	0.015	0.00046	7.8	0.0020	0.010	0.00077	0.00040	0.00012	3.8	< 0.00001	0.0020	0.013	< 0.000005	0.00042	0.00081	< 0.002
AMQ-ENV15-128	Whale Tail Pit	Surface Overburden	0.0000070	0.00082	0.0022	0.0022	1.00	0.53	0.0010	0.25	0.024	0.00031	7.4	0.0021	0.035	0.00086	0.00040	0.00013	5.1	0.000050	0.0020	0.034	< 0.000005	0.00048	0.0012	0.0020
AMQ-ENV15-129	Whale Tail Pit	Surface Overburden	0.0000090	0.00052	0.0013	0.0028	0.47	0.38	0.00077	0.14	0.014	0.000060	9.6	0.0015	0.020	0.00051	0.00030	0.00021	4.2	< 0.00001	0.0013	0.011	< 0.000005	0.00059	0.00056	< 0.002
AMQ-ENV15-130	Whale Tail Pit	Surface Overburden	0.000013	0.0011	0.0036	0.011	0.75	0.55	0.0019	0.82	0.019	0.00015	11	0.0070	0.064	0.00080	0.00040	0.00041	6.4	0.000030	0.0090	0.017	< 0.000005	0.0023	0.00088	< 0.002
AMQ-ENV15-131	Whale Tail Pit	Surface Overburden	0.0000030	0.00031	0.0012	0.0034	0.39	0.29	0.00090	0.086	0.0054	0.00011	8.6	0.0011	0.018	0.00034	0.00040	< 0.00004	4.0	0.000050	0.00089	0.012	< 0.000005	0.00048	0.00062	< 0.002
AMQ-ENV15-132	Whale Tail Pit	Surface Overburden	0.0000040	0.00039	0.0011	0.0016	0.51	0.24	0.00073	0.14	0.014	0.00044	8.2	0.0017	0.011	0.00050	0.00040	< 0.00004	4.4	< 0.00001	0.0011	0.013	< 0.000005	0.00048	0.00067	< 0.002
AMQ17-1393 Quarry 2-1	Starter Pit	Deep Overburden	0.000018	0.0010	0.0046	0.0067	1.7	3.5	0.0035	1.6	0.045	0.0029	9.9	0.0080	0.048	0.0053	0.00040	0.000060	7.9	0.00049	0.013	0.027	0.000016	0.0016	0.0020	0.012
AMQ17-1393 Quarry 2-2	Starter Pit	Deep Overburden	0.0000080	0.00017	0.00079	0.0014	0.25	5.2	0.0048	5.5	0.014	0.0079	5.1	0.00090	0.022	0.00028	0.00060	0.00010	4.7	0.00030	0.039	0.0080	0.0000090	0.012	0.00063	< 0.002
AMQ17-1393 Quarry 2-3	Starter Pit	Deep Overburden	0.0000040	0.00015	0.00084	0.0037	0.24	8.1	0.0033	2.2	0.0073	0.010	13	0.0012	0.049	0.00054	0.00060	0.00014	5.9	0.00053	0.023	0.0069	0.0000080	0.0059	0.0025	0.0030
AMQ17-1393 Quarry 2-4	Starter Pit	Deep Overburden	0.0000040	0.00033	0.0017	0.0028	0.49	10	0.0026	3.5	0.020	0.0072	5.7	0.0017	0.040	0.00057	0.00060	0.00015	5.7	0.00031	0.059	0.014	0.000016	0.0057	0.0056	0.0020
AMQ17-1245 CR-01	Quarry 1	Deep Overburden	0.000027	0.00011	0.00014	0.0030	0.011	30	0.039	7.9	0.070	0.0023	11	0.00060	0.0050	0.00010	0.00040	0.000070	2.8	0.00029	3.3	0.00015	0.000076	0.00051	0.00028	< 0.002
AMQ17-1245 CR-02	Quarry 1	Deep Overburden	0.000034	0.00015	0.00010	0.0013	< 0.007	43	0.19	10	0.11	0.0057	15	0.00080	0.0060	0.00011	0.00040	0.000050	2.8	0.00090	6.5	0.00013	0.000070	0.00040	0.00035	< 0.002
AMQ17-1245 CR-03	Quarry 1	Deep Overburden	0.000045	0.00041	0.000090	0.0016	< 0.007	44	0.15	23	0.53	0.0061	12	0.0021	0.0050	0.000080	0.00040	0.00010	3.6	0.00029	3.2	0.000060	< 0.000005	0.0012	0.00039	< 0.002
AMQ17-1245 CR-04	Quarry 1	Deep Overburden	0.0000030	0.0000060	0.00030	0.00049	< 0.007	37	0.027	5.9	0.00061	0.0036	5.6	0.00020	0.019	0.000050	0.0023	0.00015	7.6	0.0013	0.67	0.00016	0.0000090	0.000051	0.0097	< 0.002
AMQ17-1245 CR-05	Quarry 1	Deep Overburden	< 0.000003	0.0000090	0.000080	0.00032	< 0.007	39	0.097	12	0.0017	0.0021	8.5	0.00010	0.0080	0.000020	0.00090	0.000050	6.8	0.000070	3.3	0.00020	0.000017	0.000011	0.0040	< 0.002
AMQ17-1245 CR-06	Quarry 1	Deep Overburden	0.0000050	0.000035	0.00075	0.00089	0.0090	136	0.94	17	0.0027	0.0041	50	0.00050	0.0050	0.000090	0.0016	0.00018	5.6	0.00028	36	0.000080	0.000093	0.0000070	0.0094	< 0.002
AMQ17-1254 CR-01	Quarry 1	Deep Overburden	0.00011	0.00075	0.000080	0.0012	0.0080	49	0.016	13	0.73	0.0013	14	0.0025	< 0.003	0.000060	0.00040	0.000060	3.3	0.00013	6.4	0.00016	0.00016	0.000072	0.00015	< 0.002
AMQ17-1254 CR-02	Quarry 1	Deep Overburden	0.00028	0.0025	0.00016	0.095	0.0080	108	0.47	44	1.3	0.014	44	0.081	0.020	0.000060	0.00050	0.00013	5.5	0.00015	17	0.00020	0.00015	0.0020	0.00060	0.0090
AMQ17-1254 CR-03	Quarry 1	Deep Overburden	0.000035	0.00027	0.00012	0.019	< 0.007	123	1.3	11	0.100	0.030	48	0.0035	0.014	0.000040	0.00030	< 0.00004	1.4	0.00021	32	0.00018	0.00013	0.000030	0.00013	< 0.002
AMQ17-1254 CR-04	Quarry 1	Deep Overburden	0.000050	0.000050	0.00024	0.0029	< 0.007	74	0.52	15	0.014	0.011	27	0.00080	0.0090	0.000030	0.00060	0.000060	3.4	0.00064	17	< 0.00005	0.000042	0.00014	0.0016	< 0.002
Sediment Whale Tail Lake (North Basin)		Minimum	0.000012	0.00041	0.0013	0.011	0.51	0.81	0.0023	0.50	0.011	0.00018	23	0.0041	0.13	0.00022	0.0015	0.0011	26	0.00016	0.0039	0.0071	0.0000080	0.00027	0.00040	0.0040
		Maximum	0.00029	0.021	0.017	0.013	4.1	2.7	0.0061	2.3	7.2	0.00056	86	0.26	0.28	0.016	0.0025	0.0014	47	0.00034	0.063	0.022	0.000027	0.0020	0.0027	0.011
		Median	0.00012	0.0077	0.0018	0.013	1.4	2.4	0.0049	2.1	2.7	0.00034	25	0.089	0.19	0.00046	0.0017	0.0012	39	0.00025	0.053	0.011	0.000017	0.00038	0.00060	0.0050
		Average	0.00013	0.010	0.0047	0.012	1.6	2.1	0.0047	1.8	3.0	0.00036	37	0.12	0.19	0.0034	0.0019	0.0012	38	0.00025	0.044	0.012	0.000018	0.00069	0.00098	0.0068
		Standard Deviation	0.00011	0.0095	0.0069	0.00097	1.4	0.76	0.0014	0.74	2.6	0.00014	28	0.11	0.064	0.0069	0.00041	0.00012	7.4	0.000064	0.024	0.0058	0.0000075	0.00075	0.00098	0.0034
		75th Percentile	0.00020	0.019	0.0019	0.013	1.5	2.4	0.0055	2.3	3.0	0.00042	26	0.22	0.24	0.00058	0.0022	0.0012	39	0.00025	0.060	0.013	0.000024	0.00043	0.00080	0.010
Surface Overburden		Bulk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Minimum	0.0000030	0.00031	0.00078	0.0016	0.38	0.24	0.00050	0.086	0.0054	0.000060	7.3	0.0010	0.010	0.00034	0.00030	< 0.00004	3.8	< 0.00001	0.00080	0.0094	< 0.000005	0.00016	0.00056	< 0.002
		Maximum	0.000013	0.0011	0.0079	0.011	1.1	1.2	0.0021	0.82	0.030	0.0014	11	0.0070	0.064	0.00086	0.00050	0.00041	6.4	0.00019	0.0090	0.049	0.0000050	0.0023	0.0023	0.0030
		Median	0.0000045	0.00066	0.0017	0.0023	0.63	0.46	0.00097	0.22	0.016	0.00019	8.5	0.0020	0.029	0.00056	0.00040	0.00015	4.3	0.000035	0.0019	0.018	0.0000050	0.00048	0.0010	0.0020
		Average	0.0000055	0.00068	0.0024	0.0037	0.69	0.49	0.0012	0.30	0.017	0.00034	8.7	0.0024	0.032	0.00060	0.00041	0.00016	4.7	0.000049	0.0027	0.022	0.0000050	0.00060	0.0011	0.0021
		Standard Deviation	0.0000030	0.00030	0.0020	0.0030	0.26	0.24	0.00060	0.24	0.0075	0.00036	1.2	0.0016	0.019	0.00019	0.000067	0.00012	0.97	0.000054	0.0024	0.012	-	0.00057	0.00051	0.00029
		75th Percentile	0.0000063	0.00093	0.0025	0.0038	0.84	0.55	0.0018	0.34	0.021	0.00045	9.3	0.0027	0.046	0.00078	0.00043	0.00022	5.2	0.000050	0.0027	0.032	0.0000050	0.00056	0.0013	0.0020
Quarry 1 - Starter Pit		Bulk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Minimum	< 0.000003	0.0000060	0.000080	0.00032	< 0.007	3.5	0.0026	1.6	0.00061	0.0013	5.1	0.00010	< 0.003	0.000020	0.00030	< 0.00004	1.4	0.000070	0.013	0.000050	< 0.000005	0.0000070	0.00013	< 0.002
		Maximum	0.00028	0.0025	0.0046	0.095	1.7	136	1.3	44	1.3	0.030	50	0.081	0.049	0.0053	0.0023	0.00018	7.9	0.0013	36	0.027	0.00016	0.012	0.0097	0.012
		Median	0.000023	0.00016	0.00020	0.0022	0.0080	41	0.068	10	0.033	0.0059	12	0.0011	0.012	0.000085	0.00055	0.000085	5.1	0.00030	3.3	0.00017	0.000030	0.00045	0.0011	0.0020
		Average	0.000045	0.00042	0.00071	0.010	0.20	51	0.27	12	0.21	0.0077	19	0.0074	0.018	0.00052	0.00071	0.000096	4.8	0.00042	9.0	0.0041	0.000057	0.0021	0.0027	0.0033
		Standard Deviation	0.000074	0.00066	0.0012	0.025	0.45	44	0.40	11	0.38	0.0075	16	0.021	0.016	0.0014	0.00056	0.000046	2.0	0.00034	12	0.0078	0.000056	0.0035	0.0033	0.0031
		75th Percentile	0.000043	0.00039	0.00078	0.0035	0.18	68	0.40	15	0.10	0.0096	24	0.0024	0.022	0.00024	0.00060	0.00014	5.9	0.00052	14	0.0052	0.000089	0.0019	0.0036	0.0020

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by material type.
(2) Deposit location is the North Basin of Whale Tail Lake, Universal Transverse Mercator co-ordinates, Whale Tail Pit Quarry 1, and Whale Tail Pit StarterPit.
(-) = no data reported, no calculation required



Notes:
- Values < MDL are plotted as MDL value

Sulphide Sulphur versus Total Sulphur

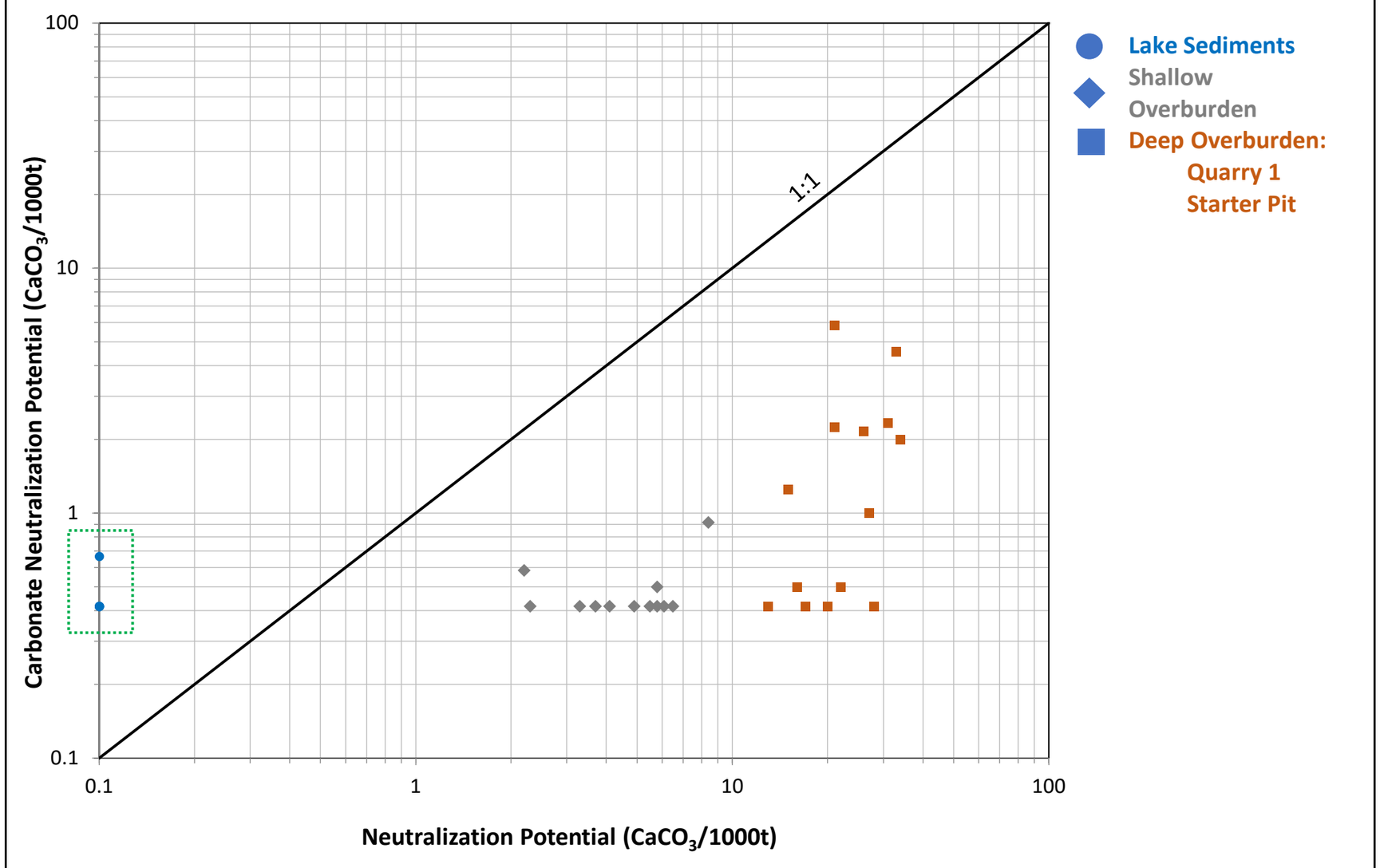
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CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE E- 1



Notes:
- Values < MDL are plotted as MDL value
- Green square indicates negative values which have been assigned a low value to plot on the log-log scale
- CaNP calculated using graphite-corrected carbonate (CO3) where measured (see Appendix C).

Carbonate Neutralization Potential versus Neutralization Potential

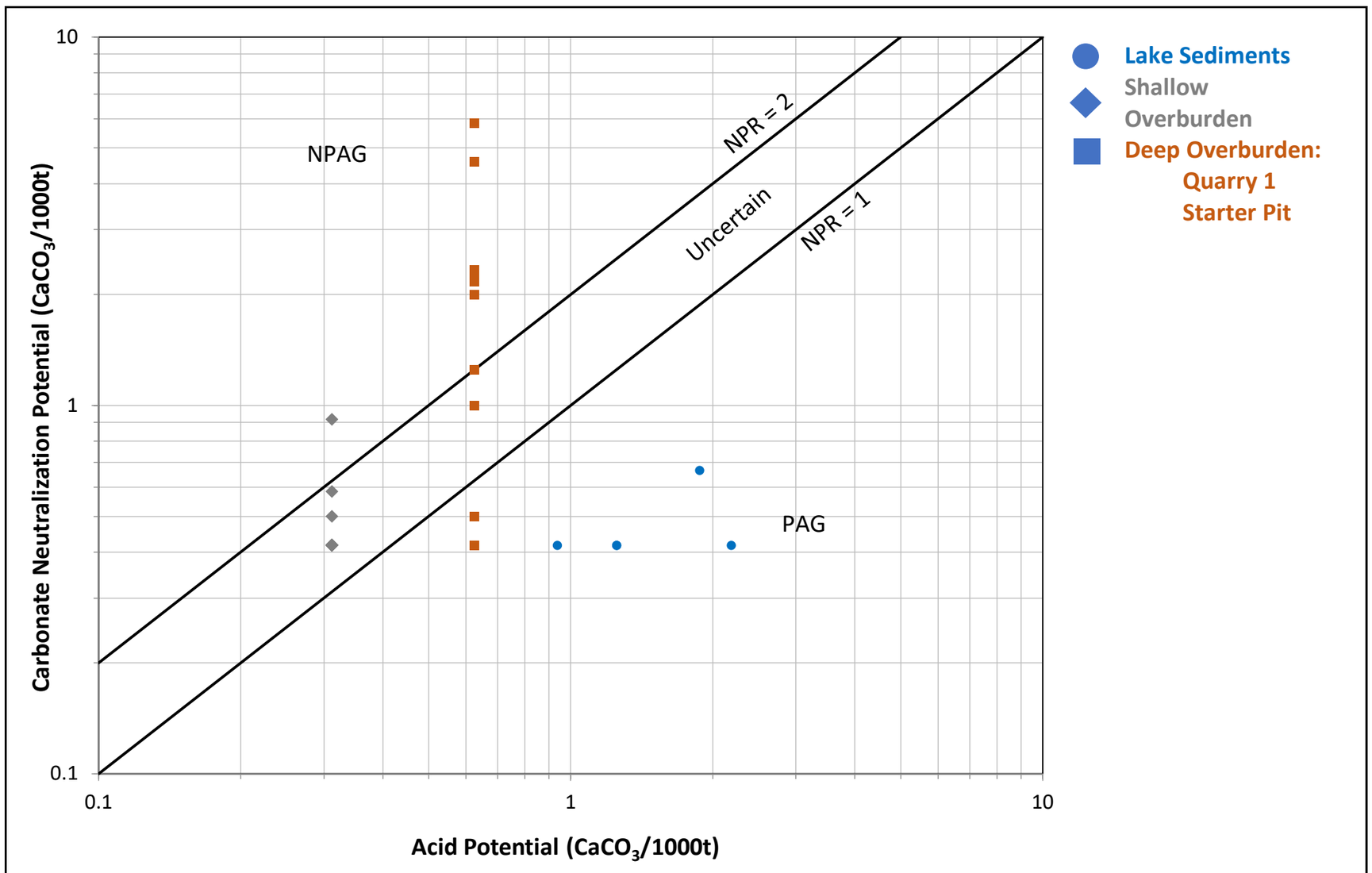
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CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

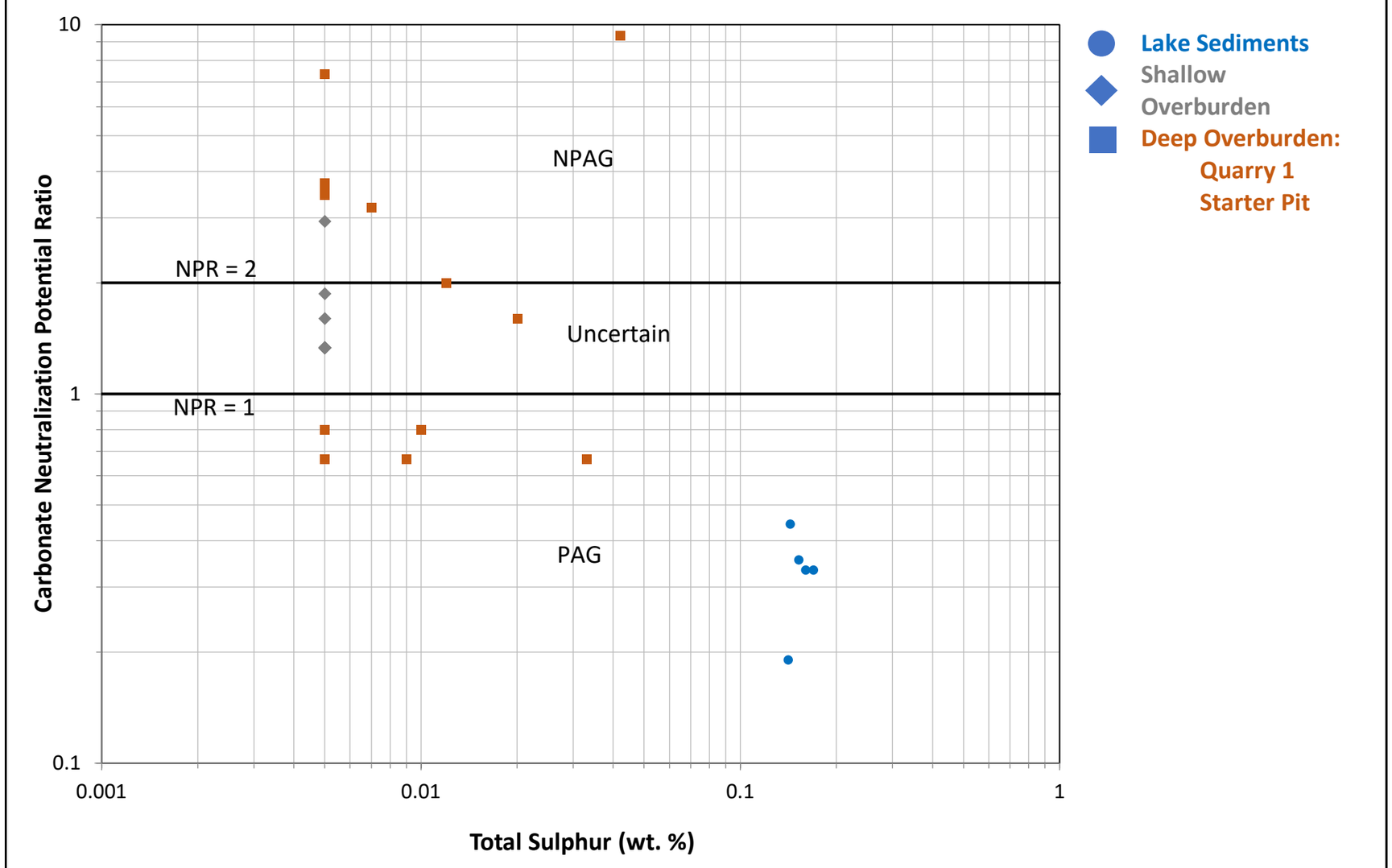
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Meadowbank Division

GOLDER

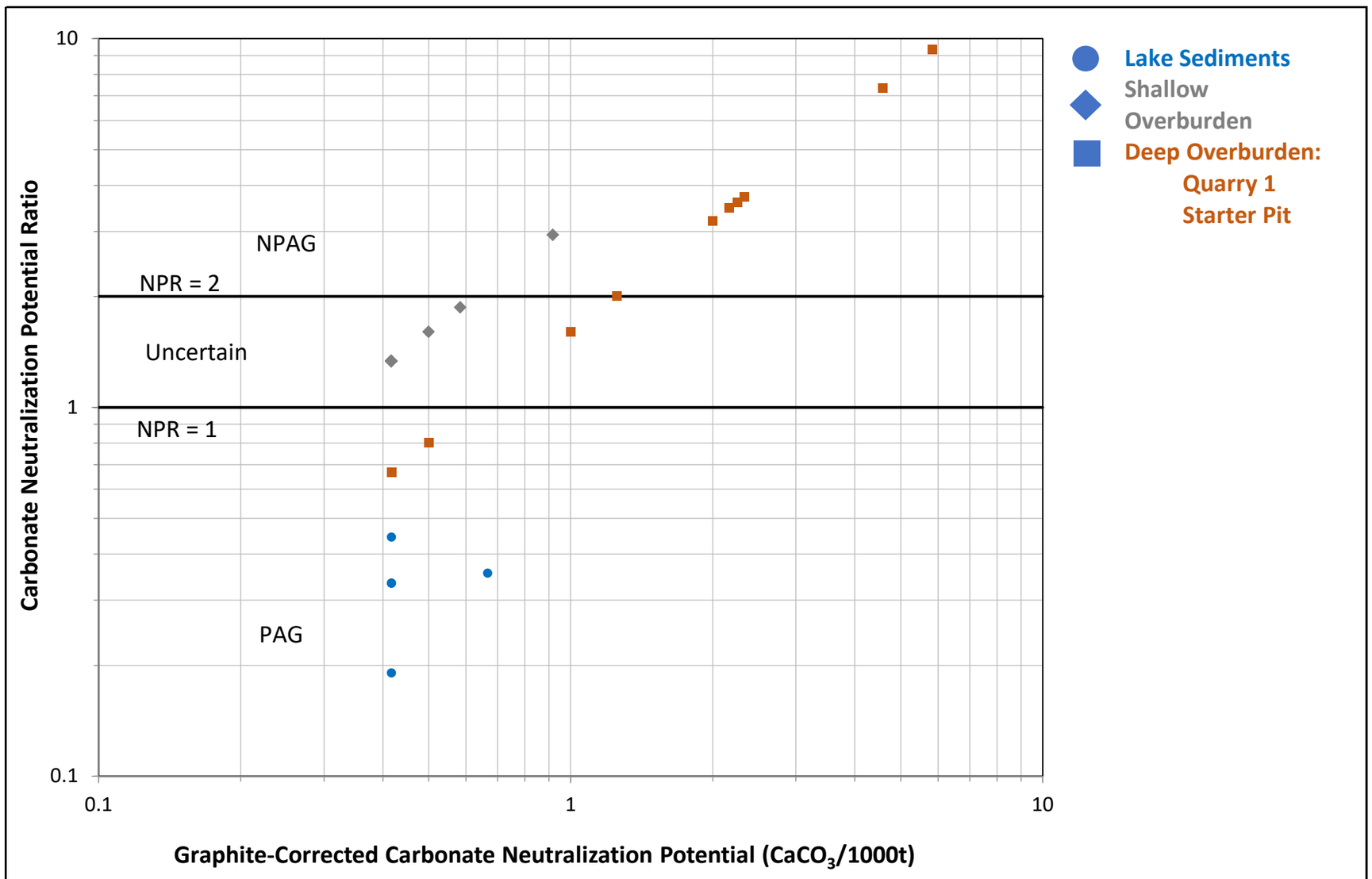
APPENDIX FIGURE E- 2



Notes: - Values < MDL are plotted as MDL value - CaNP calculated using graphite-corrected carbonate (CO3) where measured (see Appendix C).	**Carbonate Neutralization Potential versus Acid Potential**		**Static Testing: Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden**
Criteria: MEND (2009)	PREPARED SD / CHECKED REJ / REVIEWED JMC	DATE Oct-18 / JOB NO 1789310 / PHASE/TASK 9200	**Agnico Eagle Mines Limited Meadowbank Division** GOLDER **APPENDIX FIGURE E- 3**



Notes: - Values < MDL are plotted as MDL value	**Carbonate Neutralization Potential Ratio versus Total Sulphur**		**Static Testing: Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden**
Criteria: MEND (2009)	PREPARED SD / CHECKED REJ / REVIEWED JMC	DATE Oct-18 / JOB NO 1789310 / PHASE/TASK 9200	**Agnico Eagle Mines Limited Meadowbank Division** GOLDER **APPENDIX FIGURE E- 4**



Notes:
- Values < MDL are plotted as MDL value

Criteria:
MEND (2009)

Carbonate Neutralization Potential Ratio versus Carbonate Neutralization Potential

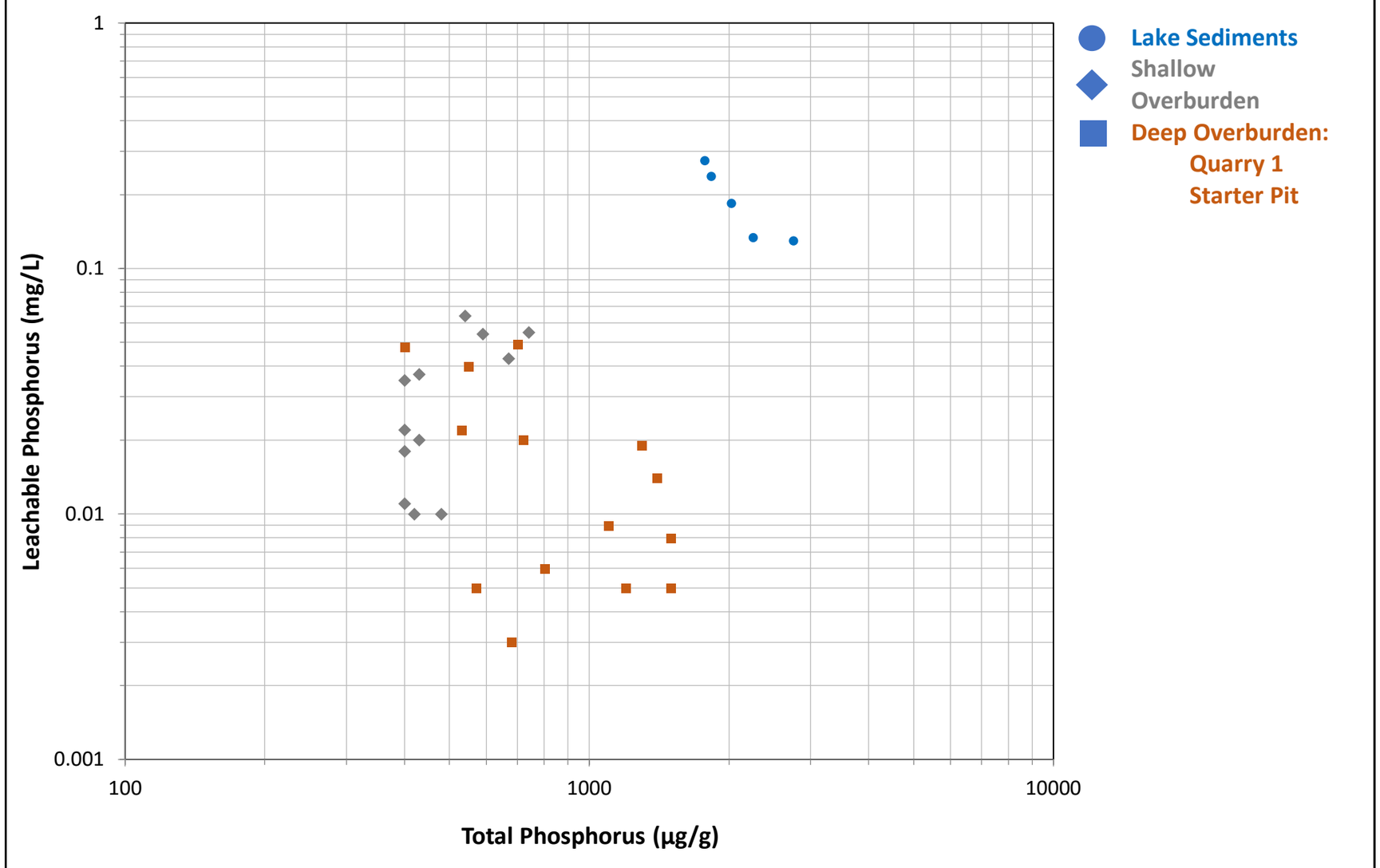
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE E- 5



Notes:
- Values < MDL are plotted as MDL value

Leachable Phosphorous versus Total Phosphorous

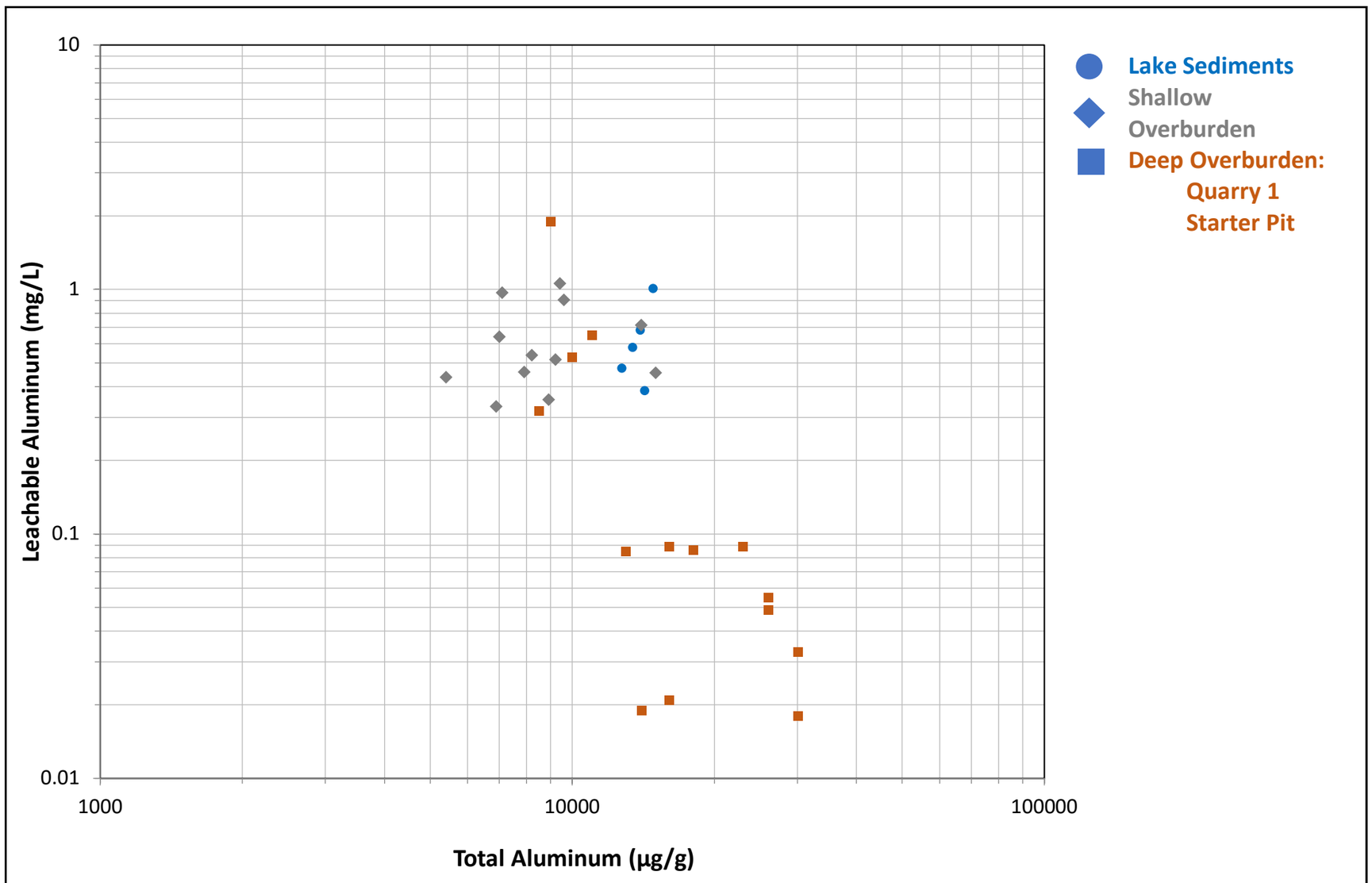
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

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Meadowbank Division

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APPENDIX FIGURE E- 6



Notes:
- Values < MDL are plotted as MDL value

Leachable Aluminum versus Total Aluminum

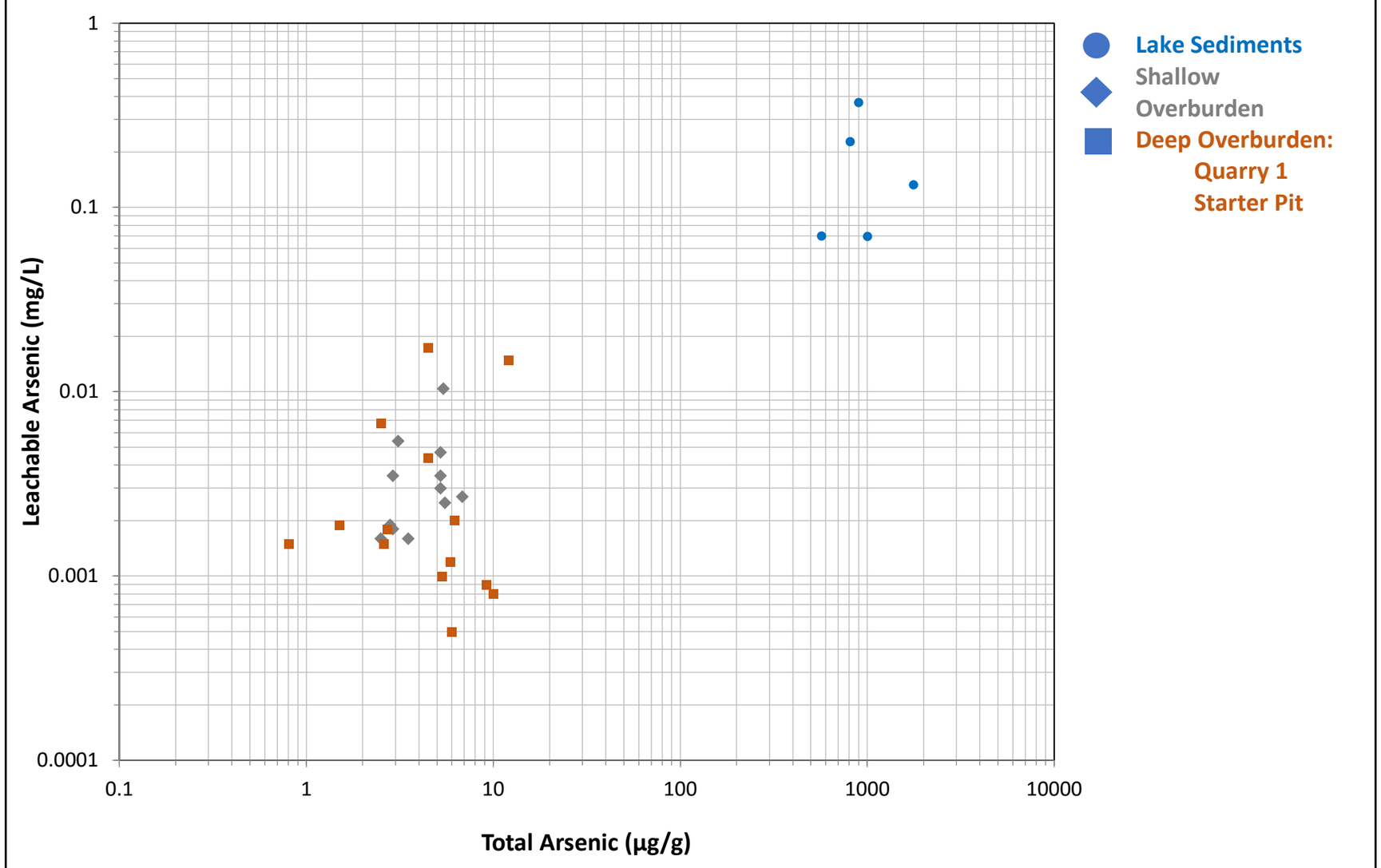
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

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Meadowbank Division

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APPENDIX FIGURE E- 7



Notes:
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Arsenic

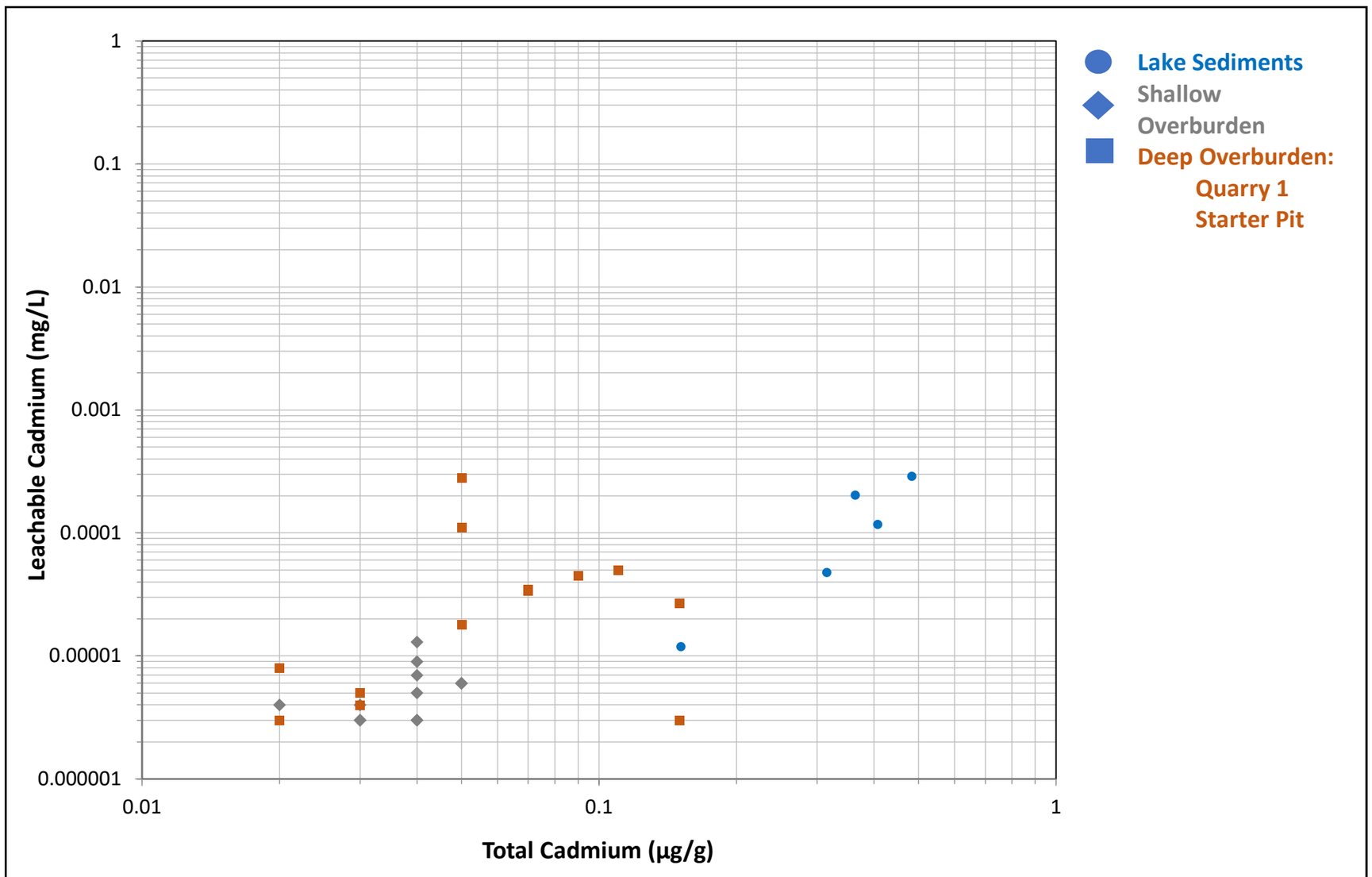
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

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Meadowbank Division

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APPENDIX FIGURE E- 8



Notes:
- Values < MDL are plotted as MDL value

Leachable Cadmium versus Total Cadmium

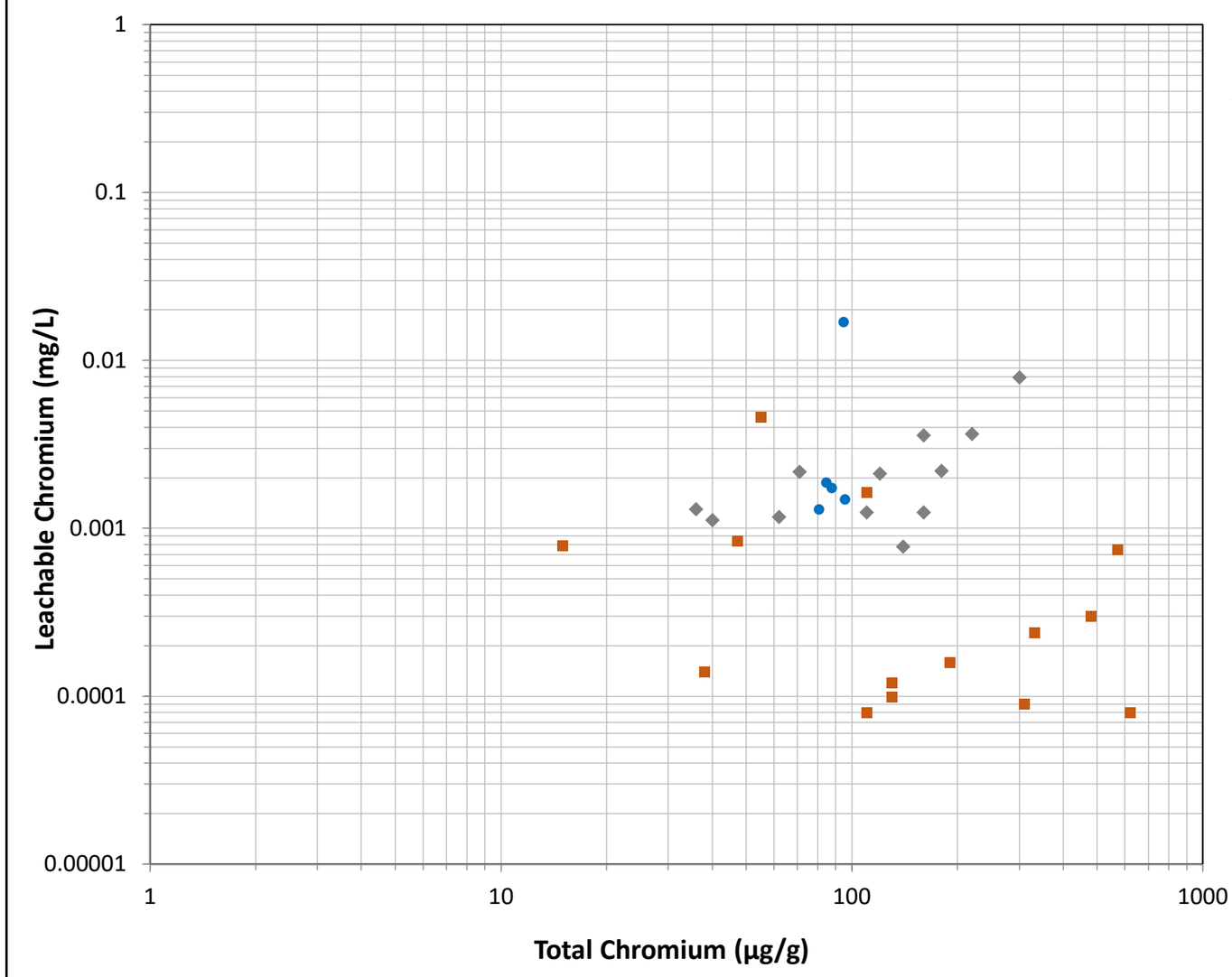
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

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APPENDIX FIGURE E- 9



Notes:
- Values < MDL are plotted as MDL value

Leachable Chromium versus Total Chromium

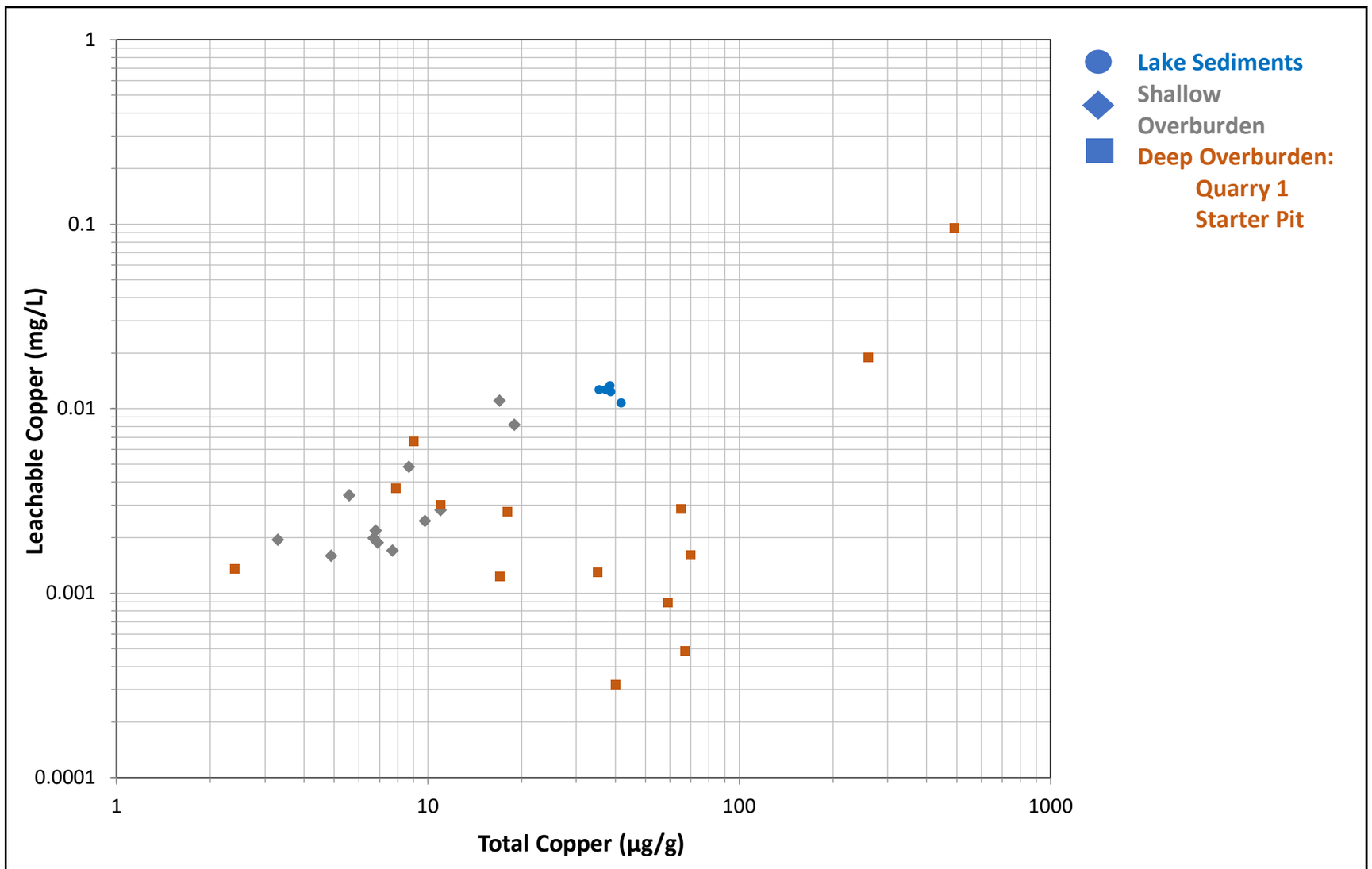
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE E- 10



Notes:
- Values < MDL are plotted as MDL value

Leachable Copper versus Total Copper

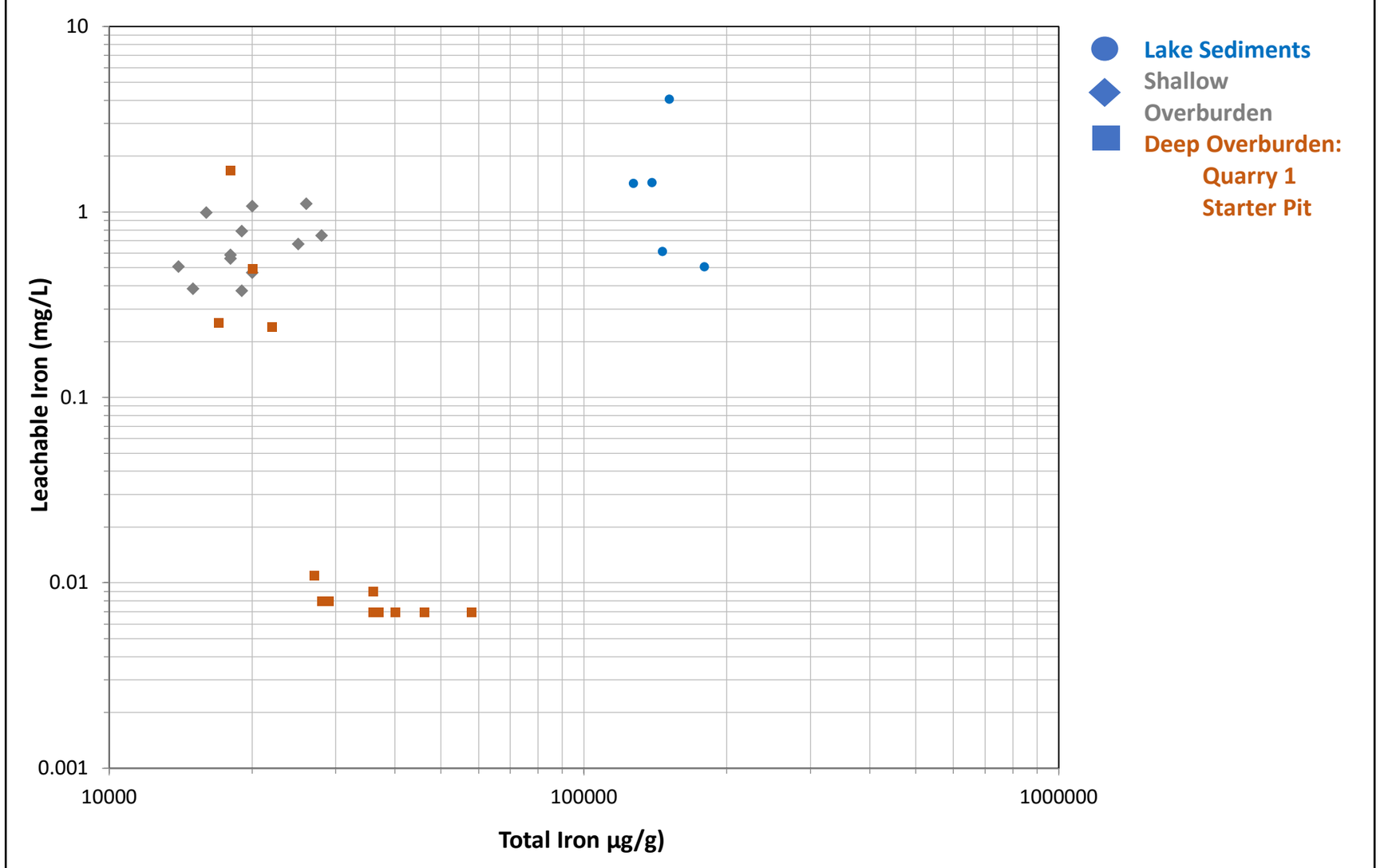
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE E- 11



Notes:
- Values < MDL are plotted as MDL value

Leachable Iron versus Total Iron

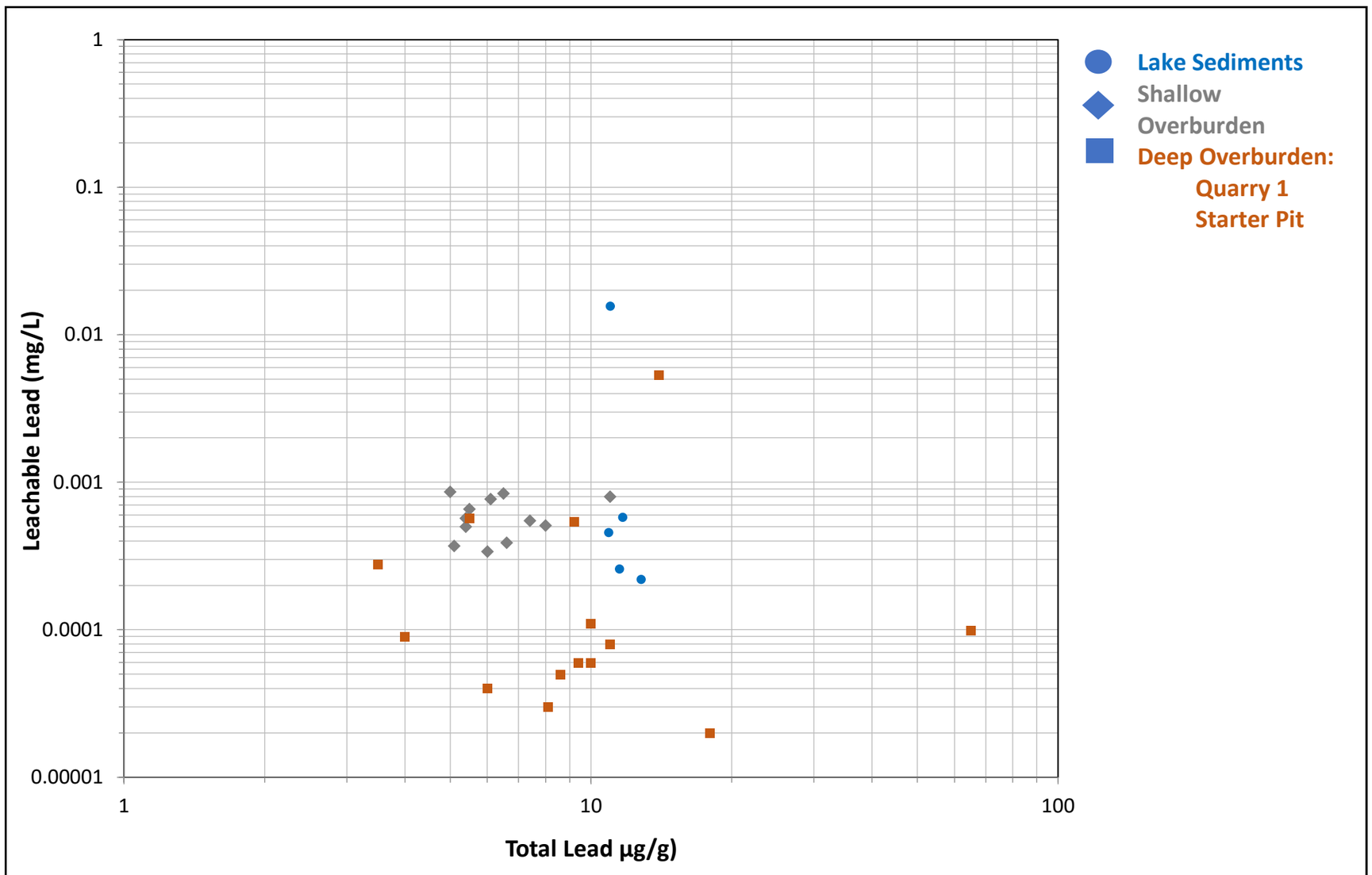
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

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APPENDIX FIGURE E- 12



Notes:
- Values < MDL are plotted as MDL value

Leachable Lead versus Total Lead

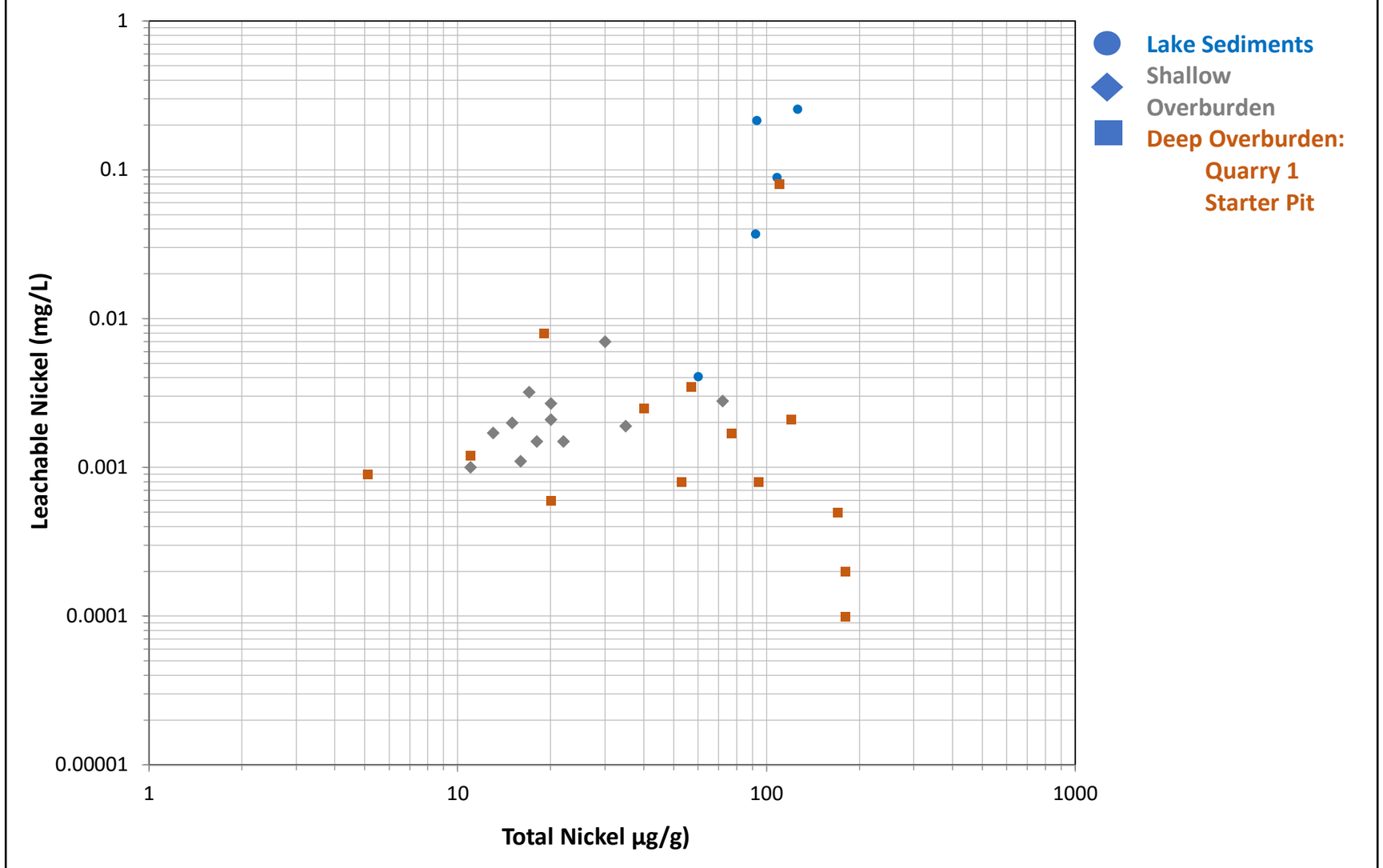
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

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APPENDIX FIGURE E- 13



Notes:
- Values < MDL are plotted as MDL value

Leachable Nickel versus Total Nickel

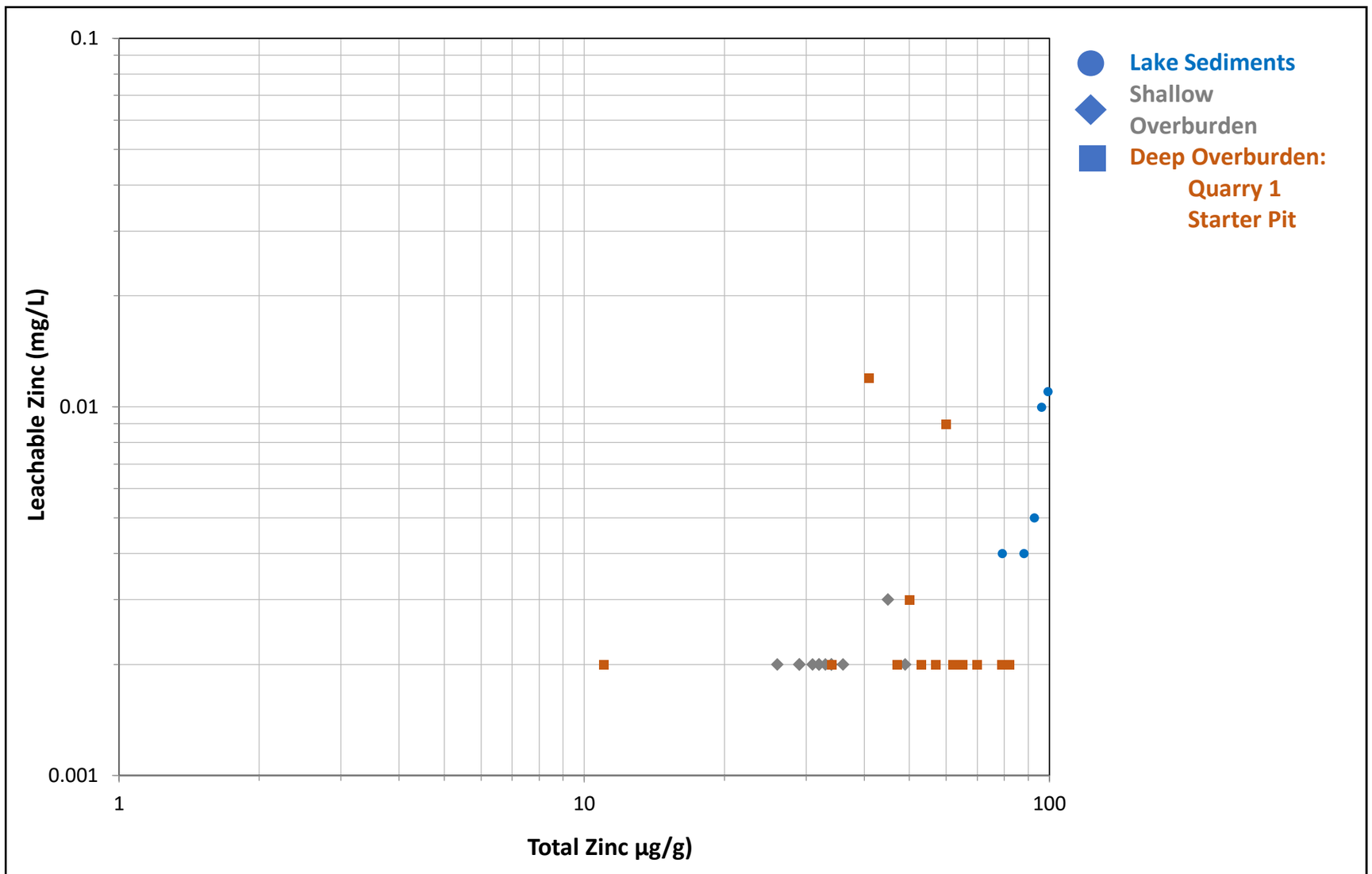
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE E- 14



Notes:
- Values < MDL are plotted as MDL value

Leachable Zinc versus Total Zinc

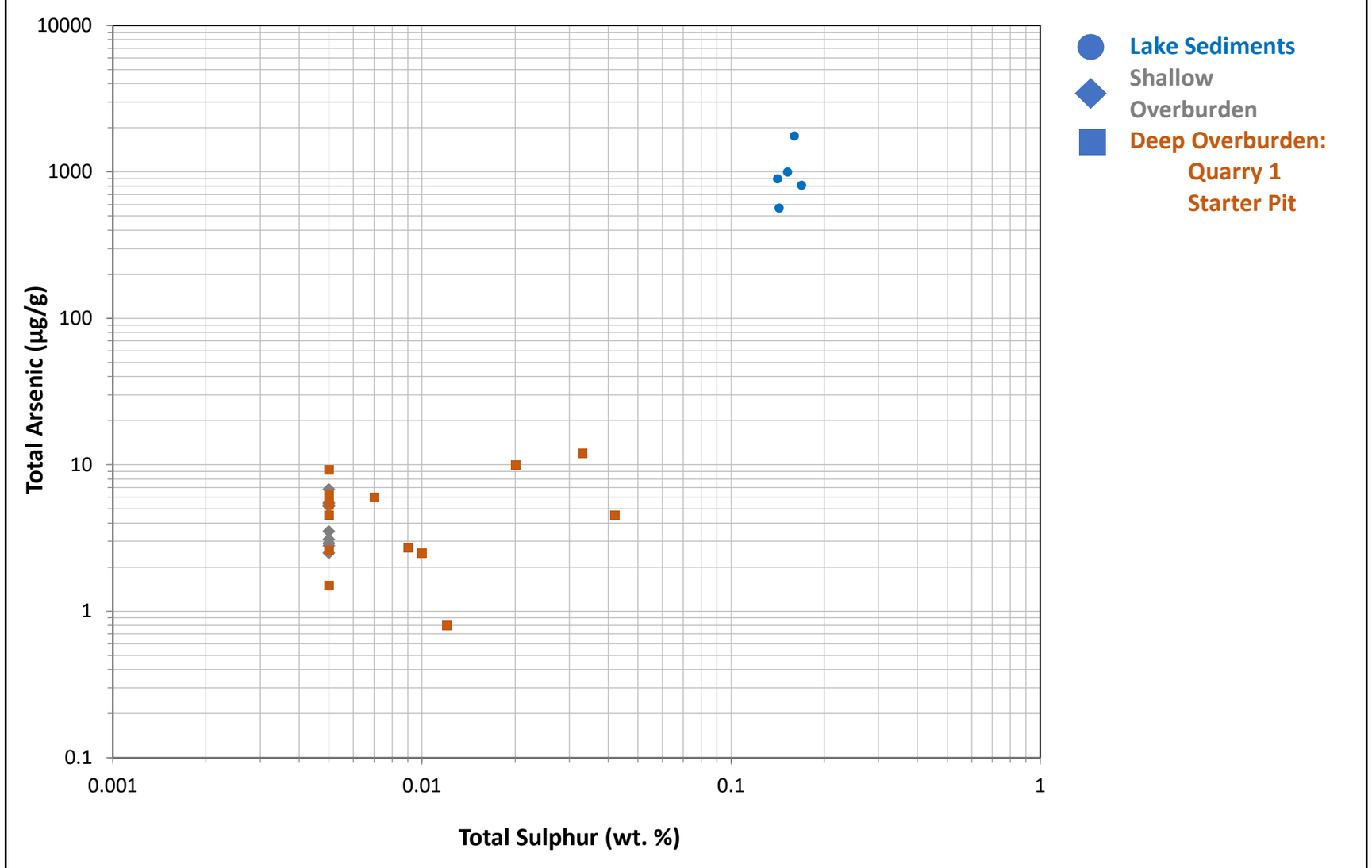
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE E- 15



Notes:
- Values < MDL are plotted as MDL value

Total Arsenic versus Total Sulphur

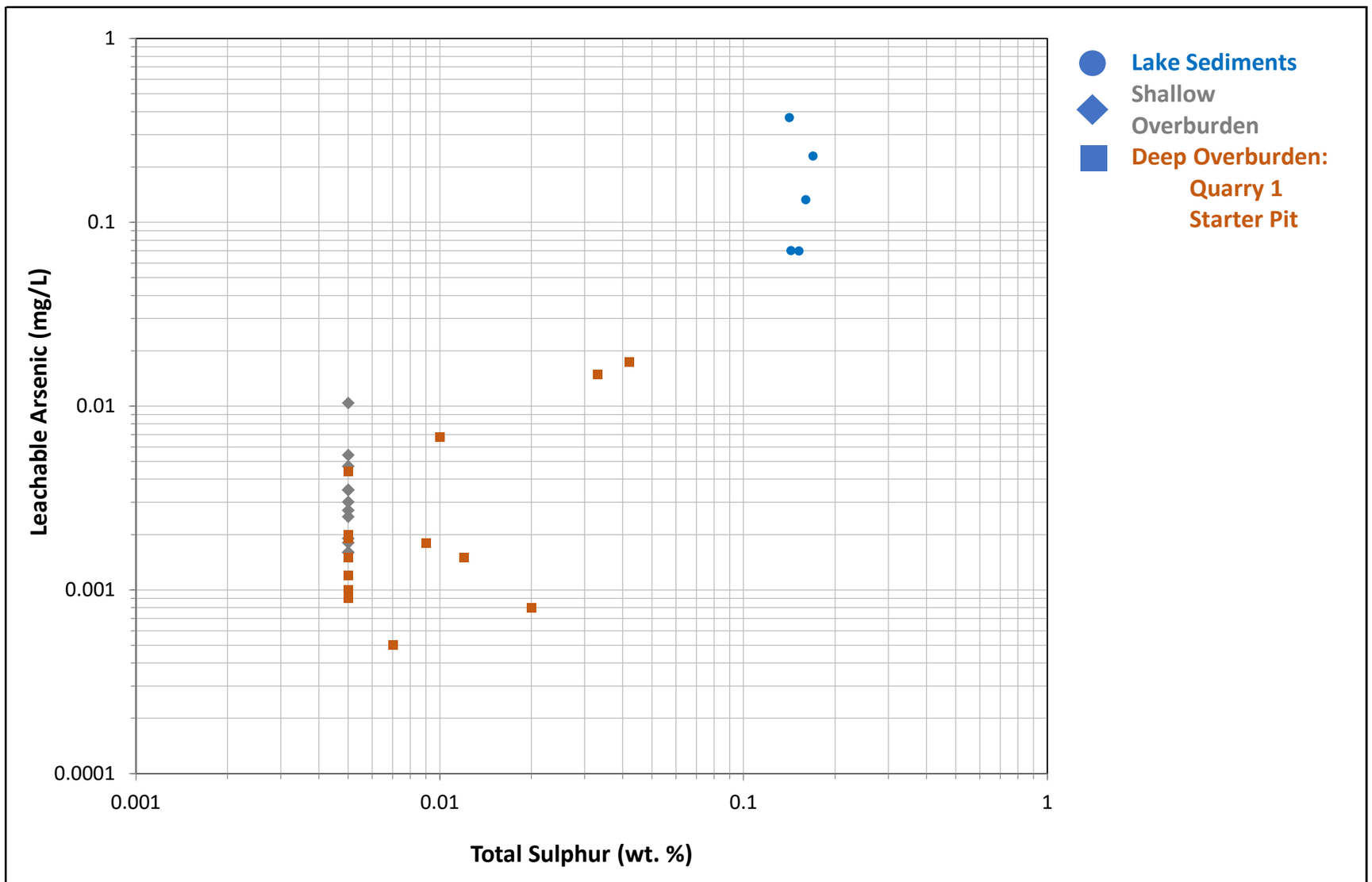
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE E- 16



Notes:
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Sulphur

PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Lake Sediment, Shallow Overburden and Deep Overburden

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE E- 17

APPENDIX F

Waste Rock and Ore Static Test Results: Tables and Figures

APPENDIX F-1

Waste Rock and Ore: Mineralogy by X-Ray Diffraction (XRD) and Rietveld pattern analysis

Appendix F-1
Results of XRD with Rietveld Refinement
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Mineral Group / Mineral name	MINERAL FORMULA	Units	AMQ-ENV-50	AMQ-ENV-63	AMQ-ENV15-008	AMQ-ENV15-025	AMQ-ENV15-096	AMQ-ENV15-054	AMQ-ENV15-007	AMQ-ENV17-25	AMQ-ENV15-107	AMQ-ENV15-065	AMQ-ENV16-43	AMQ-ENV16-47	AMQ-ENV15-120	AMQ-ENV15-063	AMQ-ENV16-Field Cell-UM	AMQ-ENV16-Field Cell-IF
ROCK NAME (MODEL)			Basalts South (V3S)		Chert Central (S10)				Komatiite South (V4A-Ob), Ore	Greywacke South (S3S)	Greywacke Central (S3C)		Greywacke North (S3N)		Greywacke Central (S3C)	Greywacke North (S3N)	Komatiite Charge Material	Iron Formation Charge Material
Location			WT - Pit												WT - UG		WT - Pit	
Carbonates																		
Siderite	$FeCO_3$	wt %	-	-	-	-	0.26	-	3.1	-	-	-	-	-	-	-	-	-
Calcite	$CaCO_3$	wt %	6.1	7.2	1.0	6.5	2.7	1.3	5.5	2.9	1.2	0.99	1.3	1.8	1.0	0.87	5.3	3.5
Ankerite	$CaFe(CO_3)_2$	wt %	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dolomite	$CaMg(CO_3)_2$	wt %	-	-	-	-	-	0.12	-	0.28	-	0.36	-	0.54	0.32	0.16	4.8	1.4
Silicates			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quartz	SiO_2	wt %	18	21	73	53	47	49	25	34	32	32	29	38	38	30	2.9	4.6
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH$	wt %	26	20	6.1	1.7	11	2.8	15	2.6	10	2.9	8.1	4.5	4.0	3.8	35	11
Magnesiohornblende	$Ca_2[Mg_4(Al,Fe^{3+})]Si_7AlO_{22}(OH$	wt %	-	-	-	2.4	-	-	4.1	-	-	-	-	-	-	-	-	-
Talc	$Mg_3Si_4O_{10}(OH)_2$	wt %	3.0	0.39	-	0.84	-	-	5.2	-	-	-	-	-	-	-	11	3.4
Phlogopite	$KMg_3(AlSi_3O_{10})(OH)$	wt %	-	-	-	2.7	4.4	-	18	-	-	-	-	-	-	-	-	-
Albite	$NaAlSi_3O_8$	wt %	22	24	1.5	-	3.3	17	13	39	28	33	29	21	15	28	2.6	3.3
Biotite	$K(Mg,Fe)_3(AlSi_3O_{10})(OH)_2$	wt %	16	17	-	2.7	13	4.0	2.7	6.0	6.0	6.5	4.6	7.5	6.8	15	12	9.5
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$	wt %	-	-	2.9	-	7.5	13	-	9.6	21	19	18	23	29	20	-	-
Almandine	$Fe_3Al_2Si_3O_{12}$	wt %	-	-	3.9	2.0	-	-	-	-	-	-	-	-	-	-	-	-
Cummingtonite	$(Mg,Fe)_7Si_8O_{22}(OH)_2$	wt %	-	-	3.2	15	2.4	-	-	-	-	-	-	-	-	-	-	-
Actinolite	$Ca_2(Mg,Fe)_5Si_8O_{22}(OH)_2$	wt %	-	5.2	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Richterite	$Na(CaNa)(Mg,Fe^{2+})_5[Si_8O_{22}](OH$	wt %	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-
Orthoclase	$KAlSi_3O_8$	wt %	1.1	1.0	-	-	0.73	-	2.7	-	1.5	-	-	-	-	-	-	-
Stilpnomelane	$K_5Fe_{48}[Si_{63}Al_9]O_{168}(OH)_{48}\cdot 12H$	wt %	-	-	0.68	6.4	2.0	-	3.5	-	-	-	-	-	-	-	0.75	3.0
Diopside	$CaMgSi_2O_6$	wt %	-	-	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-
Anorthite	$CaAl_2Si_2O_8$	wt %	5.5	3.1	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-
Microcline	$KAlSi_3O_8$	wt %	-	-	-	-	-	4.8	-	5.9	-	5.7	9.3	4.4	5.6	2.1	-	-
Hornblende	$(Ca,Na)_{2-3}(Mg,Fe,Al)_5Si_6(Si,Al)$	wt %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	55
Sulphides			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrite	FeS_2	wt %	-	-	-	-	-	8.0	2.4	-	-	-	-	-	-	-	-	0.97
Pyrrhotite	$Fe_{(1-x)}S$	wt %	-	-	5.6	3.7	2.1	-	-	-	-	-	-	-	-	-	-	-
Sphalerite	ZnS	wt %	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnetite	Fe_3O_4	wt %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	4.4
Rutile	TiO_2	wt %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51
TOTAL		wt %	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
STATIC ABA RESULTS																		
NAG pH[1]		s.u.	-	-	3	7	4	2	9	11	7	5	8	10	4	7	-	-
CaNP		t $CaCO_3$/ 1000 t	60	57	1	30	14	9.2	19	23	3.5	2.5	11	13	3.8	3.3	91	27
NP			75	79	28	65	35	30	50	39	15	14	-	-	17	15	101	56
AP			3.0	2.1	78	61	38	133	54	4.4	6.6	9.7	8.2	5.6	16	9.7	1.0	32
Total Sulphur		wt %	0.096	0.068	2.5	1.9	1.2	4.3	1.7	0.14	0.21	0.31	0.26	0.18	0.53	0.31	0.032	1.0
CaNPR[2]		ratio	20	27	0.011	0.49	0.37	0.069	0.36	5.3	0.53	0.26	1.4	2.3	0.23	0.33	91	0.85
NPR		ratio	25	37	0.36	1.1	0.93	0.22	0.92	8.8	2.3	1.4	2.8	4.8	1.0	1.5	101	1.8
ARD Potential based on CaNPR[2,3]		-	non-PAG	non-PAG	PAG	PAG	PAG	PAG	PAG	non-PAG	PAG	PAG	uncertain	non-PAG	PAG	PAG	non-PAG	PAG

Notes:
NAG = Net Acid Generation, CaNP = Carbonate Neutralization Potential, NP = Neutralization Potential, AP = Acid Potential, CaNPR = Carbonate Neutralization Potential Ratio, NPR = Net Potential Ratio (NP/AP), ARD = Acid Rock Drainage
(1) NAG pH is the final pH of the single addition NAG tests, or step 1 of sequential NAG test, where applicabl
(2) Carbonate content has been corrected for graphite where applicable
(3) Based off Mend, 2009
(-) indicate that the mineral was not identified by the analyst and not included in the refinement calculation for the sampl

APPENDIX F-2a

Waste Rock and Ore: Mineralogy by Quantitative Evaluation of Materials by Scanning Electron Microscopy (QEMSCAN)

Appendix F-2a
Results of QEMSCAN
Whale Tail Pit, Whale Tail Underground, IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification		AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
Rock Type		Greywacke North (S3N)	Greywacke North (S3N)	Komatiite North (V4A-Oa)	Komatiite South (V4A-Ob)	Basalts North (V3N)
Deposit Location		WT - Pit	WT - Pit	WT - UG	IVR	IVR
Fraction		-300/+3um	-300/+3um	-300/+3um	-300/+3um	-300/+3um
Calculated ESD Particle Size (µm)		30	29	19	29	25
Mineral Mass (%)	Pyrrhotite	0.41	0.079	0.13	0.094	3.7
	Pyrite	0.0012	0.038	0.029	0.00071	0.016
	Arsenopyrite	0.018	0.0053	0.0028	0.0036	0.0047
	Chalcopyrite	0.0062	0.012	0.0027	0.012	0.016
	Pentlandite	0.0028	0.00042	0.078	0.0096	0.099
	Gersdorffite	0	0	0.054	0.061	0.082
	Other Sulphides	0.0051	0.010	0.0010	0.00047	0.00032
	Quartz	36	37	0.13	14	22
	K-Feldspar	0.78	7.5	0.0033	0.14	0.093
	Plagioclase	15	8.6	1.3	4.7	0.34
	Amphibole/Pyroxene	0.56	0.29	46	0.98	37
	Muscovite	31	34	0.088	0.41	3.9
	Biotite	7.9	4.5	3.1	7.5	5.8
	Chlorite	2.8	5.2	29	25	15
	Talc	0.013	0.051	12	31	4.2
	Other Silicates	2.6	0.71	0.88	0.047	1.3
	Ti-Oxides	0.11	0.15	0.32	0.25	0.16
	Fe-Oxides	0.0070	0.047	0.64	0.0042	0.017
	Calcite	1.8	1.3	2.8	0.093	5.0
	Dolomite	0	0.20	1.8	2.3	0.12
	Ankerite	0	0.021	1.7	14	1.6
	Apatite	0.43	0.26	0.053	0.033	0.087
	Other	0.016	0.017	0.0086	0.0073	0.014
	Total	100.0	100.0	100.0	100.0	100.0
Mineralogical ARD	NP from Ca-Mg Carbonates (tonnes $CaCO_3$/1000 tonnes)	18	15	63	163	67
	AP from Fe-Sulphides (tonnes $CaCO_3$/1000 tonnes)	4.9	1.6	2.0	1.1	44
	NP/AP	3.7	9.5	32	146	1.5
	Available NP/AP	3.8	9.7	33	163	1.5

Notes:

NP = Neutralization Potential

AP = Acid Generation Potential

"Available NP/AP" takes into account the exposure of Ca Mg-carbonates and Fe-sulphides.

A carbonate/sulphide ratio > 2 indicates probable net neutralizing conditions. Only net acid consuming carbonates (Ca-Mg carbonates) are used for the mineralogical neutralization potential (NP) determination. Only Fe-sulphides are used for the mineralogical acid generation potential (AGP) as they are the main sulphides to contribute to net acidity.

In cases of low carbonate and sulphide abundance (typically <0.5 wt.% of each), values are only semi-quantitative due to low particle statistics for study. More replicate analyses are recommended to properly quantify the NP/AGP potential of these samples.

Calculations assume that Fe in ankerite doesn't oxidize.

APPENDIX F-2b

Waste Rock and Ore: Mineralogy by Scanning Electron Microscopy (SEM) and Optical Microscopy

Échantillon AMQ-ENV-31 (référence URSTM : U49307)

Les minéraux sulfurés sont essentiellement représentés par la pyrrhotite (FeS) et la gesrdorffite (NiAsS) avec des traces de pentlandite ($(Fe,Ni)_9S_8$), pyrite (FeS_2) et de chalcopyrite ($CuFeS_2$) (*figure 1*). La pyrrhotite contient des traces de Ni. La gersdorffite contient du Fe et du Co. Un seul grain de gersdorffite contenant de la Nickéline (NiAs) a été observé (*figure 1)*.

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 1*.

Tableau 1 : Microanalyses chimiques des minéraux sulfurés au MEB-EDS de l'échantillon AMQ-ENV-31

	S	Fe	Co	Ni	Cu	As	Sb	Total
Gersdorffite	18.73	6.72	2.42	23.97		48.17		100.01
Gersdorffite	20.63	6.61	3.05	20.49		49.21		99.99
Gersdorffite	21.31	5.33	1.57	18.94		52.85		100
Gersdorffite	20.26	6.85	5.52	17.9		49.48		100.01
Gersdorffite	18.6	5.68	1.2	25.79		48.73		100
Gersdorffite	19.52	7.14	1.8	23.96		47.59		100.01
Gersdorffite	22.68	6.22	2.33	16.39		52.39		100.01
Gersdorffite	21.07	6.05	1.46	18.95		52.48		100.01
Gersdorffite	19.08	7.97	5.03	20.78		47.14		100
Gersdorffite	19.43	5.85	3.44	23.95		47.33		100
Gersdorffite	18.44	5.96		26.37		49.23		100
Gersdorffite	19.84	5.76	2.4	25.08		46.92		100
Gersdorffite	18.91	6.77	1	25.7		47.62		100
Gersdorffite	19.34	7.43	1.44	25.08		46.72		100.01
Gersdorffite	21.69	5.94		19.4		52.97		100
Gersdorffite	22.01	5.65	1.13	17.37		53.84		100
Gersdorffite	20.01	5.86	1.11	22.43		50.57		99.98
Gersdorffite	18.99	5.86	3.24	24.16		47.75		100
Gersdorffite	20.12	1.75		31.84		45.22	1.07	100
Gersdorffite	19.06	7.15	4.76	22.03		47		100
Nickeline				43.17		55.98	0.85	100
Nickeline		0.47		42.32		57.21		100
Nickeline		1.26		29.87		68.86		99.99
Pentlandite	36.54	28.18		35.28				100
Pentlandite	46.1	27.25		26.64				99.99
Pentlandite	42.75	26.91		30.34				100
Pentlandite	47.19	25.66		27.15				100
Pyrite	55.39	42.85		1.76				100
Pyrite	54.72	43.72		1.55				99.99
Pyrite	55.84	44.16						100
Pyrite	55.19	44.81						100
Chalcopyrite	39.43	28.48			32.09			100
Chalcopyrite	38.36	29.46			32.18			100

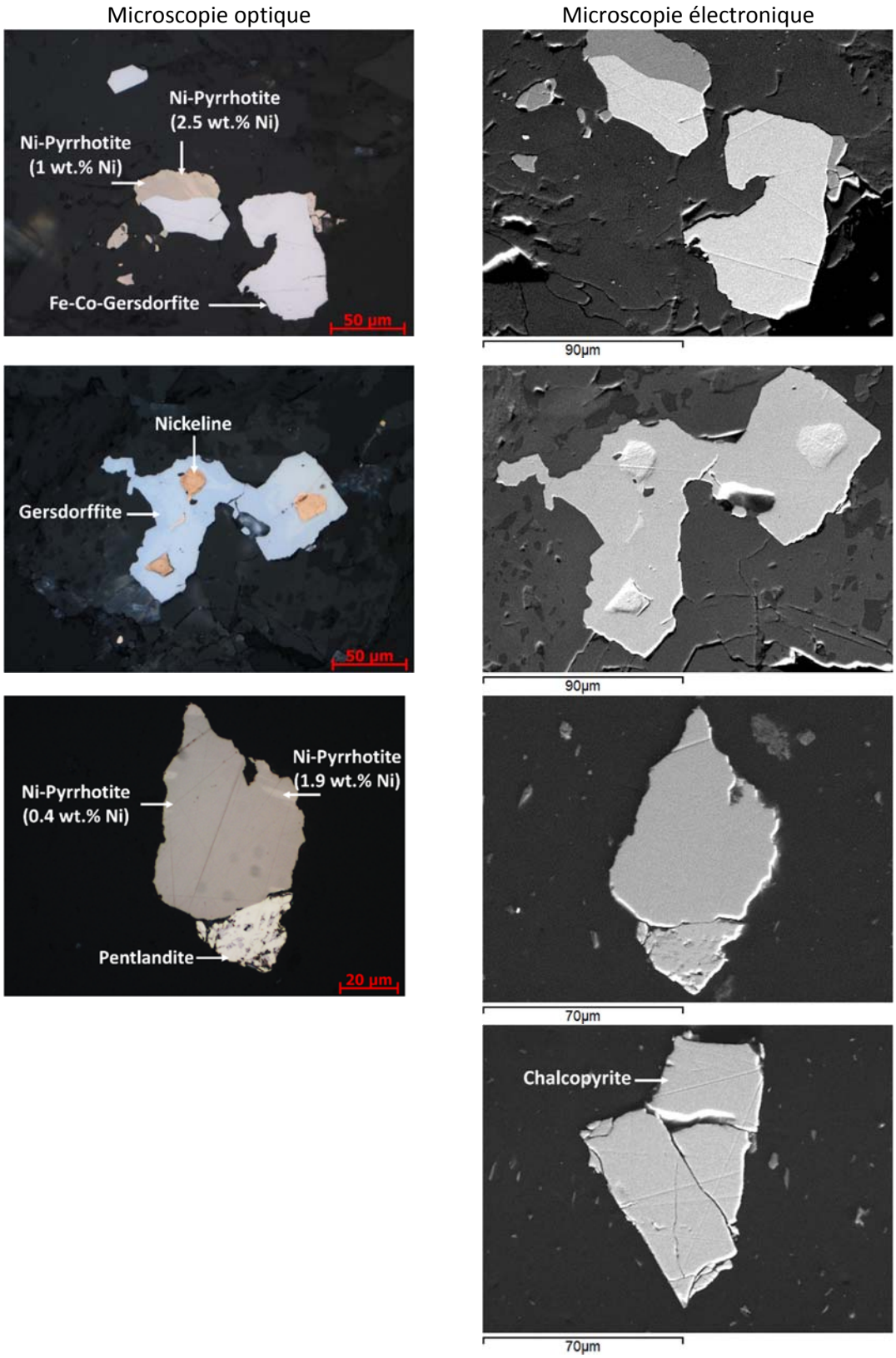


Figure 1 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-31

Échantillon AMQ-ENV-125 (référence URSTM : U49309)

Les minéraux sulfurés sont représentés par la pyrrhotite (FeS), la pyrite (FeS_2) et la gersdorffite (NiAsS) avec des traces de pentlandite ($(Fe,Ni)_9S_8$) et de chalcopyrite ($CuFeS_2$) (*figure 2*). Cet échantillon contient plus de pyrite (FeS_2) et moins de gersdorffite (NiAsS) que l'échantillon AMQ-ENV-31.

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 2*.

Tableau 2 : Microanalyses chimiques des minéraux sulfurés au MEB-EDS de l'échantillon AMQ-ENV-125

	S	Fe	Co	Ni	As	Cu	Total
Gersdorffite	21.99	6.83	7.87	13.62	49.69		100
Gersdorffite	22.08	10.31	3.43	16.98	47.21		100
Gersdorffite	21.28	8.29	4.73	16.75	48.96		100
Gersdorffite	20.8	9.97	3.85	18.62	46.76		100
Gersdorffite	21.35	6.94	6.23	16.25	49.23		100
Gersdorffite	20.92	5.29	19.81	7.9	46.08		100
Gersdorffite	21.62	11.37		20.42	46.59		100
Gersdorffite	20.18	10.33	2.44	20.27	46.77		100
Gersdorffite	22.47	11.04	3.58	16.18	46.74		100
Gersdorffite	21.09	4.25	22.82	5.95	45.9		100
Gersdorffite	20.47	3.64	24.35	5.66	45.88		100
Gersdorffite	21.33	10.11	2.85	20.27	45.44		100
Gersdorffite	21.01	11.05	1.23	20.55	46.16		100
Gersdorffite	21.74	9.2	2.39	17.47	49.2		100
Gersdorffite	21.55	8.85	3.81	15.6	50.2		100
Gersdorffite	22.45	7.64	7.98	11.93	50.01		100
Gersdorffite	21.78	10.95	4.69	17.46	45.11		100
Pentlandite	39.09	30.09		30.82			100
Pentlandite	36.55	31.19		32.26			100
Pentlandite	38.95	41.25		19.8			100
Pentlandite	39.44	29.63		30.93			100
Pentlandite	36.93	31.82		31.25			100
Pentlandite	42.65	34.77		22.58			100
Pentlandite	39.22	29.68		31.1			100
Pentlandite	38	30.28		31.72			100
Pentlandite	43.73	33.77		22.5			100
Pentlandite	41.16	33.49		25.35			100
Pyrrhotite	42.25	57.75					100
Pyrrhotite	44.97	55.03					100
Pyrrhotite	45.43	54.57					100
Pyrrhotite	42.08	57.92					100
Pyrrhotite	41.94	58.06					100
Pyrrhotite	44.77	55.23					100
Pyrrhotite	47.07	52.93					100
Chalcopyrite	43.09	28.38				28.53	100
Chalcopyrite	40.29	30.07				29.63	100
Pyrite	53.58	46.42					100
Pyrite	56.34	43.66					100

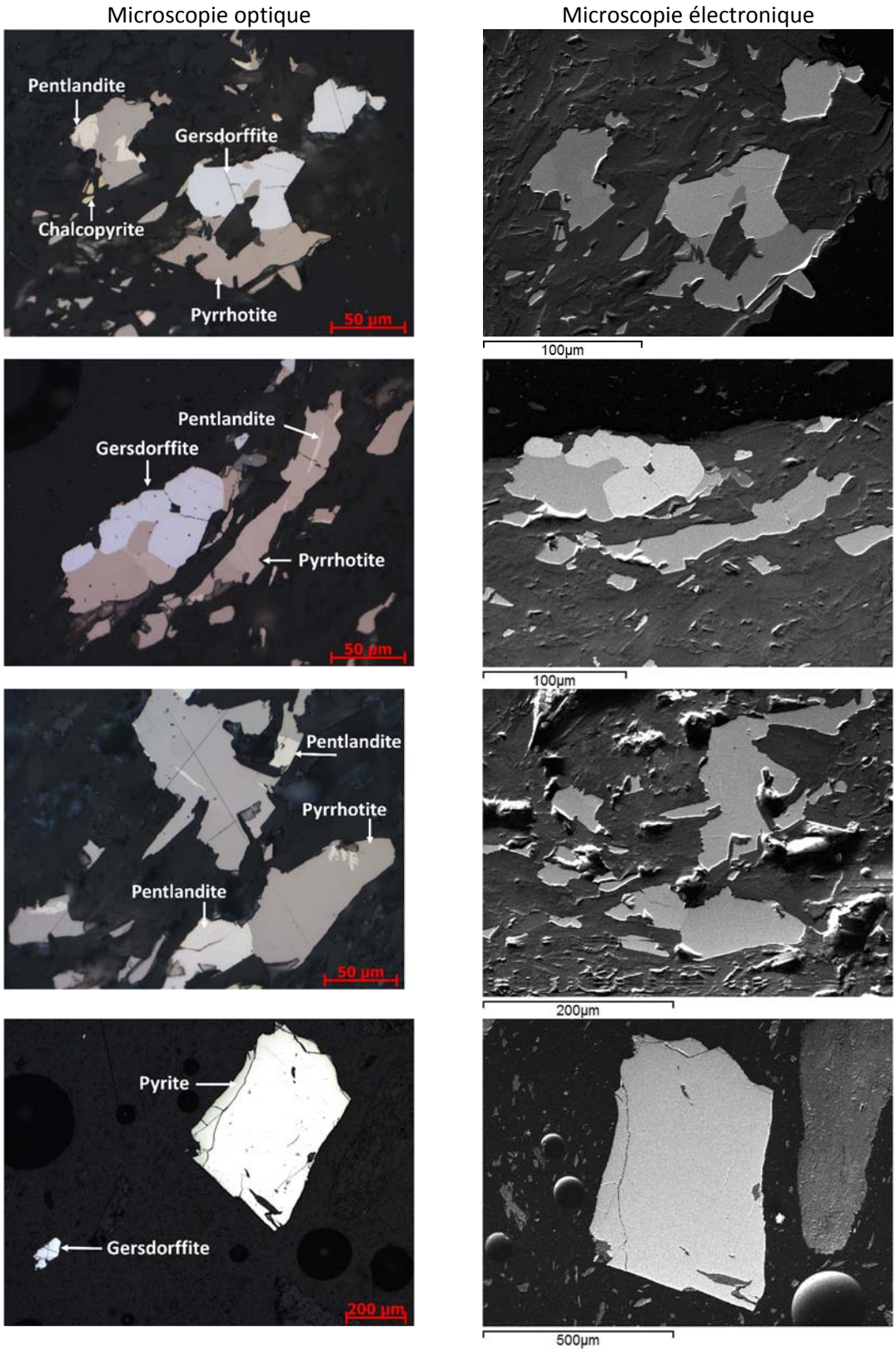


Figure 2 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-125

Échantillon AMQ-ENV-43 (référence URSTM : U49308)

De manière générale, l'échantillon contient moins de minéraux sulfurés que les deux échantillons précédents. Ils sont représentés essentiellement par la gersdorffite, avec des traces de pyrrhotite et de pentlandite. Aucune pyrite ni chalcopyrite n'ont été observées.

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 3*.

Tableau 3 : Microanalyses chimiques des minéraux sulfurés au MEB-EDS de l'échantillon AMQ-ENV-43

	S	Fe	Co	Ni	As	Total
Gersdorffite	21.5	6.8	2.6	20.1	49.0	100
Gersdorffite	20.1	10.5	2.1	16.6	50.7	100
Gersdorffite	21.2	7.6	2.8	22.8	45.6	100
Gersdorffite	20.8	7.8	3.0	20.9	47.4	100
Gersdorffite	20.7	7.6	2.9	20.5	48.3	100
Gersdorffite	22.6	6.2	2.6	17.1	51.6	100
Gersdorffite	20.1	8.0	3.3	22.3	46.4	100
Gersdorffite	19.1	6.5	4.9	22.8	46.7	100
Gersdorffite	20.2	4.6	5.1	24.9	45.2	100
Gersdorffite	20.4	4.1	5.3	24.8	45.4	100
Gersdorffite	20.0	7.3	8.8	18.3	45.7	100
Gersdorffite	20.1	8.2	3.2	21.7	46.9	100
Gersdorffite	21.0	8.4	2.5	21.8	46.3	100
Gersdorffite	20.0	7.6	3.3	23.2	46.0	100
Gersdorffite	21.3	7.1	2.8	19.9	48.9	100
Gersdorffite	20.8	7.6	2.6	21.5	47.6	100
Gersdorffite	21.1	7.4	2.4	19.4	49.7	100
Gersdorffite	19.8	9.4	1.8	22.2	46.8	100
Gersdorffite	22.7	8.0	1.4	17.8	50.0	100
Gersdorffite	20.9	6.5	6.1	16.4	50.1	100
Gersdorffite	20.6	8.4	3.0	22.4	45.7	100
Gersdorffite	20.2	8.3	2.4	23.0	46.0	100
Gersdorffite	19.4	8.2	2.5	23.6	46.2	100
Pyrrhotite	41.9	56.7		1.4		100
Pyrrhotite	41.4	52.3		6.3		100
Pentlandite	41.1	24.6		34.4		100
Pentlandite	35.5	25.2		39.3		100
Pentlandite	41.1	24.6		34.4		100
Pentlandite	35.5	25.2		39.3		100

Microscopie optique

Microscopie électronique

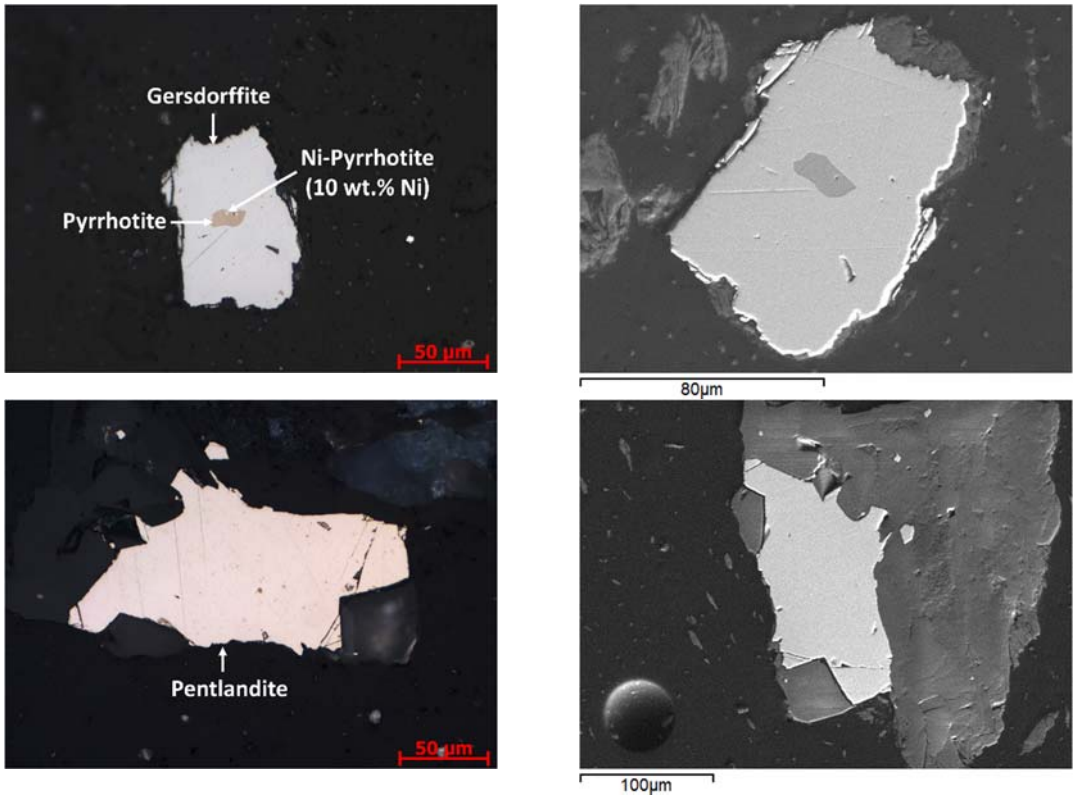


Figure 3 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-43

Appendix F-3
Acid-Base Accounting Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (Model)	Acid Base Accounting (ABA) - Calculated[3]					ABA - Laboratory Reported[6]							
				Carbonate	CaNP	AP	CaNPR	ARD Potential[4] CaNPR	Paste pH	NP Modified Sobek with Siderite Correction	NP Modified Sobek	Sulphur (total)	Acid Leachable Sulphate	Sulphide	Total Carbon	Graphitic Carbon
				%CO_3	t $CaCO_3$/1000 t			ratio	s.u.	t CaCO3/1000 t		%				
AMQ-ENV17-32	IVR	Ore	V3-1a	5.1	84	1.1	79	NPAG	9.5	100	-	0.034	0.030	< 0.02	1.1	< 0.05
AMQ-ENV17-34	IVR	Ore	V3-1a	8.3	138	7.9	17	NPAG	9.1	145	-	0.25	0.090	0.16	1.8	< 0.05
AMQ-ENV17-80	IVR	Ore	V3-1a	3.3	56	1.6	36	NPAG	9.8	109	-	0.050	< 0.02	0.040	0.73	< 0.05
AMQ-ENV16-13	IVR	Waste	V3-1a	2.2	37	11	3.3	NPAG	9.6	-	61	0.37	0.16	0.21	0.64	< 0.05
AMQ-ENV16-14	IVR	Waste	V3-1a	2.4	40	11	3.7	NPAG	9.3	-	64	0.35	0.10	0.25	0.69	< 0.05
AMQ-ENV16-18	IVR	Waste	V3-1a	3.2	53	12	4.5	NPAG	9.4	-	76	0.38	0.11	0.27	0.81	< 0.05
AMQ-ENV16-41	IVR	Waste	V3-1a	1.4	24	13	1.9	uncertain	9.1	-	46	0.40	0.14	0.26	0.73	0.26
AMQ-ENV16-52	IVR	Waste	V3-1a	1.5	24	3.3	7.4	NPAG	9.2	-	37	0.10	0.040	0.060	0.35	< 0.05
AMQ-ENV16-53	IVR	Waste	V3-1a	3.2	54	46	1.2	uncertain	9.1	-	85	1.5	0.44	1.0	1.0	0.10
AMQ-ENV16-54	IVR	Waste	V3-1a	4.9	82	37	2.2	NPAG	9.3	-	114	1.2	0.37	0.80	1.5	0.15
AMQ-ENV16-56	IVR	Waste	V3-1a	4.6	76	9.9	7.7	NPAG	9.8	-	93	0.32	0.11	0.21	1.0	< 0.05
AMQ-ENV16-57	IVR	Waste	V3-1a	1.7	28	14	2.1	NPAG	9.3	-	46	0.43	0.11	0.32	0.44	< 0.05
AMQ-ENV16-60	IVR	Waste	V3-1a	4.1	68	1.9	36	NPAG	9.6	-	83	0.061	0.020	0.040	0.86	< 0.05
AMQ-ENV16-61	IVR	Waste	V3-1a	7.0	116	0.78	148	NPAG	9.7	-	120	0.025	< 0.02	0.020	1.6	< 0.05
AMQ-ENV16-62	IVR	Waste	V3-1a	2.1	35	9.2	3.8	NPAG	9.3	-	50	0.29	0.10	0.19	0.52	< 0.05
AMQ-ENV17-33	IVR	Waste	V3-1a	7.2	120	3.6	33	NPAG	9.0	118	-	0.12	0.060	0.060	1.5	< 0.05
AMQ-ENV17-35	IVR	Waste	V3-1a	0.42	7.0	8.6	0.82	PAG	9.8	50	-	0.28	0.10	0.18	0.11	< 0.05
AMQ-ENV17-36	IVR	Waste	V3-1a	4.5	75	5.7	13	NPAG	9.1	27	-	0.18	0.050	0.13	0.97	< 0.05
AMQ-ENV17-41	IVR	Waste	V3-1a	2.6	43	8.6	4.9	NPAG	9.4	58	-	0.28	0.080	0.19	0.57	< 0.05
AMQ-ENV17-42	IVR	Waste	V3-1a	4.1	68	2.2	31	NPAG	9.3	65	-	0.070	0.030	0.040	0.85	< 0.05
AMQ-ENV17-45	IVR	Waste	V3-1a	2.3	38	2.5	15	NPAG	9.4	47	-	0.081	0.050	0.030	0.50	< 0.05
AMQ-ENV17-77	IVR	Waste	V3-1a	6.4	106	0.63	170	NPAG	9.0	109	-	0.020	< 0.02	0.030	1.3	< 0.05
AMQ-ENV17-78	IVR	Waste	V3-1a	1.7	28	7.8	3.6	NPAG	9.2	32	-	0.25	< 0.02	0.24	0.43	< 0.05
Basalts North (V3N-1a) IVR Ore			Bulk[5]	-	278	11	26	NPAG	-	354	-	-	-	-	-	-
			Minimum	3.3	56	1.1	17	-	9.1	100	-	0.034	< 0.02	<0.02	0.73	< 0.05
			Maximum	8.3	138	7.9	79	-	9.8	145	-	0.25	0.090	0.16	1.8	0.050
			Median	5.1	84	1.6	36	-	9.5	109	-	0.050	0.030	0.040	1.1	0.050
			Average	5.6	93	3.5	44	-	9.4	118	-	0.11	0.047	0.073	1.2	0.050
			Standard Deviation	2.5	42	3.8	32	-	0.36	24	-	0.12	0.038	0.076	0.54	8.5E-18
			75th Percentile	6.7	111	4.7	57	-	9.7	127	-	0.15	0.060	0.10	1.5	0.050
Basalts North (V3N-1a) IVR Waste			Bulk[5]	-	1121	207	5.4	NPAG	-	506	-	-	-	-	-	-
			Minimum	0.42	7.0	0.63	0.82	-	9.0	-	37	0.020	< 0.02	0.020	0.11	< 0.05
			Maximum	7.2	120	46	170	-	9.8	118	120	1.5	0.44	1.0	1.6	0.26
			Median	2.9	48	8.6	4.7	-	9.3	54	70	0.28	0.090	0.19	0.77	0.050
			Average	3.4	56	10	25	-	9.3	63	73	0.33	0.11	0.23	0.82	0.068
			Standard Deviation	1.9	32	11	47	-	0.24	33	27	0.36	0.11	0.25	0.40	0.051
			75th Percentile	4.5	75	12	19	-	9.5	76	87	0.37	0.11	0.25	1.0	0.050
AMQ-ENV17-39	IVR	Waste	V3-1b	0.52	8.7	2.4	3.7	NPAG	9.9	36	-	0.076	0.050	0.030	0.11	< 0.05
AMQ-ENV16-01	WT - Pit	Waste	V3-1b	0.18	2.9	1.1	2.7	NPAG	9.0	19	-	0.034	0.030	< 0.02	0.070	< 0.05
AMQ-ENV-07	WT - Pit	Waste	V3-1b	2.8	47	1.2	39	NPAG	8.8	76	-	0.039	0.030	0.010	0.57	< 0.01
AMQ-ENV16-06	WT - Pit	Waste	V3-1b	0.29	4.8	3.0	1.6	uncertain	9.1	18	-	0.095	0.020	0.070	0.081	< 0.05
AMQ-ENV15-006	WT - Pit	Waste	V3-1b	1.6	26	0.31	84	NPAG	9.2	51	-	0.010	0.010	< 0.01	0.35	< 0.01
AMQ-ENV-08	WT - Pit	Waste	V3-1b	1.0	17	1.8	9.5	NPAG	9.8	51	-	0.056	0.040	0.020	0.21	< 0.01
AMQ-ENV15-004	WT - Pit	Waste	V3-1b	0.76	13	1.1	11	NPAG	9.6	36	-	0.036	< 0.01	0.030	0.19	< 0.01
AMQ-ENV16-02	WT - Pit	Waste	V3-1b	0.74	12	2.7	4.6	NPAG	9.0	26	-	0.086	0.030	0.060	0.20	< 0.05
AMQ-ENV15-024	WT - Pit	Waste	V3-1b	0.56	9.3	1.1	8.5	NPAG	9.7	37	-	0.035	0.020	0.020	0.15	< 0.01
AMQ-ENV15-094	WT - Pit	Waste	V3-1b	1.7	29	0.75	38	NPAG	9.6	59	-	0.024	0.010	0.010	0.42	< 0.01
AMQ-ENV15-005	WT - Pit	Waste	V3-1b	2.5	42	0.16	269	NPAG	9.3	61	-	< 0.005	< 0.01	< 0.01	0.56	< 0.01
AMQ-ENV-09	WT - Pit	Waste	V3-1b	2.6	44	1.4	32	NPAG	9.9	70	-	0.044	0.020	0.020	0.53	< 0.01
AMQ-ENV16-04	WT - Pit	Waste	V3-1b	4.6	77	0.47	163	NPAG	9.2	94	-	0.015	< 0.02	< 0.02	0.93	< 0.05
AMQ-ENV15-022	WT - Pit	Waste	V3-1b	1.8	29	2.6	11	NPAG	10.0	62	-	0.084	0.030	0.050	0.40	< 0.01
AMQ-ENV15-013	WT - Pit	Waste	V3-1b	1.2	20	0.94	22	NPAG	9.8	42	-	0.030	< 0.01	0.030	0.27	< 0.01
AMQ-ENV-63	WT - Pit	Waste	V3-1b	3.4	57	2.1	27	NPAG	10	79	-	0.068	0.030	0.040	0.76	< 0.01
AMQ-ENV16-03	WT - Pit	Waste	V3-1b	0.75	12	2.9	4.3	NPAG	9.7	27	-	0.092	0.020	0.070	0.18	< 0.05
AMQ-ENV15-001	WT - Pit	Waste	V3-1b	0.36	6.0	2.8	2.2	NPAG	9.7	26	-	0.088	0.020	0.070	0.10	< 0.01
AMQ-ENV15-104	WT - Pit	Waste	V3-1b	1.2	20	0.47	43	NPAG	9.8	46	-	0.015	< 0.01	0.010	0.28	< 0.01
AMQ-ENV16-12	WT - Pit	Waste	V3-1b	0.98	16	0.63	26	NPAG	9.6	30	-	0.020	0.020	< 0.02	0.22	< 0.05
AMQ-ENV-50	WT - Pit	Waste	V3-1b	3.6	60	3.0	20	NPAG	9.8	75	-	0.096	0.030	0.070	0.80	< 0.01
AMQ-ENV16-07	WT - Pit	Waste	V3-1b	2.5	41	0.94	44	NPAG	9.8	63	-	0.030	0.030	< 0.02	0.54	< 0.05
AMQ-ENV16-11	WT - Pit	Waste	V3-1b	2.9	49	0.53	91	NPAG	9.8	62	-	0.017	< 0.02	< 0.02	0.59	< 0.05
AMQ-ENV16-09	WT - Pit	Waste	V3-1b	1.0	17	0.94	19	NPAG	9.7	38	-	0.030	0.030	< 0.02	0.23	< 0.05
AMQ-ENV16-10	WT - Pit	Waste	V3-1b	1.6	27	0.53	50	NPAG	9.6	39	-	0.017	< 0.02	< 0.02	0.34	< 0.05
AMQ-ENV16-08	WT - Pit	Waste	V3-1b	2.4	40	3.2	12	NPAG	9.7	57	-	0.10	0.040	0.060	0.50	< 0.05
AMQ-ENV-118	WT - Pit	Waste	V3-1b	2.7	45	4.6	9.8	NPAG	10.0	71	-	0.15	0.030	0.12	0.54	0.02*
AMQ-ENV-61	WT - Pit	Waste	V3-1b	4.2	70	2.1	34	NPAG	10.0	92	-	0.066	0.030	0.040	0.90	< 0.01
AMQ-ENV-51	WT - Pit	Waste	V3-1b	1.5	26	0.75	34	NPAG	10.0	52	-	0.024	0.020	< 0.01	0.35	< 0.01
AMQ-ENV-113	WT - Pit	Waste	V3-1b	2.1	35	3.1	11	NPAG	10.0	60	-	0.099	0.040	0.060	0.42	< 0.01
AMQ-RMP-12	UG	Waste	V3-1b	0.030	0.50	0.63	0.80	PAG	9.5	-	33	0.020	0.020	< 0.01	0.037	0.020
AMQ-RMP-11	UG	Waste	V3-1b	0.43	7.1	16	0.44	PAG	9.5	-	53	0.51	0.080	0.43	0.13	0.020
AMQ-ENV17-61	UG	Waste	V3-1b	0.75	13	1.2	10	NPAG	9.8	30	-	0.039	< 0.02	0.030	0.17	< 0.05
AMQ-ENV15-052	UG	Waste	V3-1b	4.5	76	0.81	93	NPAG	9.9	106	-	0.026	0.030	< 0.01	0.95	< 0.01
AMQ-ENV15-044	UG	Waste	V3-1b	1.8	30	0.16	192	NPAG	9.8	53	-	< 0.005	< 0.01	< 0.01	0.41	< 0.01
AMQ-ENV17-48	UG	Waste	V3-1b	2.1	34	2.6	13	NPAG	9.8	69	-	0.083	0.050	0.030	0.45	< 0.05
AMQ-ENV17-60	UG	Waste	V3-1b	1.7	29	2.2	13	NPAG	10.0	35	-	0.070	< 0.02	0.060	0.37	< 0.05
AMQ-ENV17-53	UG	Waste	V3-1b	1.9	32	7.2	4.5	NPAG	9.7	52	-	0.23	0.12	0.11	0.43	< 0.05
AMQ-ENV15-050	UG	Waste	V3-1b	2.9	49	0.97	51	NPAG	9.9	77	-	0.031	0.030	< 0.01	0.63	< 0.01
AMQ-ENV17-28	UG	Waste	V3-1b	0.50	8.3	3.3	2.6	NPAG	10	29	-	0.10	0.060	0.040	0.12	< 0.05
AMQ-ENV17-52	UG	Waste	V3-1b	0.79	13	2.2	6.1	NPAG	9.8	35	-	0.070	0.030	0.040	0.19	< 0.05
AMQ-ENV15-070	UG	Waste	V3-1b	2.1	36	0.16	228	NPAG	10	54	-	< 0.005	< 0.01	< 0.01	0.45	< 0.01
AMQ-ENV17-27	UG	Waste	V3-1b	1.1	19	1.1	18	NPAG	9.9	40	-	0.034	0.030	< 0.02	0.25	< 0.05
AMQ-ENV17-54	UG	Waste	V3-1b	1.2	20	0.16	130	NPAG	9.9	50	-	< 0.005	< 0.02	< 0.02	0.27	< 0.05
Basalts South (V3S-1b) WT-Pit Waste			Bulk[5]	-	892	47	19	NPAG	-	1519	-	-	-	-	-	-
			Minimum	0.18	2.9	0.16	1.6	-	8.8	18	-	< 0.005	< 0.01	< 0.01	0.070	< 0.01
			Maximum	4.6	77	4.6	269	-	10	94	-	0.15	0.040	0.12	0.93	0.050
			Median	1.6	27	1.1	22	-	9.7	52	-	0.036	0.020	0.020	0.35	0.010
			Average	1.8	31	1.6	39	-	9.5	52	-	0.052	0.023	0.036	0.40	0.026
			Standard Deviation	1.2	20	1.1	56	-	0.34	21	-	0.036	0.0094	0.027	0.24	0.020
			75th Percentile	2.6	44	2.7	39	-	9.8	63	-	0.086	0.030	0.060	0.54	0.050
Basalts South (V3S-1b) UG Waste			Bulk[5]	-	-	-	-	NPAG	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	< 0.005	< 0.01	< 0.01	-	< 0.01
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-34	WT - Pit	Ore	S10_03	1.6	26	70	0.37	PAG	9.4	38	-	2.3	0.24	2.0	1.3	0.96*
AMQ-ENV15-073	WT - Pit	Ore	S10_03	0.040	0.67	6.6	0.10	PAG	9.8	11	-	0.21	0.070	0.14	0.024	< 0.01
AMQ-ENV15-138	WT - Pit	Ore	S10_03	0.31	5.2	37	0.14	PAG	9.9	18	-	1.2	0.39	0.79	0.25	0.060
AMQ-ENV15-139	WT - Pit	Ore	S10_03	1.3	22	2.6	8.5	NPAG	10	33	-	0.082	0.030	0.050	0.33	< 0.05
AMQ-ENV17-21	WT - Pit	Ore	S10_03	1.3	21	73	0.29	PAG	10	37	-	2.3	0.55	1.8	0.44	< 0.05
AMQ-ENV15-009	WT - Pit	Ore	S10_03	0.52	8.7	61	0.14	PAG	9.1	13	-	1.9	0.57	1.4	0.54	0.16
AMQ-ENV15-025	WT - Pit	Ore	S10_03	1.8	30	61	0.49	PAG	9.7	65	-	1.9	0.91	1.0	1.3	0.50
AMQ-ENV17-19	WT - Pit	Ore	S10_03	0.43	7.1	6.9	1.0	uncertain	10.0	27	-	0.22	0.15	0.070	0.11	< 0.05
AMQ-ENV-40	WT - Pit	Waste	S10_03	0.93	16	41	0.38	PAG	9.3	21	-	1.3	0.18	1.1	0.29	0.12*
AMQ-ENV15-037	WT - Pit	Waste	S10_03	-0.32	-5.3	119	-0.045	PAG	5.9	4.1	-	3.8	1.8	2.0	1.0	0.94
AMQ-ENV15-091	WT - Pit	Waste	S10_03	0.29	4.8	45	0.11	PAG	8.5	11	-	1.4	< 0.01	1.5	0.27	0.030
AMQ-ENV15-054	WT - Pit	Waste	S10_01	0.55	9.2	133	0.069	PAG	8.4	30	-	4.3	0.26	4.0	0.28	< 0.01
AMQ-ENV15-088	WT - Pit	Waste	S10_03	0.28	4.7	154	0.030	PAG	8.8	23	-	4.9	2.7	2.2	0.97	0.69
AMQ-ENV15-019	WT - Pit	Waste	S10_03	0.34	5.7	83	0.068	PAG	8.8	21	-	2.7	< 0.01	2.9	0.71	0.27
AMQ-ENV15-092	WT - Pit	Waste	S10_01	0.86	14	112	0.13	PAG	9.1	38	-	3.6	1.1	2.4	0.72	0.18
AMQ-ENV15-046	WT - Pit	Waste	S10_03	0.62	10	83	0.12	PAG	9.0	33	-	2.7	0.070	2.6	0.51	< 0.01
AMQ-ENV15-008	WT - Pit	Waste	S10_03	0.050	0.83	78	0.011	PAG	9.4	28	-	2.5	1.2	1.3	1.4	1.0
AMQ-ENV-48	WT - Pit	Waste	S10_03	0.57	9.5	123	0.078	PAG	8.4	84	-	3.9	< 0.01	4.0	1.1	0.38
AMQ-ENV15-048	WT - Pit	Waste	S10_03	1.6	27	4.8	5.5	NPAG	9.8	37	-	0.15	0.070	0.080	0.47	0.040
AMQ-ENV15-096	WT - Pit	Waste	S10_03	0.83	14	38	0.37	PAG	9.8	35	-	1.2	0.70	0.51	1.6	1.1
AMQ-ENV-53	WT - Pit	Waste	S10_03	0.66	11	19	0.57	PAG	9.8	38	-	0.62	0.27	0.35	0.39	0.070
AMQ-ENV15-141	WT - Pit	Waste	S10_03	-0.100	-1.7	118	-0.014	PAG	9.4	8.0	-	3.8	1.8	2.0	0.26	0.10
AMQ-ENV15-061	WT - Pit	Waste	S10_03	0.40	6.6	15	0.43	PAG	9.9	21	-	0.49	0.26	0.23	0.16	< 0.01
AMQ-ENV15-043	UG	Ore	S10_03	-0.12	-2.0	124	-0.016	PAG	9.0	32	-	4.0	2.4	1.6	1.3	1.0
AMQ-ENV15-115	UG	Waste	S10_03	0.60	10	36	0.28	PAG	10	31	-	1.1	0.27	0.87	0.53	0.15
AMQ-ENV15-067	UG	Waste	S10_03	-0.11	-1.8	81	-0.023	PAG	9.7	73	-	2.6	< 0.01	2.7	1.7	0.88
Chert Central (S10) WT-Pit Ore			Bulk[5]	-	121	318	0.38	PAG	-	242	-	-	-	-	-	-
			Minimum	0.040	0.67	2.6	0.10	-	9.1	11	-	0.082	0.030	0.050	0.024	< 0.01
			Maximum	1.8	30	73	8.5	-	10	65	-	2.3	0.91	2.0	1.3	0.50
			Median	0.89	15	49	0.33	-	9.9	30	-	1.6	0.32	0.91	0.38	0.050
			Average	0.90	15	40	1.4	-	9.6	30	-	1.3	0.36	0.91	0.54	0.13
			Standard Deviation	0.65	11	30	2.9	-	0.34	18	-	0.97	0.30	0.78	0.51	0.17
			75th Percentile	1.4	23	63	0.63	-	10.0	37	-	2.0	0.56	1.5	0.73	0.11
Chert Central (S10) WT-Pit Waste			Bulk[5]	-	126	1166	0.11	PAG	-	432	-	-	-	-	-	-
			Minimum	-0.32	-5.3	4.8	-0.045	-	5.9	4.1	-	0.15	< 0.01	0.080	0.16	< 0.01
			Maximum	1.6	27	154	5.5	-	9.9	84	-	4.9	2.7	4.0	1.6	1.1
			Median	0.55	9.2	83	0.11	-	9.1	28	-	2.7	0.26	2.0	0.51	0.14
			Average	0.50	8.4	78	0.52	-	7.0	29	-	2.5	0.70	1.8	0.67	0.35
			Standard Deviation	0.47	7.8	48	1.4	-	0.99	19	-	1.5	0.84	1.3	0.44	0.42
			75th Percentile	0.75	12	118	0.37	-	9.6	36	-	3.8	1.2	2.5	1.0	0.61
Chert Central (S10) UG Waste			Bulk[5]	-	-	-	-	PAG	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	-	< 0.01	-	-	-
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix F-3
Acid-Base Accounting Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (Model)	Acid Base Accounting (ABA) - Calculated[3]					ABA - Laboratory Reported[6]							
				Carbonate	CaNP	AP	CaNPR	ARD Potential[4] CaNPR	Paste pH	NP Modified Sobek with Siderite Correction	NP Modified Sobek	Sulphur (total)	Acid Leachable Sulphate	Sulphide	Total Carbon	Graphitic Carbon
				$\%CO_3$	t $CaCO_3$/1000 t			ratio	s.u.	t CaCO3/1000 t		%				
AMQ-ENV15-100	WT - Pit	Waste	I2S	0.93	15	6.0	2.6	NPAG	9.6	35	-	0.19	0.060	0.13	0.28	< 0.01
AMQ-ENV15-077	WT - Pit	Waste	I2S	2.1	36	2.2	16	NPAG	9.8	55	-	0.070	0.020	0.050	0.51	< 0.01
AMQ-ENV-114	WT - Pit	Waste	I2S	0.39	6.5	1.4	4.5	NPAG	10.0	39	-	0.046	0.020	0.030	0.078	< 0.01
AMQ-ENV15-002	WT - Pit	Waste	I2S	0.34	5.6	4.7	1.2	uncertain	9.3	22	-	0.15	0.010	0.14	0.11	< 0.01
AMQ-ENV17-23	WT - Pit	Waste	I2S	0.050	0.83	2.0	0.42	PAG	9.6	23	-	0.063	0.030	0.030	0.031	< 0.05
AMQ-ENV17-30	WT - Pit	Waste	I2S	0.31	5.2	2.0	2.6	NPAG	9.9	31	-	0.063	0.040	0.020	0.083	< 0.05
AMQ-ENV15-078	WT - Pit	Waste	I2S	1.5	25	4.9	5.1	NPAG	9.6	43	-	0.16	0.040	0.12	0.38	< 0.01
AMQ-ENV17-22	WT - Pit	Waste	I2S	1.0	17	2.8	6.2	NPAG	9.6	32	-	0.088	0.030	0.060	0.24	< 0.05
AMQ-ENV-65	WT - Pit	Waste	I2S	1.1	18	2.1	8.7	NPAG	9.7	34	-	0.066	0.030	0.040	0.30	< 0.01
AMQ-ENV17-24	WT - Pit	Waste	I2S	0.060	1.0	2.1	0.49	PAG	9.2	24	-	0.066	0.030	0.040	0.022	< 0.05
AMQ-ENV17-16	WT - Pit	Waste	I2S	1.7	28	5.2	5.5	NPAG	9.6	40	-	0.17	0.040	0.12	0.39	< 0.05
AMQ-ENV17-29	WT - Pit	Waste	I2S	0.085	1.4	1.1	1.3	uncertain	9.4	23	-	0.034	0.030	< 0.02	0.021	< 0.05
AMQ-ENV17-26	WT - Pit	Waste	I2S	2.6	43	2.1	20	NPAG	9.6	55	-	0.068	0.040	0.030	0.56	< 0.05
AMQ-RMP-08	UG	Waste	I2S	1.3	21	1.3	17	NPAG	9.8	-	36	0.040	0.020	0.020	0.28	0.010
AMQ-RMP-07	UG	Waste	I2S	0.47	7.8	1.7	4.5	NPAG	9.9	-	21	0.055	0.020	0.030	0.12	0.010
AMQ-RMP-01	UG	Waste	I2S	0.59	9.9	1.5	6.5	NPAG	9.9	20	-	0.049	0.020	0.030	0.19	0.030
AMQ-RMP-09	UG	Waste	I2S	0.67	11	2.9	3.8	NPAG	9.5	-	41	0.094	0.050	0.040	0.18	0.020
AMQ-RMP-10	UG	Waste	I2S	0.58	9.7	1.1	8.9	NPAG	9.6	-	29	0.035	0.020	0.020	0.16	0.020
AMQ-RMP-02	UG	Waste	I2S	0.21	3.5	0.97	3.6	NPAG	10.0	13	-	0.031	< 0.01	0.030	0.090	0.030
AMQ-ENV15-114	UG	Waste	I2S	0.27	4.5	1.6	2.8	NPAG	9.6	26	-	0.051	0.020	0.030	0.080	< 0.01
AMQ-RMP-03	UG	Waste	I2S	1.1	18	0.19	95	NPAG	9.7	33	-	0.0060	< 0.01	0.010	0.26	0.020
AMQ-RMP-04	UG	Waste	I2S	0.44	7.3	27	0.27	PAG	8.8	52	-	0.85	0.10	0.75	0.18	0.030
AMQ-RMP-05	UG	Waste	I2S	0.42	7.0	0.56	12	NPAG	9.5	50	-	0.018	< 0.01	0.010	0.14	0.030
AMQ-RMP-06	UG	Waste	I2S	0.72	12	1.4	8.8	NPAG	9.9	36	-	0.044	< 0.01	0.040	0.22	0.030
South Diorite (IS2) WT-Pit Waste			Bulk[5]	-	203	38	5.3	NPAG	-	456	-	-	-	-	-	-
			Minimum	0.050	0.83	1.1	0.42	-	9.2	22	-	0.034	0.010	< 0.02	0.021	< 0.01
			Maximum	2.6	43	6.0	20	-	10.0	55	-	0.19	0.060	0.14	0.56	0.050
			Median	0.93	15	2.1	4.5	-	9.6	34	-	0.068	0.030	0.040	0.24	0.050
			Average	0.94	16	3.0	5.8	-	9.5	35	-	0.095	0.032	0.064	0.23	0.032
			Standard Deviation	0.84	14	1.6	6.1	-	0.22	11	-	0.052	0.012	0.046	0.19	0.021
			75th Percentile	1.5	25	4.7	6.2	-	9.7	40	-	0.15	0.040	0.12	0.38	0.050
South Diorite (IS2) UG Waste			Bulk[5]	-	-	-	-	NPAG	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	-	< 0.01	-	-	< 0.01
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-28	WT - Pit	Ore	S3C	0.17	2.8	17	0.16	PAG	8.3	21	-	0.56	0.070	0.49	0.045	0.01*
AMQ-ENV-29	WT - Pit	Ore	S3C	1.2	19	96	0.20	PAG	8.5	27	-	3.1	0.080	3.0	0.70	0.48*
AMQ-ENV-36	WT - Pit	Ore	S3C	1.3	22	68	0.32	PAG	9.2	39	-	2.2	0.22	2.0	0.29	0.03*
AMQ-ENV15-108	WT - Pit	Ore	S3C	0.16	2.6	9.2	0.28	PAG	9.9	13	-	0.29	0.14	0.15	0.071	< 0.01
AMQ-ENV15-140	WT - Pit	Ore	S3C	0.45	7.5	29	0.26	PAG	10	25	-	0.92	0.28	0.64	0.75	0.40
AMQ-ENV-42	WT - Pit	Ore	S3C	0.68	11	6.3	1.8	uncertain	9.9	33	-	0.20	0.13	0.070	0.14	0.02*
AMQ-ENV15-112	UG	Ore	S3C	0.090	1.5	50	0.030	PAG	10	13	-	1.6	0.85	0.74	0.49	0.38
AMQ-ENV-13	WT - Pit	Waste	S3C	0.37	6.1	3.5	1.7	uncertain	9.2	25	-	0.11	0.030	0.080	0.077	< 0.01
AMQ-ENV-109	WT - Pit	Waste	S3C	0.24	3.9	2.8	1.4	uncertain	9.5	17	-	0.089	0.040	0.050	0.055	< 0.01
AMQ-ENV-18	WT - Pit	Waste	S3C	0.39	6.5	9.6	0.68	PAG	9.8	26	-	0.31	0.12	0.19	0.086	0.01*
AMQ-ENV-14	WT - Pit	Waste	S3C	0.17	2.8	4.9	0.56	PAG	9.6	19	-	0.16	0.060	0.10	0.044	0.02*
AMQ-ENV15-056	WT - Pit	Waste	S3C	0.20	3.3	10	0.33	PAG	9.4	13	-	0.32	0.080	0.24	0.081	< 0.01
AMQ-ENV-03	WT - Pit	Waste	S3C	0.27	4.4	8.4	0.53	PAG	9.3	21	-	0.27	0.050	0.22	0.056	< 0.01
AMQ-ENV-19	WT - Pit	Waste	S3C	0.37	6.1	4.8	1.3	uncertain	9.7	39	-	0.16	0.080	0.080	0.079	< 0.01
AMQ-ENV-41	WT - Pit	Waste	S3C	0.37	6.2	0.59	10	NPAG	10	35	-	0.019	0.020	< 0.01	0.080	0.01*
AMQ-ENV15-075	WT - Pit	Waste	S3C	0.46	7.7	31	0.25	PAG	9.7	19	-	1.00	0.60	0.40	0.19	< 0.01
AMQ-ENV15-098	WT - Pit	Waste	S3C	0.070	1.2	12	0.099	PAG	9.8	12	-	0.38	0.14	0.24	0.036	< 0.01
AMQ-ENV-37	WT - Pit	Waste	S3C	1.1	18	4.9	3.6	NPAG	9.5	31	-	0.16	0.060	0.10	0.22	0.02*
AMQ-ENV15-106	WT - Pit	Waste	S3C	0.14	2.3	11	0.21	PAG	9.9	15	-	0.36	0.14	0.22	0.077	< 0.01
AMQ-ENV15-064	WT - Pit	Waste	S3C	0.085	1.4	9.1	0.16	PAG	9.6	11	-	0.29	0.10	0.19	0.036	< 0.01
AMQ-ENV15-107	WT - Pit	Waste	S3C	0.21	3.5	6.6	0.53	PAG	10.0	15	-	0.21	0.11	0.10	0.080	< 0.01
AMQ-ENV15-065	WT - Pit	Waste	S3C	0.15	2.5	9.7	0.26	PAG	9.9	14	-	0.31	0.11	0.20	0.062	< 0.01
AMQ-ENV15-066	WT - Pit	Waste	S3C	0.12	1.9	8.7	0.22	PAG	9.7	14	-	0.28	0.090	0.19	0.054	< 0.01
AMQ-ENV-46	WT - Pit	Waste	S3C	0.57	9.5	4.3	2.2	NPAG	9.9	23	-	0.14	0.070	0.070	0.12	< 0.01
AMQ-ENV15-074	WT - Pit	Waste	S3C	0.27	4.5	9.4	0.48	PAG	9.8	16	-	0.30	0.14	0.16	0.11	< 0.01
AMQ-ENV-11	WT - Pit	Waste	S3C	0.70	12	8.8	1.3	uncertain	10	30	-	0.28	0.19	0.090	0.16	0.010
AMQ-ENV-20	WT - Pit	Waste	S3C	0.46	7.7	4.8	1.6	uncertain	10.0	30	-	0.15	0.10	0.050	0.10	0.01*
AMQ-ENV15-097	WT - Pit	Waste	S3C	0.38	6.3	11	0.56	PAG	9.9	20	-	0.36	0.24	0.12	0.15	< 0.01
AMQ-ENV15-042	WT - Pit	Waste	S3C	0.31	5.2	3.4	1.5	uncertain	9.8	15	-	0.11	0.050	0.060	0.095	< 0.01
AMQ-ENV-12	WT - Pit	Waste	S3C	0.53	8.8	2.4	3.7	NPAG	9.8	32	-	0.076	0.080	< 0.01	0.11	0.01*
AMQ-ENV15-142	WT - Pit	Waste	S3C	1.4	24	17	1.4	uncertain	9.9	34	-	0.55	0.18	0.37	0.42	< 0.05
AMQ-ENV15-143	WT - Pit	Waste	S3C	0.73	12	6.8	1.8	uncertain	10.0	16	-	0.22	0.11	0.11	0.23	< 0.05
AMQ-ENV15-112	UG	Ore	S3C	0.090	1.5	50	0.030	PAG	10	13	-	1.6	0.85	0.74	0.49	0.38
AMQ-ENV15-085	UG	Ore	S3C	0.21	3.4	69	0.050	PAG	9.1	20	-	2.2	1.4	0.79	0.16	< 0.01
AMQ-ENV15-060	UG	Waste	S3C	0.15	2.4	11	0.22	PAG	10	13	-	0.36	0.22	0.14	0.070	< 0.01
AMQ-ENV15-120	UG	Waste	S3C	0.23	3.8	16	0.23	PAG	10.0	17	-	0.53	0.32	0.20	0.11	< 0.01
Central Greywacke (S3C) WT-Pit Ore			Bulk[5]	-	67	276	0.24	PAG	-	171	-	-	-	-	-	-
			Minimum	0.16	2.6	6.3	0.16	-	8.3	13	-	0.20	0.070	0.070	0.045	< 0.01
			Maximum	1.3	22	96	1.8	-	10	39	-	3.1	0.85	3.0	0.75	0.40
			Median	0.45	7.5	29	0.26	-	9.9	25	-	0.92	0.14	0.64	0.29	0.38
			Average	0.57	9.5	39	0.44	-	9.4	24	-	1.3	0.25	1.0	0.36	0.26
			Standard Deviation	0.49	8.2	34	0.61	-	0.75	9.7	-	1.1	0.27	1.1	0.29	0.22
			75th Percentile	0.91	15	59	0.30	-	10.0	30	-	1.9	0.25	1.4	0.60	0.39
Central Greywacke (S3C) WT-Pit Waste			Bulk[5]	-	167	207	0.81	PAG	-	542	-	-	-	-	-	-
			Minimum	0.070	1.2	0.59	0.030	-	9.2	11	-	0.019	0.020	< 0.01	0.036	< 0.01
			Maximum	1.4	24	31	10	-	10	39	-	1.00	0.60	0.40	0.42	0.050
			Median	0.37	6.1	8.4	0.68	-	9.8	19	-	0.27	0.10	0.11	0.081	0.010
			Average	0.40	6.7	8.3	1.5	-	9.7	22	-	0.26	0.12	0.15	0.11	0.014
			Standard Deviation	0.31	5.2	6.1	2.1	-	0.22	8.2	-	0.19	0.11	0.10	0.083	0.013
			75th Percentile	0.46	7.7	9.7	1.6	-	9.9	30	-	0.31	0.14	0.20	0.12	0.010
Central Greywacke (S3C) UG Ore			Bulk[5]	-	-	-	-	PAG	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-
Central Greywacke (S3C) UG Waste			Bulk[5]	-	-	-	-	PAG	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	-	-	-	-	< 0.01
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix F-3
Acid-Base Accounting Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (Model)	Acid Base Accounting (ABA) - Calculated[3]					ABA - Laboratory Reported[6]							
				Carbonate	CaNP	AP	CaNPR	ARD Potential[4] CaNPR	Paste pH	NP Modified Sobek with Siderite Correction	NP Modified Sobek	Sulphur (total)	Acid Leachable Sulphate	Sulphide	Total Carbon	Graphitic Carbon
				%CO_3	t $CaCO_3$/1000 t			ratio	s.u.	t CaCO3/1000 t		%				
AMQ-ENV16-32	IVR	Waste	S3N	1.3	21	7.9	2.6	NPAG	9.8	-	32	0.25	0.13	0.12	0.35	< 0.05
AMQ-ENV16-44	WT - Pit	Waste	S3N	0.10	1.7	5.3	0.32	PAG	9.9	-	13	0.17	0.050	0.12	0.046	< 0.05
AMQ-ENV17-08	WT - Pit	Waste	S3N	0.20	3.3	12	0.28	PAG	10.0	23	-	0.38	0.13	0.25	0.076	< 0.05
AMQ-ENV17-07	WT - Pit	Waste	S3N	0.29	4.8	8.1	0.60	PAG	10	25	-	0.26	0.14	0.12	0.095	< 0.05
AMQ-ENV17-09	WT - Pit	Waste	S3N	0.37	6.2	25	0.25	PAG	9.6	24	-	0.79	0.17	0.62	0.13	< 0.05
AMQ-ENV17-01	WT - Pit	Waste	S3N	0.39	6.5	5.0	1.3	uncertain	10	24	-	0.16	0.070	0.090	0.12	< 0.05
AMQ-ENV17-13	WT - Pit	Waste	S3N	0.45	7.4	14	0.54	PAG	9.9	28	-	0.44	0.31	0.13	0.16	< 0.05
AMQ-ENV16-45	WT - Pit	Waste	S3N	0.53	8.8	12	0.76	PAG	9.7	-	27	0.37	0.060	0.31	0.19	< 0.05
AMQ-ENV17-04	WT - Pit	Waste	S3N	0.54	9.0	7.8	1.2	uncertain	10	27	-	0.25	0.090	0.16	0.16	< 0.05
AMQ-ENV17-06	WT - Pit	Waste	S3N	0.61	10	8.7	1.2	uncertain	9.8	29	-	0.28	0.10	0.18	0.19	< 0.05
AMQ-ENV17-02	WT - Pit	Waste	S3N	0.64	11	22	0.48	PAG	9.7	26	-	0.70	0.22	0.48	0.23	< 0.05
AMQ-ENV16-43	WT - Pit	Waste	S3N	0.67	11	8.2	1.4	uncertain	9.5	-	23	0.26	0.050	0.21	0.21	< 0.05
AMQ-ENV17-05	WT - Pit	Waste	S3N	0.69	11	5.0	2.3	NPAG	9.8	31	-	0.16	0.040	0.12	0.19	< 0.05
AMQ-ENV16-49	WT - Pit	Waste	S3N	0.76	13	1.0	12	NPAG	9.6	-	22	0.033	< 0.02	0.020	0.21	< 0.05
AMQ-ENV16-47	WT - Pit	Waste	S3N	0.78	13	5.6	2.3	NPAG	10.0	-	27	0.18	0.080	0.10	0.23	< 0.05
AMQ-ENV17-03	WT - Pit	Waste	S3N	0.82	14	17	0.79	PAG	9.8	33	-	0.56	0.16	0.40	0.27	< 0.05
AMQ-ENV16-51	WT - Pit	Waste	S3N	0.94	16	4.7	3.3	NPAG	9.7	-	27	0.15	0.050	0.10	0.23	< 0.05
AMQ-ENV17-12	WT - Pit	Waste	S3N	0.97	16	9.7	1.7	uncertain	9.9	27	-	0.31	0.20	0.11	0.28	< 0.05
AMQ-ENV16-46	WT - Pit	Waste	S3N	1.2	20	5.9	3.3	NPAG	9.8	-	34	0.19	0.080	0.11	0.31	< 0.05
AMQ-ENV16-48	WT - Pit	Waste	S3N	1.4	23	5.7	4.0	NPAG	9.7	-	36	0.18	0.040	0.14	0.35	< 0.05
AMQ-ENV17-10	WT - Pit	Waste	S3N	1.4	23	12	1.9	uncertain	9.9	41	-	0.40	0.27	0.13	0.39	< 0.05
AMQ-ENV17-11	WT - Pit	Waste	S3N	1.4	23	5.7	4.1	NPAG	9.7	37	-	0.18	0.040	0.14	0.36	< 0.05
AMQ-ENV16-05	WT - Pit	Waste	S3N	4.9	81	0.66	124	NPAG	9.4	99	-	0.021	0.020	< 0.02	0.98	< 0.05
AMQ-ENV17-72	WT - Pit	Waste	S3N	0.17	2.8	15	0.19	PAG	-	-	-	0.47	-	-	0.17	-
AMQ-ENV17-64	WT - Pit	Waste	S3N	0.11	1.8	18	0.10	PAG	-	-	-	0.58	-	-	0.11	-
AMQ-ENV17-67	WT - Pit	Waste	S3N	0.23	3.9	8.4	0.46	PAG	-	-	-	0.27	-	-	0.23	-
AMQ-ENV17-68	WT - Pit	Waste	S3N	0.14	2.3	3.4	0.67	PAG	-	-	-	0.11	-	-	0.14	-
AMQ-ENV17-74	WT - Pit	Waste	S3N	0.27	4.5	8.1	0.55	PAG	-	-	-	0.26	-	-	0.27	-
AMQ-ENV17-73	WT - Pit	Waste	S3N	0.10	1.7	10	0.16	PAG	-	-	-	0.33	-	-	0.10	-
AMQ-ENV17-71	WT - Pit	Waste	S3N	0.13	2.2	8.5	0.26	PAG	-	-	-	0.27	-	-	0.13	-
AMQ-ENV17-65	WT - Pit	Waste	S3N	0.15	2.5	6.6	0.38	PAG	-	-	-	0.15	-	-	0.15	-
AMQ-ENV17-75	WT - Pit	Waste	S3N	1.8	30	18	1.6	uncertain	-	-	-	1.8	-	-	1.8	-
AMQ-ENV17-76	WT - Pit	Waste	S3N	0.59	9.8	28	0.35	PAG	-	-	-	0.59	-	-	0.59	-
AMQ-ENV17-70	WT - Pit	Waste	S3N	0.28	4.6	8.8	0.52	PAG	-	-	-	0.28	-	-	0.28	-
AMQ-ENV17-66	WT - Pit	Waste	S3N	0.053	0.88	7.1	0.12	PAG	-	-	-	0.23	-	-	0.053	-
AMQ-ENV17-69	WT - Pit	Waste	S3N	0.032	0.53	5.0	0.11	PAG	-	-	-	0.16	-	-	0.032	-
AMQ-ENV18-01	WT - Pit	Waste	S3N	0.28	4.7	4.2	1.1	uncertain	9.6	9.0	-	0.14	0.060	0.080	0.073	-
AMQ-ENV18-02	WT - Pit	Waste	S3N	0.21	3.4	4.7	0.73	PAG	9.7	8.0	-	0.15	0.10	0.050	0.058	-
AMQ-ENV18-03	WT - Pit	Waste	S3N	0.56	9.3	12	0.76	PAG	9.6	12	-	0.39	0.14	0.25	0.13	-
AMQ-ENV18-04	WT - Pit	Waste	S3N	1.4	24	1.7	14	NPAG	9.6	27	-	0.055	0.020	0.030	0.30	-
AMQ-ENV18-05	WT - Pit	Waste	S3N	0.82	14	15	0.95	PAG	9.4	14	-	0.47	0.18	0.29	0.18	-
AMQ-ENV18-06	WT - Pit	Waste	S3N	0.26	4.3	18	0.24	PAG	9.5	7.0	-	0.58	0.34	0.24	0.078	-
AMQ-ENV18-07	WT - Pit	Waste	S3N	0.36	6.0	12	0.51	PAG	9.5	9.0	-	0.38	0.14	0.24	0.084	-
AMQ-ENV18-08	WT - Pit	Waste	S3N	0.045	0.75	8.6	0.087	PAG	9.5	7.0	-	0.28	0.13	0.15	0.048	-
AMQ-ENV18-09	WT - Pit	Waste	S3N	0.67	11	7.0	1.6	uncertain	9.5	15	-	0.22	0.13	0.090	0.19	-
AMQ-ENV18-10	WT - Pit	Waste	S3N	1.1	18	4.4	4.2	NPAG	9.6	23	-	0.14	0.090	0.050	0.27	-
AMQ-ENV18-11	WT - Pit	Waste	S3N	0.75	12	24	0.52	PAG	9.4	18	-	0.77	0.49	0.28	0.20	-
AMQ-ENV18-12	WT - Pit	Waste	S3N	0.74	12	9.2	1.3	uncertain	9.6	20	-	0.29	0.18	0.11	0.17	-
AMQ-ENV18-13	WT - Pit	Waste	S3N	0.85	14	7.3	2.0	uncertain	9.5	22	-	0.23	0.12	0.11	0.22	-
AMQ-ENV18-14	WT - Pit	Waste	S3N	0.61	10	15	0.68	PAG	9.5	17	-	0.47	0.28	0.19	0.16	-
AMQ-ENV18-15	WT - Pit	Waste	S3N	0.52	8.6	5.1	1.7	uncertain	9.6	16	-	0.16	0.12	0.040	0.12	-
AMQ-ENV18-16	WT - Pit	Waste	S3N	0.84	14	7.3	1.9	uncertain	9.6	19	-	0.23	0.18	0.050	0.19	-
AMQ-ENV18-17	WT - Pit	Waste	S3N	0.32	5.3	7.9	0.68	PAG	9.7	12	-	0.25	0.19	0.060	0.096	-
AMQ-ENV18-18	WT - Pit	Waste	S3N	0.32	5.3	8.8	0.60	PAG	9.6	11	-	0.28	0.18	0.10	0.097	-
AMQ-ENV15-063	UG	Waste	S3N	0.20	3.3	9.7	0.33	PAG	10	15	-	0.31	0.24	0.070	0.086	< 0.01
AMQ-ENV17-57	UG	Waste	S3N	4.9	82	0.63	130	NPAG	9.9	102	-	0.020	0.020	< 0.02	0.98	< 0.05
Greywacke North (S3N) WT-Pit Waste			Bulk[5]	-	577	544	1.1	uncertain	-	740	-	-	-	-	-	-
			Minimum	0.032	0.53	0.66	0.09	-	9.4	-	13	0.021	< 0.02	0.020	0.032	< 0.01
			Maximum	4.9	81	56	124	-	10	99	36	1.8	0.49	0.62	1.8	0.050
			Median	0.54	9.0	8.2	0.73	-	9.7	23	27	0.26	0.125	0.12	0.18	0.050
			Average	0.65	11	10	3.9	-	9.6	23	26	0.33	0.14	0.16	0.23	0.050
			Standard Deviation	0.72	12	8.4	17	-	0.19	16	7.2	0.27	0.099	0.13	0.26	0.0000
			75th Percentile	0.82	14	12	1.7	-	9.8	27	29	0.39	0.18	0.22	0.23	0.050
Greywacke North (S3N) UG Waste			Bulk[5]	-	-	-	-	NPAG	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	-	-	< 0.02	-	< 0.01
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-112	WT - Pit	Waste	S3S	1.0	17	2.3	7.4	NPAG	9.6	33	-	0.074	0.030	0.040	0.21	< 0.01
AMQ-ENV-122	WT - Pit	Waste	S3S	1.4	23	5.4	4.2	NPAG	9.6	38	-	0.17	0.020	0.15	0.27	< 0.01
AMQ-ENV15-049	WT - Pit	Waste	S3S	1.3	22	0.72	30	NPAG	9.6	46	-	0.023	< 0.01	0.020	0.31	< 0.01
AMQ-ENV-117	WT - Pit	Waste	S3S	1.8	30	2.9	10	NPAG	9.9	51	-	0.094	0.010	0.080	0.36	0.03*
AMQ-ENV15-012	WT - Pit	Waste	S3S	0.39	6.5	1.6	4.0	NPAG	9.4	28	-	0.052	0.010	0.040	0.11	< 0.01
AMQ-ENV15-110	WT - Pit	Waste	S3S	1.4	23	3.5	6.5	NPAG	9.7	36	-	0.11	0.040	0.070	0.35	< 0.01
AMQ-ENV15-101	WT - Pit	Waste	S3S	2.9	48	4.9	9.8	NPAG	9.5	76	-	0.16	0.040	0.12	0.65	< 0.01
AMQ-ENV15-093	WT - Pit	Waste	S3S	3.3	54	3.8	14	NPAG	9.5	72	-	0.12	0.020	0.10	0.82	< 0.01
AMQ-ENV15-032	WT - Pit	Waste	S3S	0.81	14	1.0	13	NPAG	9.9	43	-	0.033	0.020	0.010	0.21	< 0.01
AMQ-ENV15-023	WT - Pit	Waste	S3S	0.55	9.1	1.0	9.1	NPAG	10	34	-	0.032	0.020	0.010	0.16	< 0.01
AMQ-ENV17-31	WT - Pit	Waste	S3S	0.88	15	3.1	4.8	NPAG	9.7	33	-	0.098	0.060	0.040	0.20	< 0.05
AMQ-ENV15-003	WT - Pit	Waste	S3S	1.2	19	0.56	34	NPAG	9.9	49	-	0.018	< 0.01	0.010	0.28	< 0.01
AMQ-ENV17-18	WT - Pit	Waste	S3S	2.0	33	2.1	16	NPAG	9.9	47	-	0.067	0.040	0.030	0.43	< 0.05
AMQ-ENV-120	WT - Pit	Waste	S3S	1.1	18	1.3	14	NPAG	10.0	44	-	0.042	0.010	0.030	0.22	< 0.01
AMQ-ENV15-102	WT - Pit	Waste	S3S	1.1	19	3.6	5.3	NPAG	9.9	49	-	0.12	0.040	0.070	0.29	< 0.01
AMQ-ENV-115	WT - Pit	Waste	S3S	0.77	13	2.8	4.5	NPAG	9.6	36	-	0.091	0.030	0.060	0.16	< 0.01
AMQ-ENV15-103	WT - Pit	Waste	S3S	2.0	34	0.38	91	NPAG	9.6	44	-	0.012	0.010	< 0.01	0.47	< 0.01
AMQ-ENV-66	WT - Pit	Waste	S3S	0.38	6.3	1.3	4.9	NPAG	9.9	39	-	0.041	0.020	0.020	0.13	< 0.01
AMQ-ENV17-17	WT - Pit	Waste	S3S	2.2	37	1.5	24	NPAG	9.6	46	-	0.049	0.030	0.020	0.48	< 0.05
AMQ-ENV15-081	WT - Pit	Waste	S3S	1.1	19	3.1	6.0	NPAG	9.5	30	-	0.10	0.030	0.070	0.25	< 0.01
AMQ-ENV-71	WT - Pit	Waste	S3S	0.77	13	3.1	4.1	NPAG	9.7	40	-	0.10	0.040	0.060	0.25	< 0.01
AMQ-ENV-60	WT - Pit	Waste	S3S	2.9	49	1.8	28	NPAG	9.5	68	-	0.056	0.020	0.040	0.64	< 0.01
AMQ-ENV17-15	WT - Pit	Waste	S3S	1.9	31	1.2	27	NPAG	9.3	44	-	0.037	< 0.02	0.020	0.40	< 0.05
AMQ-ENV-116	WT - Pit	Waste	S3S	1.9	31	2.1	15	NPAG	9.9	57	-	0.066	0.030	0.040	0.38	< 0.01
AMQ-ENV-67	WT - Pit	Waste	S3S	0.64	11	1.1	9.5	NPAG	10.0	44	-	0.036	0.020	0.020	0.17	< 0.01
AMQ-ENV17-25	WT - Pit	Waste	S3S	1.4	23	4.4	5.3	NPAG	9.8	39	-	0.14	0.050	0.090	0.31	< 0.05
AMQ-ENV17-49	UG	Waste	S3S	0.57	9.4	7.4	1.3	uncertain	10.0	24	-	0.24	0.15	0.090	0.15	< 0.05
AMQ-ENV17-58	UG	Waste	S3S	0.25	4.1	0.63	6.5	NPAG	9.9	21	-	0.020	0.020	< 0.02	0.061	< 0.05
AMQ-ENV17-55	UG	Waste	S3S	1.9	32	0.44	74	NPAG	9.8	50	-	0.014	< 0.02	0.020	0.42	< 0.05
AMQ-ENV17-50	UG	Waste	S3S	0.68	11	1.7	6.8	NPAG	9.8	33	-	0.054	0.030	0.020	0.15	< 0.05
AMQ-ENV17-62	UG	Waste	S3S	1.5	25	0.16	158	NPAG	9.7	42	-	0.0050	< 0.02	< 0.02	0.32	< 0.05
Greywacke South (S3S) WT-Pit Waste			Bulk[5]	-	616	61	10	NPAG	-	1166	-	-	-	-	-	-
			Minimum	0.38	6.3	0.38	4.0	-	9.3	28	-	0.012	< 0.01	< 0.01	0.11	< 0.01
			Maximum	3.3	54	5.4	91	-	10	76	-	0.17	0.060	0.15	0.82	0.050
			Median	1.2	20	2.1	9.7	-	9.7	44	-	0.067	0.020	0.040	0.28	0.010
			Average	1.4	24	2.3	15	-	9.7	45	-	0.075	0.026	0.049	0.33	0.018
			Standard Deviation	0.78	13	1.4	18	-	0.20	12	-	0.044	0.014	0.037	0.17	0.016
			75th Percentile	1.9	31	3.1	15	-	9.9	49	-	0.10	0.038	0.070	0.40	0.010
Greywacke South (S3S) UG Waste			Bulk[5]	-	-	-	-	NPAG	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	-	< 0.02	< 0.02	-	< 0.05
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix F-3
Acid-Base Accounting Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (Model)	Acid Base Accounting (ABA) - Calculated[3]					ABA - Laboratory Reported[6]							
				Carbonate	CaNP	AP	CaNPR	ARD Potential[4] CaNPR	Paste pH	NP Modified Sobek with Siderite Correction	NP Modified Sobek	Sulphur (total)	Acid Leachable Sulphate	Sulphide	Total Carbon	Graphitic Carbon
				%CO_3	t $CaCO_3$/1000 t			ratio	s.u.	t CaCO3/1000 t		%				
AMQ-ENV17-40	IVR	Ore	S9E	2.1	35	98	0.35	PAG	8.9	65	-	3.2	< 0.02	3.3	1.0	< 0.05
AMQ-ENV-57	WT - Pit	Ore	S9E	0.29	4.8	29	0.17	PAG	8.9	16	-	0.92	< 0.01	0.93	0.13	< 0.01
AMQ-ENV15-027	WT - Pit	Ore	S9E	1.0	17	41	0.42	PAG	9.3	36	-	1.3	0.12	1.2	0.30	< 0.01
AMQ-ENV15-135	WT - Pit	Ore	S9E	1.6	27	0.44	61	NPAG	9.9	45	-	0.014	< 0.01	0.010	0.40	< 0.05
AMQ-ENV15-089	WT - Pit	Ore	S9E	1.8	30	106	0.28	PAG	8.9	61	-	3.4	0.26	3.1	0.51	< 0.01
AMQ-ENV15-039	WT - Pit	Ore	S9E	4.7	78	0.66	119	NPAG	9.7	98	-	0.021	0.010	0.010	1.0	< 0.01
AMQ-ENV-56	WT - Pit	Ore	S9E	0.36	6.0	26	0.23	PAG	9.5	46	-	0.83	0.050	0.78	0.21	< 0.01
AMQ-ENV-49	WT - Pit	Ore	S9E	5.7	95	23	4.2	NPAG	9.3	123	-	0.72	0.23	0.49	1.4	< 0.01
AMQ-ENV15-045	WT - Pit	Ore	S9E	3.0	50	9.3	5.4	NPAG	9.2	67	-	0.30	0.060	0.24	0.65	< 0.01
AMQ-ENV15-010	WT - Pit	Ore	S9E	0.99	17	52	0.32	PAG	9.0	40	-	1.7	< 0.01	1.7	0.32	< 0.01
AMQ-ENV-47	WT - Pit	Ore	S9E	3.6	61	6.8	8.9	NPAG	9.9	84	-	0.22	0.060	0.16	0.81	< 0.01
AMQ-ENV15-021	WT - Pit	Ore	S9E	2.7	45	4.8	9.4	NPAG	9.3	59	-	0.16	0.040	0.11	0.58	< 0.01
AMQ-ENV-125	WT - Pit	Ore	S9E	1.5	25	7.8	3.3	NPAG	9.8	49	-	0.25	0.11	0.14	0.31	< 0.01
AMQ-ENV15-083	WT - Pit	Ore	S9E	4.9	81	6.8	12	NPAG	9.6	99	-	0.22	0.14	0.080	1.0	< 0.01
AMQ-ENV-64	WT - Pit	Ore	S9E	3.6	60	4.8	13	NPAG	9.9	74	-	0.15	0.040	0.11	0.78	< 0.01
AMQ-ENV17-14	WT - Pit	Ore	S9E	1.5	24	36	0.67	PAG	9.5	45	-	1.2	0.25	0.90	0.44	< 0.05
AMQ-ENV15-038	WT - Pit	Waste	S9E	1.6	27	23	1.2	uncertain	9.0	55	-	0.73	0.070	0.66	0.44	< 0.01
AMQ-ENV-58	WT - Pit	Waste	S9E	3.7	61	6.4	9.5	NPAG	9.8	84	-	0.21	0.020	0.18	0.85	< 0.01
AMQ-ENV-31	WT - Pit	Waste	S9E	1.4	23	5.8	4.1	NPAG	9.4	42	-	0.18	0.040	0.14	0.29	< 0.01
AMQ-ENV-69	WT - Pit	Waste	S9E	2.0	33	7.4	4.4	NPAG	9.1	50	-	0.24	0.050	0.19	0.57	< 0.01
AMQ-ENV15-028	WT - Pit	Waste	S9E	5.3	88	1.9	47	NPAG	8.9	103	-	0.060	0.030	0.030	1.1	< 0.01
AMQ-ENV-70	WT - Pit	Waste	S9E	4.3	72	1.0	70	NPAG	9.5	82	-	0.033	0.030	< 0.01	0.97	< 0.01
AMQ-ENV15-090	WT - Pit	Waste	S9E	3.6	60	4.7	13	NPAG	9.6	74	-	0.15	0.010	0.14	0.79	< 0.01
AMQ-ENV15-034	WT - Pit	Waste	S9E	1.1	18	61	0.30	PAG	9.2	34	-	1.9	0.24	1.7	0.32	< 0.01
AMQ-ENV15-011	WT - Pit	Waste	S9E	2.1	35	0.88	40	NPAG	9.7	54	-	0.028	< 0.01	0.020	0.45	< 0.01
AMQ-ENV15-099	WT - Pit	Waste	S9E	11	178	1.6	112	NPAG	9.1	173	-	0.051	0.020	0.030	2.2	< 0.01
AMQ-ENV-17	WT - Pit	Waste	S9E	1.3	21	0.88	24	NPAG	9.6	45	-	0.028	0.030	< 0.01	0.26	< 0.01
Iron Formation (S9E) WT-Pit Ore			Bulk[5]	-	620	353	1.8	uncertain	-	942	-	-	-	-	-	-
			Minimum	0.29	4.8	0.44	0.17	-	8.9	16	-	0.014	< 0.01	0.010	0.13	< 0.01
			Maximum	5.7	95	106	119	-	9.9	123	-	3.4	0.26	3.1	1.4	0.050
			Median	1.8	30	9.3	4.2	-	9.5	59	-	0.30	0.060	0.24	0.51	0.010
			Average	2.5	41	24	16	-	9.3	63	-	0.75	0.093	0.67	0.59	0.015
			Standard Deviation	1.7	28	28	32	-	0.36	28	-	0.89	0.089	0.85	0.36	0.014
			75th Percentile	3.6	60	32	11	-	9.8	79	-	1.0	0.13	0.92	0.80	0.010
Iron Formation (S9E) WT-Pit Waste			Bulk[5]	-	618	114	5.4	NPAG	-	796	-	-	-	-	-	-
			Minimum	1.1	18	0.88	0.30	-	8.9	34	-	0.028	< 0.01	< 0.01	0.26	< 0.01
			Maximum	11	178	61	112	-	9.8	173	-	1.9	0.24	1.7	2.2	0.010
			Median	2.1	35	4.7	13	-	9.4	55	-	0.15	0.030	0.14	0.57	0.010
			Average	3.4	56	10	30	-	9.3	72	-	0.33	0.050	0.28	0.75	0.0100
			Standard Deviation	2.8	47	18	35	-	0.30	39	-	0.57	0.065	0.51	0.56	1.8E-18
			75th Percentile	4.0	66	6.9	44	-	9.6	83	-	0.22	0.045	0.19	0.91	0.010
AMQ-ENV16-27	IVR	Ore	V4A-0a	9.5	158	0.56	280	NPAG	9.5	-	168	0.018	< 0.02	< 0.02	2.0	< 0.05
AMQ-ENV16-55	IVR	Ore	V4A-0a	2.0	33	2.0	16	NPAG	9.1	-	45	0.064	0.020	0.040	0.45	< 0.05
AMQ-ENV16-24	IVR	Waste	V4A-0a	11	187	0.81	230	NPAG	9.3	-	192	0.026	0.030	< 0.02	2.4	< 0.05
AMQ-ENV16-21	IVR	Waste	V4A-0a	6.8	113	3.7	30	NPAG	9.0	-	142	0.12	0.040	0.080	1.5	< 0.05
AMQ-ENV16-26	IVR	Waste	V4A-0a	4.6	77	0.34	225	NPAG	9.1	-	90	0.011	< 0.02	< 0.02	0.99	< 0.05
AMQ-ENV16-40	IVR	Waste	V4A-0a	4.0	66	3.0	22	NPAG	9.0	-	85	0.097	0.050	0.050	0.97	< 0.05
AMQ-ENV16-59	IVR	Waste	V4A-0a	10	168	7.3	23	NPAG	9.0	-	256	0.24	0.020	0.21	2.2	< 0.05
AMQ-ENV17-79	IVR	Waste	V4A-0a	6.4	107	6.5	17	NPAG	9.2	64	-	0.21	< 0.02	0.22	1.4	< 0.05
AMQ-ENV16-34	IVR	Waste	V4A-0a	1.9	31	0.31	100	NPAG	9.8	-	49	0.010	< 0.02	< 0.02	0.45	< 0.05
AMQ-ENV16-15	IVR	Waste	V4A-0a	2.5	41	4.4	9.4	NPAG	9.2	-	63	0.14	0.050	0.090	0.64	< 0.05
AMQ-ENV16-39	IVR	Waste	V4A-0a	6.3	105	1.6	65	NPAG	9.3	-	120	0.052	0.020	0.030	1.5	< 0.05
AMQ-ENV16-25	IVR	Waste	V4A-0a	11	180	1.7	107	NPAG	9.2	-	179	0.054	0.020	0.030	2.3	< 0.05
AMQ-ENV16-33	IVR	Waste	V4A-0a	6.6	111	0.59	186	NPAG	9.1	-	115	0.019	< 0.02	< 0.02	1.5	< 0.05
AMQ-ENV17-38	IVR	Waste	V4A-0a	4.5	75	4.4	17	NPAG	9.1	90	-	0.14	0.050	0.090	0.90	< 0.05
AMQ-ENV16-30	IVR	Waste	V4A-0a	8.4	140	1.2	118	NPAG	9.1	-	139	0.038	0.040	< 0.02	1.8	< 0.05
AMQ-ENV16-38	IVR	Waste	V4A-0a	3.0	49	0.38	131	NPAG	9.1	-	63	0.012	< 0.02	< 0.02	0.68	< 0.05
AMQ-ENV16-29	IVR	Waste	V4A-0a	12	197	0.56	350	NPAG	9.4	-	189	0.018	< 0.02	< 0.02	2.3	< 0.05
AMQ-ENV17-43	IVR	Waste	V4A-0a	6.2	103	2.5	41	NPAG	9.3	111	-	0.080	0.040	0.040	1.2	< 0.05
AMQ-ENV17-46	IVR	Waste	V4A-0a	6.4	107	5.2	21	NPAG	9.0	116	-	0.17	0.10	0.070	1.4	< 0.05
AMQ-ENV15-016	WT - Pit	Ore	V4A-0a	5.7	95	40	2.4	NPAG	8.8	121	-	1.3	0.21	1.1	1.3	< 0.01
AMQ-ENV15-105	WT - Pit	Ore	V4A-0a	1.2	21	4.3	4.8	NPAG	9.4	30	-	0.14	0.12	0.020	0.26	< 0.01
AMQ-ENV15-014	WT - Pit	Waste	V4A-0a	5.7	96	0.25	383	NPAG	9.1	100	-	0.0080	< 0.01	< 0.01	1.2	< 0.01
AMQ-ENV16-50	WT - Pit	Waste	V4A-0a	-0.16	-2.7	43	-0.063	PAG	6.2	-	9.9	1.4	0.15	1.2	0.27	0.17
AMQ-ENV15-040	WT - Pit	Waste	V4A-0a	7.6	127	1.5	86	NPAG	9.0	131	-	0.047	0.020	0.030	1.6	< 0.01
AMQ-ENV15-029	WT - Pit	Waste	V4A-0a	7.6	127	0.53	239	NPAG	8.8	127	-	0.017	0.020	< 0.01	1.6	< 0.01
AMQ-ENV-32	WT - Pit	Waste	V4A-0a	7.6	127	0.88	145	NPAG	9.6	120	-	0.028	0.030	< 0.01	1.5	< 0.01
AMQ-ENV-59	WT - Pit	Waste	V4A-0a	8.3	139	0.91	153	NPAG	9.7	147	-	0.029	0.020	0.010	1.7	< 0.01
AMQ-ENV15-041	WT - Pit	Waste	V4A-0a	4.0	66	0.16	422	NPAG	9.1	67	-	< 0.005	< 0.01	< 0.01	0.83	< 0.01
AMQ-ENV-16	WT - Pit	Waste	V4A-0a	6.4	107	0.69	156	NPAG	9.7	108	-	0.022	0.020	< 0.01	1.3	< 0.01
AMQ-ENV15-055	WT - Pit	Waste	V4A-0a	3.8	63	1.3	48	NPAG	9.1	66	-	0.042	0.030	0.010	0.79	< 0.01
AMQ-ENV-33	WT - Pit	Waste	V4A-0a	5.5	92	0.53	174	NPAG	9.6	100	-	0.017	0.020	< 0.01	1.1	< 0.01
AMQ-ENV-72	WT - Pit	Waste	V4A-0a	10	173	4.9	35	NPAG	9.8	182	-	0.16	0.060	0.10	2.2	< 0.01
AMQ-ENV-39	WT - Pit	Waste	V4A-0a	8.9	148	1.1	135	NPAG	9.7	131	-	0.035	0.040	< 0.01	1.8	< 0.01
AMQ-ENV15-030	WT - Pit	Waste	V4A-0a	8.4	140	0.59	235	NPAG	9.1	136	-	0.019	0.020	< 0.01	1.7	< 0.01
AMQ-ENV-73	WT - Pit	Waste	V4A-0a	3.3	55	3.7	15	NPAG	9.5	76	-	0.12	0.080	0.040	0.72	< 0.01
AMQ-ENV-121	WT - Pit	Waste	V4A-0a	2.2	36	0.63	57	NPAG	10	69	-	0.020	0.020	< 0.01	0.43	< 0.01
AMQ-ENV15-026	WT - Pit	Waste	V4A-0a	9.0	151	4.5	33	NPAG	9.3	153	-	0.14	0.020	0.12	1.8	< 0.01
AMQ-ENV-43	WT - Pit	Waste	V4A-0a	19	312	1.0	302	NPAG	9.4	278	-	0.033	0.030	< 0.01	3.8	0.01*
AMQ-ENV-44	WT - Pit	Waste	V4A-0a	5.1	85	0.63	137	NPAG	9.7	97	-	0.020	0.020	< 0.01	1.0	< 0.01
AMQ-ENV15-084	WT - Pit	Waste	V4A-0a	8.7	145	0.38	388	NPAG	9.3	142	-	0.012	0.010	< 0.01	1.8	< 0.01
AMQ-ENV15-068	UG	Waste	V4A-0a	2.8	47	1.4	33	NPAG	9.4	64	-	0.045	0.040	0.010	0.62	0.010
AMQ-ENV15-121	UG	Waste	V4A-0a	8.7	144	1.5	98	NPAG	9.3	148	-	0.047	0.050	< 0.01	1.8	< 0.01
AMQ-ENV15-071	UG	Waste	V4A-0a	9.4	157	0.50	314	NPAG	9.3	162	-	0.016	0.020	< 0.01	1.9	< 0.01
AMQ-ENV15-051	UG	Waste	V4A-0a	9.9	165	0.50	330	NPAG	9.5	167	-	0.016	0.020	< 0.01	2.0	< 0.01
Komatiite North (V4A-0a) IVR Ore			Bulk	-	190	2.6	74	NPAG	-	0	-	-	-	-	-	-
			Minimum	2.0	33	0.56	16	-	9.1	-	45	0.018	< 0.02	< 0.02	0.45	0.050
			Maximum	9.5	158	2.0	280	-	9.5	-	168	0.064	0.020	0.040	2.0	0.050
			Median	5.7	95	1.3	148	-	9.3	-	107	0.041	0.020	0.030	1.2	0.050
			Average	5.7	95	1.3	148	-	9.3	-	107	0.041	0.020	0.030	1.2	0.050
			Standard Deviation	5.3	88	1.0	187	-	0.30	-	87	0.033	0	0.014	1.1	0.00
			75th Percentile	7.6	126	1.6	214	-	9.4	-	137	0.053	0.020	0.035	1.6	0.050
Komatiite North (V4A-0a) IVR Waste			Bulk[5]	-	1859	45	42	NPAG	-	381	-	-	-	-	-	-
			Minimum	1.9	31	0.31	9.4	-	9.0	-	49	0.010	< 0.02	< 0.02	0.45	< 0.05
			Maximum	12	197	7.3	350	-	9.8	116	256	0.24	0.10	0.22	2.4	0.050
			Median	6.4	107	1.7	65	-	9.1	101	120	0.054	0.020	0.030	1.4	0.050
			Average	6.6	109	2.6	100	-	9.2	95	129	0.084	0.034	0.062	1.4	0.050
			Standard Deviation	3.1	51	2.3	98	-	0.21	24	61	0.073	0.021	0.063	0.62	7.2E-18
			75th Percentile	8.4	140	4.4	131	-	9.3	112	179	0.14	0.040	0.080	1.8	0.050
Komatiite North (V4A-0a) WT-Pit Ore			Bulk[5]	-	116	44	2.6	NPAG	-	151	-	-	-	-	-	-
			Minimum	1.2	21	4.3	2.4	-	8.8	30	-	0.14	0.12	0.020	0.26	< 0.01
			Maximum	5.7	95	40	4.8	-	9.4	121	-	1.3	0.21	1.1	1.3	0.010
			Median	3.5	58	22	3.6	-	9.1	76	-	0.71	0.17	0.55	0.77	0.010
			Average	3.5	58	22	3.6	-	9.0	76	-	0.71	0.17	0.55	0.77	0.010
			Standard Deviation	3.1	52	25	1.7	-	0.40	64	-	0.81	0.064	0.74	0.72	-
			75th Percentile	4.6	76	31	4.2	-	9.3	98	-	0.99	0.19	0.81	1.0	0.010
Komatiite North (V4A-0a) WT-Pit Waste			Bulk[5]	-	2186	67	33	NPAG	-	2230	-	-	-	-	-	-
			Minimum	-0.16	-2.7	0.16	-0.063	-	6.2	66	-	0.0050	< 0.01	< 0.01	0.27	< 0.01
			Maximum	19	312	43	422	-	10	278	9.9	1.4	0.15	1.2	3.8	0.17
			Median	7.6	127	0.88	145	-	9.4	124	9.9	0.028	0.020	0.010	1.5	0.010
			Average	6.9	115	3.5	165	-	7.5	124	9.9	0.11	0.033	0.086	1.4	0.019
			Standard Deviation	3.9	66	9.5	131	-	0.80	50	-	0.31	0.033	0.27	0.77	0.038
			75th Percentile	8.6	143	1.4	237	-	9.7	141	9.9	0.045	0.030	0.020	1.7	0.010
Komatiite North (V4A-0a) UG Waste			Bulk[5]	-	-	-	-	NPAG	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	-	-	< 0.01	-	< 0.01
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix F-3
Acid-Base Accounting Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (Model)	Acid Base Accounting (ABA) - Calculated[3]					ABA - Laboratory Reported[6]							
				Carbonate	CaNP	AP	CaNPR	ARD Potential[4] CaNPR	Paste pH	NP Modified Sobek with Siderite Correction	NP Modified Sobek	Sulphur (total)	Acid Leachable Sulphate	Sulphide	Total Carbon	Graphitic Carbon
				%CO_3	t $CaCO_3$/1000 t		ratio		s.u.	t CaCO3/1000 t		%				
AMQ-ENV16-23	IVR	Ore	V4A-0b	7.9	131	2.8	47	NPAG	9.3	-	152	0.090	0.030	0.060	1.7	< 0.05
AMQ-ENV16-17	IVR	Waste	V4A-0b	7.2	119	3.0	40	NPAG	9.9	-	130	0.096	0.050	0.050	1.7	< 0.05
AMQ-ENV16-36	IVR	Waste	V4A-0b	3.6	59	0.16	380	NPAG	9.3	-	71	< 0.005	< 0.02	< 0.02	0.80	< 0.05
AMQ-ENV16-31	IVR	Waste	V4A-0b	5.2	87	2.5	35	NPAG	9.1	-	101	0.079	0.050	0.030	1.1	< 0.05
AMQ-ENV17-44	IVR	Waste	V4A-0b	8.9	149	2.7	55	NPAG	9.2	150	-	0.087	0.060	0.030	1.9	< 0.05
AMQ-ENV16-16	IVR	Waste	V4A-0b	5.9	98	1.5	67	NPAG	9.5	-	125	0.047	0.030	0.020	1.4	< 0.05
AMQ-ENV16-28	IVR	Waste	V4A-0b	8.8	147	1.1	138	NPAG	9.6	-	142	0.034	< 0.02	0.020	1.8	< 0.05
AMQ-ENV17-47	IVR	Waste	V4A-0b	12	193	1.3	151	NPAG	9.0	186	-	0.041	0.040	< 0.02	2.4	< 0.05
AMQ-ENV17-37	IVR	Waste	V4A-0b	12	200	1.3	152	NPAG	9.0	187	-	0.042	0.040	< 0.02	2.4	< 0.05
AMQ-ENV16-35	IVR	Waste	V4A-0b	7.4	124	0.25	496	NPAG	9.4	-	132	0.0080	< 0.02	< 0.02	1.7	< 0.05
AMQ-ENV16-37	IVR	Waste	V4A-0b	8.2	137	1.6	85	NPAG	9.1	-	140	0.052	0.050	< 0.02	1.9	< 0.05
AMQ-ENV15-020	WT - Pit	Ore	V4A-0b	2.5	41	12	3.5	NPAG	8.9	51	-	0.37	0.090	0.28	0.59	0.030
AMQ-ENV15-137	WT - Pit	Ore	V4A-0b	-0.19	-3.2	124	-0.026	PAG	9.4	17	-	4.0	1.9	2.1	1.0	0.75
AMQ-ENV-02	WT - Pit	Ore	V4A-0b	7.5	125	0.16	803	NPAG	9.7	127	-	< 0.005	< 0.01	< 0.01	1.5	< 0.01
AMQ-ENV15-007	WT - Pit	Ore	V4A-0b	1.2	19	54	0.36	PAG	9.5	50	-	1.7	0.24	1.5	2.1	1.4
AMQ-ENV-52	WT - Pit	Ore	V4A-0b	1.6	27	48	0.57	PAG	9.4	50	-	1.5	< 0.01	1.5	0.74	0.16
AMQ-ENV15-033	WT - Pit	Ore	V4A-0b	6.5	108	0.34	313	NPAG	9.7	114	-	0.011	0.010	< 0.01	1.3	< 0.01
AMQ-ENV15-095	WT - Pit	Ore	V4A-0b	0.71	12	28	0.42	PAG	9.6	24	-	0.90	0.25	0.65	0.55	0.18
AMQ-ENV-119	WT - Pit	Waste	V4A-0b	3.3	55	0.63	88	NPAG	9.9	74	-	0.020	0.010	0.010	0.66	< 0.01
AMQ-ENV-01	WT - Pit	Waste	V4A-0b	9.5	158	0.16	1011	NPAG	9.7	149	-	< 0.005	< 0.01	< 0.01	1.9	< 0.01
AMQ-ENV15-047	WT - Pit	Waste	V4A-0b	1.5	25	0.16	158	NPAG	9.4	48	-	< 0.005	< 0.01	< 0.01	0.33	< 0.01
AMQ-ENV15-136	WT - Pit	Waste	V4A-0b	8.0	134	0.59	225	NPAG	9.4	122	-	0.019	< 0.01	0.010	1.7	< 0.05
AMQ-ENV15-109	WT - Pit	Waste	V4A-0b	11	175	0.22	801	NPAG	9.4	182	-	0.0070	< 0.01	< 0.01	2.2	< 0.01
AMQ-ENV-10	WT - Pit	Waste	V4A-0b	8.2	137	0.16	874	NPAG	9.6	126	-	< 0.005	< 0.01	< 0.01	1.6	< 0.01
AMQ-ENV-62	WT - Pit	Waste	V4A-0b	7.8	131	0.88	149	NPAG	9.9	144	-	0.028	0.020	0.010	1.6	< 0.01
AMQ-ENV17-20	WT - Pit	Waste	V4A-0b	1.7	28	0.81	34	NPAG	9.2	45	-	0.026	0.030	< 0.02	0.36	< 0.05
AMQ-ENV15-076	WT - Pit	Waste	V4A-0b	3.5	58	120	0.48	PAG	8.5	82	-	3.8	0.29	3.5	2.2	1.2
AMQ-ENV-68	WT - Pit	Waste	V4A-0b	9.6	160	0.16	1025	NPAG	9.6	163	-	< 0.005	< 0.01	< 0.01	2.1	< 0.01
AMQ-ENV17-51	UG	Waste	V4A-0b	0.18	3.0	1.9	1.6	uncertain	9.9	30	-	0.060	0.030	0.030	0.046	< 0.05
AMQ-ENV17-59	UG	Waste	V4A-0b	3.2	53	0.31	169	NPAG	9.6	71	-	0.010	< 0.02	< 0.02	0.69	< 0.05
AMQ-ENV17-63	UG	Waste	V4A-0b	2.0	33	0.16	208	NPAG	9.6	41	-	< 0.005	< 0.02	< 0.02	0.41	< 0.05
Komatiite South (V4A-0b) IVR Ore			Bulk[5]	-	131	2.8	47	NPAG	-	0	-	-	-	-	-	-
			Minimum	7.9	131	2.8	47	-	9.3	-	152	0.090	0.030	0.060	1.7	0.050
			Maximum	7.9	131	2.8	47	-	9.3	-	152	0.090	0.030	0.060	1.7	0.050
			Median	7.9	131	2.8	47	-	9.3	-	152	0.090	0.030	0.060	1.7	0.050
			Average	7.9	131	2.8	47	-	9.3	-	152	0.090	0.030	0.060	1.7	0.050
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	7.9	131	2.8	47	-	9.3	-	152	0.090	0.030	0.060	1.7	0.050
Komatiite South (V4A-0b) IVR Waste			Bulk[5]	-	1315	15	86	NPAG	-	523	-	-	-	-	-	-
			Minimum	3.6	59	0.16	35	-	9.0	-	71	< 0.005	< 0.02	< 0.02	0.80	< 0.05
			Maximum	12	200	3.0	496	-	9.9	187	142	0.096	0.060	0.050	2.4	0.050
			Median	7.8	131	1.4	111	-	9.2	186	130	0.045	0.040	0.020	1.8	0.050
			Average	7.9	132	1.5	160	-	9.2	174	120	0.049	0.038	0.025	1.7	0.050
			Standard Deviation	2.6	44	0.96	155	-	0.30	21	26	0.031	0.015	0.0097	0.52	7.3E-18
			75th Percentile	8.9	149	2.3	152	-	9.5	187	136	0.072	0.050	0.028	1.9	0.050
Komatiite South (V4A-0b) WT-Pit Ore			Bulk[5]	-	329	266	1.2	uncertain	-	433	-	-	-	-	-	-
			Minimum	-0.19	-3.2	0.16	-0.026	-	8.9	17	-	< 0.005	< 0.01	< 0.01	0.55	< 0.01
			Maximum	7.5	125	124	803	-	9.7	127	-	4.0	1.9	2.1	2.1	1.4
			Median	1.6	27	28	0.57	-	9.5	50	-	0.90	0.090	0.65	1.0	0.16
			Average	2.8	47	38	160	-	9.3	62	-	1.2	0.36	0.86	1.1	0.36
			Standard Deviation	3.0	50	44	306	-	0.30	42	-	1.4	0.69	0.83	0.55	0.52
			75th Percentile	4.5	74	51	158	-	9.7	83	-	1.6	0.25	1.5	1.4	0.47
Komatiite South (V4A-0b) WT-Pit Waste			Bulk[5]	-	1059	123	8.6	NPAG	-	1135	-	-	-	-	-	-
			Minimum	1.5	25	0.16	0.48	-	8.5	45	-	< 0.005	< 0.01	< 0.01	0.33	< 0.01
			Maximum	11	175	120	1025	-	9.9	182	-	3.8	0.29	3.5	2.2	1.2
			Median	7.9	132	0.41	192	-	9.5	124	-	0.013	0.010	0.010	1.7	0.010
			Average	6.4	106	12	437	-	9.2	114	-	0.40	0.041	0.36	1.5	0.13
			Standard Deviation	3.5	58	38	432	-	0.39	48	-	1.2	0.088	1.1	0.74	0.36
			75th Percentile	9.2	153	0.77	856	-	9.7	148	-	0.025	0.018	0.010	2.0	0.040
Komatiite South (V4A-0b) UG Waste			Bulk[5]	-	-	-	-	-	-	-	-	-	-	-	-	-
			Minimum	-	-	-	-	-	-	-	-	< 0.005	< 0.02	< 0.02	-	< 0.05
			Maximum	-	-	-	-	-	-	-	-	-	-	-	-	-
			Median	-	-	-	-	-	-	-	-	-	-	-	-	-
			Average	-	-	-	-	-	-	-	-	-	-	-	-	-
			Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-
			75th Percentile	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-54	WT - Pit	Ore	S10_03/V4A-0b	-0.95	-16	125	-0.13	PAG	7.6	32	-	4.0	< 0.01	4.0	1.6	1.2
AMQ-ENV16-20	IVR	Waste	S3N/S10_contact	1.9	31	6.0	5.1	NPAG	9.3	-	43	0.19	0.070	0.12	0.48	< 0.05
AMQ-ENV16-42	WT - Pit	Waste	S10_Contact	1.6	26	7.4	3.5	NPAG	9.8	-	38	0.24	0.080	0.16	0.40	< 0.05
AMQ-ENV15-113	UG	Waste	S10_01/S3C	0.39	6.4	12	0.55	PAG	10	20	-	0.37	0.18	0.19	0.14	< 0.01
AMQ-ENV15-058	WT - Pit	Waste	S10_01/S3C	0.25	4.2	57	0.073	PAG	8.5	13	-	1.8	0.030	1.8	0.14	< 0.01
AMQ-ENV17-56	UG	Waste	V4A-0b/S10_03	1.6	27	85	0.32	PAG	9.5	60	-	2.7	1.2	1.5	1.5	0.74
AMQ-ENV15-133	WT - Pit	Waste	S10_03/S3C	0.13	2.1	87	0.024	PAG	8.6	13	-	2.8	0.43	2.4	0.49	< 0.05
AMQ-ENV15-144	UG	Ore	S9E/S10_01	1.4	24	122	0.19	PAG	9.8	41	-	3.9	1.1	2.8	0.64	< 0.05
AMQ-ENV15-134	WT - Pit	Ore	S3C/S10_01	0.98	16	1.8	9.4	NPAG	9.8	10	-	0.056	< 0.01	0.060	0.23	< 0.05
AMQ-ENV15-035	WT - Pit	Waste	S9E/S10_03/V4A-0b	0.55	9.1	48	0.19	PAG	9.0	23	-	1.5	0.17	1.4	0.18	< 0.01
AMQ-ENV15-062	UG	Waste	V4A-0a/S9E	11	187	1.1	166	NPAG	-	185	-	0.036	0.030	0.010	2.3	< 0.01
AMQ-ENV15-072	UG	Waste	S10_03/V4A-0b/V3-1b	0.67	11	0.38	30	NPAG	10.0	30	-	0.012	0.010	< 0.01	0.15	< 0.01
AMQ-ENV16-58	IVR	Waste	V4A-0a/V3-1a	2.7	45	4.4	10	NPAG	9.4	-	66	0.14	0.040	0.10	0.62	< 0.05
AMQ-ENV16-19	IVR	Waste	S3N/S10_contact	3.9	66	1.5	43	NPAG	9.5	-	83	0.049	< 0.02	0.030	0.88	< 0.05
AMQ-ENV16-22	IVR	Waste	V3-1b/V4A-0a	1.3	21	86	0.24	PAG	9.2	-	66	2.7	1.2	1.5	1.4	0.75
AMQ-ENV16-Field Cell-UM	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	5.4	91	1.0	91	NPAG	9.3	101	-	0.032	< 0.02	0.020	1.1	< 0.05
AMQ-ENV16-Field Cell-UM Duplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	5.3	88	0.16	561	NPAG	9.4	99	-	0.0050	< 0.02	< 0.02	1.1	< 0.05
AMQ-ENV16-Field Cell-UM Triplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	4.5	75	0.28	266	NPAG	9.4	87	-	0.0090	< 0.02	< 0.02	0.95	< 0.05
AMQ-ENV16-Field Cell-IF	WT - Pit	Waste	S9E/V4A-0a	1.6	27	32	0.85	PAG	9.4	56	-	1.0	< 0.02	1.0	0.46	< 0.05
AMQ-ENV16-Field Cell-IF Duplicate	WT - Pit	Waste	S9E/V4A-0a	2.4	39	31	1.3	uncertain	9.5	65	-	0.98	< 0.02	1.0	0.63	< 0.05
AMQ-ENV16-Field Cell-IF Triplicate	WT - Pit	Waste	S9E/V4A-0a	1.8	30	23	1.3	uncertain	9.5	55	-	0.73	< 0.02	0.75	0.49	< 0.05
C1	WT - Pit	Waste	S9E/V4A-0a	5.4	91	13	7.1	NPAG	9.3	98	-	0.41	0.070	0.34	1.2	< 0.01
C2	WT - Pit	Waste	S9E/V4A-0a	5.0	83	16	5.1	NPAG	9.5	100	-	0.52	0.12	0.40	1.2	0.020
C3	WT - Pit	Waste	S3C/S10	0.11	1.8	33	0.056	PAG	9.1	16	-	1.1	0.36	0.69	0.41	0.30
C4	WT - Pit	Waste	S3C/S3S	0.64	11	8.5	1.3	uncertain	9.7	26	-	0.27	0.090	0.18	0.20	0.020
C5	WT - Pit	Waste	V4A-0b/V3-1b	5.3	88	8.2	11	NPAG	9.7	107	-	0.26	0.020	0.24	1.2	0.050
C6	WT - Pit	Waste	S10/S3C/V4A-0b	0.27	4.5	79	0.057	PAG	8.8	28	-	2.5	0.56	2.0	0.90	0.60
C7	WT - Pit	Waste	V3-1b/V4A-0b	-	46	1.4	166	NPAG	-	70	-	0.046	-	-	-	-
C8	WT - Pit	Waste	S9E/V4A-0a/V4A-0b	4.7	78	11	140	NPAG	9.4	89	-	0.35	0.051	0.30	0.97	-
C9	WT - Pit	Waste	S3N	0.41	6.8	19	0.37	PAG	8.4	12	-	0.59	0.17	0.42	0.13	< 0.05

Notes:
NP = Neutralization Potential, CaNP = Carbonate Neutralization Potential, AP = Acid Potential, ARD = Acid Rock Drainage, CaNPR = Carbonate Neutralization Potential Ratio
(1) Calculated statistics include bulk ARD, minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by rock type (with rock model code presented in brackets) and deposit location.
(2) Deposit location is WT-Pit (Whale Tail Pit), UG (Underground) or IVR (IVR Pit).
(3) ABA calculations include: CaNP - calculated from carbonate = (%CO_3/60.01)*100.09*10; AP - calculated from total sulphur = %S * 31.25; CaNPR - calculated from CaNP. CaNP and CaNPR were calculated using graphite-corrected carbonate (CO3) where measured (see Appendix C).
(4) ARD classification based on Mend (2009) where CaNPR < 1 is potentially acid generating (PAG), 1 ≤ CaNPR < 2 is considered to have uncertain acid generating potential, and CaNPR ≥ 2 is non PAG (NPAG).
(5) Bulk ARD characteristics were calculated as bulk CaNPR (sum CaNP / sum AP); using graphite-corrected CaNP where available (refer to test methodology details in Appendix C).
(6) Thirteen north greywacke samples analyzed at Meadowbank assay laboratory have limited data (carbonate and total sulfur only - see Appendix C).
(-) = no data reported, no calculation required

Appendix F-4
Net Acid Generation Leach Tests Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sequential NAG Step 1					Sequential NAG Step 2					Sequential NAG Step 3					Sequential NAG Step 4					Combined Acidity	Proportion of Total Sulphur Content Removed in NAG Test (from SO4 in leachate)	Proportion of Total As Removed in NAG Test (from arsenic in leachate)
				Final pH	Volume NaOH to pH 4.5	Volume NaOH to pH 7.0	NAG pH 4.5	NAG pH 7.0	Final pH	Volume NaOH to pH 4.5	Volume NaOH to pH 7.0	NAG pH 4.5	NAG pH 7.0	Final pH	Volume NaOH to pH 4.5	Volume NaOH to pH 7.0	NAG pH 4.5	NAG pH 7.0	Final pH	Volume NaOH to pH 4.5	Volume NaOH to pH 7.0	NAG pH 4.5	NAG pH 7.0	NAH pH: 4.5; 7.0; sequences 1 through 4		
				pH unit	mL		kg H_2SO_4/tonne		pH unit	mL		kg H_2SO_4/tonne		pH unit	mL		kg H_2SO_4/tonne		pH unit	mL		kg H_2SO_4/tonne			%	%
AMQ-ENV15-073	WT - Pit	Ore	S10_03	5.6	0.10	0.39	0.30	1.2	5.8	0	0.18	0	0.60	6.0	0	0.24	0	0.80	5.7	0	0.60	0	1.9	4.8	115%	-
AMQ-ENV15-025	WT - Pit	Ore	S10_03	6.9	0	0	0	0	8.1	0	0	0	0	6.3	0	0.050	0	0.20	6.9	0	0.040	0	0.10	0.30	89%	-
AMQ-ENV-40	WT - Pit	Waste	S10_03	2.7	3.8	5.1	12	16	3.6	0.27	0.59	0.80	0	5.2	0	0.090	0	0.30	5.8	0	0.13	0	0.40	30	82%	1%
AMQ-ENV15-054	WT - Pit	Waste	S10_01	2.1	21	36	70	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86%	-
AMQ-ENV15-008	WT - Pit	Waste	S10_03	2.5	6.8	9.2	22	30	3.5	0.79	1.5	2.6	4.8	4.1	0.13	0.29	0.40	0.90	4.4	0.050	0.17	0.20	0.60	62	75%	-
AMQ-ENV15-096	WT - Pit	Waste	S10_03	4.2	0	0.23	0	0.80	4.0	0.24	0.58	0.80	1.9	4.9	0	0.13	0	0.40	5.4	0	0.10	0	0.30	4.2	86%	-
AMQ-ENV-53	WT - Pit	Waste	S10_03	7.7	0	0	0	0	7.1	0	0	0	0	7.1	0	0	0	0	6.4	0	0.050	0	0.20	0.20	105%	2%
AMQ-ENV15-115	UG	Waste	S10_03	4.7	0	0.29	0	0.90	5.1	0	0.23	0	0.70	5.5	0	0.060	0	0.20	5.9	0	0.10	0	0.30	2.1	86%	-
AMQ-ENV15-108	WT - Pit	Ore	S3C	5.5	0	0.22	0	0.70	6.5	0	0.30	0	1.0	6.5	0	0.090	0	0.30	6.3	0	0.13	0	0.40	2.4	115%	-
AMQ-ENV-42	WT - Pit	Ore	S3C	8.3	0	0	0	0	6.4	0	0.060	0	0.20	6.1	0	0.20	0	0.70	5.9	0	0.27	0	0.90	1.8	115%	12%
AMQ-ENV-13	WT - Pit	Waste	S3C	6.8	0	0.060	0	0.20	6.8	0	0.050	0	0	5.8	0	0.69	0	2.3	5.4	0	0.93	0	3.0	5.5	130%	12%
AMQ-ENV-109	WT - Pit	Waste	S3C	6.6	0	0.13	0	0.40	6.8	0	0.050	0	0	5.6	0	0.92	0	3.0	5.3	0	0.83	0	2.7	6.1	139%	6%
AMQ-ENV-18	WT - Pit	Waste	S3C	5.2	0	0.37	0	1.2	6.2	0	0.090	0	0.30	5.7	0	0.40	0	1.3	5.4	0	0.73	0	2.3	5.1	114%	3%
AMQ-ENV-14	WT - Pit	Waste	S3C	5.1	0	0.47	0	1.5	6.0	0	0.20	0	0	5.5	0	0.80	0	2.6	5.1	0	1.0	0	3.4	7.5	138%	13%
AMQ-ENV15-056	WT - Pit	Waste	S3C	5.6	0	0.080	0	0.30	6.4	0	0.19	0	0.60	6.4	0	0.090	0	0.30	6.0	0	0.36	0	1.2	2.4	107%	-
AMQ-ENV-03	WT - Pit	Waste	S3C	3.9	0.37	1.3	1.2	4.1	5.4	0	0.27	0	0.90	5.4	0	0.50	0	1.6	5.3	0	0.64	0	2.1	9.9	120%	7%
AMQ-ENV-19	WT - Pit	Waste	S3C	7.4	0	0	0	0	7.3	0	0	0	0	6.8	0	0.080	0	0.30	6.1	0	0.23	0	0.70	1.0	127%	14%
AMQ-ENV15-098	WT - Pit	Waste	S3C	4.3	0.50	1.0	1.6	3.1	5.5	0	0.69	0	2.2	6.1	0	0.24	0	0.70	5.8	0	0.47	0	1.5	9.1	100%	-
AMQ-ENV15-106	WT - Pit	Waste	S3C	5.0	0	0.19	0	0.60	6.1	0	0.34	0	1.1	6.2	0	0.15	0	0.50	6.0	0	0.21	0	0.70	2.9	104%	-
AMQ-ENV15-064	WT - Pit	Waste	S3C	4.4	0.080	0.44	0.30	1.4	5.7	0	0.33	0	1.0	5.9	0	0.33	0	1.0	5.9	0	0.28	0	0.90	4.6	109%	-
AMQ-ENV15-107	WT - Pit	Waste	S3C	6.9	0	0.13	0	0.40	7.2	0	0	0	0	7.0	0	0.040	0	0.10	6.8	0	0.070	0	0.20	0.70	117%	-
AMQ-ENV15-065	WT - Pit	Waste	S3C	4.9	0	0.22	0	0.70	5.9	0	0.14	0	0.40	6.1	0	0.21	0	0.70	6.0	0	0.29	0	0.90	2.7	113%	-
AMQ-ENV15-066	WT - Pit	Waste	S3C	5.3	0.070	0.24	0.20	0.80	6.2	0	0.13	0	0.40	6.3	0	0.14	0	0.50	6.0	0	0.33	0	1.1	3.0	114%	-
AMQ-ENV-46	WT - Pit	Waste	S3C	8.0	0	0	0	0	7.5	0	0	0	0	6.9	0	0.090	0	0.30	6.0	0	0.41	0	1.3	1.6	133%	20%
AMQ-ENV15-074	WT - Pit	Waste	S3C	6.6	0	0.25	0	0.80	6.7	0	0.20	0	0.60	6.5	0	0.060	0	0.20	6.4	0	0.13	0	0.40	2.0	108%	-
AMQ-ENV-11	WT - Pit	Waste	S3C	8.3	0	0	0	0	6.7	0	0.050	0	0	6.8	0	0.080	0	0.30	6.2	0	0.17	0	0.50	0.80	105%	9%
AMQ-ENV-20	WT - Pit	Waste	S3C	7.8	0	0	0	0	7.2	0	0	0	0	6.6	0	0.14	0	0.50	6.2	0	0.29	0	0.90	1.4	127%	20%
AMQ-ENV15-097	WT - Pit	Waste	S3C	7.0	0	0	0	0	6.7	0	0.18	0	0.60	6.8	0	0.050	0	0.20	6.6	0	0.080	0	0.30	1.1	97%	-
AMQ-ENV15-042	WT - Pit	Waste	S3C	7.7	0	0	0	0	7.5	0	0	0	0	7.1	0	0	0	0	6.6	0	0.11	0	0.40	0.40	133%	-
AMQ-ENV15-120	UG	Waste	S3C	4.2	0	1.6	0	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	127%	-
AMQ-ENV16-47	WT - Pit	Waste	S3N	9.7	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150%	-
AMQ-ENV16-43	WT - Pit	Waste	S3N	8.0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96%	-
AMQ-ENV15-063	UG	Waste	S3N	7.1	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92%	-
AMQ-ENV17-25	WT - Pit	Waste	S3S	11	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42%	-
AMQ-ENV-57	WT - Pit	Ore	S9E	3.6	0.53	1.3	1.7	4.1	5.0	0	0.23	0	0.80	5.5	0	0.060	0	0.20	6.0	0	0.070	0	0.20	7.0	103%	-
AMQ-ENV15-027	WT - Pit	Ore	S9E	6.4	0	0.44	0	1.4	3.9	0.25	0.52	0.80	1.7	4.9	0	0.060	0	0.20	5.3	0	0.11	0	0.40	4.5	93%	-
AMQ-ENV-56	WT - Pit	Ore	S9E	5.0	0	0.46	0	1.5	5.9	0	0.14	0	0.50	6.4	0	0.080	0	0.30	6.4	0	0.080	0	0.30	2.6	119%	-
AMQ-ENV-49	WT - Pit	Ore	S9E	8.7	0	0	0	0	11	0	0	0	0	11	0	0	0	0	11	0	0	0	0	0	70%	3%
AMQ-ENV15-010	WT - Pit	Ore	S9E	3.5	0	0.10	0	0.30	4.3	0.13	0.38	0.40	1.2	5.1	0	0.10	0	0.30	5.6	0	0.080	0	0.30	2.5	83%	-
AMQ-ENV15-034	WT - Pit	Waste	S9E	2.9	3.2	4.3	10	14	3.8	0.28	0.53	0.90	1.7	4.6	0	0.13	0	0.40	5.1	0	0.13	0	0.40	27	79%	-
AMQ-ENV-17	WT - Pit	Waste	S9E	10	0	0	0	0	11	0	0	0	0	8.6	0	0	0	0	7.2	0	0	0	0	0	131%	30%
AMQ-ENV15-007	WT - Pit	Ore	V4A-0b	8.8	0	0	0	0	4.0	0.15	0.58	0.50	1.9	5.2	0	0.080	0	0.30	5.6	0	0.10	0	0.30	3.0	90%	-
AMQ-ENV15-095	WT - Pit	Ore	V4A-0b	5.7	0	0	0	0	3.9	0.38	0.76	1.2	2.5	4.9	0	0.12	0	0.40	5.3	0	0.10	0	0.30	4.4	88%	-
AMQ-ENV15-035	WT - Pit	Waste	S9E/S10_03/V4A-0b	2.8	3.7	4.8	12	15	4.0	0.19	0.35	0.60	1.1	4.8	0	0.11	0	0.40	5.2	0	0.090	0	0.30	29	81%	-

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by rock type (with rock model code presented in brackets) and deposit location.
(2) Deposit location is WT-Pit (Whale Tail Pit), UG (Underground) or IVR (IVR Pit).
(-) = no data reported, no calculation required

Appendix F-4
Net Acid Generation Leach Tests Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sequential NAG Leachate - Sum of Acidity and Metals Concentrations for Sequences 1 to 4																			
				pH NAG Leachate Sequence 1	pH NAG Leachate Sequence 2	pH NAG Leachate Sequence 3	pH NAG Leachate Sequence 4	Acidity	Chloride	Sulphate	Mercury	Aluminum	Silver	Arsenic	Barium	Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper
				pH unit	pH unit	pH unit	pH unit	mg/L as CaCO3	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	mg/L
AMQ-ENV15-073	WT - Pit	Ore	S10_03	4.24	5.56	5.78	5.77	-	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-025	WT - Pit	Ore	S10_03	7.63	8.91	6.92	6.50	-	-	518	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-40	WT - Pit	Waste	S10_03	2.77	3.79	4.59	4.69	249	5.0	323	0.000040	8.4	0.00023	0.016	0.21	0.0015	0.000028	0.084	40	0.00032	0.070	0.013	0.17
AMQ-ENV15-054	WT - Pit	Waste	S10_01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-008	WT - Pit	Waste	S10_03	2.50	3.35	3.90	4.24	-	-	562	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-096	WT - Pit	Waste	S10_03	5.61	4.52	6.40	5.41	-	-	313	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-53	WT - Pit	Waste	S10_03	6.93	6.43	6.74	6.45	9.0	4.0	194	0.000040	0.22	0.000020	0.015	0.014	0.000028	0.000028	0.047	75	0.000022	0.00011	0.044	0.0017
AMQ-ENV15-115	UG	Waste	S10_03	4.80	8.34	5.48	5.72	-	-	294	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-108	WT - Pit	Ore	S3C	5.79	6.22	6.27	6.23	-	-	105	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-42	WT - Pit	Ore	S3C	8.15	6.70	6.54	6.39	53	7.0	69	0.000040	0.65	0.000026	0.051	0.0090	0.000028	0.000028	0.045	41	0.000026	0.00022	0.019	0.0020
AMQ-ENV-13	WT - Pit	Waste	S3C	6.50	6.85	6.58	6.00	221	16	44	0.000040	0.24	0.000055	0.035	0.014	0.000028	0.000028	0.075	8.0	0.000040	0.00063	0.017	0.0022
AMQ-ENV-109	WT - Pit	Waste	S3C	7.83	6.65	6.39	5.73	409	23	37	0.000040	0.065	0.000048	0.013	0.011	0.000028	0.000028	0.23	8.9	0.000058	0.00049	0.024	0.0042
AMQ-ENV-18	WT - Pit	Waste	S3C	5.00	5.58	5.92	5.53	234	13	105	0.000040	0.23	0.00017	0.011	0.091	0.000037	0.000028	0.11	28	0.00061	0.0063	0.027	0.0026
AMQ-ENV-14	WT - Pit	Waste	S3C	5.27	5.86	5.48	5.19	671	21	65	0.000040	0.60	0.00052	0.028	0.090	0.000057	0.000028	0.16	10	0.00033	0.012	0.022	0.0061
AMQ-ENV15-056	WT - Pit	Waste	S3C	6.05	6.21	6.20	6.20	-	-	104	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-03	WT - Pit	Waste	S3C	3.78	5.29	5.55	5.14	594	21	96	0.000040	4.2	0.00028	0.0092	0.15	0.00063	0.000028	0.13	14	0.00037	0.069	0.023	0.048
AMQ-ENV-19	WT - Pit	Waste	S3C	7.23	7.04	6.95	6.52	48	6.0	59	0.000040	0.23	0.000020	0.036	0.0071	0.000028	0.000028	0.10	21	0.000051	0.00018	0.032	0.0017
AMQ-ENV15-098	WT - Pit	Waste	S3C	4.34	5.44	5.83	5.85	-	-	113	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-106	WT - Pit	Waste	S3C	5.24	5.75	6.08	6.20	-	-	118	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-064	WT - Pit	Waste	S3C	4.38	5.48	5.85	5.86	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-107	WT - Pit	Waste	S3C	6.93	7.11	7.28	6.73	-	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-065	WT - Pit	Waste	S3C	4.82	5.80	6.05	6.03	-	-	105	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-066	WT - Pit	Waste	S3C	4.31	5.99	6.13	6.11	-	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-46	WT - Pit	Waste	S3C	8.00	7.20	6.97	6.55	78	9.0	55	0.000040	0.58	0.000017	0.13	0.0095	0.000028	0.000028	0.068	37	0.000024	0.00011	0.026	0.0021
AMQ-ENV15-074	WT - Pit	Waste	S3C	6.26	6.40	6.42	6.49	-	-	101	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-11	WT - Pit	Waste	S3C	8.17	6.74	6.76	6.36	72	7.0	89	0.000040	1.0	0.000037	0.029	0.011	0.000028	0.000028	0.058	43	0.000032	0.00019	0.017	0.0021
AMQ-ENV-20	WT - Pit	Waste	S3C	6.56	7.14	6.96	6.58	88	8.0	61	0.000040	0.71	0.000025	0.070	0.0095	0.000028	0.000028	0.059	28	0.000022	0.00018	0.025	0.0022
AMQ-ENV15-097	WT - Pit	Waste	S3C	7.58	-	6.79	6.99	-	-	109	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-042	WT - Pit	Waste	S3C	8.07	7.48	7.15	6.85	-	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-120	UG	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV16-47	WT - Pit	Waste	S3N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV16-43	WT - Pit	Waste	S3N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-063	UG	Waste	S3N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV17-25	WT - Pit	Waste	S3S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-57	WT - Pit	Ore	S9E	3.65	4.86	5.46	5.80	-	-	283	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-027	WT - Pit	Ore	S9E	6.92	5.29	4.65	5.19	-	-	366	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-56	WT - Pit	Ore	S9E	4.64	5.88	6.13	6.45	-	-	298	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-49	WT - Pit	Ore	S9E	7.62	11.00	11.20	10.30	8.0	4.0	159	0.000050	4.2	0.000015	0.19	0.0099	0.000028	0.000028	0.83	184	0.000013	0.000024	0.42	0.0018
AMQ-ENV15-010	WT - Pit	Ore	S9E	6.84	4.33	4.80	5.12	-	-	425	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-034	WT - Pit	Waste	S9E	2.87	3.77	-	4.82	-	-	477	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-17	WT - Pit	Waste	S9E	10.20	9.71	8.44	7.40	8.0	7.0	11	0.000040	0.31	0.0000090	0.44	0.022	0.000028	0.000028	0.35	70	0.000012	0.00026	0.36	0.0085
AMQ-ENV15-007	WT - Pit	Ore	V4A-0b	9.63	4.27	5.28	5.93	-	-	486	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-095	WT - Pit	Ore	V4A-0b	7.15	4.30	5.00	5.26	-	-	236	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-035	WT - Pit	Waste	S9E/S10_03/V4A-0b	2.83	3.87	5.91	5.08	-	-	367	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by rock type (with rock model code presented in brackets) and deposit location.
(2) Deposit location is WT-Pit (Whale Tail Pit), UG (Underground) or IVR (IVR Pit).
(-) = no data reported, no calculation required

Appendix F-4
Net Acid Generation Leach Tests Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sequential NAG Leachate - Sum of Acidity and Metals Concentrations for Sequences 1 to 4																			
				Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Tin	Strontium	Silicon	Titanium	Thallium	Uranium	Vanadium	Zinc
				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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV15-073	WT - Pit	Ore	S10_03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-025	WT - Pit	Ore	S10_03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-40	WT - Pit	Waste	S10_03	4.2	34	0.019	9.9	3.1	0.0076	1.4	0.16	0.012	0.012	0.0021	0.0039	0.00097	0.055	-	0.0042	0.00062	0.0037	0.013	0.18
AMQ-ENV15-054	WT - Pit	Waste	S10_01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-008	WT - Pit	Waste	S10_03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-096	WT - Pit	Waste	S10_03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-53	WT - Pit	Waste	S10_03	0.028	21	0.0063	5.0	0.039	0.019	3.7	0.00050	0.014	0.000060	0.0037	0.0029	0.00055	0.11	-	0.0015	0.00011	0.00017	0.015	0.0080
AMQ-ENV15-115	UG	Waste	S10_03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-108	WT - Pit	Ore	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-42	WT - Pit	Ore	S3C	0.070	23	0.0049	1.7	0.049	0.023	3.1	0.00070	0.033	0.00018	0.0034	0.0016	0.0014	0.11	-	0.027	0.00019	0.00099	0.038	0.0080
AMQ-ENV-13	WT - Pit	Waste	S3C	0.25	21	0.0029	5.9	0.18	0.029	2.1	0.00090	0.072	0.00049	0.0030	0.0014	0.0033	0.020	-	0.14	0.000098	0.0031	0.028	0.0080
AMQ-ENV-109	WT - Pit	Waste	S3C	0.046	14	0.0090	4.6	0.34	0.031	2.7	0.00050	0.035	0.00027	0.0030	0.0015	0.0017	0.029	-	0.060	0.00013	0.0021	0.031	0.010
AMQ-ENV-18	WT - Pit	Waste	S3C	0.12	25	0.0020	5.8	0.98	0.030	2.6	0.077	0.032	0.00028	0.0019	0.0018	0.0019	0.066	-	0.079	0.00030	0.0013	0.038	0.013
AMQ-ENV-14	WT - Pit	Waste	S3C	0.22	19	0.0062	5.4	0.61	0.035	3.2	0.091	0.088	0.00079	0.0037	0.0018	0.0048	0.034	-	0.66	0.00030	0.0041	0.042	0.020
AMQ-ENV15-056	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-03	WT - Pit	Waste	S3C	0.29	14	0.012	5.6	1.8	0.020	2.7	0.18	0.075	0.0015	0.0020	0.0013	0.0040	0.036	-	0.63	0.00030	0.0018	0.036	0.15
AMQ-ENV-19	WT - Pit	Waste	S3C	0.060	20	0.0072	3.8	0.021	0.028	3.0	0.00050	0.042	0.00023	0.0032	0.0017	0.0010	0.032	-	0.017	0.00010	0.00087	0.034	0.0080
AMQ-ENV15-098	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-106	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-064	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-107	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-065	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-066	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-46	WT - Pit	Waste	S3C	0.054	23	0.0060	2.6	0.039	0.026	3.4	0.00040	0.059	0.00017	0.0025	0.0011	0.0012	0.051	-	0.029	0.00013	0.0017	0.029	0.0080
AMQ-ENV15-074	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-11	WT - Pit	Waste	S3C	0.065	29	0.0077	1.3	0.048	0.028	2.2	0.00060	0.027	0.00034	0.0033	0.0020	0.0014	0.054	-	0.018	0.00015	0.00080	0.027	0.0080
AMQ-ENV-20	WT - Pit	Waste	S3C	0.11	33	0.0076	1.9	0.028	0.027	3.6	0.00060	0.052	0.00018	0.0029	0.0015	0.0013	0.034	-	0.029	0.00017	0.0011	0.046	0.0080
AMQ-ENV15-097	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-042	WT - Pit	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-120	UG	Waste	S3C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV16-47	WT - Pit	Waste	S3N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV16-43	WT - Pit	Waste	S3N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-063	UG	Waste	S3N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV17-25	WT - Pit	Waste	S3S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-57	WT - Pit	Ore	S9E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-027	WT - Pit	Ore	S9E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-56	WT - Pit	Ore	S9E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-49	WT - Pit	Ore	S9E	0.028	42	0.0022	0.061	0.00096	0.0020	5.8	0.00050	0.012	0.00022	0.014	0.0027	0.00075	0.26	-	0.00074	0.000066	0.000041	0.075	0.0080
AMQ-ENV15-010	WT - Pit	Ore	S9E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-034	WT - Pit	Waste	S9E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-17	WT - Pit	Waste	S9E	0.047	21	0.0046	3.3	0.013	0.0015	1.4	0.0015	0.13	0.000080	0.0026	0.00062	0.0018	0.17	-	0.0013	0.000043	0.000069	0.061	0.0080
AMQ-ENV15-007	WT - Pit	Ore	V4A-0b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-095	WT - Pit	Ore	V4A-0b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-035	WT - Pit	Waste	S9E/S10_03/V4A-0b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by rock type (with rock model code presented in brackets) and deposit location.
(2) Deposit location is WT-Pit (Whale Tail Pit), UG (Whale Tail Underground) or IVR (IVR Pit).
(-) = no data reported, no calculation required

Appendix F-5
Trace Element Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

5 times Typical Crustal Abundance (Price, 1997)[3]			-	411500	1	9	2125	15	0	50	207500	1	125	510	300	281500	70	100	116500	4750	0	6	420	5250	104250	0	1407500	0	117750	1850	12	28250	4	14	600	350
Typical Crustal Abundance (Price, 1997)[3]			-	82300	0.20	1.8	425	3.0	0.0085	10	41500	0.15	25	102	60	56300	14	20	23300	950	0.085	1.2	84	1050	20850	0.050	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
Sample Identification[1]	Deposit Location[2]	MATERIAL	Rock Type (MODEL)	Fluoride	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
				µg/g																																
AMQ-ENV17-32	IVR	Ore	V3-1a	106	31000	1.5	240	99	0.27	< 0.09	2.0	30000	0.12	58	290	5.7	53000	7.6	23	30000	1700	< 0.05	0.20	220	260	12000	< 0.7	4200	0.19	120	66	< 0.5	1900	0.24	0.038	160	65
AMQ-ENV17-34	IVR	Ore	V3-1a	94	32000	0.90	240	40	0.17	< 0.09	2.0	51000	0.17	58	360	33	69000	2.1	19	23000	2100	< 0.05	0.20	210	220	3500	< 0.7	3900	0.42	170	100	< 0.5	600	0.090	0.025	180	84
AMQ-ENV17-80	IVR	Ore	V3-1a	490	21000	< 0.8	4.4	3400	2.3	0.19	1.0	37000	0.15	23	190	43	41000	46	41	33000	500	< 0.05	0.40	130	6000	26000	< 0.7	2500	0.26	540	890	1.1	4000	1.3	1.2	92	65
AMQ-ENV16-13	IVR	Waste	V3-1a	-	25000	< 0.8	9.5	200	0.080	< 0.09	1.0	21000	0.090	29	79	110	50000	0.79	22	17000	1500	-	0.40	74	310	10000	< 0.7	5800	0.15	350	11	< 0.5	1500	0.27	0.031	110	76
AMQ-ENV16-14	IVR	Waste	V3-1a	-	26000	< 0.8	49	320	0.15	< 0.09	1.0	24000	0.090	57	490	92	64000	0.72	21	15000	2000	-	0.40	190	250	9400	< 0.7	8100	0.17	220	15	< 0.5	1300	0.23	0.047	75	55
AMQ-ENV16-18	IVR	Waste	V3-1a	-	23000	1.0	67	320	0.13	< 0.09	1.0	28000	0.24	66	510	200	54000	1.1	21	14000	1800	-	0.40	190	250	8500	< 0.7	6200	0.47	250	12	< 0.5	1400	0.19	0.052	77	62
AMQ-ENV16-41	IVR	Waste	V3-1a	-	27000	1.0	47	35	0.13	< 0.09	2.0	16000	0.080	34	120	81	59000	0.58	21	19000	1600	-	0.70	85	290	2400	< 0.7	6300	0.30	200	11	< 0.5	790	0.080	0.058	85	54
AMQ-ENV16-52	IVR	Waste	V3-1a	-	23000	< 0.8	19	44	0.040	< 0.09	1.0	13000	0.090	31	100	85	40000	1.0	23	18000	690	-	0.20	42	250	4300	< 0.7	4500	0.37	210	7.3	< 0.5	1000	0.12	0.040	77	50
AMQ-ENV16-53	IVR	Waste	V3-1a	-	18000	2.0	340	55	0.16	< 0.09	1.0	25000	0.050	70	730	87	53000	7.2	13	20000	1500	-	0.90	440	130	4400	0.70	3800	0.87	71	36	< 0.5	620	0.21	0.065	55	26
AMQ-ENV16-54	IVR	Waste	V3-1a	-	24000	< 0.8	97	85	0.22	< 0.09	2.0	39000	3.1	39	190	69	60000	7.3	18	18000	1400	-	0.50	140	260	7800	< 0.7	5500	0.79	150	72	< 0.5	960	0.33	0.13	96	210
AMQ-ENV16-56	IVR	Waste	V3-1a	-	22000	2.5	660	130	0.67	< 0.09	< 1	30000	0.11	41	990	43	37000	10	17	29000	950	-	0.40	520	45	20000	< 0.7	4100	0.74	91	200	< 0.5	1000	0.53	0.019	48	36
AMQ-ENV16-57	IVR	Waste	V3-1a	-	26000	1.1	41	72	0.18	< 0.09	2.0	16000	0.080	34	130	43	54000	1.5	26	19000	1300	-	0.50	77	240	8000	< 0.7	4700	0.35	170	17	< 0.5	1200	0.26	0.034	97	92
AMQ-ENV16-60	IVR	Waste	V3-1a	-	37000	< 0.8	87	120	0.10	< 0.09	1.0	31000	0.12	33	96	56	66000	2.1	32	24000	1900	-	0.20	64	300	17000	< 0.7	7200	0.19	270	26	< 0.5	1800	0.36	0.045	180	72
AMQ-ENV16-61	IVR	Waste	V3-1a	-	22000	< 0.8	55	550	0.96	< 0.09	< 1	30000	0.38	30	780	32	46000	4.7	18	40000	690	-	0.60	160	760	20000	< 0.7	5000	0.17	160	210	0.70	2000	0.74	1.3	75	45
AMQ-ENV16-62	IVR	Waste	V3-1a	-	18000	< 0.8	86	41	0.090	< 0.09	3.0	19000	0.12	28	85	130	35000	1.5	19	14000	670	-	0.30	39	210	3500	< 0.7	4100	0.53	250	15	< 0.5	890	0.11	0.040	70	38
AMQ-ENV17-33	IVR	Waste	V3-1a	95	33000	0.90	69	42	0.11	< 0.09	2.0	48000	0.16	45	180	46	59000	3.5	20	25000	2000	< 0.05	0.30	96	220	3800	< 0.7	2700	0.34	140	47	< 0.5	1100	0.10	0.035	160	77
AMQ-ENV17-35	IVR	Waste	V3-1a	122	30000	< 0.8	35	240	0.20	< 0.09	2.0	7700	0.030	30	88	28	59000	0.79	29	19000	1400	< 0.05	0.30	50	280	17000	< 0.7	4100	0.18	230	13	< 0.5	2200	0.35	0.042	100	54
AMQ-ENV17-36	IVR	Waste	V3-1a	128	32000	0.90	67	55	0.090	< 0.09	1.0	35000	0.11	50	240	65	65000	1.8	22	22000	2000	< 0.05	0.30	120	220	5200	< 0.7	5400	0.31	250	18	< 0.5	1300	0.15	0.033	150	70
AMQ-ENV17-41	IVR	Waste	V3-1a	132	25000	1.0	75	85	0.14	< 0.09	3.0	20000	0.060	41	85	47	46000	1.5	27	19000	1200	< 0.05	0.30	79	250	9700	< 0.7	1700	0.15	140	11	< 0.5	1500	0.32	0.038	120	74
AMQ-ENV17-42	IVR	Waste	V3-1a	111	38000	< 0.8	36	63	0.13	< 0.09	1.0	29000	0.12	40	65	46	65000	2.8	23	33000	1100	< 0.05	0.20	46	240	7400	< 0.7	4100	0.30	150	42	< 0.5	1600	0.16	0.023	190	59
AMQ-ENV17-45	IVR	Waste	V3-1a	65	7800	1.2	96	17	0.040	< 0.09	2.0	19000	0.12	38	120	120	10000	1.4	7.0	5800	390	< 0.05	0.50	87	230	1700	< 0.7	3200	0.77	390	13	< 0.5	870	0.030	0.032	35	19
AMQ-ENV17-77	IVR	Waste	V3-1a	16	18000	12	1000	3.7	0.19	0.090	1.0	21000	0.080	97	1100	21	29000	1.2	< 2	44000	760	< 0.05	< 0.1	710	86	230	< 0.7	1200	0.070	170	170	< 0.5	81	< 0.02	0.016	70	24
AMQ-ENV17-78	IVR	Waste	V3-1a	90	18000	0.80	47	32	0.060	< 0.09	8.0	16000	0.080	50	310	97	39000	0.89	13	12000	1200	< 0.05	0.30	140	260	1500	< 0.7	3000	0.18	300	10	< 0.5	1100	0.050	0.032	63	41
Basalts North (V3N-1a) IVR Ore			Minimum	94	21000	< 0.8	4.4	40	0.17	< 0.09	1.0	30000	0.12	23	190	5.7	41000	2.1	19	23000	500	< 0.05	0.20	120	3500	< 0.07	2500	0.19	120	66	< 0.5	600	0.090	0.025	92	65
			Maximum	490	32000	1.5	240	3400	2.3	0.19	2.0	51000	0.17	58	360	43	69000	46	41	33000	2100	0.050	0.40	220	6000	26000	0.70	4200	0.42	540	890	1.1	4000	1.3	1.2	180	84
			Median	106	31000	0.90	240	99	0.27	0.090	2.0	37000	0.15	58	290	33	53000	7.6	23	30000	1700	0.050	0.20	210	260	12000	0.70	3900	0.26	170	100	0.50	1900	0.24	0.038	160	65
			Average	230	28000	1.1	161	1180	0.91	0.12	1.7	39333	0.15	46	280	27	54333	19	28	28667	1433	0.050	0.27	187	2160	13833	0.70	3533	0.29	277	352	0.70	2167	0.54	0.42	144	71
			Standard Deviation	225	6083	0.38	136	1923	1.2	0.058	0.58	10693	0.025	20	85	19	14048	24	12	5132	833	8.5E-18	0.12	49	3326	11361	1.4E-16	907	0.12	229	466	0.35	1716	0.66	0.67	46	11
			75th Percentile	298	31500	1.2	240	1750	1.3	0.14	2.0	44000	0.16	58	325	38	61000	27	32	31500	1900	0.050	0.30	215	3130	19000	0.70	4050	0.34	355	495	0.80	2950	0.77	0.62	170	75
Basalts North (V3N-1a) IVR Waste			Minimum	-	7800	< 0.8	9.5	3.7	0.040	< 0.09	< 1	7700	0.030	28	65	21	10000	0.58	< 2	5800	390	< 0.05	< 0.1	39	45	230	< 0.07	1200	0.070	71	7.3	< 0.5	81	0.020	0.016	35	19
			Maximum	132	38000	12	1000	550	0.96	0.090	8.0	48000	3.1	97	1100	200	66000	10	32	44000	2000	0.050	0.90	710	760	20000	0.70	8100	0.87	390	210	0.70	2200	0.74	1.3	190	210
			Median	103	24500	0.85	67	68	0.13	0.090	1.0	22500	0.10	40	155	67	53500	1.5	21	19000	1350	0.050	0.35	92	250	7600	0.70	4300	0.31	205	16	0.50	1150	0.20	0.039	81	55
			Average	95	24640	1.6	149	125	0.19	0.090	1.9	24385	0.27	44	324	75	49500	2.6	20	21340	1303	0.050	0.39	167	254	8092	0.70	4535	0.37	208	48	0.51	1211	0.23	0.11	97	62
			Standard Deviation	39	7157	2.5	249	137	0.22	2.8E-17	1.6	9583	0.67	17	328	43	14453	2.6	7.1	9230	498	7.4E-18	0.19	180	137	6093	2.3E-16	1735	0.25	81	65	0.045	488	0.18	0.28	43	40
			75th Percentile	124	27750	1.0	89	148	0.18	0.090	2.0	30000	0.12	50	495	93	59250	3.0	23	24250	1650	0.050	0.50	168	265	9775	0.70	5575	0.49	250	43	0.50	1500	0.32	0.048	113	73
AMQ-ENV17-39	IVR	Waste	V3-1b	219	30000	< 0.8	5.6	570	0.68	< 0.09	< 1	6600	0.030	28	790	54	42000	7.9	30	35000	390	< 0.05	0.50	200	990	24000	< 0.7	2000	0.080	220	31	0.50	2100	0.43	1.3	100	45
AMQ-ENV16-01	WT - Pit	Waste	V3-1b	295	16000	< 0.8	1.8	170	0.53	0.22	1.0	6000	0.020	17	400	42	25000	2.1	22	19000	300	< 0.05	0.40	85	1100	11000	< 0.7	7400	0.040	420	28	< 0.5	820	0.31	1.0	50	30
AMQ-ENV-07	WT - Pit	Waste	V3-1b	2010	27000	< 0.8	24	2500	3.5	< 0.09	30	39000	0.13	26	320	41	47000	7.8	110	42000	860	< 0.05	0.30	220	8400	25000	< 0.7	7700	0.20	230	710	1.2	3500	0.87	1.3	89	63
AMQ-ENV16-06	WT - Pit	Waste	V3-1b	249	19000	< 0.8	9.5	230	0.53	0.22	12	5000	0.080	16	240	32	35000	17	28	18000	360	< 0.05	0.40	69	730	13000	< 0.7	7400	0.070	580	27	< 0.5	1100	0.37	1.3	60	46
AMQ-ENV15-006	WT - Pit	Waste	V3-1b	152	30000	< 0.8	16	470	0.80	< 0.09	4.0	12000	0.020	28	1040	36	44000	3.8	35	50000	560	< 0.05	0.30	280	930	21000	< 0.7	11000	0.040	220	100	< 0.5	2100	0.61	0.64	75	39
AMQ-ENV-08	WT - Pit	Waste	V3-1b	1330	27000	< 0.8	8.0	1900	1.5	< 0.09	1.0	20000	0.10	25	500	38	39000	22	60	37000	480	< 0.05	0.40	190	5000	24000	< 0.7	12000	0.17	340	430	0.60	2800	0.64	0.95	69	56
AMQ-ENV15-004	WT - Pit	Waste	V3-1b	171	30000	< 0.8	3.6	600	0.81	0.10	2.0	10000	0.040	25	800	42	43000	6.4	30	40000	450	< 0.05	1.5	210	970	23000	< 0.7	14000	0.060	710	94	0.60	2200	0.55	1.3	81	46
AMQ-ENV16-02	WT - Pit	Waste	V3-1b	268	20000	< 0.8	5.4	250	0.62	0.30	7.0	8500	0.050	16	280	50	34000	6.8	28	21000	430	< 0.05	0.60	78	830	14000	< 0.7	7400	0.080	550	29	< 0.5	1100	0.42	1.4	62	40
AMQ-ENV15-024	WT - Pit	Waste	V3-1b	261	21000	< 0.8	3.4	150	0.49	0.17	2.0	10000	0.040	18	490	51	31000	8.5	23	25000	350	< 0.05	0.80	140	1200	12000	< 0.7	9700	0.10	630	49	< 0.5	1200	0.31	1.2	46	36
AMQ-ENV15-094	WT - Pit	Waste	V3-1b	277	31000	< 0.8	14	370	0.52	< 0.09	2.0	18000	0.050	29	720	57	43000	8.4	29	38000	650	< 0.05	1.4	200	1300	16000	< 0.7	6100	0.11	290	87	< 0.5	1400	0.35	0.50	80	53
AMQ-ENV15-005	WT - Pit	Waste	V3-1b	127	28000	< 0.8	12	400	0.71	< 0.09	2.0	18000	0.030	27	1090	17	42000	1.4	27	49000	560	< 0.05	0.20	270	830	17000	< 0.7	10000	0.050	67	99	< 0.5	1700	0.52	0.57	78	35
AMQ-ENV-09	WT - Pit	Waste	V3-1b	175	28000	< 0.8	2.8	590	0.80	< 0.09	37	15000	0.060	29	900	110	40000	2.0	44	45000	550	< 0.05	0.80	260	950	24000	< 0.7	10000	0.080	180	78	0.70	2200	0.69	0.81	79	44
AMQ-ENV16-04	WT - Pit	Waste	V3-1b	241	21000	< 0.8	60	430	0.64	< 0.09	1.0	29000	0.040	30	560	14	32000	5.5	20	32000	570	< 0.05	0.20	160	1000	17000	< 0.7	6000	0.050	210	120	< 0.5	1600	0.38	0.29	69	36
AMQ-ENV15-022	WT - Pit	Waste	V3-1b	348	32000	< 0.8	2.5	900	0.95	0.11	1.0	19000	0.060	27	810	33	45000	11	29	44000	520	< 0.05	0.60	220	1800	25000	< 0.7	12000	0.10	520	210	0.50	2500	0.62	1.1	88	48
AMQ-ENV15-013	WT - Pit	Waste	V3-1b	152	28000	< 0.8	2.7	650	0.79	< 0.09	< 1	13000	0.040	26	830	52	43000	3.2	26	43000	460	< 0.05	0.60	230	1000	24000	< 0.7	14000	0.060	600	120	0.60	2300	0.65	1.0	84	41
AMQ-ENV-63	WT - Pit	Waste	V3-1b	260	41000	< 0.8	46	590	0.71	0.15	< 1	37000	0.19	28	470	83	67000	17	19	52000	690	< 0.05	0.40	140	1200	23000	< 0.7	2000	0.16	250	230	< 0.5	2000	0.50	0.71	100	61
AMQ-ENV16-03	WT - Pit	Waste	V3-1b	321	25000	< 0.8	1.1	520	0.60	0.16	< 1	9700	0.050	21	470	79	38000	7.5	30	25000	480	< 0.05	0.40	130	1200	23000	< 0.7	8600	0.11	460	45	< 0.5	1500	0.54	0.72	76	45
AMQ-ENV15-001	WT - Pit	Waste	V3-1b	202	27000	< 0.8	16	300	0.68	0.16	8.0	6600	0.040	22	490	42	45000	2.9	31	28000	480	< 0.05	0.90	120	780	15000	< 0.7	8600	0.060	650	40	0.50	1500	0.40	1.5	66	47
AMQ-ENV15-104	WT - Pit	Waste	V3-1b	163	30000	< 0.8	2.6	500	0.67	< 0.09	1.0	13000	0.040	27	1130	35	42000	13	27	44000	500	< 0.05	0.50	250	1000	19000	< 0.7	12000	0.050	270	110	< 0.5	1900	0.55	0.85	93	46
AMQ-ENV16-12	WT - Pit	Waste	V3-1b	311	17000	< 0.8	16	200	0.40	0.10	2.0	10000	0.10	18	350	44	26000	15	20	18000	380	< 0.05	0.40	94	900	10000	< 0.7	7400	0.12	550	34	< 0.5	890	0.30	1.3	54	39
AMQ-ENV-50	WT - Pit	Waste	V3-1b	244	35000	< 0.8	35	450	0.52	0.11	2.0	28000	0.13	29	490	66	61000	9.0	22	41000	730	< 0.05	1.6	150	1300	15000	< 0.7	1300	0.080	160	100	< 0.5	1800	0.34	1.1	110	68
AMQ-ENV16-07	WT - Pit	Waste	V3-1b	352	23000	< 0.8	0.70	410	0.58	< 0.09	< 1	21000	0.050	19	490	51	36000	6.6	23	27000	530	< 0.05	0.20	120	1300	19000	< 0.7	8500	0.080	390	120	< 0.5	1500	0.41	0.43	78	42
AMQ-ENV16-11	WT - Pit	Waste	V3-1b	230	23000	< 0.8	1.2	570	0.89	0.23	< 1	22000	0.060	21	880	43	35000	13	24	34000	460	< 0.05	0.30	180	970	24000	< 0.7	8200	0.12	360	150	0.60	2100	0.70	0.73	89	36
AMQ-ENV16-09	WT - Pit	Waste	V3-1b	231	20000	< 0.8	1.7	390	0.60	< 0.09	2.0	11000	0.030	19	610	48	30000	7.7	28	26000	310	< 0.05	0.40	140	920	18000	< 0.7	8400	0.080	410	72	< 0.5	1400	0.45	1.3	65	32
AMQ-ENV16-10	WT - Pit	Waste	V3-1b	194	19000	< 0.8	0.60	450	0.60	< 0.09	< 1	14000	0.030	20	630	83	28000	5.0	24	28000	380	< 0.05	5.8	190	900	18000	< 0.7	6600	0.10	260	170	< 0.5	1700	0.48	0.76	51	29
AMQ-ENV16-08	WT - Pit	Waste	V3-1b	291	21000	< 0.8	1.4	430	0.76	0.14	1.0	19000	0.060	21	460	44	33000	13	23	25000	490	< 0.05	0.30	120	1000	18000	< 0.7	7900	0.10	390	99	0.60	1400	0.43	1.2	73	40
AMQ-ENV-118	WT - Pit	Waste	V3-1b	218	32000	< 0.8	21	610	0.74	< 0.09	1.0	21000	0.060	31	550	39	51000	3.9	25	40000	680	< 0.05	0.50	190	970	22000	< 0.7	11000	0.080	330	200	0.50	2300	0.68	1.0	78	61
AMQ-ENV-61	WT - Pit	Waste	V3-1b	148	28000	< 0.8	200	550	0.71	0.17	1.0	30000	0.10	36	970	43	45000	5.9	23	43000	770	< 0.05	0.50	330	820	21000	< 0.7	1200	0.080	110	210	< 0.5	2000	0.52	0.94	89	46
AMQ-ENV-51	WT - Pit	Waste	V3-1b	222	25000	< 0.8	390	290	0.71	0.12	1.0	13000	0.080	47	990	29	35000	4.7	20	36000	510	< 0.05	0.80	340	900	12000	< 0.7	1100	0.15	150	140	< 0.5	1700	0.34	1.2	81	47
AMQ-ENV-113	WT - Pit	Waste	V3-1b	184	33000	< 0.8	0.90	490	0.64	< 0.09	2.0	17000	0.080	24	560	40	47000	8.1	26	35000	540	< 0.05	0.60	140	910	20000	< 0.7	11000	0.090	500	67	0.60	1800	0.46	1.5	74	54
AMQ-RMP-12	UG	Waste	V3-1b	798	35000	< 0.8	8.6	140	0.070	< 0.09	< 1	14000	0.060	33	162	8.2	110000	1.4	43	24000	800	< 0.05	1.7	32	4900	6700	< 0.7	2900	0.050	130	18	< 0.5	1600	0.21	0.77	230	120
AMQ-RMP-11	UG	Waste	V3-1b	462	33000	< 0.8	6.0	210	0.15	< 0.09	< 1	14000	0.060	31	102	18	78000	3.1	32	22000	730	< 0.05	0.90	28	3400	9600	< 0.7	2600	0.080	210	18	< 0.5	1700	0.34	0.55	160	91
AMQ-ENV17-61	UG	Waste	V3-1b	443	31000	< 0.8	21	440	0.42	0.10	< 1	11000	0.10	32	630	57	42000	7.5	26	34000	530	< 0.05	0.30	190	1700	19000	< 0.7	3400	0.11	200	56	< 0.5	1700	0.38	0.44	90	55
AMQ-ENV15-052	UG	Waste	V3-1b	193	39000	< 0.8	93	540	0.83	< 0.09	< 1	37000	0.060	38	780	7.8	57000	3.1	20	53000	840	< 0.05	0.40	230	1200	23000	< 0.7	9300	0.010	110	260	0.60	2100	0.57	0.51	92	63
AMQ-ENV15-044	UG	Waste	V3-1b	241	27000	< 0.8	4.4	400	0.43	< 0.09	1.0	19000	0.040	23	770	34	40000	1.5	23	34000	620	< 0.05	0.20	180	1100	13000	< 0.7	8200	0.030	220	120	< 0.5	1400	0.24	0.37	66	44
AMQ-ENV17-48	UG	Waste	V3-1b	212	32000	< 0.8	3.5	410	0.59	< 0.09	1.0	17000	0.050	28	790	49	44000	5.4	23	38000	500	< 0.05	0.30	180	870	18000	< 0.7	3800	0.060	290	85	0.50	1900	0.35	1.1	100	48
AMQ-ENV17-60	UG	Waste	V3-1b	266	32000	< 0.8	3.2	530	0.43	< 0.09	1.0	15000	0.080	27	520	47	49000	7.7	22	32000	660	< 0.05	0.40	150	890	19000	< 0.7	5400	0.070	300	79	< 0.5	1900	0.37	0.91	93	61
AMQ-ENV17-53	UG	Waste	V3-1b	127	31000	< 0.8	5.7	490	0.32	< 0.09	1.0	16000	0.070	24	310	52	58000	5.8	14	28000	590	< 0.05	0.90	100	860	13000	< 0.7	4700	0.060	300	79	< 0.5	1700	0.29	1.1	110	66
AMQ-ENV15-050	UG	Waste	V3-1b	170	33000	1.0	440	300	0.72	< 0.09	1.0	25000	0.11	41	770	25	48000	4.8	19	44000	660	< 0.05	0.60	330	690	19000	< 0.7	9600	0.090	350	140	< 0.5	1700	0.45	1.2	79	51
AMQ-ENV17-28	UG	Waste	V3-1b	254	33000	< 0.8	13	620	0.42	< 0.09	3.0	7100	0.070	23	200	39	57000	12	27	25000	610	< 0.05	0.60	82	790	20000	< 0.7	4600	0.060	370	55	< 0.5	2000	0.46	1.5	98	74
AMQ-ENV17-52	UG	Waste	V3-1b	341	27000	< 0.8	7.1	360	0.37	< 0.09	1.0	10000	0.050	25	630	51	36000	3.9	20	29000	430	< 0.05	0.30	180	1300	18000	< 0.7	4100	0.080	290

Appendix F-5
Trace Element Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (Price, 1997)[3]				-	82300	0.20	1.8	425	3.0	0.0085	10	41500	0.15	25	102	60	56300	14	20	23300	950	0.085	1.2	84	1050	20850	0.050	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
Sample Identification[1]	**Deposit Location[2]**	**MATERIAL**	**Rock Type (MODEL)**	**Fluoride**	**Aluminum**	**Antimony**	**Arsenic**	**Barium**	**Beryllium**	**Bismuth**	**Boron**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**	**Iron**	**Lead**	**Lithium**	**Magnesium**	**Manganese**	**Mercury**	**Molybdenum**	**Nickel**	**Phosphorus**	**Potassium**	**Selenium**	**Silicon**	**Silver**	**Sodium**	**Strontium**	**Tin**	**Titanium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**
				µg/g																																
AMQ-ENV-34	WT - Pit	Ore	S10_03	282	11000	0.80	180	41	0.89	0.30	9.0	7600	0.28	6.0	17	15	66000	5.5	11	7300	640	< 0.05	2.5	20	480	9200	< 0.7	7900	0.29	110	13	< 0.5	450	0.39	1.0	14	51
AMQ-ENV15-073	WT - Pit	Ore	S10_03	136	19000	< 0.8	44	88	0.46	0.25	7.0	2500	0.11	5.8	18	18	36000	8.6	16	8800	580	< 0.05	2.8	13	360	9400	< 0.7	9600	0.14	630	17	< 0.5	720	0.50	3.8	20	64
AMQ-ENV15-138	WT - Pit	Ore	S10_03	125	9100	1.7	830	25	0.57	0.15	3.0	9400	0.21	4.7	120	23	83000	4.0	4.0	5500	1000	< 0.05	3.0	20	420	3600	1.0	2900	0.66	84	16	< 0.5	250	0.16	0.39	10	36
AMQ-ENV15-139	WT - Pit	Ore	S10_03	177	19000	1.5	450	44	0.59	< 0.09	2.0	9200	0.020	5.6	63	10	90000	1.4	5.0	8800	1100	< 0.05	1.6	24	810	11000	< 0.7	4300	0.18	210	9.7	< 0.5	510	0.26	0.53	15	18
AMQ-ENV17-21	WT - Pit	Ore	S10_03	215	18000	0.80	31	49	0.58	0.13	2.0	15000	0.060	5.4	42	13	89000	4.1	13	8800	1500	< 0.05	0.90	11	730	9300	< 0.7	2800	0.24	430	38	< 0.5	860	0.78	0.31	27	38
AMQ-ENV15-009	WT - Pit	Ore	S10_03	171	4200	1.4	1100	10	0.45	0.14	4.0	10000	0.030	2.3	110	15	54000	1.6	2.0	4400	790	< 0.05	2.5	14	570	2300	< 0.7	13000	0.16	180	16	< 0.5	100	0.060	0.20	2.0	12
AMQ-ENV15-025	WT - Pit	Ore	S10_03	173	7300	< 0.8	88	14	1.4	0.32	3.0	26000	0.26	3.0	6.5	16	64000	2.5	4.0	5900	870	< 0.05	2.3	8.6	500	5200	< 0.7	7100	0.16	350	38	< 0.5	170	0.11	0.59	8.0	15
AMQ-ENV17-19	WT - Pit	Ore	S10_03	228	16000	< 0.8	30	91	0.24	0.24	4.0	6300	0.070	12	53	22	31000	15	13	8500	470	< 0.05	2.8	26	680	9900	< 0.7	2600	0.12	240	26	< 0.5	970	0.62	3.8	27	59
AMQ-ENV-40	WT - Pit	Waste	S10_03	145	12000	0.80	280	49	0.34	0.22	5.0	4800	0.040	7.3	15	20	57000	3.6	8.0	6000	1100	< 0.05	1.3	20	380	5700	< 0.7	11000	0.23	170	7.9	< 0.5	360	0.24	0.61	11	36
AMQ-ENV15-037	WT - Pit	Waste	S10_03	202	7000	1.4	130	16	0.46	0.33	2.0	1200	0.030	5.3	6.6	52	59000	18	7.0	4300	540	< 0.05	2.0	22	320	3600	< 0.7	6400	0.34	71	2.8	< 0.5	160	0.18	0.98	8.0	16
AMQ-ENV15-091	WT - Pit	Waste	S10_03	134	17000	1.4	690	52	0.56	0.23	9.0	3000	0.040	4.2	130	21	70000	7.5	12	7700	900	< 0.05	6.7	18	490	7300	< 0.7	14000	0.18	300	8.0	< 0.5	400	0.27	2.0	10	37
AMQ-ENV15-054	WT - Pit	Waste	S10_01	222	13000	< 0.8	86	76	0.39	0.37	7.0	10000	0.060	12	17	140	63000	20	16	8600	740	< 0.05	3.2	67	740	6100	< 0.7	6400	0.97	420	10	< 0.5	410	0.21	2.0	20	28
AMQ-ENV15-088	WT - Pit	Waste	S10_03	152	27000	1.6	550	170	0.17	< 0.09	< 1	61000	0.090	65	1240	110	48000	2.5	19	44000	1100	< 0.05	0.40	550	290	18000	< 0.7	8700	0.30	130	130	< 0.5	980	0.42	< 0.002	79	36
AMQ-ENV15-019	WT - Pit	Waste	S10_03	175	12000	2.0	350	34	0.96	0.37	13	7300	0.070	8.5	40	16	79000	12	11	7800	910	< 0.05	2.2	72	370	6400	< 0.7	9400	0.23	240	8.3	< 0.5	330	0.26	3.4	10	21
AMQ-ENV15-092	WT - Pit	Waste	S10_01	74	8900	1.7	530	21	0.42	0.19	4.0	12000	0.060	18	120	26	100000	2.6	4.0	9000	2100	< 0.05	1.3	210	160	5800	1.4	9300	0.60	130	16	< 0.5	180	0.10	0.13	15	29
AMQ-ENV15-046	WT - Pit	Waste	S10_03	245	11000	0.90	56	14	1.4	0.29	15	11000	0.070	3.0	9.1	11	87000	7.4	4.0	7400	820	< 0.05	2.0	12	470	5600	< 0.7	9100	0.23	280	16	< 0.5	170	0.13	0.61	9.0	11
AMQ-ENV15-008	WT - Pit	Waste	S10_03	116	12000	1.4	46	19	0.62	0.29	5.0	8500	0.34	4.8	150	20	74000	4.7	7.0	5600	950	< 0.05	8.3	24	300	2700	< 0.7	13000	0.11	280	10	< 0.5	160	0.090	0.84	9.0	69
AMQ-ENV-48	WT - Pit	Waste	S10_03	80	10000	2.0	1700	17	0.79	0.47	11	9800	0.070	4.8	65	27	100000	7.8	4.0	8700	1800	< 0.05	3.1	27	350	4400	1.8	1800	0.62	230	12	< 0.5	190	0.050	0.35	12	22
AMQ-ENV15-048	WT - Pit	Waste	S10_03	181	26000	< 0.8	28	48	0.76	0.25	4.0	14000	0.080	3.5	14	2.7	65000	12	21	11000	940	< 0.05	5.7	11	540	11000	< 0.7	10000	0.090	380	19	< 0.5	760	0.48	2.6	15	46
AMQ-ENV15-096	WT - Pit	Waste	S10_03	230	28000	< 0.8	57	83	1.0	0.32	3.0	12000	0.12	6.8	32	16	93000	7.7	15	9500	940	< 0.05	3.0	29	620	13000	< 0.7	7400	0.17	310	15	0.60	1000	0.74	1.3	31	79
AMQ-ENV-53	WT - Pit	Waste	S10_03	92	7400	< 0.8	68	100	0.31	0.39	5.0	9200	0.31	7.7	53	20	19000	11	6.0	3100	440	< 0.05	2.8	20	460	4400	< 0.7	1100	0.14	440	20	< 0.5	320	0.21	2.6	7.0	96
AMQ-ENV15-141	WT - Pit	Waste	S10_03	135	13000	1.1	100	20	0.83	< 0.09	4.0	13000	0.050	3.3	77	5.8	62000	3.4	8.0	5100	920	< 0.05	1.8	11	570	5300	< 0.7	4600	0.080	470	14	< 0.5	370	0.16	1.3	9.0	19
AMQ-ENV15-061	WT - Pit	Waste	S10_03	212	20000	< 0.8	17	95	0.23	0.21	3.0	8200	0.050	12	72	40	43000	9.9	14	10000	530	< 0.05	2.8	29	670	8400	< 0.7	6800	0.080	630	33	< 0.5	810	0.57	2.8	26	63
AMQ-ENV15-043	UG	Ore	S10_03	107	8700	1.0	120	31	0.58	0.30	2.0	9600	0.56	4.4	140	28	74000	6.9	4.0	5800	940	< 0.05	3.9	21	130	3500	< 0.7	8900	1.4	140	11	< 0.5	300	0.24	0.22	9.0	87
AMQ-ENV15-115	UG	Waste	S10_03	201	9200	1.2	31	15	0.70	0.26	4.0	13000	0.030	3.3	73	10	69000	1.8	< 2	4900	730	< 0.05	1.6	13	610	5200	< 0.7	15000	0.14	980	14	< 0.5	230	0.14	0.33	7.0	13
AMQ-ENV15-067	UG	Waste	S10_03	192	7700	< 0.8	28	39	0.82	0.32	2.0	27000	0.20	4.4	110	27	98000	4.2	3.0	6900	2100	< 0.05	5.1	16	660	3400	1.2	5500	0.35	710	99	< 0.5	120	0.11	0.18	7.0	70
Chert Central (S10) WT-Pit Ore			**Minimum**	125	4200	< 0.8	30	10	0.24	< 0.09	2.0	2500	0.020	2.3	6.5	10	31000	1.4	2.0	4400	470	< 0.05	0.90	8.6	360	2300	< 0.7	2600	0.12	84	9.7	< 0.5	100	0.060	0.20	2.0	12
			Maximum	282	19000	1.7	1100	91	1.4	0.32	9.0	26000	0.28	12	120	23	90000	15	16	8800	1500	0.050	3.0	26	810	11000	1.0	13000	0.66	630	38	0.50	970	0.78	3.8	27	64
			Median	175	13500	0.80	134	43	0.58	0.20	3.5	9300	0.090	5.5	48	16	65000	4.1	8.0	7900	830	0.050	2.5	17	535	9250	0.70	5700	0.17	225	17	0.50	480	0.33	0.56	15	37
			Average	188	12950	1.1	344	45	0.65	0.20	4.3	10750	0.13	5.6	54	17	64125	5.3	8.5	7250	869	0.050	2.3	17	569	7488	0.74	6275	0.24	279	22	0.50	504	0.36	1.3	15	37
			Standard Deviation	51	5796	0.39	414	31	0.35	0.086	2.5	7103	0.10	2.9	42	4.4	22800	4.5	5.3	1764	332	7.4E-18	0.71	6.3	158	3280	0.11	3789	0.18	183	11	-	324	0.26	1.5	8.9	20
			75th Percentile	218	18250	1.4	545	59	0.67	0.26	4.8	11250	0.22	5.9	75	19	84500	6.3	13	8800	1025	0.050	2.8	21	693	9525	0.70	8325	0.25	370	29	0.50	755	0.53	1.7	22	53
Chert Central (S10) WT-Pit Waste			**Minimum**	74	7000	< 0.8	17	14	0.17	< 0.09	1.0	1200	0.030	3.0	6.6	2.7	19000	2.5	4.0	3100	440	< 0.05	0.40	11	160	2700	< 0.7	1100	0.080	71	2.8	< 0.5	160	0.050	< 0.002	7.0	11
			Maximum	245	28000	2.0	1700	170	1.4	0.47	15	61000	0.34	65	1240	140	100000	20	21	44000	2100	0.050	8.3	550	740	18000	1.8	14000	0.97	630	130	0.60	1000	0.74	3.4	79	96
			Median	152	12000	1.1	100	48	0.56	0.29	5.0	9800	0.070	6.8	53	20	65000	7.7	8.0	7800	920	0.050	2.8	24	460	5800	0.70	8700	0.23	280	14	0.50	360	0.21	1.3	11	36
			Average	160	14953	1.2	313	54	0.62	0.27	6.1	12333	0.099	11	136	35	67933	8.7	10	9853	982	0.050	3.2	75	449	7180	0.82	7933	0.29	299	21	0.51	440	0.27	1.4	18	41
			Standard Deviation	55	7061	0.45	442	44	0.34	0.11	4.1	13939	0.095	15	309	39	22189	5.3	5.6	9702	443	7.2E-18	2.2	141	160	4029	0.33	3623	0.25	150	31	0.026	298	0.20	1.1	18	25
			75th Percentile	207	18500	1.5	440	80	0.81	0.35	8.0	12000	0.085	10	99	34	83000	12	15	9250	1025	0.050	3.5	48	555	7850	0.70	9700	0.32	400	18	0.50	585	0.35	2.3	18	55
Chert Central (S10) UG Waste			**Minimum**	192	7700	< 0.8	28	15	0.70	0.26	2.0	13000	0.030	3.3	73	10	69000	1.8	< 2	4900	730	< 0.05	1.6	13	610	3400	< 0.7	5500	0.14	710	14	< 0.5	120	0.11	0.18	7.0	13
			Maximum	201	9200	1.2	31	39	0.82	0.32	4.0	27000	0.20	4.4	110	27	98000	4.2	3.0	6900	2100	0.050	5.1	16	660	5200	1.2	15000	0.35	980	99	0.50	230	0.14	0.33	7.0	70
			Median	197	8450	1.0	30	27	0.76	0.29	3.0	20000	0.12	3.9	92	19	83500	3.0	2.5	5900	1415	0.050	3.4	15	635	4300	0.95	10250	0.25	845	57	0.50	175	0.13	0.26	7.0	42
			Average	197	8450	1.0	30	27	0.76	0.29	3.0	20000	0.12	3.9	92	19	83500	3.0	2.5	5900	1415	0.050	3.4	15	635	4300	0.95	10250	0.25	845	57	0.50	175	0.13	0.26	7.0	42
			Standard Deviation	6.4	1061	0.28	2.1	17	0.085	0.042	1.4	9899	0.12	0.78	26	12	20506	1.7	0.71	1414	969	-	2.5	2.1	35	1273	0.35	6718	0.15	191	60	-	78	0.021	0.11	-	40
			75th Percentile	199	8825	1.1	30	33	0.79	0.31	3.5	23500	0.16	4.1	101	23	90750	3.6	2.8	6400	1758	0.050	4.2	15	648	4750	1.1	12625	0.30	913	78	0.50	203	0.13	0.29	7.0	56
AMQ-ENV15-100	WT - Pit	Waste	I2S	268	34000	< 0.8	15	140	0.48	0.29	4.0	11000	0.41	16	57	15	71000	83	28	22000	590	< 0.05	1.4	25	1400	15000	< 0.7	4900	0.19	370	20	0.80	1700	0.53	2.3	69	120
AMQ-ENV15-077	WT - Pit	Waste	I2S	228	26000	< 0.8	19	190	0.39	< 0.09	3.0	22000	0.080	15	55	12	54000	11	23	14000	580	< 0.05	2.0	19	1100	12000	< 0.7	7800	0.040	840	40	< 0.5	1400	0.37	2.1	62	83
AMQ-ENV-114	WT - Pit	Waste	I2S	304	30000	< 0.8	8.7	280	0.52	< 0.09	5.0	6200	0.060	15	67	19	55000	6.6	47	17000	630	< 0.05	1.5	25	1400	19000	< 0.7	9300	0.060	630	20	< 0.5	2100	0.79	2.5	62	87
AMQ-ENV15-002	WT - Pit	Waste	I2S	247	26000	< 0.8	49	130	0.47	0.11	3.0	7900	0.12	17	58	28	55000	26	26	16000	590	< 0.05	2.2	21	1200	11000	< 0.7	5400	0.080	590	22	< 0.5	1400	0.46	2.0	68	81
AMQ-ENV17-23	WT - Pit	Waste	I2S	286	25000	< 0.8	17	260	0.56	0.14	5.0	4500	0.080	17	88	18	48000	13	36	14000	500	< 0.05	2.3	20	1100	17000	< 0.7	1900	0.090	240	17	< 0.5	1900	0.54	2.9	70	81
AMQ-ENV17-30	WT - Pit	Waste	I2S	282	26000	< 0.8	19	250	0.43	0.13	4.0	7300	0.070	18	78	18	49000	14	28	13000	510	0.060	1.8	21	1100	18000	< 0.7	5000	0.070	330	23	< 0.5	2000	0.53	3.0	65	81
AMQ-ENV15-078	WT - Pit	Waste	I2S	224	28000	< 0.8	12	120	0.42	< 0.09	4.0	18000	0.11	16	83	27	58000	18	25	17000	670	< 0.05	2.9	20	1300	7300	< 0.7	7100	0.060	800	27	< 0.5	1400	0.26	2.4	69	91
AMQ-ENV17-22	WT - Pit	Waste	I2S	346	33000	< 0.8	20	250	0.45	< 0.09	3.0	13000	0.090	23	81	23	68000	7.8	31	19000	730	< 0.05	1.5	26	1600	16000	< 0.7	3500	0.070	250	22	< 0.5	2000	0.44	1.7	85	100
AMQ-ENV-65	WT - Pit	Waste	I2S	250	29000	< 0.8	25	210	0.39	0.13	3.0	16000	0.10	23	130	22	59000	9.0	26	19000	780	< 0.05	2.0	39	1600	9900	< 0.7	2200	0.070	460	28	< 0.5	1800	0.33	1.7	73	97
AMQ-ENV17-24	WT - Pit	Waste	I2S	280	23000	< 0.8	13	87	0.41	0.14	2.0	5000	0.11	17	74	14	51000	13	23	13000	530	< 0.05	1.5	20	1100	5400	< 0.7	3700	0.080	280	20	0.80	1200	0.18	2.7	65	73
AMQ-ENV17-16	WT - Pit	Waste	I2S	259	26000	< 0.8	19	98	0.30	0.12	2.0	16000	0.070	19	73	22	54000	9.9	22	17000	550	< 0.05	1.4	23	1200	6900	< 0.7	3800	0.080	220	26	0.60	1300	0.21	2.3	75	70
AMQ-ENV17-29	WT - Pit	Waste	I2S	271	27000	< 0.8	23	140	0.31	< 0.09	2.0	4000	0.17	21	75	7.1	53000	7.2	30	15000	500	< 0.05	2.0	27	1200	9600	< 0.7	2400	0.040	250	11	0.50	1400	0.37	3.5	67	71
AMQ-ENV17-26	WT - Pit	Waste	I2S	267	27000	< 0.8	12	120	0.32	< 0.09	3.0	22000	0.080	17	76	14	55000	6.1	22	15000	560	< 0.05	1.2	25	1100	10000	< 0.7	4100	0.030	250	38	< 0.5	1600	0.32	1.8	65	73
AMQ-RMP-08	UG	Waste	I2S	389	26000	< 0.8	10	91	0.26	< 0.09	1.0	15000	0.060	15	57	26	47000	11	34	20000	500	< 0.05	1.0	14	1700	6000	< 0.7	2100	0.070	260	16	< 0.5	1000	0.21	2.0	61	64
AMQ-RMP-07	UG	Waste	I2S	254	25000	< 0.8	11	283	0.39	< 0.09	2.0	7800	0.050	16	72	66	50000	6.5	35	15000	590	< 0.05	4.4	17	1100	17000	< 0.7	1600	0.060	280	15	0.70	1500	0.46	1.8	59	80
AMQ-RMP-01	UG	Waste	I2S	112	9600	< 0.8	1.7	78	0.40	< 0.09	4.0	6700	0.060	4.6	58	56	20000	14	11	4900	220	< 0.05	4.0	8.8	360	6500	< 0.7	3300	0.28	470	11	0.90	890	0.50	3.8	11	32
AMQ-RMP-09	UG	Waste	I2S	495	30000	< 0.8	8.0	148	0.16	< 0.09	1.0	16000	0.060	28	106	19	78000	2.6	35	19000	660	< 0.05	1.3	33	3600	6500	< 0.7	2700	0.060	210	28	< 0.5	1600	0.25	0.85	180	100
AMQ-RMP-10	UG	Waste	I2S	454	27000	< 0.8	16	59	0.32	< 0.09	2.0	12000	0.20	21	56	16	53000	25	37	19000	610	< 0.05	1.4	18	2400	6500	< 0.7	2700	0.070	320	16	< 0.5	1200	0.33	1.2	81	102
AMQ-RMP-02	UG	Waste	I2S	120	11000	< 0.8	1.3	87	0.44	< 0.09	3.0	3900	0.080	4.8	57	11	22000	13	13	5700	190	< 0.05	14	8.0	370	8000	< 0.7	5900	0.20	620	6.8	1.0	1100	0.58	4.4	11	33
AMQ-ENV15-114	UG	Waste	I2S	318	28000	< 0.8	13	240	0.54	< 0.09	3.0	11000	0.060	19	49	19	60000	2.5	38	17000	610	< 0.05	1.2	21	2100	11000	< 0.7	4500	0.030	710	24	< 0.5	1800	0.32	1.1	69	90
AMQ-RMP-03	UG	Waste	I2S	356	25000	< 0.8	4.9	81	0.43	< 0.09	2.0	12000	0.11	14	43	6.0	44000	8.4	26	17000	370	< 0.05	1.6	12	1700	8200	< 0.7	6800	0.060	680	19	< 0.5	1300	0.44	1.9	45	76
AMQ-RMP-04	UG	Waste	I2S	711	27000	< 0.8	16	140	0.14	< 0.09	2.0	20000	0.070	41	200	58	110000	3.0	25	21000	740	< 0.05	0.60	50	4900	8000	< 0.7	7600	0.15	290	27	< 0.5	2100	0.38	0.72	310	98
AMQ-RMP-05	UG	Waste	I2S	500	25000	< 0.8	21	100	0.10	0.10	1.0	19000	0.11	41	200	26	130000	3.3	23	21000	620	< 0.05	0.50	38	5200	5100	< 0.7	8800	0.090	320	36	< 0.5	2000	0.18	0.85	340	130
AMQ-RMP-06	UG	Waste	I2S	335	30000	< 0.8	20	310	0.48	< 0.09	3.0	13000	0.080	23	84	20	63000	4.9	33	18000	680	< 0.05	1.4	25	1700	14000	< 0.7	7900	0.070	770	22	< 0.5	2000	0.43	1.7	94	100
South Diorite (IS2) WT-Pit Waste			**Minimum**	224	23000	< 0.8	8.7	87	0.30	< 0.09	2.0	4000	0.060	15	55	7.1	48000	6.1	22	13000	500	< 0.05	1.2	19	1100	5400	< 0.7	1900	0.030	220	11	< 0.5	1200	0.18	1.7	62	70
			Maximum	346	34000	0.80	49	280	0.56	0.29	5.0	22000	0.41	23	130	28	71000	83	47	22000	780	0.060	2.9	39	1600	19000	0.70	9300	0.19	840	40	0.80	2100	0.79	3.5	85	120
			Median	268	27000	0.80	19	140	0.42	0.11	3.0	11000	0.090	17	75	18	55000	11	26	16000	580	0.050	1.8	23	1200	11000	0.70	4100	0.070	330	22	0.50	1600	0.37	2.3	68	81
			Average	270	27692	0.80	19	175	0.42	0.12	3.3	11762	0.12	18	77	18	56154	17	28	16231	594	0.051	1.8	24	1262	12085	0.70	4700	0.074	424	24	0.55	1631	0.41	2.4	69	85
			Standard Deviation	32	3119	-	10	68	0.079	0.054	1.0	6526	0.092	2.7	19	6.0	6706	20	6.9	2651	88	0.0028	0.47	5.3	185	4488	-	2239	0.039	221	7.9	0.11	304	0.16	0.54	6.2	14
			75th Percentile	282	29000	0.80	20	250	0.47	0.13	4.0	16000	0.11	19	81	22	58000	14	30	17000	630	0.050	2.0	25	1400	16000	0.70	5400	0.080	590	27	0.50	1900	0.53	2.7	70	91
South Diorite (IS2) UG Waste			**Minimum**	112	9600	< 0.8	1.3	59	0.10	< 0.09	1.0	3900	0.050	4.6	43	6.0	20000	2.5	11	4900	190	< 0.05	0.50	8.0	360	5100	< 0.7	1600	0.030	210	6.8	< 0.5	890	0.18	0.72	11	32
			Maximum	711	30000	0.80	21	310	0.54	0.10	4.0	20000	0.20	41	200	66	130000	25	38	21000	740	0.050	14	50	5200	17000	0.70	8800	0.28	770	36	1.0	2100	0.58	4.4	340	130
			Median	356	26000	0.80	11	100	0.39	0.090	2.0	12000	0.070	19	58	20	53000	6.5	33	18000	610	0.050	1.4	18	1700	8000	0.70	4500	0.070	320

Appendix F-5
Trace Element Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (Price, 1997)[3]				-	82300	0.20	1.8	425	3.0	0.0085	10	41500	0.15	25	102	60	56300	14	20	23300	950	0.085	1.2	84	1050	20850	0.050	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
Sample Identification[1]	Deposit Location[2]	MATERIAL	Rock Type (MODEL)	Fluoride	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
				µg/g																																	
AMQ-ENV-28	WT - Pit	Ore	S3C	164	20000	< 0.8	90	76	0.47	0.16	6.0	2300	0.080	9.9	25	21	46000	9.0	19	10000	760	< 0.05	2.6	22	640	7800	< 0.7	9200	0.18	560	8.6	< 0.5	890	0.66	2.8	29	54
AMQ-ENV-29	WT - Pit	Ore	S3C	116	8700	1.3	97	28	0.48	0.18	3.0	6300	0.030	4.1	7.1	7.5	65000	5.1	6.0	5000	1200	< 0.05	1.1	28	360	4900	< 0.7	14000	0.36	170	8.7	< 0.5	270	0.18	0.38	9.0	17
AMQ-ENV-36	WT - Pit	Ore	S3C	201	12000	0.90	810	76	0.48	0.37	16	6900	0.21	7.5	13	30	48000	11	15	5800	620	< 0.05	1.2	18	540	6000	0.70	10000	0.50	470	14	< 0.5	390	0.34	4.2	9.0	62
AMQ-ENV15-108	WT - Pit	Ore	S3C	186	17000	< 0.8	24	120	0.29	0.27	5.0	4100	0.14	15	57	32	28000	12	14	8000	320	< 0.05	4.2	29	530	10000	< 0.7	11000	0.12	1200	16	< 0.5	940	0.58	2.7	23	78
AMQ-ENV15-140	WT - Pit	Ore	S3C	223	20000	< 0.8	76	130	0.45	< 0.09	4.0	13000	0.21	13	94	27	32000	20	24	15000	520	< 0.05	1.6	37	740	15000	< 0.7	2800	0.19	420	26	< 0.5	1200	0.47	3.4	36	63
AMQ-ENV-42	WT - Pit	Ore	S3C	202	17000	< 0.8	42	87	0.22	0.25	3.0	7300	0.16	13	27	33	31000	13	15	8300	430	< 0.05	2.1	25	540	7500	< 0.7	8700	0.14	680	33	< 0.5	820	0.53	2.6	29	63
AMQ-ENV15-112	UG	Ore	S3C	351	15000	1.0	46	52	0.25	0.42	3.0	3300	0.18	6.6	91	20	48000	9.0	11	9200	510	< 0.05	7.7	16	450	12000	< 0.7	10000	0.27	900	10	< 0.5	690	0.69	0.72	13	78
AMQ-ENV-13	WT - Pit	Waste	S3C	199	18000	< 0.8	29	89	0.39	0.15	7.0	3500	0.10	13	27	17	37000	10	23	10000	550	< 0.05	2.6	27	700	7800	< 0.7	7600	0.12	410	16	< 0.5	740	0.40	2.5	27	56
AMQ-ENV-109	WT - Pit	Waste	S3C	167	16000	< 0.8	22	77	0.20	0.29	14	3000	0.10	13	25	32	26000	14	21	8900	460	< 0.05	2.5	30	640	4200	< 0.7	7700	0.17	540	14	< 0.5	510	0.29	2.2	19	65
AMQ-ENV-18	WT - Pit	Waste	S3C	196	18000	< 0.8	33	96	0.38	0.20	3.0	4700	0.10	13	34	32	33000	12	16	9300	480	< 0.05	2.6	32	640	8800	< 0.7	9900	0.14	540	16	< 0.5	930	0.53	2.3	27	66
AMQ-ENV-14	WT - Pit	Waste	S3C	198	19000	< 0.8	22	110	0.30	0.19	6.0	3000	0.070	13	31	29	34000	13	22	9800	480	< 0.05	2.4	29	610	8000	< 0.7	10000	0.15	600	16	< 0.5	860	0.50	2.3	32	61
AMQ-ENV15-056	WT - Pit	Waste	S3C	189	18000	< 0.8	41	100	0.29	0.32	6.0	4900	0.090	13	43	30	32000	15	17	9200	490	< 0.05	2.8	34	710	5800	< 0.7	6300	0.21	570	13	< 0.5	600	0.33	2.7	19	63
AMQ-ENV-03	WT - Pit	Waste	S3C	211	17000	< 0.8	14	78	0.32	< 0.09	4.0	3100	0.060	11	32	21	34000	5.0	17	8900	510	< 0.05	1.6	26	760	5500	< 0.7	9200	0.10	520	12	< 0.5	650	0.43	2.3	27	55
AMQ-ENV-19	WT - Pit	Waste	S3C	200	19000	< 0.8	26	90	0.31	0.24	16	5100	0.71	14	33	32	32000	15	25	11000	470	< 0.05	2.5	33	650	6800	< 0.7	12000	0.16	710	18	< 0.5	710	0.36	2.3	27	80
AMQ-ENV-41	WT - Pit	Waste	S3C	209	21000	< 0.8	25	140	0.34	0.75	8.0	4900	0.14	10	27	22	31000	38	26	11000	500	< 0.05	2.6	25	620	14000	< 0.7	11000	0.39	560	18	< 0.5	1200	0.77	3.3	28	57
AMQ-ENV15-075	WT - Pit	Waste	S3C	206	11000	< 0.8	100	65	0.44	0.51	7.0	7200	0.18	7.9	7.3	18	32000	5.4	12	5800	520	< 0.05	3.2	13	760	5700	< 0.7	6200	0.34	710	18	< 0.5	460	0.28	1.7	10	57
AMQ-ENV15-098	WT - Pit	Waste	S3C	165	20000	< 0.8	38	110	0.41	0.21	7.0	3600	0.090	12	69	35	38000	8.1	18	10000	480	< 0.05	4.4	33	670	11000	< 0.7	7400	0.11	830	21	< 0.5	880	0.65	2.7	28	69
AMQ-ENV-37	WT - Pit	Waste	S3C	167	16000	< 0.8	33	77	0.32	0.26	6.0	8800	0.10	11	22	15	28000	17	14	8800	510	< 0.05	2.3	24	590	5400	< 0.7	10000	0.20	610	24	< 0.5	530	0.33	3.2	22	53
AMQ-ENV15-106	WT - Pit	Waste	S3C	198	15000	< 0.8	3.0	110	0.36	0.16	3.0	5600	0.080	8.4	74	20	27000	11	11	7000	420	< 0.05	4.3	20	650	8900	< 0.7	7100	0.080	700	39	< 0.5	810	0.77	2.5	17	59
AMQ-ENV15-064	WT - Pit	Waste	S3C	153	21000	< 0.8	37	89	0.32	0.22	7.0	3100	0.090	14	57	35	38000	7.1	22	12000	550	< 0.05	2.7	38	670	6700	< 0.7	8400	0.14	1000	16	< 0.5	750	0.34	2.3	32	72
AMQ-ENV15-107	WT - Pit	Waste	S3C	187	20000	< 0.8	20	100	0.26	0.18	3.0	5200	0.060	12	53	25	34000	7.5	16	10000	460	< 0.05	2.9	29	590	10000	< 0.7	10000	0.080	1000	19	< 0.5	920	0.69	3.0	29	68
AMQ-ENV15-065	WT - Pit	Waste	S3C	176	19000	< 0.8	29	95	0.31	0.57	7.0	4200	0.14	12	70	44	32000	22	19	9800	450	< 0.05	4.6	34	630	9100	< 0.7	9200	0.28	1100	18	< 0.5	880	0.46	2.7	29	63
AMQ-ENV15-066	WT - Pit	Waste	S3C	171	22000	< 0.8	27	110	0.38	0.22	8.0	4200	0.12	15	64	53	39000	10	21	11000	510	< 0.05	3.2	41	670	9500	< 0.7	10000	0.14	830	18	< 0.5	860	0.49	2.5	26	74
AMQ-ENV-46	WT - Pit	Waste	S3C	198	14000	< 0.8	65	120	0.43	0.15	3.0	5600	0.25	11	35	20	22000	12	16	7600	400	< 0.05	2.4	26	430	7200	< 0.7	8200	0.15	670	15	< 0.5	910	0.41	3.3	23	70
AMQ-ENV15-074	WT - Pit	Waste	S3C	180	18000	< 0.8	27	66	0.25	0.37	3.0	5900	0.11	13	24	34	34000	18	11	9400	450	< 0.05	2.8	29	660	6400	< 0.7	7600	0.16	730	20	< 0.5	600	0.45	2.8	25	72
AMQ-ENV-11	WT - Pit	Waste	S3C	199	16000	< 0.8	32	120	0.43	0.38	6.0	7500	0.22	11	30	24	28000	29	17	8000	430	< 0.05	2.8	28	640	11000	< 0.7	10000	0.31	580	25	< 0.5	970	0.66	2.6	26	60
AMQ-ENV-20	WT - Pit	Waste	S3C	227	21000	< 0.8	33	120	0.18	0.14	4.0	6200	0.11	14	38	32	33000	9.2	18	11000	570	< 0.05	2.4	32	670	12000	< 0.7	11000	0.11	820	22	< 0.5	1100	0.63	2.0	38	75
AMQ-ENV15-097	WT - Pit	Waste	S3C	141	14000	< 0.8	53	100	0.45	0.40	6.0	6400	0.43	7.3	95	25	26000	19	13	7500	410	< 0.05	5.9	21	440	10000	< 0.7	7600	0.21	750	20	< 0.5	760	0.51	2.7	15	63
AMQ-ENV15-042	WT - Pit	Waste	S3C	155	20000	< 0.8	18	110	0.34	0.27	3.0	5800	0.080	14	85	22	33000	14	16	11000	470	< 0.05	3.9	34	580	6400	< 0.7	10000	0.15	1000	31	< 0.5	740	0.33	2.8	28	76
AMQ-ENV-12	WT - Pit	Waste	S3C	200	16000	< 0.8	14	86	0.22	0.24	3.0	6100	0.090	11	28	21	26000	12	11	9100	450	< 0.05	2.4	26	650	5400	< 0.7	8500	0.14	630	28	< 0.5	570	0.40	2.8	20	60
AMQ-ENV15-142	WT - Pit	Waste	S3C	2630	15000	< 0.8	11	65	0.40	< 0.09	4.0	16000	0.22	8.8	49	20	34000	15	12	8500	630	< 0.05	1.3	19	970	6600	< 0.7	3600	0.13	400	43	< 0.5	570	0.44	4.0	19	51
AMQ-ENV15-143	WT - Pit	Waste	S3C	201	20000	0.80	16	78	0.27	1.6	3.0	12000	0.070	12	49	22	40000	110	13	9700	460	< 0.05	2.0	26	840	8400	0.80	4900	0.84	610	29	< 0.5	670	0.48	3.1	24	50
AMQ-ENV15-112	UG	Ore	S3C	351	15000	1.0	46	52	0.25	0.42	3.0	3300	0.18	6.6	91	20	48000	9.0	11	9200	510	< 0.05	7.7	16	450	12000	< 0.7	10000	0.27	900	10	< 0.5	690	0.69	0.72	13	78
AMQ-ENV15-085	UG	Ore	S3C	150	7900	< 0.8	550	32	0.30	< 0.09	2.0	4200	0.95	4.1	13	20	47000	4.1	5.0	6300	450	< 0.05	2.5	13	74	4500	0.80	6500	2.1	100	7.5	< 0.5	270	0.24	0.50	12	90
AMQ-ENV15-060	UG	Waste	S3C	216	18000	< 0.8	84	99	0.25	0.29	2.0	4400	0.10	12	28	32	33000	13	11	9800	440	< 0.05	2.5	28	640	15000	< 0.7	5100	0.16	580	20	< 0.5	990	0.81	2.3	27	72
AMQ-ENV15-120	UG	Waste	S3C	185	17000	< 0.8	130	120	0.68	0.14	5.0	5500	0.14	12	27	23	31000	11	14	9100	510	< 0.05	2.5	30	450	12000	< 0.7	6900	0.45	480	18	< 0.5	770	0.50	2.8	22	54
Central Greywacke WT-Pit Ore	(S3C)		Minimum	116	8700	< 0.8	24	28	0.22	< 0.09	3.0	2300	0.030	4.1	7.1	7.5	28000	5.1	6.0	5000	320	< 0.05	1.1	18	360	4900	< 0.7	2800	0.12	170	8.6	< 0.5	270	0.18	0.38	9.0	17
			Maximum	351	20000	1.3	810	130	0.48	0.42	16	13000	0.21	15	94	33	65000	20	24	15000	1200	0.050	7.7	37	740	15000	0.70	14000	0.50	1200	33	0.50	1200	0.69	4.2	36	78
			Median	201	17000	0.80	76	76	0.45	0.25	4.0	6300	0.16	9.9	27	27	46000	11	15	8300	520	0.050	2.1	25	540	7800	0.70	10000	0.19	560	14	0.50	820	0.53	2.7	23	63
			Average	206	15671	0.91	169	81	0.38	0.25	5.7	6171	0.14	9.9	45	24	42571	11	15	8757	623	0.050	2.9	25	543	9029	0.70	9386	0.25	629	17	0.50	743	0.49	2.4	21	59
			Standard Deviation	73	4154	0.19	284	36	0.12	0.12	4.7	3558	0.068	4.0	36	9.0	13113	4.6	5.7	3275	290	7.5E-18	2.4	7.2	123	3547	1.2E-16	3380	0.14	338	9.4	-	323	0.18	1.4	11	21
			75th Percentile	213	18500	0.95	94	104	0.48	0.32	5.5	7100	0.20	13	74	31	48000	13	17	9600	690	0.050	3.4	29	590	11000	0.70	10500	0.32	790	21	0.50	915	0.62	3.1	29	71
Central Greywacke WT-Pit Waste	(S3C)		Minimum	141	11000	< 0.8	3.0	52	0.18	< 0.09	3.0	3000	0.060	6.6	7.3	15	22000	5.0	11	5800	400	< 0.05	1.3	13	430	4200	< 0.7	3600	0.080	400	10	< 0.5	460	0.28	0.72	10	50
			Maximum	2630	22000	0.80	100	140	0.45	1.6	16	16000	0.71	15	95	53	40000	110	26	12000	630	0.050	5.9	41	970	14000	0.80	12000	0.84	1100	43	0.50	1200	0.77	4.0	38	80
			Median	198	18000	0.80	27	96	0.32	0.24	6.0	5200	0.10	12	35	25	33000	13	17	9400	480	0.050	2.6	29	650	7800	0.70	8500	0.15	670	18	0.50	750	0.45	2.7	26	63
			Average	285	17760	0.80	31	96	0.33	0.33	5.9	5824	0.15	12	44	27	32120	18	17	9372	484	0.050	2.9	28	658	8024	0.70	8536	0.20	697	21	0.50	767	0.48	2.7	25	64
			Standard Deviation	489	2712	2.3E-16	20	19	0.076	0.31	3.3	2931	0.14	2.0	22	8.9	4558	21	4.4	1449	53	1.4E-17	1.0	6.2	107	2400	0.020	1985	0.15	185	7.7	-	186	0.14	0.48	6.0	8.2
			75th Percentile	200	20000	0.80	33	110	0.39	0.37	7.0	6200	0.14	13	57	32	34000	17	21	10000	510	0.050	3.2	33	670	9500	0.70	10000	0.21	820	24	0.50	880	0.53	2.8	28	70
Central Greywacke UG Ore	(S3C)		Minimum	150	7900	< 0.8	46	32	0.25	< 0.09	2.0	3300	0.18	4.1	13	20	47000	4.1	5.0	6300	450	< 0.05	2.5	13	74	4500	< 0.7	6500	0.27	100	7.5	< 0.5	270	0.24	0.50	12	78
			Maximum	351	15000	1.0	550	52	0.30	0.42	3.0	4200	0.95	6.6	91	20	48000	9.0	11	9200	510	0.050	7.7	16	450	12000	0.80	10000	2.1	900	10	0.50	690	0.69	0.72	13	90
			Median	251	11450	0.90	298	42	0.28	0.26	2.5	3750	0.57	5.4	52	20	47500	6.6	8.0	7750	480	0.050	5.1	15	262	8250	0.75	8250	1.2	500	8.8	0.50	480	0.47	0.61	13	84
			Average	251	11450	0.90	298	42	0.28	0.26	2.5	3750	0.57	5.4	52	20	47500	6.6	8.0	7750	480	0.050	5.1	15	262	8250	0.75	8250	1.2	500	8.8	0.50	480	0.47	0.61	13	84
			Standard Deviation	142	5020	0.14	356	14	0.035	0.23	0.71	636	0.54	1.8	55	-	707	3.5	4.2	2051	42	-	3.7	2.1	266	5303	0.071	2475	1.3	566	1.8	-	297	0.32	0.16	0.71	8.5
			75th Percentile	301	13225	0.95	424	47	0.29	0.34	2.8	3975	0.76	6.0	72	20	47750	7.8	9.5	8475	495	0.050	6.4	15	356	10125	0.78	9125	1.6	700	9.4	0.50	585	0.58	0.67	13	87
Central Greywacke UG Waste	(S3C)		Minimum	185	17000	< 0.8	84	99	0.25	0.14	2.0	4400	0.10	12	27	23	31000	11	11	9100	440	< 0.05	2.5	28	450	12000	< 0.7	5100	0.16	480	18	< 0.5	770	0.50	2.3	22	54
			Maximum	216	18000	0.80	130	120	0.68	0.29	5.0	5500	0.14	12	28	32	33000	13	14	9800	510	0.050	2.5	30	640	15000	0.70	6900	0.45	580	20	0.50	990	0.81	2.8	27	72
			Median	201	17500	0.80	107	110	0.47	0.22	3.5	4950	0.12	12	28	28	32000	12	13	9450	475	0.050	2.5	29	545	13500	0.70	6000	0.31	530	19	0.50	880	0.66	2.6	25	63
			Average	201	17500	0.80	107	110	0.47	0.22	3.5	4950	0.12	12	28	28	32000	12	13	9450	475	0.050	2.5	29	545	13500	0.70	6000	0.31	530	19	0.50	880	0.66	2.6	25	63
			Standard Deviation	22	707	-	33	15	0.30	0.11	2.1	778	0.028	-	0.71	6.4	1414	1.4	2.1	495	49	-	-	1.4	134	2121	-	1273	0.21	71	1.4	-	156	0.22	0.35	3.5	13
			75th Percentile	208	17750	0.80	119	115	0.57	0.25	4.3	5225	0.13	12	28	30	32500	13	13	9625	493	0.050	2.5	30	593	14250	0.70	6450	0.38	555	20	0.50	935	0.73	2.7	26	68

Appendix F-5
Trace Element Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (Price, 1997)[3]				-	82300	0.20	1.8	425	3.0	0.0085	10	41500	0.15	25	102	60	56300	14	20	23300	950	0.085	1.2	84	1050	20850	0.050	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
Sample Identification[1]	**Deposit Location[2]**	**MATERIAL**	**Rock Type (MODEL)**	**Fluoride**	**Aluminum**	**Antimony**	**Arsenic**	**Barium**	**Beryllium**	**Bismuth**	**Boron**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**	**Iron**	**Lead**	**Lithium**	**Magnesium**	**Manganese**	**Mercury**	**Molybdenum**	**Nickel**	**Phosphorus**	**Potassium**	**Selenium**	**Silicon**	**Silver**	**Sodium**	**Strontium**	**Tin**	**Titanium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**
				µg/g																																
AMQ-ENV16-32	IVR	Waste	S3N	-	20000	< 0.8	56	68	0.28	0.48	2.0	11000	0.14	19	80	38	39000	21	18	12000	540	-	1.6	63	480	13000	< 0.7	3900	0.35	110	32	< 0.5	1400	0.52	2.6	35	57
AMQ-ENV16-47	WT - Pit	Waste	S3N	-	17000	< 0.8	68	98	0.21	0.26	3.0	9700	0.12	11	24	23	28000	21	10	9000	450	-	1.8	24	610	12000	< 0.7	4900	0.26	300	25	< 0.5	950	0.59	2.0	22	50
AMQ-ENV16-51	WT - Pit	Waste	S3N	-	19000	< 0.8	79	58	0.19	0.23	3.0	10000	0.13	15	41	22	33000	14	13	11000	480	-	1.5	36	670	9100	< 0.7	4500	0.24	170	21	< 0.5	870	0.63	2.4	26	66
AMQ-ENV17-01	WT - Pit	Waste	S3N	254	17000	< 0.8	28	100	0.23	0.41	3.0	5600	0.12	9.0	32	24	31000	26	12	8700	380	< 0.05	2.2	20	530	13000	< 0.7	7800	0.26	610	17	< 0.5	990	0.79	3.5	23	61
AMQ-ENV16-05	WT - Pit	Waste	S3N	279	23000	< 0.8	12	360	0.93	0.15	1.0	33000	0.10	19	390	50	34000	16	21	30000	580	< 0.05	0.30	120	950	17000	< 0.7	7200	0.12	360	160	0.70	1500	0.38	0.84	71	45
AMQ-ENV16-49	WT - Pit	Waste	S3N	-	15000	< 0.8	42	100	0.35	0.21	8.0	7600	0.18	6.8	16	17	25000	18	16	8300	380	-	1.7	15	440	7100	< 0.7	4700	0.19	220	18	< 0.5	570	0.42	3.3	14	44
AMQ-ENV17-09	WT - Pit	Waste	S3N	222	23000	< 0.8	160	53	0.35	< 0.09	2.0	5100	0.060	20	38	50	52000	6.2	13	13000	410	< 0.05	2.3	54	680	12000	< 0.7	9000	0.36	140	15	< 0.5	790	0.63	1.8	24	66
AMQ-ENV16-44	WT - Pit	Waste	S3N	-	19000	< 0.8	71	150	0.28	0.23	3.0	3200	0.10	14	31	28	31000	14	14	10000	380	-	3.8	31	600	15000	< 0.7	3400	0.23	280	14	< 0.5	1500	0.79	2.9	34	68
AMQ-ENV17-02	WT - Pit	Waste	S3N	247	19000	< 0.8	110	83	0.26	1.0	2.0	9100	0.17	18	44	31	45000	42	10	9100	530	< 0.05	1.7	33	660	9000	< 0.7	7200	0.48	600	23	< 0.5	830	0.74	2.6	28	72
AMQ-ENV16-48	WT - Pit	Waste	S3N	-	18000	< 0.8	14	92	0.36	0.92	5.0	12000	0.26	12	30	31	35000	34	15	11000	390	-	2.1	29	600	7200	< 0.7	5500	0.46	250	29	< 0.5	730	0.30	2.8	29	59
AMQ-ENV16-46	WT - Pit	Waste	S3N	-	18000	< 0.8	74	78	0.26	0.13	3.0	13000	0.12	13	28	29	31000	14	11	9600	480	-	1.5	32	690	10000	< 0.7	3900	0.21	230	32	< 0.5	910	0.72	2.6	25	59
AMQ-ENV17-10	WT - Pit	Waste	S3N	199	15000	< 0.8	110	49	0.20	0.52	< 1	13000	0.13	12	30	37	33000	28	8.0	8100	400	< 0.05	1.6	27	600	7300	< 0.7	7700	0.39	600	35	< 0.5	540	0.45	2.4	17	54
AMQ-ENV16-43	WT - Pit	Waste	S3N	-	24000	< 0.8	56	88	0.41	0.23	3.0	8400	0.10	14	41	30	52000	15	17	12000	560	-	2.4	31	630	7900	< 0.7	6400	0.20	290	18	< 0.5	1200	0.38	2.6	47	64
AMQ-ENV17-03	WT - Pit	Waste	S3N	223	16000	< 0.8	21	45	0.23	< 0.09	1.0	11000	0.11	11	27	20	33000	7.7	6.0	8800	400	< 0.05	1.7	24	700	6400	< 0.7	11000	0.11	600	24	< 0.5	450	0.52	2.7	15	64
AMQ-ENV17-04	WT - Pit	Waste	S3N	271	17000	< 0.8	160	85	0.18	< 0.09	< 1	7900	0.10	14	35	32	32000	8.1	7.0	9300	380	< 0.05	1.4	28	850	12000	< 0.7	7300	0.090	840	25	< 0.5	920	0.80	2.4	29	74
AMQ-ENV16-45	WT - Pit	Waste	S3N	-	26000	< 0.8	120	98	0.32	0.16	3.0	9100	0.15	13	37	28	50000	16	14	13000	570	-	2.3	35	760	12000	< 0.7	6300	0.24	230	17	< 0.5	1100	0.69	2.8	33	66
AMQ-ENV17-11	WT - Pit	Waste	S3N	214	17000	< 0.8	52	48	0.21	< 0.09	1.0	13000	0.13	16	34	29	33000	17	9.0	9400	420	< 0.05	1.5	39	690	7600	< 0.7	8300	0.16	530	28	< 0.5	680	0.42	2.3	21	64
AMQ-ENV17-05	WT - Pit	Waste	S3N	181	14000	< 0.8	52	61	0.17	< 0.09	2.0	8400	0.11	11	35	23	27000	9.7	8.0	8000	420	< 0.05	1.4	22	620	6300	< 0.7	8800	0.11	920	24	0.60	630	0.39	2.4	25	61
AMQ-ENV17-06	WT - Pit	Waste	S3N	241	15000	< 0.8	51	44	0.23	0.22	2.0	8400	0.14	12	35	25	30000	21	9.0	8600	440	< 0.05	1.9	27	700	4600	< 0.7	8000	0.25	650	31	0.50	550	0.34	2.8	27	68
AMQ-ENV17-12	WT - Pit	Waste	S3N	232	23000	< 0.8	74	55	0.24	0.25	< 1	12000	0.14	14	43	37	43000	21	10	12000	520	< 0.05	1.8	38	730	12000	< 0.7	10000	0.32	750	21	< 0.5	1000	0.61	2.4	30	73
AMQ-ENV17-07	WT - Pit	Waste	S3N	259	20000	< 0.8	48	86	0.14	0.23	2.0	6200	0.12	16	38	31	34000	18	9.0	10000	470	< 0.05	2.3	33	760	14000	< 0.7	11000	0.24	1100	27	< 0.5	1100	0.92	2.7	29	77
AMQ-ENV17-08	WT - Pit	Waste	S3N	287	22000	< 0.8	48	80	0.15	0.10	1.0	5200	0.10	15	39	34	41000	13	9.0	12000	500	< 0.05	2.0	33	710	14000	< 0.7	9500	0.19	880	23	< 0.5	1000	0.99	2.9	32	79
AMQ-ENV17-13	WT - Pit	Waste	S3N	213	20000	< 0.8	100	75	0.17	< 0.09	< 1	7300	0.35	13	36	38	43000	9.8	9.0	10000	460	< 0.05	1.5	28	630	13000	< 0.7	7600	0.25	660	17	< 0.5	1100	0.64	2.4	28	73
AMQ-ENV18-01	WT - Pit	Waste	S3N	-	9000	< 0.8	21	45	0.13	0.34	2.4	3400	0.070	8.3	25	61	18000	11	5.0	6000	280	-	1.7	18	350	5200	< 0.7	1900	0.14	240	18	< 0.5	560	0.56	3.5	15	56
AMQ-ENV18-02	WT - Pit	Waste	S3N	-	10000	< 0.8	20	65	0.12	0.19	2.7	3300	0.070	9.4	33	37	20000	9.6	5.0	6500	300	-	2.1	21	390	6800	< 0.7	3900	0.10	380	25	< 0.5	700	0.67	3.3	16	60
AMQ-ENV18-03	WT - Pit	Waste	S3N	-	11000	< 0.8	49	67	0.14	0.46	2.3	5400	0.11	15	36	70	24000	26	5.0	7100	360	-	2.2	30	450	7100	< 0.7	3800	0.31	430	25	< 0.5	660	0.66	3.6	15	68
AMQ-ENV18-04	WT - Pit	Waste	S3N	-	9800	< 0.8	36	43	0.21	0.35	2.8	11000	0.090	8.0	29	11	18000	16	6.0	6400	410	-	2.2	17	540	5100	< 0.7	3100	0.20	260	31	< 0.5	570	0.57	4.2	10	44
AMQ-ENV18-05	WT - Pit	Waste	S3N	-	11000	< 0.8	170	46	0.20	0.82	3.0	7000	0.13	16	42	45	28000	25	6.0	7100	380	-	2.5	36	450	5400	< 0.7	3500	0.38	250	25	< 0.5	560	0.61	3.0	17	62
AMQ-ENV18-06	WT - Pit	Waste	S3N	-	15000	< 0.8	100	54	0.18	0.51	2.0	4000	0.11	22	44	45	39000	14	6.0	8800	480	-	3.2	54	490	6400	< 0.7	3700	0.29	360	29	< 0.5	740	0.83	2.3	24	90
AMQ-ENV18-07	WT - Pit	Waste	S3N	-	12000	< 0.8	52	40	0.12	0.38	2.2	4300	0.070	16	28	37	32000	14	6.0	8100	420	-	2.0	37	540	5200	< 0.7	2200	0.24	220	21	< 0.5	600	0.57	2.3	25	67
AMQ-ENV18-08	WT - Pit	Waste	S3N	-	20000	< 0.8	34	130	0.19	0.20	3.4	2600	0.060	15	55	39	44000	10	12	9800	530	-	2.2	35	550	13000	< 0.7	5800	0.10	670	26	< 0.5	1500	0.91	2.7	45	78
AMQ-ENV18-09	WT - Pit	Waste	S3N	-	20000	< 0.8	41	91	0.25	0.27	3.4	5700	0.050	17	47	34	48000	11	13	11000	500	-	2.1	38	580	8400	< 0.7	6200	0.14	470	19	< 0.5	1300	0.66	2.7	44	84
AMQ-ENV18-10	WT - Pit	Waste	S3N	-	19000	< 0.8	32	120	0.27	0.68	4.0	8500	0.11	13	43	16	43000	24	14	9800	500	-	2.5	30	570	11000	< 0.7	5800	0.24	500	24	< 0.5	1600	0.83	2.3	42	72
AMQ-ENV18-11	WT - Pit	Waste	S3N	-	25000	< 0.8	46	170	0.27	0.52	3.7	6500	0.10	18	54	44	70000	18	17	12000	760	-	2.0	37	610	14000	< 0.7	5000	0.23	480	25	< 0.5	1900	0.99	1.9	51	81
AMQ-ENV18-12	WT - Pit	Waste	S3N	-	23000	< 0.8	46	160	0.25	0.32	5.0	7400	0.070	15	53	27	55000	16	15	11000	610	-	1.9	35	670	15000	< 0.7	6800	0.16	560	34	< 0.5	1800	0.94	2.1	43	77
AMQ-ENV18-13	WT - Pit	Waste	S3N	-	21000	< 0.8	43	110	0.24	0.38	3.0	7800	0.060	16	59	30	50000	14	13	11000	570	-	2.0	37	610	9800	< 0.7	7200	0.16	640	29	< 0.5	1400	0.73	2.1	54	74
AMQ-ENV18-14	WT - Pit	Waste	S3N	-	25000	< 0.8	62	160	0.26	0.26	3.1	6500	0.10	16	57	45	64000	12	16	12000	700	-	1.8	39	710	14000	< 0.7	6900	0.14	400	34	< 0.5	1900	0.91	2.0	55	87
AMQ-ENV18-15	WT - Pit	Waste	S3N	-	17000	< 0.8	31	100	0.31	0.33	4.1	5600	0.070	8.7	34	22	41000	17	12	9400	470	-	5.4	19	460	10000	< 0.7	5300	0.17	330	41	< 0.5	1200	0.67	3.0	26	70
AMQ-ENV18-16	WT - Pit	Waste	S3N	-	15000	< 0.8	46	81	0.23	0.33	3.9	7300	0.070	8.8	30	32	34000	16	9.0	8100	490	-	2.9	18	390	8200	< 0.7	5700	0.15	400	46	< 0.5	910	0.61	3.3	18	60
AMQ-ENV18-17	WT - Pit	Waste	S3N	-	18000	< 0.8	30	130	0.22	0.30	3.1	4500	0.060	12	38	31	42000	11	11	9400	530	-	3.8	24	530	13000	< 0.7	4700	0.15	430	33	< 0.5	1500	0.84	2.9	29	68
AMQ-ENV18-18	WT - Pit	Waste	S3N	-	20000	< 0.8	54	130	0.19	0.38	3.5	4400	0.080	17	53	31	48000	16	11	11000	600	-	2.1	40	580	12000	< 0.7	5800	0.22	370	31	< 0.5	1500	0.74	2.5	45	79
AMQ-ENV17-57	UG	Waste	S3N	278	35000	< 0.8	4.3	700	0.59	< 0.09	< 1	35000	0.11	33	780	65	54000	4.5	21	46000	870	< 0.05	0.30	200	1200	21000	< 0.7	3300	0.19	160	270	0.60	2300	0.35	0.36	120	54
AMQ-ENV15-063	UG	Waste	S3N	227	25000	< 0.8	59	150	0.14	0.16	2.0	5800	0.060	13	38	29	45000	7.5	17	13000	470	< 0.05	2.2	35	730	20000	< 0.7	5800	0.14	550	28	< 0.5	1500	0.87	2.2	33	67
			Minimum	-	9000	< 0.8	12	40	0.12	< 0.09	< 1	2600	0.050	6.8	16	11	18000	6.2	5.0	6000	280	< 0.05	0.30	15	350	4600	< 0.7	1900	0.090	140	14	< 0.5	450	0.30	0.84	10	44
			Maximum	287	26000	0.80	170	360	0.93	1.0	8.0	33000	0.35	22	390	70	70000	42	21	30000	760	0.050	5.4	120	950	17000	0.70	11000	0.48	1100	160	0.70	1900	0.99	4.2	71	90
Greywacke North			**Median**	237	18000	0.80	50	84	0.23	0.26	3.0	7350	0.11	14	37	31	34000	16	11	9500	470	0.050	2.0	32	610	9900	0.70	6000	0.22	415	25	0.50	935	0.66	2.6	28	68
WT-Pit Waste	**(S3N)**		**Average**	237	17945	0.80	62	93	0.25	0.32	2.7	8085	0.11	14	47	33	37850	17	11	10135	472	0.050	2.1	33	607	9953	0.70	6183	0.22	465	29	0.51	1020	0.66	2.6	30	67
			Standard Deviation	31	4423	3.4E-16	40	56	0.13	0.22	1.4	4962	0.055	3.5	57	11.7	11672	7.3	3.9	3684	99	-	0.82	17	125	3374	4.5E-16	2264	0.10	227	22	0.035	410	0.19	0.59	13	11.0
			75th Percentile	258	20250	0.80	74	103	0.26	0.38	3.2	9250	0.13	16	43	37	44250	19	13	11000	530	0.050	2.3	37	690	13000	0.70	7625	0.25	603	31	0.50	1325	0.79	2.9	36	74
			Minimum	227	25000	< 0.8	4.3	150	0.14	< 0.09	< 1	5800	0.060	13	38	29	45000	4.5	17	13000	470	< 0.05	0.30	35	730	20000	< 0.7	3300	0.14	160	28	< 0.5	1500	0.35	0.36	33	54
			Maximum	278	35000	0.80	59	700	0.59	0.16	2.0	35000	0.11	33	780	65	54000	7.5	21	46000	870	0.050	2.2	200	1200	21000	0.70	5800	0.19	550	270	0.60	2300	0.87	2.2	120	67
Greywacke North			**Median**	253	30000	0.80	32	425	0.37	0.13	1.5	20400	0.085	23	409	47	49500	6.0	19	29500	670	0.050	1.3	118	965	20500	0.70	4550	0.17	355	149	0.55	1900	0.61	1.3	77	61
UG Waste	**(S3N)**		**Average**	253	30000	0.80	32	425	0.37	0.13	1.5	20400	0.085	23	409	47	49500	6.0	19	29500	670	0.050	1.3	118	965	20500	0.70	4550	0.17	355	149	0.55	1900	0.61	1.3	77	61
			Standard Deviation	36	7071	-	39	389	0.32	0.049	0.71	20648	0.035	14	525	25	6364	2.1	2.8	23335	283	-	1.3	117	332	707	-	1768	0.035	276	171	0.071	566	0.37	1.3	62	9.2
			75th Percentile	265	32500	0.80	45	563	0.48	0.14	1.8	27700	0.098	28	595	56	51750	6.8	20	37750	770	0.050	1.7	159	1083	20750	0.70	5175	0.18	453	210	0.58	2100	0.74	1.7	98	64
AMQ-ENV-112	WT - Pit	Waste	S3S	278	27000	< 0.8	6.9	200	0.59	0.30	4.0	7100	0.080	19	310	42	40000	17	35	28000	620	< 0.05	1.0	110	1200	15000	< 0.7	9600	0.16	440	22	0.50	1300	0.49	2.4	50	55
AMQ-ENV-122	WT - Pit	Waste	S3S	223	29000	< 0.8	11	460	0.35	< 0.09	3.0	12000	0.090	23	250	66	54000	6.2	21	25000	490	< 0.05	0.90	87	640	13000	< 0.7	12000	0.11	1000	47	< 0.5	1700	0.32	1.1	89	64
AMQ-ENV15-049	WT - Pit	Waste	S3S	219	27000	< 0.8	2.5	180	0.53	< 0.09	2.0	14000	0.030	21	580	38	40000	2.4	24	33000	580	< 0.05	0.70	130	1200	11000	< 0.7	7700	0.050	320	60	< 0.5	1300	0.30	1.1	63	49
AMQ-ENV-117	WT - Pit	Waste	S3S	213	20000	< 0.8	11	160	0.38	0.17	5.0	14000	0.090	14	140	30	29000	15	26	16000	450	< 0.05	1.1	62	670	11000	< 0.7	9000	0.13	500	34	< 0.5	1000	0.45	2.3	38	49
AMQ-ENV15-012	WT - Pit	Waste	S3S	272	27000	< 0.8	13	340	0.52	< 0.09	2.0	8200	0.22	19	270	43	49000	22	26	23000	580	< 0.05	2.6	71	1100	13000	< 0.7	8900	0.080	1200	37	< 0.5	1400	0.36	1.1	77	63
AMQ-ENV15-110	WT - Pit	Waste	S3S	147	19000	< 0.8	8.1	110	0.33	0.25	5.0	14000	0.090	12	93	29	35000	15	19	13000	460	< 0.05	1.4	38	620	6200	< 0.7	13000	0.10	1300	51	< 0.5	940	0.19	3.5	43	53
AMQ-ENV15-101	WT - Pit	Waste	S3S	228	42000	< 0.8	9.2	280	0.91	0.12	1.0	25000	0.13	21	410	28	69000	13	31	41000	720	< 0.05	0.90	130	1100	13000	< 0.7	7300	0.080	440	90	0.80	1500	0.37	1.3	89	77
AMQ-ENV15-093	WT - Pit	Waste	S3S	176	22000	< 0.8	88	150	0.35	0.52	3.0	19000	0.44	19	230	19	41000	80	15	26000	510	< 0.05	1.8	97	610	7700	< 0.7	12000	0.24	990	52	0.50	950	0.25	1.9	48	94
AMQ-ENV15-032	WT - Pit	Waste	S3S	249	25000	< 0.8	2.9	240	0.55	< 0.09	1.0	12000	0.030	20	450	51	39000	3.4	23	27000	500	< 0.05	0.80	110	1200	18000	< 0.7	9500	0.090	610	61	0.60	1600	0.43	1.0	64	50
AMQ-ENV15-023	WT - Pit	Waste	S3S	228	25000	< 0.8	1.8	280	0.55	0.10	2.0	11000	0.050	18	360	68	37000	9.8	18	23000	450	< 0.05	2.6	86	1100	21000	< 0.7	10000	0.11	810	56	< 0.5	1800	0.49	1.2	59	44
AMQ-ENV17-31	WT - Pit	Waste	S3S	223	16000	< 0.8	20	75	0.21	0.17	4.0	8700	0.040	14	69	25	28000	12	16	11000	360	< 0.05	1.0	42	610	6100	< 0.7	2300	0.10	240	29	< 0.5	950	0.26	2.1	31	51
AMQ-ENV15-003	WT - Pit	Waste	S3S	266	30000	< 0.8	8.8	260	0.55	< 0.09	1.0	15000	0.090	24	640	40	43000	14	31	35000	610	< 0.05	1.5	170	1200	13000	< 0.7	8400	0.080	380	56	< 0.5	1400	0.40	0.89	76	67
AMQ-ENV17-18	WT - Pit	Waste	S3S	234	24000	< 0.8	7.4	160	0.50	0.15	8.0	16000	0.050	17	240	28	35000	14	29	23000	500	< 0.05	0.80	86	820	13000	< 0.7	2500	0.11	240	51	0.70	1600	0.54	1.8	57	54
AMQ-ENV-120	WT - Pit	Waste	S3S	307	29000	< 0.8	2.6	390	0.57	< 0.09	1.0	12000	0.050	24	400	51	45000	8.9	24	28000	600	< 0.05	0.60	110	1400	21000	< 0.7	10000	0.090	440	55	< 0.5	1800	0.58	0.79	73	59
AMQ-ENV15-102	WT - Pit	Waste	S3S	230	31000	< 0.8	7.8	400	0.37	< 0.09	2.0	15000	0.10	22	310	51	54000	7.4	23	26000	690	< 0.05	2.0	93	1100	14000	< 0.7	13000	0.070	1500	68	< 0.5	1600	0.37	0.80	89	70
AMQ-ENV-115	WT - Pit	Waste	S3S	177	24000	< 0.8	25	89	0.29	0.17	3.0	7500	0.16	16	81	30	42000	37	23	16000	480	< 0.05	1.2	50	590	5800	< 0.7	8100	0.16	560	24	< 0.5	950	0.28	2.7	42	76
AMQ-ENV15-103	WT - Pit	Waste	S3S	263	33000	< 0.8	1.7	430	0.55	< 0.09	1.0	21000	0.030	25	620	44	47000	2.7	31	37000	650	< 0.05	0.50	150	1400	21000	< 0.7	6500	0.040	230	89	< 0.5	1500	0.44	0.38	78	55
AMQ-ENV-66	WT - Pit	Waste	S3S	292	26000	< 0.8	14	290	0.36	0.11	4.0	9300	0.070	28	710	69	36000	6.4	26	30000	500	< 0.05	1.0	180	1500	15000	< 0.7	1500	0.070	290	41	< 0.5	1500	0.40	0.70	74	45
AMQ-ENV17-17	WT - Pit	Waste	S3S	262	32000	< 0.8	16	290	0.59	0.11	2.0	17000	0.19	27	540	47	49000	25	24	33000	610	< 0.05	2.6	150	1800	16000	< 0.7	2500	0.10	160	66	0.70	1800	0.36	1.5	96	68
AMQ-ENV15-081	WT - Pit	Waste	S3S	279	23000	< 0.8	14	120	0.55	0.18	3.0	12000	0.060	19	270	43	41000	14	25	22000	460	< 0.05	1.1	87	990	11000	< 0.7	4700	0.12	300	39	< 0.5	1100	0.40	1.8	64	46
AMQ-ENV-71	WT - Pit	Waste	S3S	48	24000	< 0.8	27	160	0.33	0.35	2.0	12000	0.080	20	280	44	43000	31	20	22000	520	< 0.05	1.4	84	820	13000	< 0.7	980	0.37	330	34	< 0.5	1400	0.38	1.8	70	56
AMQ-ENV-60	WT - Pit	Waste	S3S	276	29000	< 0.8	14	280	0.74	0.16	5.0	23000	0.040	26	540	44	43000	5.6	34	37000	610	< 0.05	1.2	140	1100	13000	< 0.7	1600	0.050	160	64	0.50	1300	0.35	1.2	86	50
AMQ-ENV17-15	WT - Pit	Waste	S3S	274	32000	< 0.8	23	380	0.69	0.13	2.0	15000	0.12	31	780

Appendix F-5
Trace Element Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (Price, 1997)[3]				-	82300	0.20	1.8	425	3.0	0.0085	10	41500	0.15	25	102	60	56300	14	20	23300	950	0.085	1.2	84	1050	20850	0.050	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
Sample Identification[1]	**Deposit Location[2]**	**MATERIAL**	**Rock Type (MODEL)**	**Fluoride**	**Aluminum**	**Antimony**	**Arsenic**	**Barium**	**Beryllium**	**Bismuth**	**Boron**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**	**Iron**	**Lead**	**Lithium**	**Magnesium**	**Manganese**	**Mercury**	**Molybdenum**	**Nickel**	**Phosphorus**	**Potassium**	**Selenium**	**Silicon**	**Silver**	**Sodium**	**Strontium**	**Tin**	**Titanium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**
				µg/g																																
AMQ-ENV17-40	IVR	Ore	S9E	99	28000	< 0.8	**67**	85	0.34	**0.13**	3.0	29000	0.31	19	86	96	130000	3.2	26	18000	3800	< 0.05	1.4	31	320	11000	**0.70**	6600	**0.66**	200	52	0.60	980	0.23	0.25	65	200
AMQ-ENV-57	WT - Pit	Ore	S9E	61	24000	**7.2**	**2000**	130	0.20	**0.18**	1.0	7200	0.030	100	**1400**	56	70000	1.4	32	15000	1700	< 0.05	0.80	**1300**	190	17000	< 0.7	1800	**0.55**	200	7.5	< 0.5	1600	0.34	0.046	69	47
AMQ-ENV15-027	WT - Pit	Ore	S9E	57	15000	**4.6**	**1400**	59	0.12	**0.26**	2.0	14000	0.030	73	**1090**	47	110000	2.2	17	9400	1700	< 0.05	0.40	**1020**	90	7600	< 0.7	6100	**1.1**	270	16	< 0.5	700	0.24	0.067	52	22
AMQ-ENV15-135	WT - Pit	Ore	S9E	78	23000	**1.9**	**1000**	50	0.19	< 0.09	1.0	8300	0.050	64	**1200**	6.1	30000	0.97	18	36000	540	< 0.05	0.40	**730**	94	9300	< 0.7	4400	0.30	50	38	< 0.5	630	0.19	0.0040	53	32
AMQ-ENV15-089	WT - Pit	Ore	S9E	72	22000	**5.2**	**1300**	120	0.16	< 0.09	1.0	21000	0.080	75	**980**	85	100000	4.7	22	13000	1800	< 0.05	0.50	**940**	120	15000	< 0.7	4500	**1.5**	160	24	< 0.5	1200	0.45	0.11	61	42
AMQ-ENV15-039	WT - Pit	Ore	S9E	229	20000	**3.3**	**640**	88	0.24	< 0.09	3.0	32000	0.030	55	**970**	1.9	32000	0.52	25	44000	720	< 0.05	0.20	**610**	810	15000	< 0.7	7900	0.050	96	82	< 0.5	750	0.36	< 0.002	56	32
AMQ-ENV-56	WT - Pit	Ore	S9E	42	15000	**9.4**	**1500**	90	0.13	**0.22**	1.0	13000	0.040	97	**950**	61	57000	1.3	16	8800	1300	< 0.05	2.5	**1200**	160	9500	< 0.7	2000	**0.53**	550	11	< 0.5	1200	0.19	0.048	45	28
AMQ-ENV-49	WT - Pit	Ore	S9E	51	35000	**3.8**	**660**	46	0.25	**0.14**	< 1	56000	0.11	74	**1600**	54	120000	1.9	17	32000	3000	< 0.05	0.40	**1000**	120	12000	< 0.7	3100	0.24	540	81	< 0.5	930	0.25	0.039	99	57
AMQ-ENV15-045	WT - Pit	Ore	S9E	84	21000	**5.6**	**1200**	50	0.10	**0.10**	1.0	25000	0.050	81	**1170**	15	68000	1.0	21	16000	1900	< 0.05	0.30	**920**	210	6000	< 0.7	6000	0.090	190	37	< 0.5	670	0.17	0.0050	63	38
AMQ-ENV15-010	WT - Pit	Ore	S9E	116	16000	**5.2**	**1600**	120	0.22	**0.15**	2.0	16000	0.040	75	**1060**	26	110000	1.2	20	8100	1600	< 0.05	0.50	**1030**	160	11000	< 0.7	6400	**0.47**	250	17	< 0.5	1000	0.46	0.085	54	34
AMQ-ENV-47	WT - Pit	Ore	S9E	43	26000	**2.6**	**1100**	110	0.29	**0.14**	1.0	26000	0.090	81	**1600**	47	41000	4.4	28	36000	970	< 0.05	0.30	**920**	79	15000	< 0.7	1200	0.29	71	100	< 0.5	1200	0.32	0.012	88	49
AMQ-ENV15-021	WT - Pit	Ore	S9E	94	16000	**2.7**	**550**	50	0.29	< 0.09	< 1	21000	0.060	63	**850**	28	27000	1.8	13	25000	540	< 0.05	0.40	**510**	490	4000	< 0.7	3900	0.070	45	230	< 0.5	400	0.12	0.43	43	22
AMQ-ENV-125	WT - Pit	Ore	S9E	96	27000	**1.3**	**510**	160	0.40	< 0.09	1.0	12000	0.060	60	**1000**	36	38000	2.8	27	47000	490	< 0.05	0.30	**480**	220	12000	< 0.7	7800	0.050	84	92	< 0.5	990	0.37	0.14	79	36
AMQ-ENV15-083	WT - Pit	Ore	S9E	59	23000	< 0.8	**310**	84	0.35	< 0.09	< 1	33000	0.060	60	**970**	35	35000	1.9	16	43000	650	< 0.05	0.10	**510**	61	11000	< 0.7	5900	0.060	59	150	< 0.5	680	0.32	< 0.002	69	29
AMQ-ENV-64	WT - Pit	Ore	S9E	93	22000	**1.1**	**1000**	170	0.50	**0.13**	< 1	25000	0.080	65	**1300**	35	33000	1.7	26	37000	840	< 0.05	0.60	**740**	190	13000	< 0.7	1300	0.12	92	210	< 0.5	1400	0.39	0.30	67	40
AMQ-ENV17-14	WT - Pit	Ore	S9E	82	23000	**2.6**	**880**	140	0.16	**0.11**	2.0	17000	0.050	80	**980**	46	70000	2.3	18	14000	1700	< 0.05	0.30	**580**	170	14000	< 0.7	3500	0.27	270	22	< 0.5	1600	0.30	0.042	81	42
AMQ-ENV15-038	WT - Pit	Waste	S9E	123	25000	**3.5**	**580**	78	0.17	< 0.09	2.0	17000	0.030	66	**1390**	26	130000	0.93	28	15000	2200	< 0.05	0.50	**790**	100	12000	< 0.7	3800	0.11	160	22	< 0.5	1200	0.35	0.050	83	47
AMQ-ENV-58	WT - Pit	Waste	S9E	47	22000	**3.6**	**1500**	88	0.21	**0.15**	1.0	19000	0.040	82	**1400**	56	46000	1.1	20	42000	970	< 0.05	0.50	**1000**	270	13000	< 0.7	1100	**0.46**	74	64	< 0.5	860	0.28	0.011	80	33
AMQ-ENV-31	WT - Pit	Waste	S9E	130	25000	**15**	**1500**	120	0.20	< 0.09	5.0	7600	0.060	97	**1600**	23	49000	0.51	28	32000	1200	< 0.05	0.40	**1400**	110	12000	< 0.7	10000	0.13	140	11	< 0.5	1200	0.28	0.036	71	47
AMQ-ENV-69	WT - Pit	Waste	S9E	15	25000	**7.1**	**1400**	92	0.17	**0.16**	< 1	21000	0.040	92	**1500**	29	55000	1.0	27	22000	1600	< 0.05	0.20	**1100**	170	12000	< 0.7	1700	0.24	400	24	< 0.5	1100	0.27	0.019	81	41
AMQ-ENV15-028	WT - Pit	Waste	S9E	78	18000	**4.4**	**1000**	58	0.19	< 0.09	5.0	40000	0.040	79	**810**	7.6	35000	1.4	28	25000	960	< 0.05	0.60	**720**	160	9400	< 0.7	4300	0.050	140	62	< 0.5	700	0.20	0.023	51	23
AMQ-ENV-70	WT - Pit	Waste	S9E	215	18000	**1.8**	**540**	6.3	0.080	< 0.09	2.0	25000	0.020	59	**960**	44	29000	0.46	5.0	42000	600	< 0.05	0.20	**580**	88	910	< 0.7	730	0.070	43	62	< 0.5	130	< 0.02	0.020	59	24
AMQ-ENV15-090	WT - Pit	Waste	S9E	64	20000	**8.5**	**1400**	95	0.16	< 0.09	1.0	20000	0.070	84	**1170**	64	41000	1.5	25	26000	980	< 0.05	0.40	**1110**	110	15000	< 0.7	5000	**0.43**	130	40	< 0.5	1100	0.30	0.018	56	33
AMQ-ENV15-034	WT - Pit	Waste	S9E	32	19000	**3.1**	**800**	18	0.11	**0.29**	1.0	15000	0.030	71	**1250**	64	130000	1.3	9.0	11000	2400	< 0.05	0.60	**930**	110	2400	< 0.7	6300	0.30	270	17	< 0.5	320	0.12	0.15	60	28
AMQ-ENV15-011	WT - Pit	Waste	S9E	73	19000	**3.0**	**830**	130	0.31	< 0.09	2.0	18000	0.030	60	**930**	14	30000	0.71	27	19000	670	< 0.05	0.50	**600**	220	18000	< 0.7	5500	0.11	180	31	< 0.5	1000	0.32	< 0.002	61	32
AMQ-ENV15-099	WT - Pit	Waste	S9E	18	11000	**1.9**	**770**	3.2	0.10	< 0.09	2.0	40000	0.040	46	**540**	7.6	25000	0.58	< 2	39000	820	< 0.05	0.10	**550**	220	160	< 0.7	2100	0.030	19	120	< 0.5	51	< 0.02	< 0.002	35	13
AMQ-ENV-17	WT - Pit	Waste	S9E	23	18000	< 0.8	**150**	22	0.080	< 0.09	< 1	9500	0.050	61	**950**	74	28000	0.73	8.0	32000	450	< 0.05	0.10	390	100	2500	< 0.7	7700	0.10	110	21	< 0.5	280	0.10	0.014	56	24
Iron Formation	**(S9E)**		**Minimum**	42	15000	< 0.8	**310**	46	0.10	< 0.09	< 1	7200	0.030	55	**850**	1.9	27000	0.52	13	8100	490	< 0.05	0.10	**480**	61	4000	< 0.7	1200	0.050	45	7.5	< 0.5	400	0.12	< 0.002	43	22
			Maximum	229	35000	**9.4**	**2000**	170	0.50	**0.26**	3.0	56000	0.11	100	**1600**	85	120000	4.7	32	47000	3000	0.050	2.5	**1300**	810	17000	**0.70**	7900	**1.5**	550	230	0.50	1600	0.46	0.43	99	57
			Median	78	22000	**3.3**	**1000**	90	0.22	**0.11**	1.0	21000	0.050	74	**1060**	36	57000	1.8	20	25000	1300	0.050	0.40	**920**	160	12000	**0.70**	4400	0.27	160	38	0.50	990	0.32	0.046	63	36
	WT-Pit Ore		**Average**	84	21867	**3.8**	**1043**	98	0.24	**0.13**	1.3	21767	0.057	74	**1141**	39	62733	2.0	21	25620	1297	0.050	0.53	**833**	211	11427	**0.70**	4387	**0.38**	195	75	0.50	997	0.30	0.089	65	37
			Standard Deviation	46	5290	**2.4**	**468**	42	0.11	**0.053**	0.62	12320	0.024	13	236	22	33094	1.2	5.4	14232	705	7.2E-18	0.57	260	194	3654	1.1E-16	2246	**0.42**	163	72	-	365	0.10	0.12	16	9.8
			75th Percentile	93	23500	**5.2**	**1350**	125	0.29	**0.15**	1.5	25500	0.070	81	**1250**	51	85000	2.3	26	36500	1700	0.050	0.50	**1010**	200	14500	**0.70**	6050	**0.50**	260	96	0.50	1200	0.37	0.098	74	42
Iron Formation	**(S9E)**		**Minimum**	15	11000	< 0.8	**150**	3.2	0.080	< 0.09	< 1	7600	0.020	46	**540**	7.6	25000	0.46	2.0	11000	450	< 0.05	0.10	390	88	160	< 0.7	730	0.030	19	11	< 0.5	51	< 0.02	< 0.002	35	13
			Maximum	215	25000	**15**	**1500**	130	0.31	**0.29**	5.0	40000	0.070	97	**1600**	74	130000	1.5	28	42000	2400	0.050	0.60	**1400**	270	18000	**0.70**	10000	**0.46**	400	120	0.50	1200	0.35	0.15	83	47
			Median	64	19000	**3.5**	**830**	78	0.17	**0.090**	2.0	19000	0.040	71	**1170**	29	41000	0.93	25	26000	970	0.050	0.40	**790**	110	12000	**0.70**	4300	0.11	140	31	0.50	860	0.27	0.019	60	32
	WT-Pit Waste		**Average**	74	20000	**4.8**	**952**	65	0.16	**0.12**	2.1	21100	0.041	72	**1136**	37	54364	0.93	19	27727	1168	0.050	0.37	**834**	151	8852	**0.70**	4385	0.18	151	43	0.50	722	0.21	0.031	63	31
			Standard Deviation	61	4171	**4.1**	**450**	46	0.068	**0.062**	1.5	10563	0.014	16	326	24	38586	0.36	11	10640	640	7.3E-18	0.19	303	62	6240	1.2E-16	2911	0.15	107	32	-	447	0.12	0.042	15	11
			75th Percentile	101	23500	**5.8**	**1400**	94	0.20	**0.12**	2.0	23000	0.045	83	**1395**	60	52000	1.2	28	35500	1400	0.050	0.50	**1050**	195	12500	**0.70**	5900	0.27	170	62	0.50	1100	0.29	0.030	76	37

Appendix F-5
Trace Element Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (Price, 1997)[3]				-	82300	0.20	1.8	425	3.0	0.0085	10	41500	0.15	25	102	60	56300	14	20	23300	950	0.085	1.2	84	1050	20850	0.050	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
Sample Identification[1]	**Deposit Location[2]**	**MATERIAL**	**Rock Type (MODEL)**	**Fluoride**	**Aluminum**	**Antimony**	**Arsenic**	**Barium**	**Beryllium**	**Bismuth**	**Boron**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**	**Iron**	**Lead**	**Lithium**	**Magnesium**	**Manganese**	**Mercury**	**Molybdenum**	**Nickel**	**Phosphorus**	**Potassium**	**Selenium**	**Silicon**	**Silver**	**Sodium**	**Strontium**	**Tin**	**Titanium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**
				µg/g																																
AMQ-ENV16-27	IVR	Ore	V4A-0a	-	23000	2.0	630	180	0.86	< 0.09	< 1	40000	0.11	47	1100	4.9	36000	2.6	23	48000	850	-	0.80	460	45	19000	< 0.7	4100	0.15	120	220	< 0.5	1200	0.44	0.57	59	34
AMQ-ENV16-55	IVR	Ore	V4A-0a	-	13000	2.9	510	8.7	0.20	< 0.09	< 1	15000	0.28	55	730	22	19000	19	9.0	23000	420	-	0.40	410	470	1500	< 0.7	2100	0.21	56	150	< 0.5	210	0.20	0.63	28	32
AMQ-ENV16-24	IVR	Waste	V4A-0a	-	19000	< 0.8	250	31	0.23	< 0.09	< 1	45000	0.29	53	690	52	38000	6.6	11	42000	1300	-	0.30	300	110	2600	< 0.7	4200	0.23	49	120	< 0.5	300	0.050	0.84	54	31
AMQ-ENV16-21	IVR	Waste	V4A-0a	-	34000	< 0.8	110	43	0.16	< 0.09	< 1	48000	0.16	60	770	54	87000	3.2	21	29000	2100	-	0.30	240	180	6800	< 0.7	8500	0.48	130	39	< 0.5	830	0.24	0.046	120	67
AMQ-ENV16-26	IVR	Waste	V4A-0a	-	24000	1.2	220	36	0.12	< 0.09	2.0	24000	0.050	56	1000	16	36000	0.19	18	44000	610	-	0.20	290	110	3600	< 0.7	4300	0.050	31	86	< 0.5	360	0.10	< 0.002	63	24
AMQ-ENV16-40	IVR	Waste	V4A-0a	-	19000	< 0.8	450	210	0.76	< 0.09	4.0	17000	0.020	49	880	27	30000	0.64	19	39000	380	-	0.50	390	540	11000	< 0.7	2600	0.12	51	29	< 0.5	960	0.33	0.37	39	22
AMQ-ENV16-59	IVR	Waste	V4A-0a	-	30000	2.0	440	160	0.84	< 0.09	1.0	50000	0.10	82	1400	31	63000	2.6	15	46000	1800	-	0.60	490	140	14000	< 0.7	7000	0.17	63	130	< 0.5	1200	0.46	0.20	70	49
AMQ-ENV17-79	IVR	Waste	V4A-0a	72	27000	1.1	53	17	0.11	< 0.09	1.0	44000	0.10	48	680	51	64000	2.6	11	22000	2600	< 0.05	0.20	140	160	2600	< 0.7	4700	0.17	370	50	< 0.5	890	0.080	0.036	120	51
AMQ-ENV16-34	IVR	Waste	V4A-0a	-	32000	1.2	240	310	1.7	< 0.09	2.0	15000	0.070	29	700	26	44000	2.5	26	43000	470	-	0.90	240	850	27000	< 0.7	4400	0.97	140	73	1.1	2300	0.68	1.4	76	42
AMQ-ENV16-15	IVR	Waste	V4A-0a	-	25000	1.5	220	160	0.11	< 0.09	< 1	21000	0.050	110	1200	89	74000	1.0	28	18000	2500	-	0.40	410	150	8400	< 0.7	7300	0.20	130	25	< 0.5	940	0.23	0.015	56	26
AMQ-ENV16-39	IVR	Waste	V4A-0a	-	23000	< 0.8	320	280	1.1	< 0.09	< 1	26000	0.080	38	860	14	41000	2.9	21	45000	710	-	0.80	310	1000	14000	< 0.7	4300	0.12	140	200	< 0.5	1300	0.49	0.78	58	35
AMQ-ENV16-25	IVR	Waste	V4A-0a	-	15000	1.4	410	49	0.26	< 0.09	1.0	40000	0.10	49	800	14	30000	4.5	11	43000	950	-	0.30	380	100	2600	< 0.7	3000	0.10	55	320	< 0.5	280	0.10	0.11	49	21
AMQ-ENV16-33	IVR	Waste	V4A-0a	-	14000	2.6	510	6.4	0.14	< 0.09	< 1	30000	0.050	77	780	30	22000	1.3	7.0	33000	730	-	0.20	400	92	770	< 0.7	2800	0.16	54	130	< 0.5	110	0.040	0.024	39	19
AMQ-ENV17-38	IVR	Waste	V4A-0a	24	22000	1.9	420	95	0.13	< 0.09	1.0	29000	0.10	79	1300	39	32000	4.9	14	36000	660	< 0.05	0.20	590	96	6100	< 0.7	2300	0.13	73	300	< 0.5	710	0.22	0.014	90	27
AMQ-ENV16-30	IVR	Waste	V4A-0a	-	21000	4.9	810	64	0.32	0.23	3.0	35000	0.10	64	890	55	32000	29	16	46000	790	-	0.20	560	95	6000	< 0.7	2800	0.47	49	230	< 0.5	500	0.15	< 0.002	57	23
AMQ-ENV16-38	IVR	Waste	V4A-0a	-	21000	1.4	400	93	0.17	< 0.09	< 1	20000	0.030	59	970	16	28000	0.37	20	33000	490	-	0.20	440	94	7900	< 0.7	3200	0.080	58	95	< 0.5	730	0.24	0.30	52	22
AMQ-ENV16-29	IVR	Waste	V4A-0a	-	20000	1.8	670	120	0.54	0.37	< 1	40000	0.16	60	850	12	34000	1.6	20	48000	920	-	0.20	470	110	11000	< 0.7	3200	0.23	74	270	< 0.5	950	0.30	0.044	54	29
AMQ-ENV17-43	IVR	Waste	V4A-0a	77	31000	4.3	860	110	0.48	0.11	1.0	30000	0.070	73	1500	24	44000	7.3	16	52000	690	< 0.05	0.10	650	53	12000	< 0.7	3600	0.27	86	190	< 0.5	810	0.28	0.0050	120	30
AMQ-ENV17-46	IVR	Waste	V4A-0a	13	32000	< 0.8	11	98	0.090	< 0.09	1.0	27000	0.050	44	1300	33	47000	1.5	16	56000	900	< 0.05	0.20	410	120	6200	< 0.7	3300	0.10	75	160	< 0.5	690	0.20	0.0050	120	30
AMQ-ENV15-016	WT - Pit	Ore	V4A-0a	79	27000	3.4	1200	120	0.52	0.14	5.0	38000	0.040	76	1350	60	80000	3.0	19	30000	1800	< 0.05	0.50	1060	120	13000	< 0.7	4900	0.28	55	55	< 0.5	1100	0.41	0.062	76	39
AMQ-ENV15-105	WT - Pit	Ore	V4A-0a	41	17000	< 0.8	680	44	0.17	< 0.09	1.0	9700	0.020	51	720	36	29000	0.61	9.0	26000	340	< 0.05	0.30	440	170	3900	< 0.7	4100	0.10	33	37	< 0.5	520	0.11	< 0.002	66	28
AMQ-ENV15-014	WT - Pit	Waste	V4A-0a	13	20000	< 0.8	24	57	0.11	< 0.09	< 1	24000	0.040	29	860	33	31000	0.38	13	41000	570	< 0.05	0.10	200	86	5400	< 0.7	2700	0.080	22	68	< 0.5	530	0.15	0.0070	66	19
AMQ-ENV16-50	WT - Pit	Waste	V4A-0a	-	21000	< 0.8	62	110	0.30	0.79	3.0	2700	0.50	11	57	44	54000	19	28	11000	650	-	2.0	27	540	14000	< 0.7	5000	0.56	220	7.2	< 0.5	1100	0.48	1.7	33	97
AMQ-ENV15-040	WT - Pit	Waste	V4A-0a	8.0	14000	< 0.8	26	5.2	0.060	< 0.09	< 1	45000	0.040	23	730	15	22000	0.80	5.0	32000	680	< 0.05	< 0.1	230	74	410	< 0.7	2900	0.13	15	120	< 0.5	87	< 0.02	< 0.002	48	11
AMQ-ENV15-029	WT - Pit	Waste	V4A-0a	26	12000	< 0.8	300	7.4	0.060	< 0.09	2.0	32000	0.070	71	610	8.3	23000	0.53	9.0	31000	1100	< 0.05	0.30	240	91	830	< 0.7	2500	0.030	20	72	< 0.5	100	0.030	< 0.002	41	14
AMQ-ENV-32	WT - Pit	Waste	V4A-0a	11	15000	1.3	440	11	0.090	< 0.09	1.0	32000	0.060	67	720	24	25000	0.77	8.0	39000	750	< 0.05	< 0.1	410	110	1300	< 0.7	7300	0.080	28	71	< 0.5	140	0.030	0.0030	49	18
AMQ-ENV-59	WT - Pit	Waste	V4A-0a	31	24000	< 0.8	430	96	0.10	0.10	1.0	47000	0.080	60	1200	31	41000	1.4	16	47000	1100	< 0.05	0.10	500	180	7900	< 0.7	1500	0.11	65	110	< 0.5	650	0.18	0.0050	81	31
AMQ-ENV15-041	WT - Pit	Waste	V4A-0a	6.0	15000	< 0.8	90	4.7	0.060	< 0.09	< 1	15000	0.060	38	680	5.5	22000	0.41	9.0	31000	450	< 0.05	< 0.1	170	110	530	< 0.7	2100	< 0.01	14	45	< 0.5	95	0.020	0.56	48	15
AMQ-ENV-16	WT - Pit	Waste	V4A-0a	18	13000	3.1	380	6.2	0.090	< 0.09	1.0	30000	0.040	69	680	13	21000	0.87	4.0	34000	610	< 0.05	0.10	410	120	640	< 0.7	6400	0.12	33	64	< 0.5	87	0.020	0.022	39	18
AMQ-ENV15-055	WT - Pit	Waste	V4A-0a	7.0	16000	1.5	320	3.6	0.070	< 0.09	1.0	21000	0.030	80	910	16	26000	0.61	4.0	36000	510	< 0.05	0.20	370	89	310	< 0.7	2900	0.040	18	37	< 0.5	68	< 0.02	0.0030	57	18
AMQ-ENV-33	WT - Pit	Waste	V4A-0a	13	15000	1.0	190	11	0.060	< 0.09	1.0	29000	0.040	54	840	51	30000	3.0	6.0	37000	620	< 0.05	< 0.1	320	100	1100	< 0.7	9300	0.28	38	99	< 0.5	130	0.040	0.0040	54	17
AMQ-ENV-72	WT - Pit	Waste	V4A-0a	30	30000	0.90	870	260	0.59	0.11	< 1	55000	0.15	53	1200	32	57000	3.9	22	56000	1500	< 0.05	0.70	670	350	18000	< 0.7	1400	0.11	100	200	< 0.5	1500	0.40	0.39	86	47
AMQ-ENV-39	WT - Pit	Waste	V4A-0a	8.0	13000	0.90	350	4.9	0.050	< 0.09	< 1	35000	0.070	57	650	34	24000	1.0	5.0	40000	670	< 0.05	0.10	340	120	520	< 0.7	5800	0.11	41	66	< 0.5	68	< 0.02	0.028	36	15
AMQ-ENV15-030	WT - Pit	Waste	V4A-0a	8.0	11000	< 0.8	300	1.3	0.080	< 0.09	1.0	31000	0.13	57	640	5.1	25000	0.82	3.0	35000	760	< 0.05	0.30	260	110	74	< 0.7	2400	0.090	19	110	< 0.5	39	< 0.02	0.0040	44	13
AMQ-ENV-73	WT - Pit	Waste	V4A-0a	14	21000	1.1	940	9.1	0.17	0.15	< 1	22000	0.080	79	1000	31	29000	11	7.0	38000	510	< 0.05	< 0.1	710	83	1000	< 0.7	1200	0.21	32	63	< 0.5	150	< 0.02	0.0070	61	25
AMQ-ENV-121	WT - Pit	Waste	V4A-0a	136	23000	< 0.8	94	310	0.45	< 0.09	1.0	13000	0.030	40	910	20	36000	6.3	31	42000	500	< 0.05	0.70	330	860	19000	< 0.7	11000	0.090	220	130	< 0.5	1900	0.66	0.88	64	36
AMQ-ENV15-026	WT - Pit	Waste	V4A-0a	28	12000	3.5	2400	22	0.18	0.10	1.0	47000	0.070	89	650	9.9	20000	2.5	5.0	30000	1100	< 0.05	0.40	1370	63	2800	< 0.7	2500	0.10	27	140	< 0.5	250	0.090	0.0060	37	19
AMQ-ENV-43	WT - Pit	Waste	V4A-0a	17	12000	1.1	820	30	0.18	< 0.09	1.0	67000	0.17	73	690	6.9	34000	4.2	9.0	53000	1660	< 0.05	0.30	650	170	3600	< 0.7	7800	0.10	110	140	< 0.5	420	0.14	0.027	38	24
AMQ-ENV-44	WT - Pit	Waste	V4A-0a	58	20000	< 0.8	180	24	0.13	< 0.09	3.0	25000	0.070	45	960	24	36000	1.0	14	39000	860	< 0.05	0.10	400	110	3900	< 0.7	7600	0.14	69	47	< 0.5	440	0.14	0.010	62	28
AMQ-ENV15-084	WT - Pit	Waste	V4A-0a	5.0	12000	< 0.8	300	2.4	0.050	< 0.09	< 1	34000	0.10	57	600	11	22000	0.95	3.0	40000	670	< 0.05	< 0.1	290	89	120	< 0.7	3200	0.040	27	180	< 0.5	46	< 0.02	< 0.002	31	13
AMQ-ENV15-068	UG	Waste	V4A-0a	43	22000	2.2	490	98	0.090	< 0.09	1.0	16000	0.030	70	1250	8.4	40000	1.4	13	35000	870	< 0.05	0.20	660	91	4600	< 0.7	7300	0.020	63	45	< 0.5	600	0.20	< 0.002	72	31
AMQ-ENV15-121	UG	Waste	V4A-0a	43	17000	0.80	490	83	0.31	< 0.09	1.0	33000	0.19	53	560	40	33000	4.2	10	38000	790	< 0.05	0.10	340	120	7500	< 0.7	3300	0.16	50	110	< 0.5	790	0.20	< 0.002	64	28
AMQ-ENV15-071	UG	Waste	V4A-0a	24	17000	< 0.8	250	32	0.19	< 0.09	< 1	42000	0.11	56	840	28	31000	2.6	6.0	42000	990	< 0.05	< 0.1	290	120	3800	< 0.7	4700	0.10	41	160	< 0.5	240	0.11	< 0.002	55	25
AMQ-ENV15-051	UG	Waste	V4A-0a	65	20000	1.4	690	120	0.62	< 0.09	< 1	40000	0.090	57	880	5.0	35000	2.1	14	45000	880	< 0.05	0.30	460	75	12000	< 0.7	3700	0.050	70	200	< 0.5	870	0.27	< 0.002	75	32
Komatiite North 0a) (V4A-IVR Ore			**Minimum**	-	13000	2.0	510	8.7	0.20	< 0.09	< 1	15000	0.11	47	730	4.9	19000	2.6	9.0	23000	420	-	0.40	410	45	1500	< 0.7	2100	0.15	56	150	< 0.5	210	0.20	0.57	28	32
			Maximum	-	23000	2.9	630	180	0.86	0.090	1.0	40000	0.28	55	1100	22	36000	19	23	48000	850	-	0.80	460	470	19000	0.70	4100	0.21	120	220	0.50	1200	0.44	0.63	59	34
			Median	-	18000	2.5	570	94	0.53	0.090	1.0	27500	0.20	51	915	13	27500	11	16	35500	635	-	0.60	435	258	10250	0.70	3100	0.18	88	185	0.50	705	0.32	0.60	44	33
			Average	-	18000	2.5	570	94	0.53	0.090	1.0	27500	0.20	51	915	13	27500	11	16	35500	635	-	0.60	435	258	10250	0.70	3100	0.18	88	185	0.50	705	0.32	0.60	44	33
			Standard Deviation	-	7071	0.64	85	121	0.47	0	0	17678	0.12	5.7	262	12	12021	12	9.9	17678	304	-	0.28	35	301	12374	0	1414	0.042	45	49	0	700	0.17	0.042	22	1.4
			75th Percentile	-	20500	2.7	600	137	0.70	0.090	1.0	33750	0.24	53	1008	18	31750	15	20	41750	743	-	0.70	448	364	14625	0.70	3600	0.20	104	203	0.50	953	0.38	0.62	51	34
Komatiite North 0a) (V4A-IVR Waste			**Minimum**	-	14000	< 0.8	11	6.4	0.090	< 0.09	< 1	15000	0.020	29	680	12	22000	0.19	7.0	18000	380	< 0.05	0.10	140	53	770	< 0.7	2300	0.050	31	25	< 0.5	110	0.040	< 0.002	39	19
			Maximum	77	34000	4.9	860	310	1.7	0.37	4.0	50000	0.29	110	1500	89	87000	29	28	56000	2600	0.050	0.90	650	1000	27000	0.70	8500	0.97	370	320	1.1	2300	0.68	1.4	120	67
			Median	48	23000	1.4	400	95	0.23	0.090	1.0	30000	0.080	59	880	30	38000	2.6	16	43000	790	0.050	0.20	400	110	6800	0.70	3600	0.17	73	130	0.50	810	0.23	0.044	58	29
			Average	47	24059	1.7	376	111	0.43	0.12	1.4	31824	0.093	61	975	34	43882	4.3	17	39706	1094	0.050	0.34	395	235	8386	0.70	4206	0.24	96	144	0.54	815	0.25	0.25	73	32
			Standard Deviation	33	6088	1.2	242	89	0.44	0.074	0.87	11041	0.064	19	264	20	17937	6.7	5.5	10129	712	-	0.23	134	282	6305	1.1E-16	1784	0.22	79	95	0.15	502	0.17	0.40	30	13
			75th Percentile	73	30000	1.9	450	160	0.54	0.090	1.0	40000	0.10	73	1200	51	47000	4.5	20	46000	1300	0.050	0.40	470	160	11000	0.70	4400	0.23	130	200	0.50	950	0.30	0.30	90	35
Komatiite North 0a) (V4A-WT-Pit Ore			**Minimum**	41	17000	< 0.8	680	44	0.17	< 0.09	< 1	9700	0.020	51	720	36	29000	0.61	9.0	26000	340	< 0.05	0.30	440	120	3900	< 0.7	4100	0.10	33	37	< 0.5	520	0.11	< 0.002	66	28
			Maximum	79	27000	3.4	1200	120	0.52	0.14	5.0	38000	0.040	76	1350	60	80000	3.0	19	30000	1800	0.050	0.50	1060	170	13000	0.70	4900	0.28	55	55	0.50	1100	0.41	0.062	76	39
			Median	60	22000	2.1	940	82	0.35	0.12	3.0	23850	0.030	64	1035	48	54500	1.8	14	28000	1070	0.050	0.40	750	145	8450	0.70	4500	0.19	44	46	0.50	810	0.26	0.032	71	34
			Average	60	22000	2.1	940	82	0.35	0.12	3.0	23850	0.030	64	1035	48	54500	1.8	14	28000	1070	0.050	0.40	750	145	8450	0.70	4500	0.19	44	46	0.50	810	0.26	0.032	71	34
			Standard Deviation	27	7071	1.8	368	54	0.25	0.035	2.8	20011	0.014	18	445	17	36062	1.7	7.1	2828	1032	-	0.14	438	35	6435	-	566	0.13	16	13	-	410	0.21	0.042	7.1	7.8
			75th Percentile	70	24500	2.8	1070	101	0.43	0.13	4.0	30925	0.035	70	1193	54	67250	2.4	17	29000	1435	0.050	0.45	905	158	10725	0.70	4700	0.24	50	51	0.50	955	0.34	0.047	74	36
Komatiite North 0a) (V4A-WT-Pit Waste			**Minimum**	5.0	11000	< 0.8	24	1.3	0.050	< 0.09	< 1	2700	0.030	11	57	5.1	20000	0.38	3.0	11000	450	< 0.05	< 0.1	27	63	74	< 0.7	1200	< 0.01	14	7.2	< 0.5	39	< 0.02	< 0.002	31	11
			Maximum	136	30000	3.5	2400	310	0.59	0.79	3.0	67000	0.50	89	1200	51	57000	19	31	56000	1660	0.050	2.0	1370	860	19000	0.70	11000	0.56	220	200	0.50	1900	0.66	1.7	86	97
			Median	14	15000	0.80	300	11	0.090	0.090	1.0	31000	0.070	57	720	20	26000	1.0	8.0	38000	670	0.050	0.10	340	110	1100	0.70	2900	0.10	32	72	0.50	140	0.030	0.0070	48	18
			Average	24	16789	1.2	448	51	0.15	0.13	1.3	31932	0.096	55	768	22	30421	3.1	11	37474	804	0.050	0.32	416	182	4286	0.70	4500	0.13	59	93	0.50	411	0.13	0.19	51	25
			Standard Deviation	31	5234	0.78	546	88	0.15	0.16	0.65	15352	0.11	21	252	13	10637	4.7	8.3	9477	340	1.4E-17	0.45	290	200	6080	2.3E-16	2952	0.12	63	50	-	533	0.18	0.44	16	20
			75th Percentile	28	20500	1.1	435	44	0.18	0.095	1.0	40000	0.090	70	910	32	35000	3.5	14	40500	980	0.050	0.30	455	145	4650	0.70	6850	0.13	67	125	0.50	485	0.15	0.028	62	27
Komatiite North 0a) (V4A-UG Waste			**Minimum**	24	17000	< 0.8	250	32	0.090	< 0.09	< 1	16000	0.030	53	560	5.0	31000	1.4	6.0	35000	790	< 0.05	< 0.1	290	75	3800	< 0.7	3300	0.020	41	45	< 0.5	240	0.11	< 0.002	55	25
			Maximum	65	22000	2.2	690	120	0.62	0.090	1.0	42000	0.19	70	1250	40	40000	4.2	14	45000	990	0.050	0.30	660	120	12000	0.70	7300	0.16	70	200	0.50	870	0.27	0.0020	75	32
			Median	43	18500	1.1	490	91	0.25	0.090	1.0	36500	0.10	57	860	18	34000	2.4	12	40000	875	0.050	0.15	400	106	6050	0.70	4200	0.075	57	135	0.50	695	0.20	0.0020	68	30
			Average	44	19000	1.3	480	83	0.30	0.090	1.0	32750	0.11	59	883	20	34750	2.6	11	40000	883	0.050	0.18	438	102	6975	0.70	4750	0.083	56	129	0.50	625	0.20	0.0020	67	29
			Standard Deviation	23	3782	0.62	175	49	0.23	-	-	10247	0.057	6.6	276	15	6611	1.3	4.7	3808	119	-	0.089	157	20	4440	-	1705	0.056	17	62	-	355	0.097	-	18	7.7
			75th Percentile	49	20500	1.6	540	104	0.39	0.090	1.0	40500	0.13	60	973	31	36250	3.0	13	42750	908	0.050	0.23	510	120	8625	0.70	5350	0.12	65	170	0.50	810	0.22	0.0020	73	31

Appendix F-5
Trace Element Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (Price, 1997)[3]				-	82300	0.20	1.8	425	3.0	0.0085	10	41500	0.15	25	102	60	56300	14	20	23300	950	0.085	1.2	84	1050	20850	0.050	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
Sample Identification[1]	Deposit Location[2]	MATERIAL	Rock Type (MODEL)	Fluoride	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
					µg/g																																
AMQ-ENV16-23	IVR	Ore	V4A-Ob	-	28000	1.3	180	83	0.23	< 0.09	1.0	42000	0.12	74	660	63	62000	2.2	16	32000	1800	-	0.40	310	180	9000	< 0.7	6100	0.28	63	57	< 0.5	930	0.21	0.022	96	55
AMQ-ENV16-17	IVR	Waste	V4A-Ob	-	32000	< 0.8	12	790	1.3	< 0.09	2.0	31000	0.10	26	480	46	63000	9.2	35	46000	950	-	0.70	170	980	26000	< 0.7	7200	0.32	230	100	1.0	2400	0.61	1.5	89	55
AMQ-ENV16-36	IVR	Waste	V4A-Ob	-	23000	< 0.8	2.6	230	0.70	< 0.09	< 1	25000	0.060	20	910	26	32000	3.2	28	35000	580	-	0.30	190	710	13000	< 0.7	3100	0.060	72	170	< 0.5	1200	0.52	0.94	35	27
AMQ-ENV16-31	IVR	Waste	V4A-Ob	-	18000	1.8	230	35	0.11	< 0.09	1.0	29000	0.060	57	860	25	26000	1.2	10	35000	560	-	0.10	420	120	3200	< 0.7	3100	0.10	67	250	< 0.5	290	0.090	< 0.002	47	19
AMQ-ENV17-44	IVR	Waste	V4A-Ob	96	20000	1.4	370	100	0.28	0.10	1.0	31000	0.12	66	980	36	32000	3.6	13	44000	960	< 0.05	0.20	490	74	6100	< 0.7	2000	0.11	110	170	< 0.5	720	0.20	0.48	77	23
AMQ-ENV16-16	IVR	Waste	V4A-Ob	-	18000	1.4	440	240	0.42	< 0.09	1.0	43000	0.080	41	790	20	26000	3.5	29	26000	700	-	0.60	410	750	13000	< 0.7	7100	0.090	150	200	< 0.5	1200	0.30	0.90	37	30
AMQ-ENV16-28	IVR	Waste	V4A-Ob	-	20000	< 0.8	190	250	0.87	0.10	< 1	33000	0.21	32	600	26	38000	16	20	41000	790	-	0.50	240	810	15000	< 0.7	4400	0.25	190	140	0.90	1500	0.52	1.1	57	37
AMQ-ENV17-47	IVR	Waste	V4A-Ob	62	20000	< 0.8	110	200	0.36	< 0.09	< 1	41000	0.070	43	1200	18	37000	2.9	17	48000	1100	< 0.05	0.30	280	490	8500	< 0.7	1600	0.060	84	360	< 0.5	980	0.33	0.45	70	25
AMQ-ENV17-37	IVR	Waste	V4A-Ob	81	23000	0.90	520	150	0.56	< 0.09	1.0	43000	0.10	56	1200	24	39000	1.8	19	53000	970	< 0.05	0.60	440	600	7200	< 0.7	2000	0.080	57	330	< 0.5	720	0.22	0.45	68	26
AMQ-ENV16-35	IVR	Waste	V4A-Ob	-	24000	< 0.8	140	270	0.88	< 0.09	< 1	29000	0.16	40	1000	11	42000	33	23	46000	730	-	0.60	250	1000	18000	< 0.7	3600	0.24	95	200	< 0.5	1600	0.76	0.84	60	34
AMQ-ENV16-37	IVR	Waste	V4A-Ob	-	18000	1.1	120	47	0.11	< 0.09	< 1	33000	0.060	42	730	22	29000	0.92	12	38000	760	-	0.10	250	98	2500	< 0.7	2800	0.070	49	210	< 0.5	270	0.080	< 0.002	47	19
AMQ-ENV15-020	WT - Pit	Ore	V4A-Ob	145	21000	< 0.8	79	350	0.67	0.10	3.0	13000	0.040	21	650	36	41000	5.6	19	31000	540	< 0.05	0.50	170	670	13000	< 0.7	3700	0.13	110	84	< 0.5	1400	0.46	0.53	57	32
AMQ-ENV15-137	WT - Pit	Ore	V4A-Ob	103	25000	< 0.8	340	160	0.62	< 0.09	3.0	30000	0.090	45	990	14	40000	1.8	18	50000	840	< 0.05	0.70	380	700	9900	< 0.7	3100	0.050	56	100	< 0.5	910	0.38	0.55	45	39
AMQ-ENV-02	WT - Pit	Ore	V4A-Ob	138	18000	< 0.8	160	97	0.70	< 0.09	< 1	38000	0.10	42	750	22	30000	4.5	13	37000	760	< 0.05	0.60	270	730	5000	< 0.7	6900	0.060	37	270	< 0.5	600	0.27	0.42	48	26
AMQ-ENV15-007	WT - Pit	Ore	V4A-Ob	170	24000	< 0.8	90	230	1.0	0.22	3.0	18000	0.14	19	360	46	71000	11	21	31000	910	< 0.05	2.6	130	770	17000	< 0.7	5800	0.43	280	190	0.60	1300	0.78	0.94	48	46
AMQ-ENV-52	WT - Pit	Ore	V4A-Ob	122	20000	< 0.8	740	130	0.79	1.4	4.0	13000	1.8	37	680	29	49000	15	18	30000	750	< 0.05	0.90	370	450	10000	0.90	1100	1.0	82	88	< 0.5	1100	0.31	0.48	48	180
AMQ-ENV15-033	WT - Pit	Ore	V4A-Ob	149	26000	< 0.8	80	500	0.94	< 0.09	< 1	27000	0.11	27	840	29	43000	4.6	21	48000	730	< 0.05	0.60	200	890	24000	< 0.7	2900	0.11	150	180	0.80	2000	0.81	0.65	75	40
AMQ-ENV15-095	WT - Pit	Ore	V4A-Ob	163	8300	< 0.8	170	82	0.40	0.26	3.0	9200	0.72	9.5	37	20	23000	7.5	7.0	4500	480	< 0.05	2.3	33	500	5300	< 0.7	5300	0.19	520	32	< 0.5	280	0.26	1.6	11	120
AMQ-ENV-119	WT - Pit	Waste	V4A-Ob	208	28000	< 0.8	40	540	0.40	< 0.09	1.0	24000	0.070	32	820	40	43000	7.3	19	39000	570	< 0.05	0.30	190	960	15000	< 0.7	12000	0.11	260	280	< 0.5	1900	0.33	0.70	81	48
AMQ-ENV-01	WT - Pit	Waste	V4A-Ob	130	27000	< 0.8	140	340	0.74	< 0.09	< 1	42000	0.12	37	710	26	46000	16	17	54000	870	< 0.05	0.70	270	800	18000	< 0.7	9200	0.10	100	240	0.70	1600	0.68	0.62	69	44
AMQ-ENV15-047	WT - Pit	Waste	V4A-Ob	119	28000	< 0.8	20	300	0.59	< 0.09	2.0	13000	0.030	31	1130	46	41000	4.2	29	48000	530	< 0.05	0.60	300	770	18000	< 0.7	9400	0.070	77	92	< 0.5	1800	0.70	0.63	69	35
AMQ-ENV15-136	WT - Pit	Waste	V4A-Ob	162	30000	< 0.8	17	590	1.0	< 0.09	5.0	9900	0.11	25	610	60	47000	1.4	27	45000	440	< 0.05	1.7	220	1300	29000	< 0.7	5100	0.080	190	28	0.60	2400	1.2	1.2	87	45
AMQ-ENV15-109	WT - Pit	Waste	V4A-Ob	102	24000	< 0.8	230	320	0.90	< 0.09	< 1	44000	0.12	40	830	33	42000	8.0	16	51000	920	< 0.05	0.50	310	840	18000	< 0.7	4100	0.050	110	260	0.70	1600	0.79	0.61	65	33
AMQ-ENV-10	WT - Pit	Waste	V4A-Ob	110	25000	< 0.8	89	270	0.74	< 0.09	3.0	32000	0.070	37	980	16	43000	3.2	21	55000	820	< 0.05	0.50	310	720	15000	< 0.7	10000	0.050	83	150	0.60	1500	0.59	0.54	60	37
AMQ-ENV-62	WT - Pit	Waste	V4A-Ob	150	31000	< 0.8	180	650	0.50	< 0.09	1.0	48000	0.23	36	770	24	55000	6.3	15	48000	1000	< 0.05	0.40	310	1100	20000	< 0.7	1400	0.040	160	340	< 0.5	2000	0.54	0.63	95	62
AMQ-ENV17-20	WT - Pit	Waste	V4A-Ob	144	30000	< 0.8	210	240	0.59	0.22	2.0	13000	0.030	52	1300	52	38000	9.3	25	45000	490	< 0.05	0.50	410	710	16000	< 0.7	4000	0.12	73	170	< 0.5	1600	0.64	0.89	72	36
AMQ-ENV15-076	WT - Pit	Waste	V4A-Ob	144	12000	1.0	170	160	0.62	0.39	7.0	18000	0.060	22	420	46	58000	9.7	18	23000	760	< 0.05	1.5	150	470	7000	0.80	3300	0.39	57	91	< 0.5	690	0.31	0.36	28	22
AMQ-ENV-68	WT - Pit	Waste	V4A-Ob	68	25000	< 0.8	480	210	0.62	< 0.09	1.0	42000	0.11	52	1100	20	44000	7.4	22	59000	970	< 0.05	0.70	450	680	8900	< 0.7	1400	0.080	64	380	0.50	930	0.31	0.52	64	35
AMQ-ENV17-51	UG	Waste	V4A-Ob	220	24000	< 0.8	16	680	0.16	< 0.09	< 1	5100	0.030	30	710	35	37000	1.0	15	30000	290	< 0.05	0.10	190	1100	15000	< 0.7	3200	0.050	300	47	< 0.5	1900	0.27	0.13	82	38
AMQ-ENV17-59	UG	Waste	V4A-Ob	222	28000	< 0.8	200	290	0.56	0.11	1.0	22000	0.11	42	890	22	40000	9.1	15	40000	570	< 0.05	0.80	270	950	15000	< 0.7	3700	0.11	300	150	0.50	1500	0.33	1.4	78	40
AMQ-ENV17-63	UG	Waste	V4A-Ob	105	21000	< 0.8	0.70	150	0.36	< 0.09	2.0	13000	< 0.02	25	980	6.4	31000	1.4	12	37000	440	< 0.05	< 0.1	280	620	5300	< 0.7	1200	0.010	94	190	< 0.5	480	0.16	0.96	48	23
Komatiite South 0b)	(V4A-IVR Waste		Minimum	-	18000	< 0.8	2.6	35	0.11	< 0.09	< 1	25000	0.060	20	480	11	26000	0.92	10	26000	560	< 0.05	0.10	170	74	2500	< 0.7	1600	0.060	49	100	< 0.5	270	0.080	< 0.002	35	19
			Maximum	96	32000	1.8	520	790	1.3	0.10	2.0	43000	0.21	66	1200	46	63000	33	35	53000	1100	0.050	0.70	490	1000	26000	0.70	7200	0.32	230	360	1.0	2400	0.76	1.5	89	55
			Median	81	20000	0.85	165	215	0.49	0.090	1.0	32000	0.090	42	885	25	34500	3.4	20	42500	775	0.050	0.40	265	655	10750	0.70	3100	0.095	90	200	0.50	1090	0.32	0.66	59	27
			Average	80	21600	1.1	213	231	0.56	0.092	1.1	33800	0.10	42	875	25	36400	7.5	21	41200	810	0.050	0.40	314	563	11250	0.70	3690	0.14	110	213	0.59	1088	0.36	0.67	59	30
			Standard Deviation	17	4274	0.36	177	214	0.38	0.0042	0.32	6339	0.050	14	236	9.7	10844	10	8.2	7871	179	8.5E-18	0.23	115	356	7266	1.2E-16	2001	0.095	61	81	0.19	647	0.23	0.48	18	11
			75th Percentile	89	23000	1.3	335	248	0.83	0.090	1.0	39000	0.12	53	995	26	38750	7.8	27	46000	958	0.050	0.60	418	795	14500	0.70	4200	0.21	140	240	0.50	1425	0.52	0.93	70	33
Komatiite South 0b)	(V4A-WT-Pit Ore		Minimum	103	8300	< 0.8	79	82	0.40	< 0.09	< 1	9200	0.040	9.5	37	14	23000	1.8	7.0	4500	480	< 0.05	0.50	33	450	5000	< 0.7	1100	0.050	37	32	< 0.5	280	0.26	0.42	11	26
			Maximum	170	26000	0.80	740	500	1.0	1.4	4.0	38000	1.8	45	990	46	71000	15	21	50000	910	0.050	2.6	380	890	24000	0.90	6900	1.0	520	270	0.80	2000	0.81	1.6	75	180
			Median	145	21000	0.80	160	160	0.70	0.10	3.0	18000	0.11	27	680	29	41000	5.6	18	31000	750	0.050	0.70	200	700	10000	0.70	3700	0.13	110	100	0.50	1100	0.38	0.55	48	40
			Average	141	20329	0.80	237	221	0.73	0.32	2.6	21171	0.43	29	615	28	42429	7.1	17	33071	716	0.050	1.2	222	673	12029	0.73	4114	0.28	176	135	0.56	1084	0.47	0.74	47	69
			Standard Deviation	23	6030	1.2E-16	240	153	0.20	0.48	1.1	10662	0.65	13	320	11	15274	4.5	5.1	15051	154	7.5E-18	0.89	127	153	6737	0.076	1990	0.34	172	82	0.11	562	0.23	0.42	19	58
			75th Percentile	156	24500	0.80	255	290	0.87	0.24	3.0	28500	0.43	40	795	33	46000	9.3	20	42500	800	0.050	1.6	320	750	15000	0.70	5550	0.31	215	185	0.55	1350	0.62	0.80	53	83
Komatiite South 0b)	(V4A-WT-Pit Waste		Minimum	68	12000	< 0.8	17	160	0.40	< 0.09	< 1	9900	0.030	22	420	16	38000	1.4	15	23000	440	< 0.05	0.30	150	470	7000	< 0.7	1400	0.040	57	28	< 0.5	690	0.31	0.36	28	22
			Maximum	208	31000	1.0	480	650	1.0	0.39	7.0	48000	0.23	52	1300	60	58000	16	29	59000	1000	0.050	1.7	450	1300	29000	0.80	12000	0.39	260	380	0.70	2400	1.2	1.2	95	62
			Median	137	27500	0.80	155	310	0.62	0.090	1.5	28000	0.090	37	825	37	43500	7.4	20	48000	790	0.050	0.55	305	785	17000	0.70	4600	0.080	92	205	0.50	1600	0.62	0.63	69	37
			Average	134	26000	0.82	158	362	0.67	0.13	2.4	28590	0.095	36	867	36	45700	7.3	21	46700	737	0.050	0.74	292	835	16490	0.71	5990	0.11	117	203	0.56	1602	0.61	0.67	69	40
			Standard Deviation	38	5457	0.063	137	170	0.18	0.099	2.1	14735	0.059	9.9	264	15	6255	4.1	4.8	10122	211	7.3E-18	0.47	92	234	6037	0.032	3827	0.10	66	115	0.084	496	0.27	0.23	18	11
			75th Percentile	149	29500	0.80	203	490	0.74	0.090	2.8	42000	0.12	39	1070	46	46750	9.0	24	53250	908	0.050	0.70	310	930	18000	0.70	9350	0.11	148	275	0.60	1875	0.70	0.68	79	45
Komatiite South 0b)	(V4A-UG Waste		Minimum	105	21000	< 0.8	0.70	150	0.16	< 0.09	< 1	5100	0.020	25	710	6.4	31000	1.0	12	30000	290	< 0.05	0.10	190	620	5300	< 0.7	1200	0.010	94	47	< 0.5	480	0.16	0.13	48	23
			Maximum	222	28000	0.80	200	680	0.56	0.11	2.0	22000	0.11	42	980	35	40000	9.1	15	40000	570	0.050	0.80	280	1100	15000	0.70	3700	0.11	300	190	0.50	1900	0.33	1.4	82	40
			Median	220	24000	0.80	16	290	0.36	0.090	1.0	13000	0.030	30	890	22	37000	1.4	15	37000	440	0.050	0.10	270	950	15000	0.70	3200	0.050	300	150	0.50	1500	0.27	0.96	78	38
			Average	182	24333	0.80	72	373	0.36	0.097	1.3	13367	0.053	32	860	21	36000	3.8	14	35667	433	0.050	0.33	247	890	11767	0.70	2700	0.057	231	129	0.50	1293	0.25	0.83	69	34
			Standard Deviation	67	3512	1.4E-16	111	275	0.20	0.012	0.58	8456	0.049	8.7	137	14	4583	4.6	1.7	5132	140	8.5E-18	0.40	49	246	5600	1.4E-16	1323	0.050	119	74	-	732	0.086	0.64	19	9.3
			75th Percentile	221	26000	0.80	108	485	0.46	0.10	1.5	17500	0.070	36	935	29	38500	5.3	15	38500	505	0.050	0.45	275	1025	15000	0.70	3450	0.080	300	170	0.50	1700	0.30	1.2	80	39
AMQ-ENV-54	WT - Pit	Ore	S10_03/V4A-0b	171	17000	< 0.8	310	78	0.77	0.54	9.0	2900	0.060	12	120	37	96000	9.9	18	11000	1100	< 0.05	4.9	34	470	6800	1.3	1700	0.59	250	4.7	< 0.5	570	0.49	0.83	22	33
AMQ-ENV16-20	IVR	Waste	S3N/S10_contact	-	23000	1.5	81	84	0.44	0.14	4.0	16000	0.14	19	76	39	46000	11	22	14000	700	-	1.6	64	650	6400	< 0.7	5400	0.30	87	40	< 0.5	810	0.32	2.3	51	73
AMQ-ENV16-42	WT - Pit	Waste	S10_Contact	-	14000	< 0.8	90	68	0.22	0.13	1.0	14000	0.20	11	22	31	30000	17	12	7500	390	-	2.0	24	540	6700	< 0.7	3300	0.22	230	32	< 0.5	720	0.35	2.7	21	52
AMQ-ENV15-113	UG	Waste	S10_01/S3C	198	17000	< 0.8	93	120	0.31	0.40	3.0	7400	0.19	12	30	30	31000	20	14	9700	490	< 0.05	2.3	30	620	13000	< 0.7	7000	0.31	660	23	< 0.5	1000	0.62	2.2	27	67
AMQ-ENV16-58	IVR	Waste	V4A-0a/V3-1a	-	22000	< 0.8	32	58	0.19	< 0.09	2.0	23000	0.090	32	140	61	39000	1.4	26	17000	850	-	0.20	61	230	8300	< 0.7	4500	0.67	180	22	< 0.5	1200	0.16	0.022	90	46
AMQ-ENV17-56	UG	Waste	V4A-0b/S10_03	124	13000	1.0	420	65	0.48	0.28	2.0	23000	0.16	7.8	55	29	67000	4.7	8.0	7100	1100	< 0.05	1.7	27	300	6200	0.80	3100	0.59	300	84	< 0.5	580	0.36	0.34	20	50
AMQ-ENV15-133	WT - Pit	Waste	S10_03/S3C	107	14000	1.5	970	23	0.40	< 0.09	19	5000	0.10	4.7	100	22	98000	9.3	6.0	7800	1900	< 0.05	4.7	25	610	3800	< 0.7	4400	0.76	85	8.3	1.6	310	0.070	0.65	21	31
AMQ-ENV15-144	UG	Ore	S9E/S10_01	106	15000	4.1	1100	84	0.31	0.43	2.0	18000	4.1	50	650	50	77000	45	13	9100	1700	< 0.05	1.4	580	260	9000	1.0	3200	1.1	200	38	< 0.5	860	0.33	1.1	26	150
AMQ-ENV15-134	WT - Pit	Ore	S3C/S10_01	170	12000	2.0	290	32	0.72	< 0.09	6.0	4300	1.1	4.3	94	19	100000	19	8.0	6200	1600	< 0.05	2.8	37	940	6300	< 0.7	4500	0.81	65	9.8	0.80	360	0.11	1.0	11	110
AMQ-ENV15-035	WT - Pit	Waste	S9E/S10_03/V4A-0b	56	8900	1.7	320	17	0.10	0.12	1.0	11000	< 0.02	47	820	47	150000	0.81	8.0	5700	1300	< 0.05	0.50	620	70	2800	< 0.7	4000	0.18	200	8.2	< 0.5	350	0.17	0.072	45	19
AMQ-ENV15-062	UG	Waste	V4A-0a/S9E	10	15000	< 0.8	510	6.7	0.10	< 0.09	< 1	43000	0.13	51	690	13	30000	1.4	5.0	48000	880	< 0.05	0.20	390	89	720	< 0.7	3900	0.060	45	120	< 0.5	110	0.030	< 0.002	43	17
AMQ-ENV15-072	UG	Waste	S10_03/V4A-0b/V3-1b	200	34000	< 0.8	280	440	0.83	< 0.09	1.0	8700	0.040	41	980	2.2	43000	2.7	22	49000	470	< 0.05	0.90	360	920	27000	< 0.7	9700	0.030	210	82	< 0.5	2000	0.89	1.1	64	51
AMQ-ENV15-058	WT - Pit	Waste	S10_01/S3C	176	16000	< 0.8	110	74	0.57	0.27	10	4300	0.050	6.6	79	19	58000	6.4	14	8500	880	< 0.05	5.0	19	530	8600	< 0.7	8400	0.23	380	14	< 0.5	380	0.37	2.9	12	32
AMQ-ENV16-19	IVR	Waste	S3N/S10_contact	-	26000	1.9	38	310	0.11	< 0.09	1.0	29000	0.10	41	130	130	47000	1.2	24	19000	1500	-	0.30	98	260	7000	< 0.7	5800	0.19	270	18	< 0.5	1300	0.25	0.021	110	57
AMQ-ENV16-22	IVR	Waste	V3-1b/V4A-0a	-	28000	1.0	79	170	0.23	0.11	2.0	21000	0.12	36	110	88	79000	11	27	23000	780	-	1.2	77	310	14000	1.0	6800	1.2	170	27	< 0.5	1100	0.32	0.10	110	53
AMQ-ENV16-Field Cell-UM	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	79	12000	2.6	550	110	0.24	0.090	< 1	24000	0.070	58	580	26	24000	5.6	12	27000	680	< 0.05	0.20	440	220	8300	< 0.7	4900	0.15	120	94	< 0.5	650	0.25	0.084	35	20
AMQ-ENV16-Field Cell-UM Duplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	76	13000	2.5	470	110	0.25	< 0.09	< 1	26000	0.11	56	620	36	25000	2.8	14	26000	660	< 0.05	0.40	410	230	9100	< 0.7	4200	0.18	120	100	< 0.5	710	0.27	0.10	41	32
AMQ-ENV16-Field Cell-UM Triplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	77	13000	2.5	530	150	0.29	< 0.09	< 1	22000	0.060	58	640	39	26000	2.2	16	27000	610	< 0.05	0.20	450	290	9700	< 0.7	4900	0.19	130	100	< 0.5	750	0.28	0.099	42	21
AMQ-ENV16-Field Cell-IF	WT - Pit	Waste	S9E/V4A-0a	99	17000	6.5	950	120	0.20	< 0.09	< 1	17000	0.040	68	1100	74	85000	1.0	24	14000	1400	< 0.05	0.30	910	260	13000	< 0.7	8000	0.23	230	31	< 0.5	1000	0.31	0.034	46	31
AMQ-ENV16-Field Cell-IF Duplicate	WT - Pit	Waste	S9E/V4A-0a	99	14000	7.5	930	120	0.13	0.090	< 1	19000	0.050	65	830	70	79000	1.5	17	14000	1300	< 0.05	0.30	960	300	10000	0.70	7000	0.29	230	37	< 0.5	890	0.31	0.035	41	26
AMQ-ENV16-Field Cell-IF Triplicate	WT - Pit	Waste	S9E/V4A-0a	97	15000	7.6	970	83	0.14	0.090	< 1	17000	0.050	68	920	38	75000	1.0	19	12000	1400	< 0.05	0.30	910	170	8400	< 0.7	7500	0.26	260	30	< 0.5	790	0.25	0.049	43	30
C1	WT - Pit	Waste	S9E/V4A-0a	42	14000	2.1	670	34	0.13	< 0.09	2.0	26000	0.050	60	860	23	32000	1.3	9.0	29000	940	< 0.05	0.30	680	110	3100	< 0.7	1100	0.14	35	64

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV17-32	IVR	Ore	V3-1a	47	13	12	8.6	9.6	0.86	1.9	0.80	0.070	0.37	0.060	0.050	6.5	100
AMQ-ENV17-34	IVR	Ore	V3-1a	47	14	12	4.4	7.6	2.3	1.7	0.88	0.060	0.36	0.090	0.060	8.8	99
AMQ-ENV17-80	IVR	Ore	V3-1a	49	11	7.9	7.9	6.8	1.9	7.1	1.3	1.6	0.13	0.040	0.030	3.1	98
AMQ-ENV16-13	IVR	Waste	V3-1a	47	17	12	4.3	11	2.3	1.3	1.0	0.080	0.47	0.020	0.070	3.6	101
AMQ-ENV16-14	IVR	Waste	V3-1a	43	14	20	5.6	12	0.67	1.2	0.77	0.070	0.89	0.24	0.040	3.6	101
AMQ-ENV16-18	IVR	Waste	V3-1a	44	13	18	5.8	13	1.0	1.1	0.83	0.060	0.76	0.18	0.060	4.1	101
AMQ-ENV16-41	IVR	Waste	V3-1a	52	14	13	5.2	8.1	1.4	0.82	0.82	0.070	0.39	0.030	0.040	4.2	100
AMQ-ENV16-52	IVR	Waste	V3-1a	50	14	13	7.4	9.3	1.7	0.87	0.92	0.070	0.26	0.040	0.060	3.6	101
AMQ-ENV16-53	IVR	Waste	V3-1a	52	6.7	15	10	7.8	0.12	0.82	0.36	0.040	0.46	0.33	0.040	4.3	98
AMQ-ENV16-54	IVR	Waste	V3-1a	55	11	11	5.1	6.1	1.6	1.8	0.62	0.070	0.30	0.060	0.040	5.4	98
AMQ-ENV16-56	IVR	Waste	V3-1a	56	5.1	9.4	13	8.7	0.070	2.2	0.22	0.010	0.28	0.20	0.020	4.6	100
AMQ-ENV16-57	IVR	Waste	V3-1a	50	14	14	6.6	9.3	1.2	1.4	0.82	0.060	0.38	0.040	0.060	3.6	100
AMQ-ENV16-60	IVR	Waste	V3-1a	46	17	13	5.1	8.6	2.1	2.1	0.99	0.080	0.48	0.020	0.060	5.9	101
AMQ-ENV16-61	IVR	Waste	V3-1a	51	9.6	9.0	13	4.6	2.7	2.6	0.50	0.20	0.13	0.19	0.030	7.7	101
AMQ-ENV16-62	IVR	Waste	V3-1a	52	12	12	6.8	10	1.5	0.67	0.70	0.050	0.29	0.040	0.040	3.3	100
AMQ-ENV17-33	IVR	Waste	V3-1a	45	14	12	5.7	11	1.6	0.86	0.81	0.060	0.41	0.040	0.060	8.1	100
AMQ-ENV17-35	IVR	Waste	V3-1a	46	16	15	6.3	10	0.95	2.0	0.95	0.070	0.49	0.040	0.060	2.3	100
AMQ-ENV17-36	IVR	Waste	V3-1a	46	14	14	5.9	10	1.5	1.0	0.80	0.060	0.55	0.060	0.050	5.7	100
AMQ-ENV17-41	IVR	Waste	V3-1a	51	13	12	6.4	9.5	1.3	1.6	0.86	0.070	0.29	0.040	0.060	3.8	100
AMQ-ENV17-42	IVR	Waste	V3-1a	46	14	13	7.9	8.3	1.6	1.1	0.88	0.060	0.26	0.020	0.050	6.5	100
AMQ-ENV17-45	IVR	Waste	V3-1a	51	14	8.4	6.8	13	2.3	0.66	0.69	0.070	0.27	0.080	0.060	2.9	100
AMQ-ENV17-77	IVR	Waste	V3-1a	42	6.7	10	25	4.8	0.090	0.050	0.32	0.030	0.16	0.39	0.030	11	100
AMQ-ENV17-78	IVR	Waste	V3-1a	47	15	14	6.0	11	2.0	0.65	0.84	0.060	0.51	0.10	0.050	3.0	100
Basalts North (V3N-1a) IVR Ore			**Minimum**	47	11	7.9	4.4	6.8	0.86	1.7	0.80	0.060	0.13	0.040	0.030	3.1	98
			Maximum	49	14	12	8.6	9.6	2.3	7.1	1.3	1.6	0.37	0.090	0.060	8.8	100
			Median	47	13	12	7.9	7.6	1.9	1.9	0.88	0.070	0.36	0.060	0.050	6.5	99
			Average	48	13	10	6.9	8.0	1.7	3.6	0.98	0.56	0.29	0.063	0.047	6.1	99
			Standard Deviation	1.3	1.3	2.1	2.2	1.4	0.75	3.1	0.25	0.86	0.14	0.025	0.015	2.9	0.89
			75th Percentile	48	13	12	8.2	8.6	2.1	4.5	1.1	0.81	0.37	0.075	0.055	7.7	99
Basalts North (V3N-1a) IVR Waste			**Minimum**	42	5.1	8.4	4.3	4.6	0.070	0.050	0.22	0.010	0.13	0.020	0.020	2.3	98
			Maximum	56	17	20	25	13	2.7	2.6	1.0	0.20	0.89	0.39	0.070	11	101
			Median	48	14	13	6.4	9.4	1.5	1.1	0.82	0.065	0.39	0.050	0.050	4.1	100
			Average	49	13	13	7.9	9.4	1.4	1.2	0.74	0.067	0.40	0.11	0.049	4.8	100
			Standard Deviation	4.0	3.3	2.7	4.7	2.3	0.74	0.64	0.22	0.036	0.19	0.11	0.013	2.1	0.72
			75th Percentile	51	14	14	7.5	11	1.7	1.6	0.87	0.070	0.48	0.18	0.060	5.7	101

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV17-39	IVR	Waste	V3-1b	52	11	9.9	12	5.0	2.4	3.2	0.62	0.25	0.14	0.18	0.030	2.3	100
AMQ-ENV16-01	WT - Pit	Waste	V3-1b	52	9.7	11	13	6.9	0.95	2.9	0.66	0.28	0.19	0.16	0.020	3.2	100
AMQ-ENV-07	WT - Pit	Waste	V3-1b	48	11	8.2	9.5	7.2	0.62	7.2	1.6	1.9	0.15	0.080	0.030	4.1	100
AMQ-ENV16-06	WT - Pit	Waste	V3-1b	61	14	7.3	5.4	2.1	2.8	3.9	0.54	0.18	0.080	0.070	< 0.01	2.7	100
AMQ-ENV15-006	WT - Pit	Waste	V3-1b	47	8.8	10	19	4.6	0.94	2.6	0.47	0.23	0.15	0.24	0.020	6.0	100
AMQ-ENV-08	WT - Pit	Waste	V3-1b	48	10	9.4	13	7.6	1.2	4.8	1.1	1.2	0.14	0.13	0.030	2.5	99
AMQ-ENV15-004	WT - Pit	Waste	V3-1b	54	11	9.2	13	4.8	2.1	3.1	0.56	0.24	0.15	0.18	0.030	3.5	101
AMQ-ENV16-02	WT - Pit	Waste	V3-1b	59	13	7.7	6.5	2.9	2.5	3.8	0.56	0.20	0.11	0.080	0.010	3.2	100
AMQ-ENV15-024	WT - Pit	Waste	V3-1b	54	11	8.4	10	5.9	2.2	2.9	0.58	0.28	0.15	0.14	0.010	3.1	99
AMQ-ENV15-094	WT - Pit	Waste	V3-1b	48	9.8	11	14	7.5	1.3	2.0	0.62	0.32	0.20	0.18	0.020	4.9	100
AMQ-ENV15-005	WT - Pit	Waste	V3-1b	46	7.4	10	21	4.4	0.19	2.2	0.43	0.20	0.16	0.27	0.020	6.8	99
AMQ-ENV-09	WT - Pit	Waste	V3-1b	50	9.4	9.1	17	4.6	1.6	3.4	0.48	0.24	0.15	0.21	0.020	4.5	101
AMQ-ENV16-04	WT - Pit	Waste	V3-1b	48	9.3	10	16	5.5	0.72	2.1	0.60	0.25	0.16	0.20	0.020	7.7	100
AMQ-ENV15-022	WT - Pit	Waste	V3-1b	51	9.8	10.0	14	6.2	1.5	3.2	0.69	0.43	0.16	0.19	0.030	4.2	101
AMQ-ENV15-013	WT - Pit	Waste	V3-1b	51	9.6	9.4	15	4.6	2.1	2.8	0.54	0.24	0.14	0.19	0.030	3.9	99
AMQ-ENV-63	WT - Pit	Waste	V3-1b	54	12	8.8	8.6	4.8	2.8	2.6	0.67	0.28	0.14	0.10	0.030	4.8	100
AMQ-ENV16-03	WT - Pit	Waste	V3-1b	52	11	10	11	6.0	1.9	3.3	0.75	0.31	0.17	0.15	0.030	2.7	100
AMQ-ENV15-001	WT - Pit	Waste	V3-1b	59	13	7.8	6.8	2.6	2.5	3.8	0.54	0.20	0.10	0.11	0.010	2.9	99
AMQ-ENV15-104	WT - Pit	Waste	V3-1b	48	9.1	10	17	5.6	1.0	2.3	0.53	0.24	0.16	0.27	0.020	4.8	99
AMQ-ENV16-12	WT - Pit	Waste	V3-1b	55	11	9.4	9.8	5.3	2.3	1.9	0.63	0.22	0.18	0.13	0.030	3.5	100
AMQ-ENV-50	WT - Pit	Waste	V3-1b	51	13	10	8.8	4.3	2.8	2.2	0.79	0.30	0.14	0.10	0.030	5.5	99
AMQ-ENV16-07	WT - Pit	Waste	V3-1b	49	10	11	12	7.4	1.8	2.5	0.74	0.31	0.20	0.14	0.020	4.6	100
AMQ-ENV16-11	WT - Pit	Waste	V3-1b	50	9.9	9.3	14	6.0	1.6	3.2	0.61	0.24	0.14	0.25	0.030	5.2	100
AMQ-ENV16-09	WT - Pit	Waste	V3-1b	55	10	8.7	11	5.1	1.8	3.1	0.54	0.24	0.14	0.18	0.020	3.5	100
AMQ-ENV16-10	WT - Pit	Waste	V3-1b	51	8.4	9.4	17	5.6	1.1	2.1	0.47	0.21	0.16	0.20	0.020	4.8	100
AMQ-ENV16-08	WT - Pit	Waste	V3-1b	52	11	9.8	11	6.2	1.9	2.3	0.63	0.25	0.18	0.15	0.030	4.4	99
AMQ-ENV-118	WT - Pit	Waste	V3-1b	49	9.4	10	14	6.5	1.5	2.0	0.57	0.23	0.16	0.22	0.020	4.4	99
AMQ-ENV-61	WT - Pit	Waste	V3-1b	50	8.5	9.5	15	5.9	1.1	2.7	0.48	0.19	0.16	0.21	0.020	6.0	99
AMQ-ENV-51	WT - Pit	Waste	V3-1b	52	9.1	9.7	15	6.1	1.4	1.6	0.51	0.21	0.16	0.20	0.020	4.3	100
AMQ-ENV-113	WT - Pit	Waste	V3-1b	54	12	9.1	9.3	4.3	2.4	2.6	0.61	0.23	0.13	0.13	0.030	3.9	99
AMQ-RMP-12	UG	Waste	V3-1b	39	11	26	7.6	7.6	0.89	0.81	3.2	1.1	0.30	0.040	0.080	2.6	100
AMQ-RMP-11	UG	Waste	V3-1b	43	15	18	5.7	6.9	2.4	1.3	2.5	0.81	0.23	0.020	0.070	2.9	99
AMQ-ENV17-61	UG	Waste	V3-1b	49	11	11	14	7.2	1.7	2.3	0.74	0.41	0.20	0.15	0.030	2.8	100
AMQ-ENV15-052	UG	Waste	V3-1b	47	9.1	11	14	6.2	0.13	2.4	0.67	0.27	0.19	0.20	0.020	7.4	99
AMQ-ENV15-044	UG	Waste	V3-1b	47	8.4	12	15	8.8	0.83	1.5	0.66	0.25	0.25	0.19	0.020	4.6	100
AMQ-ENV17-48	UG	Waste	V3-1b	53	11	9.5	11	5.3	2.2	2.2	0.60	0.22	0.13	0.17	0.030	4.3	100
AMQ-ENV17-60	UG	Waste	V3-1b	54	12	10.0	9.2	5.2	2.6	2.3	0.70	0.24	0.16	0.12	0.020	3.4	99
AMQ-ENV17-53	UG	Waste	V3-1b	57	15	9.1	5.1	3.0	4.7	1.8	0.77	0.23	0.11	0.060	0.030	3.4	100
AMQ-ENV15-050	UG	Waste	V3-1b	50	10	9.9	13	5.9	1.2	2.3	0.54	0.16	0.19	0.19	0.020	5.7	99
AMQ-ENV17-28	UG	Waste	V3-1b	56	17	9.1	4.5	2.7	4.6	2.9	0.76	0.21	0.12	0.040	0.030	2.0	99
AMQ-ENV17-52	UG	Waste	V3-1b	50	10.0	10	13	7.5	1.8	2.5	0.66	0.33	0.17	0.17	0.020	2.7	100
AMQ-ENV15-070	UG	Waste	V3-1b	51	10	10.0	14	4.9	1.2	3.3	0.57	0.24	0.16	0.19	0.030	4.6	100
AMQ-ENV17-27	UG	Waste	V3-1b	47	8.5	12	16	8.0	0.73	2.4	0.71	0.29	0.24	0.23	0.040	3.5	100
AMQ-ENV17-54	UG	Waste	V3-1b	46	8.7	13	17	7.8	0.46	2.0	0.71	0.29	0.25	0.24	0.030	4.1	100
Basalts South (V3S-1b) WT-Pit Waste			**Minimum**	46	7.4	7.3	5.4	2.1	0.19	1.6	0.43	0.18	0.080	0.070	< 0.01	2.5	99
			Maximum	61	14	11	21	7.6	2.8	7.2	1.6	1.9	0.20	0.27	0.030	7.7	101
			Median	51	10	9.4	13	5.6	1.6	2.7	0.58	0.24	0.15	0.18	0.020	4.3	100
			Average	52	10	9.5	13	5.4	1.7	2.9	0.64	0.34	0.15	0.17	0.023	4.3	100
			Standard Deviation	3.7	1.6	0.93	3.7	1.4	0.70	1.1	0.23	0.35	0.026	0.056	0.0070	1.3	0.62
			75th Percentile	54	11	10	15	6.2	2.2	3.2	0.66	0.28	0.16	0.20	0.030	4.8	100
Basalts South (V3S-1b) UG Waste			**Minimum**	39	8.4	9.1	4.5	2.7	0.13	0.81	0.54	0.16	0.11	0.020	0.020	2.0	99
			Maximum	57	17	26	17	8.8	4.7	3.3	3.2	1.1	0.30	0.24	0.080	7.4	100
			Median	49	10	11	13	6.6	1.5	2.3	0.71	0.26	0.19	0.17	0.030	3.5	100
			Average	49	11	12	11	6.2	1.8	2.2	0.99	0.36	0.19	0.14	0.034	3.8	100
			Standard Deviation	4.7	2.6	4.7	4.2	1.8	1.4	0.65	0.80	0.26	0.056	0.074	0.019	1.4	0.29
			75th Percentile	52	12	12	14	7.6	2.4	2.4	0.76	0.32	0.24	0.19	0.030	4.5	100

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Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV-34	WT - Pit	Ore	S10_03	66	7.1	16	2.4	1.2	0.12	2.7	0.20	0.12	0.17	< 0.01	< 0.01	3.8	100
AMQ-ENV15-073	WT - Pit	Ore	S10_03	68	15	5.9	1.8	1.4	2.1	3.4	0.32	0.090	0.11	< 0.01	< 0.01	2.1	99
AMQ-ENV15-138	WT - Pit	Ore	S10_03	73	2.7	15	1.6	1.9	0.040	0.63	0.060	0.10	0.23	0.030	< 0.01	3.9	99
AMQ-ENV15-139	WT - Pit	Ore	S10_03	63	5.4	22	2.7	1.9	0.12	1.4	0.14	0.20	0.38	0.020	< 0.01	3.1	100
AMQ-ENV17-21	WT - Pit	Ore	S10_03	63	8.6	15	1.9	2.6	1.9	1.9	0.29	0.20	0.35	< 0.01	0.010	2.1	98
AMQ-ENV15-009	WT - Pit	Ore	S10_03	76	1.4	15	2.0	1.7	0.10	0.36	0.040	0.13	0.36	0.050	< 0.01	2.2	99
AMQ-ENV15-025	WT - Pit	Ore	S10_03	65	3.3	18	2.9	3.8	0.18	1.2	0.090	0.12	0.28	< 0.01	< 0.01	3.1	98
AMQ-ENV17-19	WT - Pit	Ore	S10_03	64	17	5.2	1.8	2.1	3.7	3.6	0.48	0.18	0.080	0.020	0.020	1.8	100
AMQ-ENV-40	WT - Pit	Waste	S10_03	75	4.2	14	1.8	1.6	0.25	0.91	0.11	0.10	0.36	< 0.01	< 0.01	2.4	101
AMQ-ENV15-037	WT - Pit	Waste	S10_03	77	4.0	10	1.3	0.17	0.050	1.2	0.080	0.080	0.20	< 0.01	< 0.01	4.5	99
AMQ-ENV15-091	WT - Pit	Waste	S10_03	71	7.7	12	1.8	0.73	0.52	2.0	0.16	0.13	0.22	0.050	< 0.01	3.4	100
AMQ-ENV15-054	WT - Pit	Waste	S10_01	64	11	9.7	1.9	1.5	1.3	3.1	0.34	0.18	0.21	< 0.01	< 0.01	5.0	99
AMQ-ENV15-088	WT - Pit	Waste	S10_03	66	5.1	18	1.9	1.3	0.21	1.0	0.13	0.080	0.29	< 0.01	0.010	4.2	99
AMQ-ENV15-019	WT - Pit	Waste	S10_03	61	6.4	20	3.2	2.2	0.36	1.6	0.14	0.10	0.40	0.050	< 0.01	4.4	99
AMQ-ENV15-092	WT - Pit	Waste	S10_01	66	2.3	20	2.9	1.8	0.11	0.66	0.080	0.040	0.84	0.030	< 0.01	3.9	98
AMQ-ENV15-046	WT - Pit	Waste	S10_03	66	2.5	21	2.6	1.6	0.080	0.63	0.060	0.12	0.27	< 0.01	< 0.01	3.6	98
AMQ-ENV15-008	WT - Pit	Waste	S10_03	74	3.8	13	1.4	1.4	0.070	0.69	0.10	0.080	0.25	0.060	< 0.01	3.7	99
AMQ-ENV-48	WT - Pit	Waste	S10_03	62	2.9	23	2.9	1.3	0.19	0.68	0.080	0.080	0.63	0.030	< 0.01	5.1	98
AMQ-ENV15-048	WT - Pit	Waste	S10_03	60	14	12	2.4	2.5	0.88	3.5	0.28	0.13	0.19	< 0.01	< 0.01	3.8	99
AMQ-ENV15-096	WT - Pit	Waste	S10_03	61	9.9	16	2.1	2.1	0.58	2.6	0.33	0.14	0.22	< 0.01	< 0.01	3.5	98
AMQ-ENV-53	WT - Pit	Waste	S10_03	71	14	3.3	1.0	1.8	2.4	3.5	0.31	0.090	0.10	< 0.01	< 0.01	2.5	100
AMQ-ENV15-141	WT - Pit	Waste	S10_03	68	4.3	19	2.2	2.4	0.22	0.97	0.12	0.14	0.37	0.020	< 0.01	2.6	100
AMQ-ENV15-061	WT - Pit	Waste	S10_03	64	15	7.2	2.2	2.4	2.4	3.0	0.47	0.17	0.090	0.020	< 0.01	3.1	100
AMQ-ENV15-043	UG	Ore	S10_03	78	2.3	11	1.2	1.3	0.10	0.49	0.060	0.030	0.26	0.050	< 0.01	4.2	99
AMQ-ENV15-115	UG	Waste	S10_03	71	2.1	18	1.9	2.2	0.17	0.54	0.060	0.15	0.26	0.020	< 0.01	2.8	100
AMQ-ENV15-067	UG	Waste	S10_03	68	1.7	16	1.9	3.5	0.15	0.40	0.050	0.16	0.45	0.030	< 0.01	5.9	98
Chert Central (S10) WT-Pit Ore			**Minimum**	63	1.4	5.2	1.6	1.2	0.040	0.36	0.040	0.090	0.080	< 0.01	< 0.01	1.8	98
			Maximum	76	17	22	2.9	3.8	3.7	3.6	0.48	0.20	0.38	0.050	0.020	3.9	100
			Median	65	6.2	15	1.9	1.9	0.15	1.7	0.17	0.13	0.26	0.015	0.010	2.6	99
			Average	67	7.5	14	2.1	2.1	1.0	1.9	0.20	0.14	0.25	0.020	0.011	2.8	99
			Standard Deviation	5.0	5.6	5.6	0.46	0.84	1.4	1.2	0.15	0.044	0.12	0.014	0.0035	0.82	0.77
			75th Percentile	69	10	16	2.5	2.2	1.9	2.8	0.30	0.19	0.35	0.023	0.010	3.3	100
Chert Central (S10) WT-Pit Waste			**Minimum**	60	2.3	3.3	1.0	0.17	0.050	0.63	0.060	0.040	0.090	< 0.01	< 0.01	2.4	98
			Maximum	77	15	23	3.2	2.5	2.4	3.5	0.47	0.18	0.84	0.060	0.010	5.1	101
			Median	66	5.1	14	2.1	1.6	0.25	1.2	0.13	0.10	0.25	0.010	0.010	3.7	99
			Average	67	7.1	14	2.1	1.6	0.65	1.7	0.19	0.11	0.31	0.023	0.010	3.7	99
			Standard Deviation	5.4	4.5	5.5	0.63	0.64	0.80	1.1	0.13	0.038	0.20	0.018	-	0.85	0.71
			75th Percentile	71	11	19	2.5	2.1	0.73	2.8	0.30	0.14	0.37	0.030	0.010	4.3	100
Chert Central (S10) UG Waste			**Minimum**	68	1.7	16	1.9	2.2	0.15	0.40	0.050	0.15	0.26	0.020	< 0.01	2.8	98
			Maximum	71	2.1	18	1.9	3.5	0.17	0.54	0.060	0.16	0.45	0.030	0.010	5.9	100
			Median	69	1.9	17	1.9	2.8	0.16	0.47	0.055	0.16	0.36	0.025	0.010	4.4	99
			Average	69	1.9	17	1.9	2.8	0.16	0.47	0.055	0.16	0.36	0.025	0.010	4.4	99
			Standard Deviation	2.3	0.25	1.5	0.021	0.93	0.014	0.099	0.0071	0.0071	0.13	0.0071	-	2.2	0.85
			75th Percentile	70	2.0	18	1.9	3.2	0.17	0.51	0.058	0.16	0.40	0.028	0.010	5.1	99
AMQ-ENV15-100	WT - Pit	Waste	I2S	53	17	12	4.0	1.7	2.6	4.5	1.1	0.33	0.11	< 0.01	0.020	3.6	99
AMQ-ENV15-077	WT - Pit	Waste	I2S	58	15	8.9	2.5	4.1	3.3	2.6	0.87	0.26	0.12	0.020	< 0.01	3.7	100
AMQ-ENV-114	WT - Pit	Waste	I2S	59	16	9.1	3.2	2.7	3.2	3.7	0.98	0.32	0.12	0.020	< 0.01	2.0	100
AMQ-ENV15-002	WT - Pit	Waste	I2S	61	15	9.1	2.8	2.7	3.2	2.5	0.93	0.29	0.11	0.020	0.020	2.8	100
AMQ-ENV17-23	WT - Pit	Waste	I2S	62	15	8.5	2.5	3.8	3.0	3.0	0.90	0.26	0.080	0.020	0.020	1.4	100
AMQ-ENV17-30	WT - Pit	Waste	I2S	62	15	8.5	2.4	4.5	3.2	2.9	0.86	0.26	0.11	0.020	0.020	1.5	101
AMQ-ENV15-078	WT - Pit	Waste	I2S	58	15	9.3	3.0	3.8	3.3	2.3	1.1	0.33	0.12	0.020	0.010	3.5	99
AMQ-ENV17-22	WT - Pit	Waste	I2S	56	15	12	3.4	4.9	2.8	2.3	1.3	0.41	0.15	0.020	0.030	2.6	100
AMQ-ENV-65	WT - Pit	Waste	I2S	57	15	9.6	3.2	5.1	3.2	2.0	0.98	0.36	0.13	0.030	0.030	3.1	100
AMQ-ENV17-24	WT - Pit	Waste	I2S	62	15	8.4	2.3	3.0	3.0	3.1	0.92	0.28	0.11	0.020	0.020	2.1	100
AMQ-ENV17-16	WT - Pit	Waste	I2S	59	15	8.8	3.1	3.4	3.0	3.5	0.96	0.32	0.10	0.020	0.030	3.3	100
AMQ-ENV17-29	WT - Pit	Waste	I2S	61	16	8.6	2.8	1.7	3.6	2.9	0.97	0.30	0.11	0.020	0.020	2.2	100
AMQ-ENV17-26	WT - Pit	Waste	I2S	59	15	8.9	2.8	4.0	2.9	2.9	0.92	0.28	0.11	0.020	0.020	3.9	100
AMQ-RMP-08	UG	Waste	I2S	55	16	8.9	4.1	3.6	4.4	1.5	1.2	0.38	0.11	0.020	0.020	3.2	99
AMQ-RMP-07	UG	Waste	I2S	61	14	8.9	2.8	3.6	3.0	3.1	0.90	0.26	0.12	0.020	0.020	1.5	99
AMQ-RMP-01	UG	Waste	I2S	70	13	3.4	1.0	1.1	3.0	5.2	0.41	0.090	0.040	0.010	< 0.01	1.5	99
AMQ-RMP-09	UG	Waste	I2S	45	14	18	4.8	8.5	2.1	0.97	2.4	0.79	0.20	0.020	0.060	2.6	100
AMQ-RMP-10	UG	Waste	I2S	53	17	9.9	3.7	3.8	4.4	2.0	1.6	0.56	0.13	0.010	0.030	2.8	99
AMQ-RMP-02	UG	Waste	I2S	71	13	3.8	1.2	0.70	2.9	5.2	0.44	0.090	0.030	0.020	< 0.01	1.3	100
AMQ-ENV15-114	UG	Waste	I2S	53	17	11	2.9	6.3	3.4	1.7	1.4	0.49	0.14	0.010	0.030	2.4	100
AMQ-RMP-03	UG	Waste	I2S	57	17	8.1	3.5	2.2	3.3	3.3	1.1	0.40	0.080	0.020	0.020	3.4	99
AMQ-RMP-04	UG	Waste	I2S	38	8.4	27	8.1	8.0	0.83	0.98	3.9	1.2	0.38	0.040	0.10	2.8	99
AMQ-RMP-05	UG	Waste	I2S	37	7.4	30	8.2	7.4	0.84	0.68	3.8	1.3	0.34	0.040	0.11	2.4	100
AMQ-RMP-06	UG	Waste	I2S	54	15	12	3.5	5.6	2.8	2.0	1.4	0.42	0.15	0.020	0.020	2.6	99
South Diorite (IS2) WT-Pit Waste			**Minimum**	53	15	8.4	2.3	1.7	2.6	2.0	0.86	0.26	0.080	< 0.01	< 0.01	1.4	99
			Maximum	62	17	12	4.0	5.1	3.6	4.5	1.3	0.41	0.15	0.030	0.030	3.9	101
			Median	59	15	8.9	2.8	3.8	3.2	2.9	0.96	0.30	0.11	0.020	0.020	2.8	100
			Average	59	15	9.3	2.9	3.5	3.1	2.9	0.98	0.31	0.11	0.020	0.020	2.7	100
			Standard Deviation	2.7	0.71	1.1	0.48	1.1	0.26	0.66	0.12	0.044	0.016	0.0041	0.0071	0.84	0.51
			75th Percentile	61	15	9.3	3.2	4.1	3.2	3.1	0.98	0.33	0.12	0.020	0.020	3.5	100
South Diorite (IS2) UG Waste			**Minimum**	37	7.4	3.4	1.0	0.70	0.83	0.68	0.41	0.090	0.030	0.010	< 0.01	1.3	99
			Maximum	71	17	30	8.2	8.5	4.4	5.2	3.9	1.3	0.38	0.040	0.11	3.4	100
			Median	54	14	9.9	3.5	3.8	3.0	2.0	1.4	0.42	0.13	0.020	0.020	2.6	99
			Average	54	14	13	4.0	4.6	2.8	2.4	1.7	0.54	0.16	0.021	0.039	2.4	99
			Standard Deviation	11	3.3	8.7	2.3	2.7	1.2	1.6	1.2	0.40	0.11	0.010	0.035	0.70	0.39
			75th Percentile	59	16	15	4.5	6.8	3.4	3.2	2.0	0.68	0.18	0.020	0.045	2.8	100

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV-28	WT - Pit	Ore	S3C	68	14	7.4	2.1	0.57	2.4	3.2	0.40	0.17	0.11	< 0.01	< 0.01	2.6	101
AMQ-ENV-29	WT - Pit	Ore	S3C	77	3.1	11	1.3	0.85	0.20	0.87	0.070	0.10	0.26	< 0.01	< 0.01	3.8	99
AMQ-ENV-36	WT - Pit	Ore	S3C	71	10	7.4	1.4	1.3	1.5	2.7	0.20	0.13	0.12	0.010	< 0.01	3.4	99
AMQ-ENV15-108	WT - Pit	Ore	S3C	62	18	4.7	1.8	1.3	3.4	4.2	0.57	0.16	0.060	0.020	0.020	2.5	100
AMQ-ENV15-140	WT - Pit	Ore	S3C	64	15	5.2	3.1	2.4	2.7	4.0	0.48	0.18	0.090	0.030	< 0.01	2.8	100
AMQ-ENV-42	WT - Pit	Ore	S3C	64	17	5.2	1.8	2.1	4.1	3.0	0.53	0.15	0.090	< 0.01	< 0.01	2.2	100
AMQ-ENV15-112	UG	Ore	S3C	69	11	8.4	2.1	2.3	1.7	2.3	0.30	0.11	0.13	0.030	< 0.01	2.2	99
AMQ-ENV-13	WT - Pit	Waste	S3C	62	17	7.4	2.4	1.5	2.6	3.8	0.49	0.18	0.10	< 0.01	0.010	2.4	100
AMQ-ENV-109	WT - Pit	Waste	S3C	62	18	4.9	2.2	1.2	3.3	3.6	0.57	0.17	0.070	0.020	< 0.01	2.7	99
AMQ-ENV-18	WT - Pit	Waste	S3C	64	17	5.6	2.2	1.2	2.6	4.2	0.52	0.16	0.080	0.010	0.020	2.3	100
AMQ-ENV-14	WT - Pit	Waste	S3C	64	17	5.7	2.0	1.6	3.4	3.4	0.52	0.17	0.080	< 0.01	< 0.01	1.9	99
AMQ-ENV15-056	WT - Pit	Waste	S3C	61	18	5.7	2.2	1.4	2.5	4.1	0.58	0.19	0.090	0.010	0.020	3.3	100
AMQ-ENV-03	WT - Pit	Waste	S3C	64	17	5.9	2.1	1.1	2.5	3.8	0.50	0.20	0.090	< 0.01	0.010	2.4	100
AMQ-ENV-19	WT - Pit	Waste	S3C	64	17	5.5	2.3	1.6	3.3	3.4	0.54	0.17	0.060	0.050	0.020	2.4	100
AMQ-ENV-41	WT - Pit	Waste	S3C	65	16	5.1	2.2	1.4	2.9	4.2	0.46	0.16	0.080	0.020	< 0.01	2.0	100
AMQ-ENV15-075	WT - Pit	Waste	S3C	65	16	5.2	1.5	2.1	3.0	3.7	0.44	0.19	0.12	< 0.01	< 0.01	2.5	99
AMQ-ENV15-098	WT - Pit	Waste	S3C	62	17	6.1	2.1	1.3	3.2	3.9	0.54	0.17	0.070	0.030	0.020	2.5	99
AMQ-ENV-37	WT - Pit	Waste	S3C	65	16	4.8	2.0	1.7	2.9	3.8	0.44	0.14	0.090	< 0.01	0.010	2.7	100
AMQ-ENV15-106	WT - Pit	Waste	S3C	68	14	4.9	1.6	2.3	2.0	3.3	0.43	0.16	0.090	0.030	0.010	2.4	99
AMQ-ENV15-064	WT - Pit	Waste	S3C	60	19	6.2	2.4	1.5	3.8	3.4	0.61	0.18	0.090	0.020	0.020	2.7	100
AMQ-ENV15-107	WT - Pit	Waste	S3C	64	17	5.4	2.1	1.7	2.8	3.7	0.51	0.15	0.080	0.020	0.010	2.5	100
AMQ-ENV15-065	WT - Pit	Waste	S3C	63	18	5.3	2.1	1.6	3.6	3.6	0.54	0.16	0.080	0.030	< 0.01	2.4	100
AMQ-ENV15-066	WT - Pit	Waste	S3C	62	17	6.4	2.3	1.6	2.4	3.9	0.56	0.17	0.090	0.030	0.020	2.9	99
AMQ-ENV-46	WT - Pit	Waste	S3C	63	19	4.1	1.8	1.7	3.8	3.9	0.49	0.13	0.070	< 0.01	< 0.01	2.2	99
AMQ-ENV15-074	WT - Pit	Waste	S3C	62	17	5.7	2.1	1.6	3.3	3.5	0.55	0.18	0.070	0.010	0.020	2.7	99
AMQ-ENV-11	WT - Pit	Waste	S3C	63	18	5.1	2.0	2.3	3.1	4.4	0.52	0.16	0.080	< 0.01	0.020	2.0	101
AMQ-ENV-20	WT - Pit	Waste	S3C	62	18	5.6	2.2	2.3	4.0	3.3	0.55	0.17	0.10	< 0.01	0.020	2.0	100
AMQ-ENV15-097	WT - Pit	Waste	S3C	71	13	4.4	1.7	1.5	2.2	3.4	0.34	0.12	0.080	0.030	< 0.01	2.2	100
AMQ-ENV15-042	WT - Pit	Waste	S3C	60	19	5.7	2.6	2.0	3.4	3.6	0.58	0.17	0.090	0.030	0.020	3.1	100
AMQ-ENV-12	WT - Pit	Waste	S3C	64	17	5.0	2.2	1.9	3.1	3.3	0.50	0.17	0.080	< 0.01	0.020	2.5	100
AMQ-ENV15-142	WT - Pit	Waste	S3C	64	15	5.7	1.9	3.4	2.4	3.8	0.43	0.24	0.10	0.010	< 0.01	3.0	99
AMQ-ENV15-143	WT - Pit	Waste	S3C	65	16	5.6	1.7	2.4	3.0	3.6	0.47	0.18	0.080	< 0.01	0.010	2.5	100
AMQ-ENV15-112	UG	Ore	S3C	69	11	8.4	2.1	2.3	1.7	2.3	0.30	0.11	0.13	0.030	< 0.01	2.2	99
AMQ-ENV15-085	UG	Ore	S3C	84	4.1	7.1	1.3	0.58	0.10	1.3	0.11	0.020	0.070	< 0.01	< 0.01	1.9	100
AMQ-ENV15-060	UG	Waste	S3C	64	17	5.4	2.0	1.7	2.5	4.2	0.51	0.15	0.080	0.010	0.010	2.0	99
AMQ-ENV15-120	UG	Waste	S3C	62	18	5.4	2.2	1.6	1.8	5.1	0.51	0.12	0.10	0.010	< 0.01	2.5	99
Central Greywacke (S3C) WT-Pit Ore			**Minimum**	62	3.1	4.7	1.3	0.57	0.20	0.87	0.070	0.10	0.060	< 0.01	< 0.01	2.2	99
			Maximum	77	18	11	3.1	2.4	4.1	4.2	0.57	0.18	0.26	0.030	0.020	3.8	101
			Median	68	14	7.4	1.8	1.3	2.4	3.0	0.40	0.15	0.11	0.010	0.010	2.6	100
			Average	68	13	7.1	1.9	1.6	2.3	2.9	0.36	0.14	0.12	0.017	0.011	2.8	100
			Standard Deviation	5.2	5.2	2.4	0.59	0.72	1.3	1.1	0.18	0.030	0.065	0.0095	0.0038	0.61	0.87
			75th Percentile	70	16	7.9	2.1	2.2	3.1	3.6	0.51	0.17	0.13	0.025	0.010	3.1	100
Central Greywacke (S3C) WT-Pit Waste			**Minimum**	60	11	4.1	1.5	1.1	1.7	2.3	0.30	0.11	0.060	< 0.01	< 0.01	1.9	99
			Maximum	71	19	7.4	2.6	3.4	4.0	4.4	0.61	0.24	0.12	0.050	0.020	3.3	101
			Median	64	17	5.6	2.1	1.6	3.0	3.7	0.52	0.17	0.080	0.010	0.010	2.5	100
			Average	63	17	5.5	2.1	1.7	3.0	3.7	0.51	0.17	0.084	0.018	0.014	2.5	100
			Standard Deviation	2.3	1.4	0.68	0.26	0.50	0.52	0.30	0.061	0.023	0.013	0.011	0.0051	0.35	0.36
			75th Percentile	64	18	5.7	2.2	2.0	3.3	3.9	0.55	0.18	0.090	0.030	0.020	2.7	100
Central Greywacke (S3C) UG Ore			**Minimum**	69	4.1	7.1	1.3	0.58	0.10	1.3	0.11	0.020	0.070	< 0.01	< 0.01	1.9	99
			Maximum	84	11	8.4	2.1	2.3	1.7	2.3	0.30	0.11	0.13	0.030	0.010	2.2	100
			Median	76	7.4	7.7	1.7	1.4	0.91	1.8	0.21	0.065	0.10	0.020	0.010	2.0	99
			Average	76	7.4	7.7	1.7	1.4	0.91	1.8	0.21	0.065	0.10	0.020	0.010	2.0	99
			Standard Deviation	11	4.7	0.94	0.58	1.2	1.1	0.71	0.13	0.064	0.042	0.014	-	0.23	0.92
			75th Percentile	80	9.0	8.1	1.9	1.8	1.3	2.1	0.25	0.088	0.12	0.025	0.010	2.1	100
Central Greywacke (S3C) UG Waste			**Minimum**	62	17	5.4	2.0	1.6	1.8	4.2	0.51	0.12	0.080	0.010	< 0.01	2.0	99
			Maximum	64	18	5.4	2.2	1.7	2.5	5.1	0.51	0.15	0.10	0.010	0.010	2.5	99
			Median	63	17	5.4	2.1	1.6	2.2	4.7	0.51	0.14	0.090	0.010	0.010	2.3	99
			Average	63	17	5.4	2.1	1.6	2.2	4.7	0.51	0.14	0.090	0.010	0.010	2.3	99
			Standard Deviation	1.4	0.78	-	0.15	0.11	0.54	0.59	-	0.021	0.014	-	-	0.37	0.21
			75th Percentile	64	17	5.4	2.1	1.7	2.3	4.9	0.51	0.14	0.095	0.010	0.010	2.4	99

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV16-32	IVR	Waste	S3N	61	17	7.2	2.8	1.6	0.95	5.4	0.58	0.13	0.090	0.020	0.020	3.3	100
AMQ-ENV16-47	WT - Pit	Waste	S3N	67	15	4.9	1.9	2.6	2.1	3.6	0.45	0.16	0.080	< 0.01	0.010	2.5	100
AMQ-ENV16-51	WT - Pit	Waste	S3N	62	18	6.1	2.6	2.7	2.1	4.1	0.59	0.18	0.080	0.020	0.020	3.0	101
AMQ-ENV17-01	WT - Pit	Waste	S3N	65	16	5.2	1.9	1.7	2.4	4.2	0.45	0.14	0.060	< 0.01	0.010	2.1	100
AMQ-ENV16-05	WT - Pit	Waste	S3N	51	11	9.3	11	5.8	1.3	2.4	0.60	0.23	0.15	0.14	0.020	7.4	100
AMQ-ENV16-49	WT - Pit	Waste	S3N	68	15	4.5	1.9	1.4	1.7	4.4	0.33	0.12	0.060	< 0.01	< 0.01	2.9	100
AMQ-ENV17-09	WT - Pit	Waste	S3N	56	20	9.1	3.0	0.71	0.30	6.1	0.61	0.16	0.080	0.020	0.030	3.5	99
AMQ-ENV16-44	WT - Pit	Waste	S3N	63	18	5.5	2.2	1.2	2.5	4.8	0.59	0.18	0.060	0.010	0.020	2.3	100
AMQ-ENV17-02	WT - Pit	Waste	S3N	64	14	7.8	2.0	2.5	2.1	2.9	0.45	0.19	0.090	0.020	< 0.01	2.2	99
AMQ-ENV16-48	WT - Pit	Waste	S3N	62	16	6.0	2.4	1.9	2.7	4.2	0.51	0.16	0.060	0.010	< 0.01	3.4	100
AMQ-ENV16-46	WT - Pit	Waste	S3N	62	17	5.5	2.2	2.9	2.2	4.3	0.56	0.17	0.090	0.010	0.010	3.3	100
AMQ-ENV17-10	WT - Pit	Waste	S3N	63	16	6.0	2.0	2.1	2.3	3.8	0.46	0.16	0.070	0.020	0.020	2.6	99
AMQ-ENV16-43	WT - Pit	Waste	S3N	60	17	8.4	2.4	1.8	2.8	4.0	0.58	0.18	0.090	< 0.01	0.020	3.2	101
AMQ-ENV17-03	WT - Pit	Waste	S3N	66	15	5.9	2.1	2.1	1.7	3.4	0.44	0.18	0.080	< 0.01	0.010	2.4	99
AMQ-ENV17-04	WT - Pit	Waste	S3N	63	18	5.1	1.9	2.1	3.7	3.6	0.57	0.21	0.060	0.010	0.010	1.8	100
AMQ-ENV16-45	WT - Pit	Waste	S3N	60	17	8.2	2.6	1.9	1.8	4.1	0.58	0.20	0.090	0.010	0.020	3.2	99
AMQ-ENV17-11	WT - Pit	Waste	S3N	61	17	6.0	2.3	2.1	1.9	4.5	0.54	0.17	0.070	0.010	0.010	3.1	99
AMQ-ENV17-05	WT - Pit	Waste	S3N	67	16	4.5	1.6	2.2	3.3	3.5	0.46	0.17	0.040	0.010	0.010	2.1	101
AMQ-ENV17-06	WT - Pit	Waste	S3N	65	16	5.2	1.9	2.2	2.7	3.7	0.52	0.19	0.070	0.020	0.020	2.1	100
AMQ-ENV17-12	WT - Pit	Waste	S3N	60	17	7.2	2.5	2.4	2.4	3.9	0.54	0.18	0.10	0.020	0.030	2.4	99
AMQ-ENV17-07	WT - Pit	Waste	S3N	63	17	5.5	2.1	2.2	3.2	3.6	0.53	0.19	0.080	0.010	0.020	1.8	99
AMQ-ENV17-08	WT - Pit	Waste	S3N	63	17	6.6	2.4	2.0	2.9	3.7	0.53	0.18	0.090	0.020	0.020	2.1	100
AMQ-ENV17-13	WT - Pit	Waste	S3N	64	16	7.1	2.1	1.7	2.2	3.7	0.47	0.16	0.080	0.010	0.020	2.0	99
AMQ-ENV18-01	WT - Pit	Waste	S3N	67	17	3.5	1.6	1.4	2.6	4.0	0.41	0.11	0.050	< 0.01	0.020	2.2	99
AMQ-ENV18-02	WT - Pit	Waste	S3N	66	17	3.5	1.6	1.5	3.0	3.8	0.43	0.13	0.050	< 0.01	< 0.01	2.0	100
AMQ-ENV18-03	WT - Pit	Waste	S3N	66	17	4.1	1.7	1.8	2.6	3.9	0.40	0.12	0.060	0.010	< 0.01	2.2	100
AMQ-ENV18-04	WT - Pit	Waste	S3N	70	14	3.3	1.6	2.3	1.7	3.7	0.31	0.14	0.060	< 0.01	< 0.01	2.8	100
AMQ-ENV18-05	WT - Pit	Waste	S3N	69	14	4.7	1.7	1.9	1.7	3.5	0.36	0.11	0.050	0.010	< 0.01	2.3	99
AMQ-ENV18-06	WT - Pit	Waste	S3N	64	17	6.4	2.0	2.0	2.4	3.6	0.47	0.13	0.090	0.010	0.020	2.3	99
AMQ-ENV18-07	WT - Pit	Waste	S3N	63	17	6.2	2.2	1.8	3.0	3.5	0.52	0.17	0.070	0.010	< 0.01	2.3	100
AMQ-ENV18-08	WT - Pit	Waste	S3N	64	16	6.8	1.9	1.7	3.3	3.4	0.51	0.17	0.080	< 0.01	0.010	1.8	100
AMQ-ENV18-09	WT - Pit	Waste	S3N	61	17	7.4	2.3	1.5	3.2	3.4	0.55	0.18	0.070	< 0.01	0.020	2.6	99
AMQ-ENV18-10	WT - Pit	Waste	S3N	62	17	6.7	2.0	1.8	3.3	3.8	0.50	0.17	0.070	< 0.01	< 0.01	2.3	99
AMQ-ENV18-11	WT - Pit	Waste	S3N	62	14	10	2.2	2.0	2.8	3.0	0.44	0.18	0.12	0.010	0.010	1.9	99
AMQ-ENV18-12	WT - Pit	Waste	S3N	62	15	8.6	2.2	3.2	2.5	3.2	0.47	0.17	0.090	0.010	0.020	1.8	99
AMQ-ENV18-13	WT - Pit	Waste	S3N	62	16	7.4	2.1	2.3	3.5	3.2	0.53	0.19	0.080	< 0.01	0.020	2.1	99
AMQ-ENV18-14	WT - Pit	Waste	S3N	62	15	10.0	2.3	2.6	2.5	3.1	0.48	0.19	0.10	< 0.01	0.020	1.8	99
AMQ-ENV18-15	WT - Pit	Waste	S3N	67	14	6.7	2.0	1.7	1.5	3.9	0.37	0.14	0.070	< 0.01	< 0.01	2.1	99
AMQ-ENV18-16	WT - Pit	Waste	S3N	67	14	5.8	1.8	2.2	2.2	3.3	0.30	0.11	0.070	0.010	0.010	2.0	99
AMQ-ENV18-17	WT - Pit	Waste	S3N	65	15	6.8	1.9	2.6	2.4	3.5	0.40	0.15	0.080	< 0.01	< 0.01	1.6	99
AMQ-ENV18-18	WT - Pit	Waste	S3N	62	17	7.5	2.2	2.0	2.7	3.8	0.53	0.17	0.090	0.010	0.020	2.0	99
AMQ-ENV17-57	UG	Waste	S3N	46	9.5	12	14	7.2	0.83	2.3	0.76	0.31	0.23	0.17	0.030	6.8	100
AMQ-ENV15-063	UG	Waste	S3N	61	17	6.7	2.4	1.9	2.0	4.7	0.55	0.16	0.090	0.010	< 0.01	2.0	99
Greywacke North (S3N) WT-Pit Waste			**Minimum**	51	11	3.3	1.6	0.71	0.30	2.4	0.30	0.11	0.040	< 0.01	< 0.01	1.6	99
			Maximum	70	20	10.4	11	5.8	3.7	6.1	0.61	0.23	0.15	0.14	0.030	7.4	101
			Median	63	16	6.2	2.1	2.0	2.5	3.7	0.49	0.17	0.080	0.010	0.010	2.2	99
			Average	63	16	6.4	2.3	2.1	2.4	3.7	0.48	0.16	0.077	0.015	0.015	2.5	100
			Standard Deviation	3.4	1.5	1.7	1.4	0.76	0.68	0.60	0.081	0.028	0.020	0.021	0.0060	0.9	0.50
			75th Percentile	66	17	7.4	2.3	2.3	2.8	4.0	0.54	0.18	0.090	0.010	0.020	2.7	100
Greywacke North (S3N) UG Waste			**Minimum**	46	9.5	6.7	2.4	1.9	0.83	2.3	0.55	0.16	0.090	0.010	< 0.01	2.0	99
			Maximum	61	17	12	14	7.2	2.0	4.7	0.76	0.31	0.23	0.17	0.030	6.8	100
			Median	54	13	9.1	8.3	4.5	1.4	3.5	0.66	0.24	0.16	0.090	0.020	4.4	99
			Average	54	13	9.1	8.3	4.5	1.4	3.5	0.66	0.24	0.16	0.090	0.020	4.4	99
			Standard Deviation	11	5.6	3.4	8.4	3.7	0.79	1.7	0.15	0.11	0.099	0.11	0.014	3.4	0.28
			75th Percentile	57	15	10	11	5.8	1.7	4.1	0.71	0.27	0.20	0.13	0.025	5.6	100

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)		SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
					%													
AMQ-ENV-112	WT - Pit	Waste	S3S		61	14	6.7	5.8	1.7	2.4	3.9	0.59	0.29	0.11	0.070	0.020	3.0	100
AMQ-ENV-122	WT - Pit	Waste	S3S		58	15	8.7	5.2	2.6	4.5	2.2	0.71	0.17	0.10	0.050	0.020	2.8	99
AMQ-ENV15-049	WT - Pit	Waste	S3S		50	10	11	12	6.9	1.2	2.5	0.68	0.28	0.20	0.15	0.020	4.5	100
AMQ-ENV-117	WT - Pit	Waste	S3S		65	14	5.1	3.4	2.8	3.3	3.2	0.47	0.17	0.070	0.050	< 0.01	2.8	100
AMQ-ENV15-012	WT - Pit	Waste	S3S		58	15	8.2	4.9	2.8	4.2	2.6	0.69	0.26	0.11	0.070	0.020	2.6	100
AMQ-ENV15-110	WT - Pit	Waste	S3S		64	15	5.6	2.4	2.4	3.3	3.2	0.48	0.15	0.070	0.040	0.010	3.2	99
AMQ-ENV15-101	WT - Pit	Waste	S3S		49	14	12	8.4	3.6	2.4	2.1	0.72	0.26	0.14	0.10	0.020	6.1	99
AMQ-ENV15-093	WT - Pit	Waste	S3S		60	13	6.6	5.8	2.6	3.2	2.7	0.47	0.15	0.10	0.070	0.010	5.1	100
AMQ-ENV15-032	WT - Pit	Waste	S3S		53	12	9.6	9.7	5.8	2.2	3.4	0.71	0.29	0.17	0.12	0.020	3.0	99
AMQ-ENV15-023	WT - Pit	Waste	S3S		55	12	9.0	8.7	5.5	2.1	3.7	0.68	0.27	0.16	0.10	0.020	2.8	100
AMQ-ENV17-31	WT - Pit	Waste	S3S		65	16	4.9	2.4	2.2	3.9	2.8	0.50	0.15	0.060	0.030	0.020	2.3	100
AMQ-ENV15-003	WT - Pit	Waste	S3S		50	10	11	13	6.8	1.3	2.2	0.69	0.28	0.19	0.16	0.030	4.2	99
AMQ-ENV17-18	WT - Pit	Waste	S3S		62	14	5.7	4.5	2.3	3.4	3.1	0.53	0.19	0.080	0.050	0.020	3.4	99
AMQ-ENV-120	WT - Pit	Waste	S3S		52	13	10	9.4	5.6	2.2	3.7	0.81	0.35	0.16	0.10	0.020	2.7	100
AMQ-ENV15-102	WT - Pit	Waste	S3S		57	15	8.7	4.7	3.3	4.2	2.3	0.72	0.26	0.13	0.060	0.020	3.0	99
AMQ-ENV-115	WT - Pit	Waste	S3S		64	15	7.0	3.1	1.4	3.2	2.5	0.55	0.14	0.080	0.030	0.020	2.8	99
AMQ-ENV15-103	WT - Pit	Waste	S3S		47	9.6	12	13	8.0	0.77	2.8	0.73	0.33	0.21	0.16	0.030	4.6	100
AMQ-ENV-66	WT - Pit	Waste	S3S		51	11	10	13	7.3	1.6	2.6	0.68	0.33	0.18	0.17	0.020	3.0	100
AMQ-ENV17-17	WT - Pit	Waste	S3S		56	13	9.0	8.0	3.7	2.8	2.6	0.63	0.21	0.12	0.11	0.020	4.1	100
AMQ-ENV15-081	WT - Pit	Waste	S3S		57	14	8.1	6.1	3.3	2.5	4.2	0.62	0.24	0.11	0.060	0.020	3.4	99
AMQ-ENV-71	WT - Pit	Waste	S3S		60	14	7.5	5.4	3.5	3.5	2.9	0.58	0.21	0.11	0.070	0.030	2.4	100
AMQ-ENV-60	WT - Pit	Waste	S3S		54	11	8.7	9.5	5.4	1.4	3.1	0.59	0.26	0.14	0.12	0.020	5.1	100
AMQ-ENV17-15	WT - Pit	Waste	S3S		51	11	11	12	5.4	1.3	2.5	0.61	0.22	0.17	0.18	0.030	4.6	100
AMQ-ENV-116	WT - Pit	Waste	S3S		50	11	11	12	5.4	2.3	2.1	0.70	0.25	0.16	0.17	0.030	4.1	99
AMQ-ENV-67	WT - Pit	Waste	S3S		54	11	9.2	12	5.1	2.1	2.5	0.55	0.22	0.13	0.18	0.020	3.1	99
AMQ-ENV17-25	WT - Pit	Waste	S3S		67	14	4.7	2.0	2.3	4.2	2.7	0.43	0.13	0.070	0.020	0.020	2.3	100
AMQ-ENV17-49	UG	Waste	S3S		65	14	6.6	2.8	2.1	3.2	2.9	0.52	0.14	0.080	0.030	0.010	2.0	100
AMQ-ENV17-58	UG	Waste	S3S		48	8.9	12	16	7.0	0.98	2.0	0.62	0.23	0.18	0.26	0.040	3.0	100
AMQ-ENV17-55	UG	Waste	S3S		48	9.8	11	14	7.4	1.5	2.1	0.72	0.36	0.20	0.17	0.030	4.0	99
AMQ-ENV17-50	UG	Waste	S3S		49	10.0	11	16	5.8	1.7	2.0	0.63	0.25	0.16	0.26	0.030	3.7	100
AMQ-ENV17-62	UG	Waste	S3S		46	8.8	12	16	8.3	0.70	1.7	0.71	0.29	0.25	0.23	0.030	4.1	100
Greywacke South (S3S) WT-Pit Waste				**Minimum**	47	9.6	4.7	2.0	1.4	0.77	2.1	0.43	0.13	0.060	0.020	< 0.01	2.3	99
				Maximum	67	16	12	13	8.0	4.5	4.2	0.81	0.35	0.21	0.18	0.030	6.1	100
				Median	56	13	8.7	7.0	3.5	2.4	2.7	0.63	0.25	0.13	0.085	0.020	3.1	100
				Average	56	13	8.4	7.6	4.1	2.7	2.8	0.62	0.23	0.13	0.096	0.021	3.5	100
				Standard Deviation	5.7	1.8	2.1	3.8	1.9	1.1	0.56	0.100	0.063	0.044	0.052	0.0056	1.0	0.30
				75th Percentile	61	14	10	11	5.5	3.4	3.1	0.70	0.28	0.16	0.14	0.020	4.2	100
Greywacke South (S3S) UG Waste				**Minimum**	46	8.8	6.6	2.8	2.1	0.70	1.7	0.52	0.14	0.080	0.030	0.010	2.0	99
				Maximum	65	14	12	16	8.3	3.2	2.9	0.72	0.36	0.25	0.26	0.040	4.1	100
				Median	48	9.8	11	16	7.0	1.5	2.0	0.63	0.25	0.18	0.23	0.030	3.7	100
				Average	51	10	11	13	6.1	1.6	2.1	0.64	0.25	0.17	0.19	0.028	3.4	100
				Standard Deviation	7.9	2.2	2.3	5.8	2.4	0.96	0.44	0.081	0.081	0.062	0.097	0.011	0.88	0.24
				75th Percentile	49	10.0	12	16	7.4	1.7	2.1	0.71	0.29	0.20	0.26	0.030	4.0	100

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV17-40	IVR	Ore	S9E	46	7.9	25	4.6	4.8	0.67	1.6	0.32	0.090	1.0	0.030	0.020	6.4	98
AMQ-ENV-57	WT - Pit	Ore	S9E	47	9.5	20	7.6	8.9	0.32	2.2	0.45	0.050	0.77	0.38	0.040	2.2	99
AMQ-ENV15-027	WT - Pit	Ore	S9E	40	7.6	31	6.0	9.0	0.61	1.0	0.37	0.020	1.2	0.38	0.020	1.7	99
AMQ-ENV15-135	WT - Pit	Ore	S9E	46	6.9	10	21	8.8	0.18	0.99	0.31	0.030	0.24	0.30	0.020	5.0	100
AMQ-ENV15-089	WT - Pit	Ore	S9E	41	8.2	27	6.3	8.6	0.58	1.8	0.42	0.030	0.91	0.30	0.030	2.1	97
AMQ-ENV15-039	WT - Pit	Ore	S9E	43	5.6	9.9	21	9.6	0.30	1.7	0.28	0.19	0.27	0.26	0.020	7.9	99
AMQ-ENV-56	WT - Pit	Ore	S9E	46	9.5	21	6.4	11	0.73	1.4	0.44	0.040	0.85	0.39	0.040	1.8	100
AMQ-ENV-49	WT - Pit	Ore	S9E	42	7.7	19	9.4	9.5	0.52	1.3	0.36	0.030	0.70	0.34	0.030	7.1	98
AMQ-ENV15-045	WT - Pit	Ore	S9E	43	9.2	20	9.6	11	0.58	0.78	0.45	0.060	0.94	0.39	0.030	4.0	100
AMQ-ENV15-010	WT - Pit	Ore	S9E	39	9.8	30	5.1	11	0.42	1.7	0.44	0.040	1.1	0.43	0.020	1.6	100
AMQ-ENV-47	WT - Pit	Ore	S9E	46	7.0	11	17	9.5	0.34	1.9	0.34	0.020	0.29	0.32	0.030	5.4	99
AMQ-ENV15-021	WT - Pit	Ore	S9E	47	6.3	11	20	6.9	0.33	0.48	0.32	0.12	0.23	0.30	0.020	6.2	100
AMQ-ENV-125	WT - Pit	Ore	S9E	46	7.5	10	22	6.7	0.18	1.4	0.35	0.060	0.19	0.28	0.030	5.4	100
AMQ-ENV15-083	WT - Pit	Ore	S9E	43	6.8	10	22	7.2	0.090	1.2	0.33	0.010	0.19	0.30	0.010	8.2	99
AMQ-ENV-64	WT - Pit	Ore	S9E	48	6.0	9.7	19	8.9	0.32	1.7	0.31	0.040	0.24	0.27	0.020	5.6	100
AMQ-ENV17-14	WT - Pit	Ore	S9E	44	11	20	6.9	9.7	1.4	1.6	0.53	0.040	0.70	0.27	0.040	2.0	99
AMQ-ENV15-038	WT - Pit	Waste	S9E	40	8.7	31	6.0	7.2	0.79	1.4	0.45	0.030	1.1	0.35	0.030	2.4	99
AMQ-ENV-58	WT - Pit	Waste	S9E	44	7.0	12	20	7.1	0.40	1.6	0.32	0.070	0.30	0.34	0.030	6.4	100
AMQ-ENV-31	WT - Pit	Waste	S9E	47	9.4	14	14	7.2	0.31	1.5	0.46	0.030	0.43	0.48	0.030	4.2	99
AMQ-ENV-69	WT - Pit	Waste	S9E	46	9.2	17	11	10	0.58	1.6	0.43	0.040	0.57	0.42	0.030	3.6	100
AMQ-ENV15-028	WT - Pit	Waste	S9E	43	8.3	13	14	12	0.44	1.2	0.39	0.040	0.42	0.35	0.040	7.1	100
AMQ-ENV-70	WT - Pit	Waste	S9E	43	6.4	9.9	23	7.1	0.14	0.11	0.31	0.020	0.17	0.30	0.020	8.9	100
AMQ-ENV15-090	WT - Pit	Waste	S9E	45	8.0	14	16	8.8	0.39	1.7	0.39	0.030	0.45	0.39	0.020	5.3	100
AMQ-ENV15-034	WT - Pit	Waste	S9E	35	8.7	35	6.1	8.5	0.67	0.43	0.39	0.030	1.4	0.38	0.030	1.9	98
AMQ-ENV15-011	WT - Pit	Waste	S9E	48	8.8	12	13	11	0.72	2.5	0.41	0.060	0.36	0.36	0.030	3.0	100
AMQ-ENV15-099	WT - Pit	Waste	S9E	38	6.1	9.8	26	5.8	0.030	0.020	0.32	0.060	0.18	0.29	0.020	14	100
AMQ-ENV-17	WT - Pit	Waste	S9E	44	8.1	12	23	5.3	0.22	0.29	0.39	0.030	0.23	0.37	0.030	6.1	99
Iron Formation (S9E) WT-Pit Ore			**Minimum**	39	5.6	9.7	5.1	6.7	0.090	0.48	0.28	0.010	0.19	0.26	0.010	1.6	97
			Maximum	48	11	31	22	11	1.4	2.2	0.53	0.19	1.2	0.43	0.040	8.2	100
			Median	44	7.6	19	9.6	9.0	0.34	1.4	0.36	0.040	0.70	0.30	0.030	5.0	99
			Average	44	7.9	17	13	9.1	0.46	1.4	0.38	0.052	0.58	0.33	0.027	4.4	99
			Standard Deviation	2.8	1.6	7.6	7.0	1.3	0.32	0.46	0.071	0.046	0.36	0.054	0.0090	2.4	0.82
			75th Percentile	46	9.4	21	21	9.6	0.58	1.7	0.44	0.055	0.88	0.38	0.030	5.9	100
Iron Formation (S9E) WT-Pit Waste			**Minimum**	35	6.1	9.8	6.0	5.3	0.030	0.020	0.31	0.020	0.17	0.29	0.020	1.9	98
			Maximum	48	9.4	35	26	12	0.79	2.5	0.46	0.070	1.4	0.48	0.040	14	100
			Median	44	8.3	13	14	7.2	0.40	1.4	0.39	0.030	0.42	0.36	0.030	5.3	100
			Average	43	8.1	16	15	8.2	0.43	1.1	0.39	0.040	0.51	0.37	0.028	5.7	99
			Standard Deviation	3.9	1.1	8.4	6.7	2.2	0.24	0.80	0.052	0.016	0.40	0.053	0.0060	3.5	0.50
			75th Percentile	45	8.7	15	21	9.4	0.63	1.6	0.42	0.050	0.51	0.39	0.030	6.7	100

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV16-27	IVR	Ore	V4A-0a	47	7.0	8.1	18	5.9	0.80	2.0	0.29	0.020	0.16	0.26	0.020	11	101
AMQ-ENV16-55	IVR	Ore	V4A-0a	48	5.8	9.9	23	6.6	0.19	0.17	0.32	0.12	0.20	0.28	0.030	6.2	101
AMQ-ENV16-24	IVR	Waste	V4A-0a	43	7.5	10	19	6.7	0.30	0.34	0.32	0.030	0.24	0.26	0.020	13	101
AMQ-ENV16-21	IVR	Waste	V4A-0a	42	11	19	8.3	9.2	1.1	0.95	0.64	0.050	0.62	0.24	0.040	8.3	101
AMQ-ENV16-26	IVR	Waste	V4A-0a	41	8.7	12	24	3.9	0.060	0.47	0.40	0.030	0.14	0.36	0.020	10	101
AMQ-ENV16-40	IVR	Waste	V4A-0a	49	5.7	9.5	24	2.4	0.11	1.4	0.31	0.14	0.090	0.25	0.020	7.9	101
AMQ-ENV16-59	IVR	Waste	V4A-0a	41	7.5	15	15	8.1	0.040	1.5	0.40	0.040	0.46	0.43	0.030	11	100
AMQ-ENV17-79	IVR	Waste	V4A-0a	42	10	17	8.2	11	1.7	0.42	0.59	0.040	0.72	0.17	0.050	7.2	100
AMQ-ENV16-34	IVR	Waste	V4A-0a	56	11	8.3	12	2.2	1.5	4.4	0.56	0.22	0.090	0.15	0.030	4.1	100
AMQ-ENV16-15	IVR	Waste	V4A-0a	44	8.1	23	9.5	9.9	0.48	1.0	0.48	0.040	1.1	0.48	0.030	3.8	101
AMQ-ENV16-39	IVR	Waste	V4A-0a	50	8.6	8.8	17	3.7	1.8	1.6	0.43	0.26	0.13	0.22	0.020	8.6	100
AMQ-ENV16-25	IVR	Waste	V4A-0a	42	6.5	9.5	23	5.7	0.42	0.55	0.30	0.030	0.17	0.28	0.030	13	100
AMQ-ENV16-33	IVR	Waste	V4A-0a	41	7.1	11	24	5.4	0.040	0.080	0.35	0.020	0.17	0.34	0.030	11	101
AMQ-ENV17-38	IVR	Waste	V4A-0a	43	7.5	10	22	7.1	0.26	0.70	0.37	0.020	0.17	0.34	0.030	8.4	100
AMQ-ENV16-30	IVR	Waste	V4A-0a	41	6.8	10	24	5.3	0.020	0.63	0.32	0.020	0.18	0.32	0.020	12	101
AMQ-ENV16-38	IVR	Waste	V4A-0a	44	7.7	10	23	6.0	0.16	0.82	0.33	0.030	0.16	0.32	0.020	7.6	100
AMQ-ENV16-29	IVR	Waste	V4A-0a	41	6.6	9.5	22	5.9	0.090	1.3	0.29	0.030	0.18	0.27	0.020	13	101
AMQ-ENV17-43	IVR	Waste	V4A-0a	42	7.3	11	23	4.6	0.15	1.3	0.38	0.020	0.14	0.34	0.030	9.8	100
AMQ-ENV17-46	IVR	Waste	V4A-0a	40	9.0	11	23	3.7	0.21	0.69	0.41	0.030	0.16	0.32	0.040	11	100
AMQ-ENV15-016	WT - Pit	Ore	V4A-0a	45	6.5	17	12	8.7	0.12	1.4	0.31	0.030	0.46	0.36	0.020	7.2	98
AMQ-ENV15-105	WT - Pit	Ore	V4A-0a	45	8.1	12	20	7.4	0.43	0.44	0.59	0.040	0.20	0.30	0.030	5.9	100
AMQ-ENV15-014	WT - Pit	Waste	V4A-0a	41	8.3	11	24	3.3	0.030	0.60	0.39	0.030	0.12	0.44	0.040	11	100
AMQ-ENV16-50	WT - Pit	Waste	V4A-0a	64	15	8.7	2.2	1.7	1.9	3.7	0.44	0.15	0.13	0.010	0.020	3.2	100
AMQ-ENV15-040	WT - Pit	Waste	V4A-0a	40	6.8	9.9	24	6.4	0.040	0.050	0.32	0.010	0.17	0.32	0.020	12	100
AMQ-ENV15-029	WT - Pit	Waste	V4A-0a	41	7.3	11	24	4.3	0.050	0.14	0.40	0.020	0.24	0.36	0.020	12	100
AMQ-ENV-32	WT - Pit	Waste	V4A-0a	41	6.9	10	25	4.6	0.050	0.16	0.33	0.030	0.17	0.32	0.020	12	99
AMQ-ENV-59	WT - Pit	Waste	V4A-0a	41	7.2	11	21	7.7	0.28	0.97	0.36	0.040	0.23	0.32	0.020	11	100
AMQ-ENV15-041	WT - Pit	Waste	V4A-0a	43	7.6	11	26	2.1	0.020	0.050	0.40	0.030	0.11	0.33	0.020	9.7	100
AMQ-ENV-16	WT - Pit	Waste	V4A-0a	41	6.8	9.9	25	5.6	0.070	0.080	0.32	0.030	0.17	0.33	0.010	11	100
AMQ-ENV15-055	WT - Pit	Waste	V4A-0a	42	7.3	11	25	4.6	0.11	0.040	0.38	0.020	0.16	0.36	0.020	9.3	100
AMQ-ENV-33	WT - Pit	Waste	V4A-0a	42	6.6	10	25	5.1	0.070	0.13	0.33	0.030	0.17	0.33	0.020	9.9	100
AMQ-ENV-72	WT - Pit	Waste	V4A-0a	45	7.1	10	15	8.3	0.49	2.1	0.36	0.090	0.26	0.27	0.020	11	99
AMQ-ENV-39	WT - Pit	Waste	V4A-0a	41	6.5	9.9	25	5.0	0.040	0.060	0.32	0.030	0.14	0.32	0.020	12	100
AMQ-ENV15-030	WT - Pit	Waste	V4A-0a	39	6.8	11	26	4.2	0.030	0.010	0.32	0.030	0.14	0.38	0.020	13	100
AMQ-ENV-73	WT - Pit	Waste	V4A-0a	43	7.4	11	23	6.8	0.060	0.12	0.35	0.020	0.18	0.33	0.030	7.9	100
AMQ-ENV-121	WT - Pit	Waste	V4A-0a	49	7.8	9.5	19	5.8	1.5	2.2	0.42	0.21	0.17	0.23	0.020	4.4	100
AMQ-ENV15-026	WT - Pit	Waste	V4A-0a	40	5.6	9.4	22	9.5	0.060	0.31	0.24	0.010	0.27	0.31	< 0.01	11	99
AMQ-ENV-43	WT - Pit	Waste	V4A-0a	37	5.0	8.6	20	9.7	0.46	0.43	0.22	0.040	0.28	0.24	0.010	18	100
AMQ-ENV-44	WT - Pit	Waste	V4A-0a	45	6.7	12	22	5.9	0.16	0.46	0.34	0.030	0.24	0.35	0.020	8.8	101
AMQ-ENV15-084	WT - Pit	Waste	V4A-0a	40	6.2	9.7	26	4.4	0.020	0.010	0.30	0.030	0.14	0.31	0.020	13	100
AMQ-ENV15-068	UG	Waste	V4A-0a	42	8.3	13	20	7.2	0.55	0.49	0.41	0.020	0.33	0.38	0.030	7.2	100
AMQ-ENV15-121	UG	Waste	V4A-0a	42	7.5	10	22	4.5	0.46	0.80	0.42	0.030	0.15	0.26	0.040	12	100
AMQ-ENV15-071	UG	Waste	V4A-0a	39	7.2	11	23	5.9	0.040	0.39	0.36	0.030	0.21	0.34	0.030	13	100
AMQ-ENV15-051	UG	Waste	V4A-0a	45	7.0	9.2	19	5.6	0.41	1.3	0.34	0.020	0.17	0.27	0.020	12	100
Komatiite North (V4A-0a) IVR Waste			**Minimum**	40	5.7	8.3	8.2	2.2	0.020	0.080	0.29	0.020	0.090	0.15	0.020	3.8	100
			Maximum	56	11	23	24	11	1.8	4.4	0.64	0.26	1.1	0.48	0.050	13	101
			Median	42	7.5	10	22	5.7	0.21	0.82	0.38	0.030	0.17	0.32	0.030	9.8	100
			Average	44	8.0	12	19	5.9	0.50	1.1	0.40	0.062	0.29	0.30	0.028	9.4	100
			Standard Deviation	4.1	1.5	3.9	6.0	2.5	0.62	0.97	0.11	0.073	0.27	0.084	0.0088	2.9	0.38
			75th Percentile	44	8.7	12	23	7.1	0.48	1.3	0.43	0.040	0.24	0.34	0.030	11	101
Komatiite North (V4A-0a) WT-Pit Ore			**Minimum**	45	6.5	12	12	7.4	0.12	0.44	0.31	0.030	0.20	0.30	0.020	5.9	98
			Maximum	45	8.1	17	20	8.7	0.43	1.4	0.59	0.040	0.46	0.36	0.030	7.2	100
			Median	45	7.3	14	16	8.1	0.28	0.91	0.45	0.035	0.33	0.33	0.025	6.6	99
			Average	45	7.3	14	16	8.1	0.28	0.91	0.45	0.035	0.33	0.33	0.025	6.6	99
			Standard Deviation	-	1.1	3.6	5.9	0.91	0.22	0.66	0.20	0.0071	0.18	0.042	0.0071	0.93	0.99
			75th Percentile	45	7.7	15	18	8.4	0.35	1.1	0.52	0.038	0.40	0.35	0.028	6.9	99
Komatiite North (V4A-0a) WT-Pit Waste			**Minimum**	37	5.0	8.6	2.2	1.7	0.020	0.010	0.22	0.010	0.11	0.010	< 0.01	3.2	99
			Maximum	64	15	12	26	9.7	1.9	3.7	0.44	0.21	0.28	0.44	0.040	18	101
			Median	41	6.9	10	24	5.1	0.060	0.14	0.34	0.030	0.17	0.32	0.020	11	100
			Average	43	7.3	10	22	5.5	0.28	0.61	0.34	0.046	0.18	0.31	0.020	10	100
			Standard Deviation	5.7	1.9	0.82	5.5	2.2	0.51	0.99	0.056	0.051	0.053	0.086	0.0067	3.1	0.41
			75th Percentile	43	7.3	11	25	6.6	0.22	0.53	0.39	0.035	0.24	0.34	0.020	12	100
Komatiite North (V4A-0a) UG Waste			**Minimum**	39	7.0	9.2	19	4.5	0.040	0.39	0.34	0.020	0.15	0.26	0.020	7.2	100
			Maximum	45	8.3	13	23	7.2	0.55	1.3	0.42	0.030	0.33	0.38	0.040	13	100
			Median	42	7.4	11	21	5.8	0.44	0.65	0.39	0.025	0.19	0.31	0.030	12	100
			Average	42	7.5	11	21	5.8	0.37	0.73	0.38	0.025	0.22	0.31	0.030	11	100
			Standard Deviation	2.3	0.79	1.5	2.6	1.2	0.25	0.47	0.050	0.0055	0.077	0.050	0.0084	2.3	0.11
			75th Percentile	43	7.7	11	22	6.2	0.48	0.91	0.41	0.030	0.24	0.35	0.033	12	100

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV16-23	IVR	Ore	V4A-0b	43	10.0	14	13	7.2	0.46	2.0	0.62	0.050	0.42	0.32	0.040	9.6	101
AMQ-ENV16-17	IVR	Waste	V4A-0b	52	10	11	9.1	4.7	1.7	3.5	0.57	0.26	0.18	0.10	0.030	7.5	101
AMQ-ENV16-36	IVR	Waste	V4A-0b	47	7.2	9.6	22	5.1	0.55	1.5	0.38	0.19	0.14	0.26	0.020	7.5	101
AMQ-ENV16-31	IVR	Waste	V4A-0b	43	7.0	10	24	5.8	0.060	0.34	0.32	0.030	0.16	0.31	0.020	9.7	101
AMQ-ENV17-44	IVR	Waste	V4A-0b	45	7.1	8.6	21	4.5	0.51	0.71	0.28	0.020	0.15	0.27	0.020	12	100
AMQ-ENV16-16	IVR	Waste	V4A-0b	46	6.1	9.5	15	13	0.55	1.4	0.33	0.18	0.23	0.22	0.020	7.1	101
AMQ-ENV16-28	IVR	Waste	V4A-0b	52	9.9	7.5	12	5.0	2.8	1.8	0.44	0.21	0.13	0.14	0.030	8.9	101
AMQ-ENV17-47	IVR	Waste	V4A-0b	44	4.9	9.1	22	5.9	0.090	0.94	0.27	0.13	0.17	0.25	0.020	13	100
AMQ-ENV17-37	IVR	Waste	V4A-0b	42	5.6	9.1	22	6.2	0.11	0.80	0.30	0.15	0.15	0.25	0.030	13	100
AMQ-ENV16-35	IVR	Waste	V4A-0b	46	7.2	9.8	20	4.3	1.0	2.0	0.41	0.27	0.13	0.26	0.020	9.4	101
AMQ-ENV16-37	IVR	Waste	V4A-0b	40	8.3	11	23	4.9	0.16	0.29	0.37	0.030	0.16	0.32	0.040	12	101
AMQ-ENV15-020	WT - Pit	Ore	V4A-0b	56	7.1	9.6	14	3.8	0.73	2.0	0.35	0.17	0.14	0.17	< 0.01	5.0	99
AMQ-ENV15-137	WT - Pit	Ore	V4A-0b	44	7.0	10	21	4.8	0.040	1.1	0.39	0.17	0.16	0.28	0.020	11	100
AMQ-ENV-02	WT - Pit	Ore	V4A-0b	45	6.4	9.5	21	5.7	0.15	0.69	0.37	0.18	0.16	0.27	0.020	10	100
AMQ-ENV15-007	WT - Pit	Ore	V4A-0b	54	8.6	13	8.9	2.9	1.4	2.6	0.36	0.19	0.19	0.080	0.010	5.7	98
AMQ-ENV-52	WT - Pit	Ore	V4A-0b	62	5.9	9.5	11	3.9	0.23	1.8	0.27	0.11	0.17	0.15	0.010	4.0	99
AMQ-ENV15-033	WT - Pit	Ore	V4A-0b	49	9.2	8.6	16	3.6	1.9	2.8	0.45	0.21	0.14	0.21	0.020	7.8	100
AMQ-ENV15-095	WT - Pit	Ore	V4A-0b	66	15	4.1	1.5	1.4	2.5	4.3	0.41	0.13	0.090	0.010	< 0.01	3.0	99
AMQ-ENV-119	WT - Pit	Waste	V4A-0b	49	9.4	10	14	6.5	1.5	2.0	0.57	0.24	0.16	0.22	0.020	5.4	100
AMQ-ENV-01	WT - Pit	Waste	V4A-0b	48	7.7	9.0	15	5.7	0.55	2.2	0.43	0.19	0.16	0.20	0.020	10	100
AMQ-ENV15-047	WT - Pit	Waste	V4A-0b	47	6.8	10	21	4.7	0.23	2.1	0.39	0.18	0.16	0.25	0.020	5.8	100
AMQ-ENV15-136	WT - Pit	Waste	V4A-0b	53	12	8.0	12	1.4	1.4	7.0	0.60	0.30	0.080	0.12	0.020	3.6	99
AMQ-ENV15-109	WT - Pit	Waste	V4A-0b	44	7.6	8.9	18	5.9	0.93	2.2	0.41	0.21	0.17	0.23	0.020	11	100
AMQ-ENV-10	WT - Pit	Waste	V4A-0b	46	7.1	9.7	21	4.5	0.34	1.8	0.38	0.17	0.15	0.27	< 0.01	10	101
AMQ-ENV-62	WT - Pit	Waste	V4A-0b	44	9.7	11	13	8.2	1.4	2.5	0.57	0.23	0.20	0.19	0.020	8.6	100
AMQ-ENV17-20	WT - Pit	Waste	V4A-0b	49	7.0	9.9	21	5.2	0.16	1.8	0.39	0.18	0.15	0.27	0.020	5.5	100
AMQ-ENV15-076	WT - Pit	Waste	V4A-0b	64	4.8	9.7	7.9	2.5	0.55	1.3	0.21	0.12	0.13	0.10	0.010	6.5	97
AMQ-ENV-68	WT - Pit	Waste	V4A-0b	44	6.1	9.4	21	5.6	0.27	1.1	0.33	0.16	0.16	0.26	0.020	12	100
AMQ-ENV17-51	UG	Waste	V4A-0b	48	8.5	13	17	7.1	1.4	1.7	0.73	0.28	0.18	0.25	0.040	2.6	100
AMQ-ENV17-59	UG	Waste	V4A-0b	50	9.1	9.4	16	5.6	1.8	1.6	0.50	0.24	0.16	0.20	0.030	5.6	100
AMQ-ENV17-63	UG	Waste	V4A-0b	48	6.0	9.8	24	4.9	0.20	0.64	0.33	0.16	0.15	0.30	0.020	6.3	100
Komatiite South (V4A-0b) IVR Waste			**Minimum**	40	4.9	7.5	9.1	4.3	0.060	0.29	0.27	0.020	0.13	0.10	0.020	7.1	100
			Maximum	52	10	11	24	13	2.8	3.5	0.57	0.27	0.23	0.32	0.040	13	101
			Median	46	7.2	9.5	21	5.0	0.53	1.2	0.35	0.17	0.16	0.26	0.020	9.6	101
			Average	46	7.3	9.5	19	6.0	0.75	1.3	0.37	0.15	0.16	0.24	0.025	10.0	101
			Standard Deviation	3.9	1.7	1.0	5.0	2.7	0.88	0.96	0.090	0.093	0.029	0.069	0.0071	2.3	0.35
			75th Percentile	47	8.0	10	22	5.9	0.90	1.7	0.40	0.21	0.17	0.27	0.030	12	101
Komatiite South (V4A-0b) WT-Pit Ore			**Minimum**	44	5.9	4.1	1.5	1.4	0.040	0.69	0.27	0.11	0.090	0.010	< 0.01	3.0	98
			Maximum	66	15	13	21	5.7	2.5	4.3	0.45	0.21	0.19	0.28	0.020	11	100
			Median	54	7.1	9.5	14	3.8	0.73	2.0	0.37	0.17	0.16	0.17	0.010	5.7	99
			Average	54	8.5	9.2	13	3.7	0.99	2.2	0.37	0.17	0.15	0.17	0.014	6.7	99
			Standard Deviation	8.2	3.2	2.6	6.8	1.3	0.95	1.2	0.056	0.035	0.032	0.098	0.0053	3.0	0.68
			75th Percentile	59	8.9	9.9	18	4.4	1.7	2.7	0.40	0.19	0.17	0.24	0.020	9.1	100
Komatiite South (V4A-0b) WT-Pit Waste			**Minimum**	44	4.8	8.0	7.9	1.4	0.16	1.1	0.21	0.12	0.080	0.10	< 0.01	3.6	97
			Maximum	64	12	11	21	8.2	1.5	7.0	0.60	0.30	0.20	0.27	0.020	12	101
			Median	48	7.4	9.7	16	5.4	0.55	2.0	0.40	0.19	0.16	0.23	0.020	7.5	100
			Average	49	7.8	9.6	16	5.0	0.74	2.4	0.43	0.20	0.15	0.21	0.018	7.9	100
			Standard Deviation	5.9	2.1	0.81	4.7	1.9	0.54	1.7	0.12	0.050	0.031	0.060	0.0042	2.9	0.96
			75th Percentile	49	9.0	10	21	5.8	1.3	2.2	0.54	0.23	0.16	0.26	0.020	10	100
Komatiite South (V4A-0b) UG Waste			**Minimum**	48	6.0	9.4	16	4.9	0.20	0.64	0.33	0.16	0.15	0.20	0.020	2.6	100
			Maximum	50	9.1	13	24	7.1	1.8	1.7	0.73	0.28	0.18	0.30	0.040	6.3	100
			Median	48	8.5	9.8	17	5.6	1.4	1.6	0.50	0.24	0.16	0.25	0.030	5.6	100
			Average	49	7.9	11	19	5.9	1.1	1.3	0.52	0.23	0.16	0.25	0.030	4.8	100
			Standard Deviation	1.3	1.6	1.7	4.5	1.1	0.84	0.60	0.20	0.061	0.015	0.050	0.0100	2.0	0.12
			75th Percentile	49	8.8	11	20	6.4	1.6	1.7	0.62	0.26	0.17	0.28	0.035	6.0	100

Appendixx F-6
Whole Rock Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
				%													
AMQ-ENV-54	WT - Pit	Ore	S10_03/V4A-0b	66	7.5	14	2.0	0.23	0.40	2.4	0.19	0.11	0.17	0.030	< 0.01	6.5	99
AMQ-ENV16-20	IVR	Waste	S3N/S10_contact	61	15	8.2	3.1	2.3	0.53	5.0	0.56	0.17	0.11	0.020	0.020	4.2	100
AMQ-ENV16-42	WT - Pit	Waste	S10_Contact	64	16	5.3	1.7	2.3	3.0	3.7	0.47	0.14	0.070	< 0.01	0.010	3.0	100
AMQ-ENV15-113	UG	Waste	S10_01/S3C	64	16	5.1	2.1	2.0	2.5	4.1	0.51	0.16	0.090	< 0.01	0.010	2.1	99
AMQ-ENV16-58	IVR	Waste	V4A-0a/V3-1a	50	13	11	6.6	11	1.0	1.8	0.78	0.060	0.28	0.050	0.060	4.1	101
AMQ-ENV17-56	UG	Waste	V4A-0b/S10_03	73	5.1	10	1.4	3.5	0.67	1.3	0.14	0.070	0.20	0.020	< 0.01	1.9	97
AMQ-ENV15-133	WT - Pit	Waste	S10_03/S3C	64	3.5	21	2.7	2.3	0.040	0.46	0.090	0.15	0.52	0.020	< 0.01	4.6	99
AMQ-ENV15-144	UG	Ore	S9E/S10_01	58	8.0	17	3.1	5.2	0.25	2.1	0.27	0.070	0.56	0.19	0.020	3.6	98
AMQ-ENV15-134	WT - Pit	Ore	S3C/S10_01	66	3.7	21	2.1	1.2	0.030	0.88	0.10	0.23	0.50	0.020	< 0.01	3.5	99
AMQ-ENV15-035	WT - Pit	Waste	S9E/S10_03/V4A-0b	37	5.8	38	6.1	9.0	0.45	0.50	0.25	0.030	1.3	0.22	0.010	1.0	100
AMQ-ENV15-062	UG	Waste	V4A-0a/S9E	39	6.8	10	23	5.7	0.020	0.070	0.34	0.030	0.16	0.31	0.020	14	100
AMQ-ENV15-072	UG	Waste	S10_03/V4A-0b/V3-1b	48	9.2	10	17	5.9	0.85	3.0	0.47	0.22	0.18	0.23	0.020	3.8	100
AMQ-ENV15-058	WT - Pit	Waste	S10_01/S3C	63	13	11	2.2	1.4	0.96	3.6	0.28	0.13	0.26	0.030	< 0.01	4.1	100
AMQ-ENV16-19	IVR	Waste	S3N/S10_contact	48	16	11	4.9	9.8	2.9	1.2	0.89	0.070	0.34	0.030	0.060	5.2	101
AMQ-ENV16-22	IVR	Waste	V3-1b/V4A-0a	55	11	13	5.2	5.4	1.2	2.0	0.63	0.080	0.16	0.030	0.030	4.7	99
AMQ-ENV16-Field Cell-UM	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	43	7.2	11	21	6.2	0.37	0.99	0.37	0.060	0.22	0.32	0.020	9.1	100
AMQ-ENV16-Field Cell-UM Duplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	43	7.4	11	21	6.2	0.35	1.1	0.38	0.060	0.21	0.32	0.020	8.5	99
AMQ-ENV16-Field Cell-UM Triplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	44	7.7	11	21	5.8	0.42	1.2	0.38	0.070	0.21	0.31	0.030	8.8	100
AMQ-ENV16-Field Cell-IF	WT - Pit	Waste	S9E/V4A-0a	42	8.3	25	8.2	9.1	0.54	1.6	0.42	0.070	0.87	0.36	0.020	2.3	99
AMQ-ENV16-Field Cell-IF Duplicate	WT - Pit	Waste	S9E/V4A-0a	42	7.8	25	8.4	9.6	0.64	1.4	0.39	0.080	0.85	0.32	0.020	2.5	98
AMQ-ENV16-Field Cell-IF Triplicate	WT - Pit	Waste	S9E/V4A-0a	43	8.3	25	8.3	9.3	0.69	1.2	0.44	0.050	0.95	0.34	0.030	2.3	99
C1	WT - Pit	Waste	S9E/V4A-0a	43	6.7	12	22	5.6	0.10	0.37	0.34	0.030	0.26	0.33	0.020	9.1	99
C2	WT - Pit	Waste	S9E/V4A-0a	42	8.5	15	16	6.2	0.82	0.86	0.39	0.040	0.49	0.31	0.030	7.1	99
C3	WT - Pit	Waste	S3C/S10	66	14	7.7	1.9	1.6	2.2	3.1	0.41	0.16	0.12	< 0.01	< 0.01	2.7	99
C4	WT - Pit	Waste	S3C/S3S	60	14	6.9	5.6	2.7	2.4	3.3	0.52	0.19	0.11	0.060	0.020	2.7	99
C5	WT - Pit	Waste	V4A-0b/V3-1b	48	8.2	9.5	16	6.3	1.1	2.0	0.45	0.20	0.17	0.19	0.010	7.3	99
C6	WT - Pit	Waste	S10/S3C/V4A-0b	66	7.2	15	2.3	1.7	0.52	1.9	0.22	0.11	0.27	0.040	< 0.01	3.5	98
C8	WT - Pit	Waste	S9E/V4A-0a/V4A-0b	43	7.7	14	18	6.2	0.48	1.1	0.38	0.080	0.35	0.32	0.030	7.6	99
C9	WT - Pit	Waste	S3N	63	16	6.9	2.3	1.7	2.1	4.1	0.53	0.16	0.090	0.010	0.020	2.4	100

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by rock type (with rock model code presented in brackets) and deposit location.
(2) Deposit location is WT-Pit (Whale Tail Pit), UG (Whale Tail Underground) or IVR (IVR Pit).
(-) = no data reported, no calculation required

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium
				pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		mg/L		as N mg/L		µg/L		mg/L											
AMQ-ENV17-32	IVR	Ore	V3-1a	9.7	39	94	0.11	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.10	< 0.00001	< 0.00005	0.41	0.90	0.0032	0.022	< 0.000007	< 0.000007	3.9	0.0000030	0.000019	0.00021
AMQ-ENV17-34	IVR	Ore	V3-1a	9.0	48	117	0.11	5.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.58	0.50	0.0018	0.013	< 0.000007	< 0.000007	9.2	< 0.000003	0.000072	0.00028
AMQ-ENV17-80	IVR	Ore	V3-1a	10	42	142	1.4	3.0	11	< 3	< 0.3	< 0.6	0.30	0.090	< 0.00001	< 0.00005	0.28	0.0026	0.34	0.025	< 0.000007	< 0.000007	3.5	0.0000050	0.0000060	0.00034
AMQ-ENV16-13	IVR	Waste	V3-1a	9.8	35	90	0.17	5.0	1.0	-	-	-	-	-	< 0.00001	0.000033	1.3	0.0050	0.0033	0.028	0.0000070	< 0.000007	3.9	0.0000030	0.000030	0.00012
AMQ-ENV16-14	IVR	Waste	V3-1a	9.4	34	109	0.26	12	2.0	-	-	-	-	-	< 0.00001	0.000011	0.67	0.0080	0.014	0.032	< 0.000007	0.0000090	6.4	< 0.000003	0.000017	0.000090
AMQ-ENV16-18	IVR	Waste	V3-1a	9.7	36	98	0.26	7.0	1.0	-	-	-	-	-	< 0.00001	0.0000050	0.76	0.032	0.0092	0.050	< 0.000007	< 0.000007	4.0	< 0.000003	0.000029	0.00027
AMQ-ENV16-41	IVR	Waste	V3-1a	9.5	32	78	0.19	5.0	1.0	-	-	-	-	-	< 0.00001	0.0000050	0.72	0.028	0.0023	0.024	< 0.000007	< 0.000007	5.8	< 0.000003	0.000013	0.000080
AMQ-ENV16-52	IVR	Waste	V3-1a	9.7	33	75	0.15	3.0	2.0	-	-	-	-	-	< 0.00001	0.0000030	0.55	0.0075	0.0013	0.032	< 0.000007	< 0.000007	4.2	< 0.000003	0.000011	0.000080
AMQ-ENV16-53	IVR	Waste	V3-1a	9.1	40	138	0.15	20	2.0	-	-	-	-	-	< 0.00001	0.0000060	0.12	0.64	0.0044	0.015	< 0.000007	0.0000070	10	< 0.000003	0.00012	0.00024
AMQ-ENV16-54	IVR	Waste	V3-1a	9.3	41	113	0.11	9.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.61	0.076	0.0029	0.014	< 0.000007	< 0.000007	6.9	< 0.000003	0.000065	0.000050
AMQ-ENV16-56	IVR	Waste	V3-1a	9.8	47	173	0.16	8.0	3.0	-	-	-	-	-	< 0.00001	0.0000020	0.049	6.1	0.011	0.014	< 0.000007	< 0.000007	3.6	< 0.000003	0.000042	0.0049
AMQ-ENV16-57	IVR	Waste	V3-1a	9.5	58	104	0.12	10	3.0	-	-	-	-	-	< 0.00001	0.0000040	0.52	0.021	0.0023	0.026	< 0.000007	< 0.000007	5.6	< 0.000003	0.000019	0.00029
AMQ-ENV16-60	IVR	Waste	V3-1a	9.7	37	105	0.14	2.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	1.5	0.039	0.0018	0.024	< 0.000007	< 0.000007	3.1	< 0.000003	0.000014	0.000070
AMQ-ENV16-61	IVR	Waste	V3-1a	9.6	66	155	0.12	3.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.080	0.15	0.099	0.014	< 0.000007	< 0.000007	3.7	< 0.000003	0.000016	0.00032
AMQ-ENV16-62	IVR	Waste	V3-1a	9.7	29	80	0.10	6.0	2.0	-	-	-	-	-	< 0.00001	0.0000030	0.42	0.053	0.0028	0.039	< 0.000007	< 0.000007	5.2	< 0.000003	0.000023	0.00085
AMQ-ENV17-33	IVR	Waste	V3-1a	9.7	29	72	0.080	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.0	0.039	0.0013	0.016	< 0.000007	< 0.000007	4.2	< 0.000003	0.0000070	0.000080
AMQ-ENV17-35	IVR	Waste	V3-1a	10	34	86	0.090	5.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.2	0.050	0.0042	0.030	< 0.000007	0.0000070	3.0	0.0000030	0.00015	0.00070
AMQ-ENV17-36	IVR	Waste	V3-1a	9.5	32	90	0.14	6.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.84	0.031	0.0020	0.015	< 0.000007	0.000011	4.7	0.0000040	0.000019	0.00021
AMQ-ENV17-41	IVR	Waste	V3-1a	9.8	29	79	0.11	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.48	0.039	0.0014	0.020	< 0.000007	< 0.000007	4.1	0.0000060	0.000043	0.00017
AMQ-ENV17-42	IVR	Waste	V3-1a	9.7	34	88	0.14	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.72	0.018	0.0032	0.028	< 0.000007	< 0.000007	3.4	< 0.000003	0.0000090	0.00010
AMQ-ENV17-45	IVR	Waste	V3-1a	10	29	68	0.10	4.0	< 2	< 3	< 0.3	< 0.6	0.40	0.090	0.000010	< 0.00005	0.39	0.22	0.00075	0.021	< 0.000007	< 0.000007	5.5	0.0000070	0.000018	0.00051
AMQ-ENV17-77	IVR	Waste	V3-1a	9.3	42	100	< 0.06	4.0	< 2	< 3	< 0.3	< 0.6	0.50	0.38	< 0.00001	< 0.00005	0.019	1.7	0.0034	0.017	< 0.000007	< 0.000007	10	0.0000030	0.000040	0.00055
AMQ-ENV17-78	IVR	Waste	V3-1a	9.9	25	62	0.15	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000020	< 0.00005	0.40	0.047	0.0019	0.033	< 0.000007	< 0.000007	5.3	0.0000040	0.000027	0.00049
Basalts North (V3N-1a) IVR Ore			**Minimum**	9.0	39	94	0.11	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.030	< 0.00001	< 0.00005	0.28	0.0026	0.0018	0.013	< 0.000007	< 0.000007	3.5	< 0.000003	0.0000060	0.00021
			Maximum	10	48	142	1.4	5.0	11	3.0	0.30	0.60	0.30	0.10	0.000010	0.000050	0.58	0.90	0.34	0.025	0.0000070	0.0000070	9.2	0.0000050	0.000072	0.00034
			Median	9.7	42	117	0.11	3.0	2.0	3.0	0.30	0.60	0.20	0.090	0.000010	0.000050	0.41	0.50	0.0032	0.022	0.0000070	0.0000070	3.9	0.0000030	0.000019	0.00028
			Average	9.4	43	118	0.53	3.3	5.0	3.0	0.30	0.60	0.23	0.073	0.000010	0.000050	0.42	0.47	0.11	0.020	0.0000070	0.0000070	5.5	0.0000037	0.000032	0.00028
			Standard Deviation	0.53	4.6	24	0.73	1.5	5.2	-	-	-	0.058	0.038	-	-	0.15	0.45	0.19	0.0062	-	-	3.2	0.0000012	0.000035	0.000065
			75th Percentile	9.9	45	130	0.75	4.0	6.5	3.0	0.30	0.60	0.25	0.095	0.000010	0.000050	0.49	0.70	0.17	0.024	0.0000070	0.0000070	6.5	0.0000040	0.000046	0.00031
Basalts North (V3N-1a) IVR Waste			**Minimum**	9.1	25	62	< 0.06	2.0	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.019	0.0050	0.00075	0.014	< 0.000007	< 0.000007	3.0	< 0.000003	0.0000070	0.000050
			Maximum	10	66	173	0.26	20	3.0	3.0	0.30	0.60	0.50	0.38	0.000020	0.000050	1.5	6.1	0.099	0.050	0.0000070	0.000011	10	0.0000070	0.00015	0.0049
			Median	9.7	34	90	0.14	5.0	2.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000085	0.58	0.039	0.0029	0.024	0.0000070	0.0000070	4.5	0.0000030	0.000021	0.00023
			Average	9.6	37	98	0.14	6.2	2.0	3.0	0.30	0.60	0.26	0.081	0.000011	0.000024	0.62	0.47	0.0086	0.025	0.0000070	0.0000073	5.2	0.0000035	0.000035	0.00051
			Standard Deviation	0.25	10	29	0.052	4.2	0.51	-	-	-	0.12	0.12	0.0000022	0.000023	0.41	1.4	0.022	0.0097	1.7E-21	0.00000098	2.1	0.0000011	0.000037	0.0011
			75th Percentile	9.8	40	106	0.15	7.3	2.0	3.0	0.30	0.60	0.25	0.045	0.000010	0.000050	0.78	0.094	0.0043	0.031	0.0000070	0.0000070	5.7	0.0000030	0.000041	0.00050
AMQ-ENV17-39	IVR	Waste	V3-1b	10	45	108	0.13	2.0	< 2	< 3	< 0.3	< 0.6	0.90	0.090	< 0.00001	< 0.00005	0.28	0.012	0.017	0.010	< 0.000007	< 0.000007	3.0	< 0.000003	0.00018	0.0059
AMQ-ENV16-01	WT - Pit	Waste	V3-1b	9.9	43	164	0.23	20	2.0	< 3	< 0.3	< 0.6	0.60	0.050	< 0.00001	< 0.000002	0.24	0.017	0.012	0.043	0.000017	< 0.000007	5.4	< 0.000003	0.00026	0.0052
AMQ-ENV-07	WT - Pit	Waste	V3-1b	9.2	37	204	0.84	< 2	44	< 3	< 0.3	< 0.6	-	0.040	< 0.00001	0.0000070	0.050	0.044	0.21	0.010	< 0.000007	< 0.000007	17	< 0.000003	0.000027	0.00035
AMQ-ENV16-06	WT - Pit	Waste	V3-1b	9.4	43	147	0.27	12	3.0	< 3	< 0.3	< 0.6	0.30	0.030	< 0.00001	0.0000030	0.36	0.047	0.015	0.072	0.000019	< 0.000007	4.7	< 0.000003	0.00014	0.0017
AMQ-ENV15-006	WT - Pit	Waste	V3-1b	9.6	38	99	0.11	2.0	< 1	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	0.000030	0.035	0.012	0.039	0.014	< 0.000007	0.000013	4.1	< 0.000003	0.000050	0.00071
AMQ-ENV-08	WT - Pit	Waste	V3-1b	9.7	37	141	0.69	< 2	19	< 3	< 0.3	< 0.6	-	0.090	< 0.00001	0.0000020	0.12	0.040	0.20	0.0085	0.000010	< 0.000007	7.8	0.0000040	0.00012	0.0021
AMQ-ENV15-004	WT - Pit	Waste	V3-1b	9.8	61	131	0.19	2.0	< 1	< 3	< 0.3	< 0.6	0.80	< 0.03	< 0.00001	< 0.000002	0.046	0.055	0.012	0.062	< 0.000007	< 0.000007	2.7	0.0000050	0.000064	0.0015
AMQ-ENV16-02	WT - Pit	Waste	V3-1b	9.3	47	137	0.32	10	2.0	< 3	< 0.3	< 0.6	0.30	0.030	< 0.00001	< 0.000002	0.19	0.023	0.017	0.060	0.000016	0.0000070	5.7	< 0.000003	0.000098	0.0015
AMQ-ENV15-024	WT - Pit	Waste	V3-1b	9.9	50	80	0.13	< 1	< 1	< 3	< 0.3	< 0.6	0.60	0.040	< 0.00001	< 0.000002	0.18	0.019	0.0061	0.0079	< 0.000007	< 0.000007	4.6	< 0.000003	0.000076	0.0016
AMQ-ENV15-094	WT - Pit	Waste	V3-1b	10.0	39	93	0.20	1.0	1.0	< 3	< 0.3	< 0.6	0.50	< 0.03	< 0.00001	< 0.000002	0.094	0.027	0.020	0.0074	< 0.000007	< 0.000007	3.9	< 0.000003	0.000069	0.00096
AMQ-ENV15-005	WT - Pit	Waste	V3-1b	9.6	55	124	0.19	2.0	< 1	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	< 0.000002	0.011	0.035	0.023	0.039	< 0.000007	< 0.000007	3.5	< 0.000003	0.000053	0.00054
AMQ-ENV-09	WT - Pit	Waste	V3-1b	9.8	46	122	0.14	2.5	4.4	< 3	< 0.3	< 0.6	-	0.040	< 0.00001	< 0.000002	0.050	0.048	0.037	0.015	< 0.000007	< 0.000007	4.1	< 0.000003	0.000030	0.00097
AMQ-ENV16-04	WT - Pit	Waste	V3-1b	9.7	44	146	0.16	11	2.0	< 3	< 0.3	< 0.6	0.40	0.040	< 0.00001	< 0.000002	0.13	0.092	0.032	0.017	< 0.000007	< 0.000007	3.3	< 0.000003	0.000014	0.00036
AMQ-ENV15-022	WT - Pit	Waste	V3-1b	10	54	107	0.20	1.0	< 1	< 3	< 0.3	< 0.6	0.70	< 0.03	< 0.00001	< 0.000002	0.11	0.010	0.046	0.0078	< 0.000007	< 0.000007	3.7	< 0.000003	0.000065	0.0014
AMQ-ENV15-013	WT - Pit	Waste	V3-1b	10	76	171	0.24	1.0	< 1	< 3	< 0.3	< 0.6	1.2	< 0.03	< 0.00001	< 0.000002	0.11	0.035	0.016	0.15	< 0.000007	< 0.000007	1.4	< 0.000003	0.000099	0.0030
AMQ-ENV-63	WT - Pit	Waste	V3-1b	9.8	60	149	0.31	2.0	4.1	< 3	< 0.3	< 0.6	0.80	< 0.03	< 0.00001	< 0.000002	0.22	0.049	0.0047	0.046	< 0.000007	< 0.000007	2.1	< 0.000003	0.000038	0.0010
AMQ-ENV16-03	WT - Pit	Waste	V3-1b	10.0	51	142	0.27	7.0	2.0	< 3	< 0.3	< 0.6	1.1	0.040	< 0.00001	0.0000050	0.40	0.0041	0.016	0.027	0.000012	< 0.000007	2.5	< 0.000003	0.00024	0.0079
AMQ-ENV15-001	WT - Pit	Waste	V3-1b	9.7	34	99	0.16	4.0	2.0	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	0.0000030	0.27	0.070	0.029	0.026	< 0.000007	< 0.000007	4.5	< 0.000003	0.000084	0.0013
AMQ-ENV15-104	WT - Pit	Waste	V3-1b	9.9	41	101	0.11	1.0	1.0	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	< 0.000002	0.062	0.0071	0.032	0.0097	< 0.000007	< 0.000007	3.3	0.0000050	0.000099	0.0011
AMQ-ENV16-12	WT - Pit	Waste	V3-1b	9.9	44	137	0.26	11	2.0	< 3	< 0.3	< 0.6	0.60	< 0.03	< 0.00001	< 0.000002	0.20	0.031	0.012	0.045	< 0.000007	< 0.000007	3.2	< 0.000003	0.000097	0.0030
AMQ-ENV-50	WT - Pit	Waste	V3-1b	9.6	60	140	0.32	< 2	3.6	< 3	< 0.3	< 0.6	0.70	< 0.03	< 0.00001	< 0.000002	0.26	0.035	0.0033	0.053	< 0.000007	< 0.000007	2.5	< 0.000003	0.0000090	0.00086
AMQ-ENV16-07	WT - Pit	Waste	V3-1b	10	49	130	0.25	4.0	1.0	< 3	< 0.3	< 0.6	0.80	< 0.03	< 0.00001	< 0.000002	0.12	0.00080	0.0093	0.042	< 0.000007	< 0.000007	2.5	< 0.000003	0.000024	0.0011
AMQ-ENV16-11	WT - Pit	Waste	V3-1b	10	53	133	0.19	2.0	2.0	< 3	< 0.3	< 0.6	1.0	< 0.03	< 0.00001	< 0.000002	0.077	0.011	0.011	0.028	< 0.000007	< 0.000007	2.4	< 0.000003	0.000034	0.0019
AMQ-ENV16-09	WT - Pit	Waste	V3-1b	10	58	143	0.24	5.0	2.0	< 3	< 0.3	< 0.6	1.2	< 0.03	< 0.00001	< 0.000002	0.14	0.0051	0.013	0.052	< 0.000007	< 0.000007	2.7	< 0.000003	0.00010	0.0041
AMQ-ENV16-10	WT - Pit	Waste	V3-1b	10	52	149	0.16	8.0	1.0	< 3	< 0.3	< 0.6	0.90	< 0.03	< 0.00001	< 0.000002	0.052	0.00090	0.016	0.039	< 0.000007	< 0.000007	3.0	< 0.000003	0.000041	0.0016
AMQ-ENV16-08	WT - Pit	Waste	V3-1b	10	69	165	0.38	3.0	2.0	< 3	< 0.3	< 0.6	1.8	< 0.03	< 0.00001	< 0.000002	0.17	0.0014	0.0034	0.10	< 0.000007	< 0.000007	1.6	< 0.000003	0.000037	0.0026
AMQ-ENV-118	WT - Pit	Waste	V3-1b	10	61	148	0.25	< 2	2.2	< 3	< 0.3	< 0.6	-	0.030	< 0.00001	< 0.000002	0.15	0.093	0.0048	0.057	< 0.000007	< 0.000007	1.9	< 0.000003	0.000012	0.0012
AMQ-ENV-61	WT - Pit	Waste	V3-1b	9.9	61	153	0.27	< 2	2.3	< 3	< 0.3	< 0.6	1.4	0.050	< 0.00001	0.0000040	0.066	0.31	0.0039	0.075	< 0.000007	0.000012	1.9	< 0.000003	0.0016	0.0031
AMQ-ENV-51	WT - Pit	Waste	V3-1b	9.8	51	124	0.27	< 2	2.6	< 3	< 0.3	< 0.6	2.6	0.56	< 0.00001	< 0.000002	0.097	1.9	0.0030	0.096	< 0.000007	< 0.000007	2.5	< 0.000003	0.00018	0.0049
AMQ-ENV-113	WT - Pit	Waste	V3-1b	10.0	58	128	0.21	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.0000020	0.28	0.0027	0.0029	0.063	< 0.000007	< 0.000007	1.7	0.0000080	0.000056	0.0015
AMQ-RMP-12	UG	Waste	V3-1b	9.8	38	85	0.38	2.0	1.0	< 3	< 0.3	< 0.6	< 0.2	0.060	< 0.00001	< 0.000002	0.49	0.0017	0.0052	0.020	< 0.000007	< 0.000007	2.7	< 0.000003	0.000097	0.00036
AMQ-RMP-11	UG	Waste	V3-1b	9.5	42	104	0.28	4.0	2.0	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.000002	0.47	0.0014	0.0099	0.023	< 0.000007	0.000018	4.0	< 0.000003	0.000022	0.00018
AMQ-ENV17-61	UG	Waste	V3-1b	10	44	103	0.32	1.0	< 2	< 3	< 0.3	< 0.6	1.0	0.090	< 0.00001	< 0.00005	0.34	0.023	0.015	0.045	< 0.000007	< 0.000007	3.3	0.0000030	0.00015	0.0056
AMQ-ENV15-052	UG	Waste	V3-1b	10	47	127	0.17	3.0	< 1	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	< 0.000002	0.21	0.17	0.035	0.022	< 0.000007	< 0.000007	2.2	< 0.000003	0.000046	0.00033
AMQ-ENV15-044	UG	Waste	V3-1b	10	48	108	0.19	1.0	< 1	< 3	< 0.3	< 0.6	0.80	< 0.03	< 0.00001	< 0.000002	0.048	0.020	0.020	0.041	< 0.000007	< 0.000007	4.5	< 0.000003	0.000074	0.0013
AMQ-ENV17-48	UG	Waste	V3-1b	10	42	94	0.12	1.0	< 2	< 3	< 0.3	< 0.6	0.80	0.040	< 0.00001	< 0.00005	0.29	0.0038	0.013	0.022	< 0.000007	< 0.000007	2.3	< 0.000003	0.000018	0.0013
AMQ-ENV17-60	UG	Waste	V3-1b	10	42	103	0.19	1.0	< 2	< 3	< 0.3	< 0.6	0.80	0.040	0.000010	< 0.00005	0.44	0.0045	0.015	0.058	< 0.000007	< 0.000007	2.4	0.0000060	0.00011	0.0040
AMQ-ENV17-53	UG	Waste	V3-1b	9.9	40	102	0.13	3.0	< 2	< 3	< 0.3	< 0.6	0.20	< 0.03	< 0.00001	< 0.00005	0.83	0.0044	0.011	0.043	< 0.000007	0.000012	2.6	0.0000080	0.000015	0.00033
AMQ-ENV15-050	UG	Waste	V3-1b	10	44	116	0.14	3.0	1.0	< 3	< 0.3	< 0.6	1.4	0.87	< 0.00001	< 0.000002	0.11	2.1	0.012	0.024	< 0.000007	< 0.000007	3.0	< 0.000003	0.000041	0.0013
AMQ-ENV17-28	UG	Waste	V3-1b	10	43	99	0.14	2.0	< 2	< 3	< 0.3	< 0.6	0.20	0.030	< 0.00001	< 0.00005	1.6	0.013	0.011	0.059	0.000010	< 0.000007	1.7	< 0.000003	0.00011	0.0017
AMQ-ENV17-52	UG	Waste	V3-1b	10	46	113	0.20	2.0	< 2	< 3	< 0.3	< 0.6	1.1	0.11	< 0.00001	< 0.00005	0.19	0.017	0.013	0.039	< 0.000007	< 0.000007	4.7	0.0000030	0.00011	0.0039
AMQ-ENV15-070	UG	Waste	V3-1b	10	56	133	0.14	< 1	< 1	< 3	< 0.3	< 0.6	0.80	< 0.03	< 0.00001	< 0.000002	0.10	0.092	0.012	0.069	< 0.000007	< 0.000007	2.2	< 0.000003	0.00010	0.0017
AMQ-ENV17-27	UG	Waste	V3-1b	10	44	113	0.24	2.0	< 2	< 3	< 0.3	< 0.6	1.2	0.050	< 0.00001	< 0.00005	0.15	0.0016	0.029	0.044	< 0.000007	< 0.000007	3.3	< 0.000003	0.000063	0.0030
AMQ-ENV17-54	UG	Waste	V3-1b	10	41	103	0.24	2.0	< 2	< 3	< 0.3	< 0.6	0.90	0.050	0.000010	< 0.00005	0.18	0.00090	0.021	0.043	< 0.000007	< 0.000007	2.8	0.0000050	0.000063	0.0025
Basalts South (V3S-1b) WT-Pit Waste			**Minimum**	9.2	34	80	0.11	1.0	< 1	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	< 0.000002	0.011	0.00080	0.0029	0.0074	< 0.000007	< 0.000007	1.4	< 0.000003	0.0000090	0.00035
			Maximum	10	76	204	0.84	20	44	3.0	0.30	0.60	2.6	0.56	0.000010	0.000030	0.40	1.9	0.21	0.15	0.000019	0.000013	17	0.0000080	0.0016	0.0079
			Median	9.9	51	137	0.24	2.0	2.0	3.0	0.30	0.60	0.70	0.030	0.000010	0.0000020	0.12	0.031	0.015	0.042	0.0000070	0.0000070	3.2	0.0000030	0.000065	0.0015
			Average	9.7	51	135	0.26	4.4	4.0	3.0	0.30	0.60	0.82	0.053	0.000010	0.0000034	0.15	0.10	0.029	0.044	0.0000083	0.0000074	3.8	0.0000033	0.00013	0.0020
			Standard Deviation	0.24	10	26	0.16	4.5	8.4	-	-	-	0.54	0.098	3.4E-21	0.0000052	0.098	0.34	0.050	0.033	0.0000033	0.0000014	2.8	0.0000010	0.00029	0.0017
			75th Percentile	10	58	148	0.27	5.0	2.3	3.0	0.30	0.60	1.0	0.040	0.000010	0.0000020	0.20	0.048	0.029	0.060	0.0000070	0.0000070	4.1	0.0000030	0.000099	0.0026
Basalts South (V3S-1b) UG Waste			**Minimum**	9.5	38	85	0.12	< 1	< 1	< 3	< 0.3	< 0.6	0.20	< 0.03	< 0.00001	< 0.000002	0.048	0.00090	0.0052	0.020	< 0.000007	< 0.000007	1.7	< 0.000003	0.000015	0.00018
			Maximum	10	56	133	0.38	4.0	2.0	3.0	0.30	0.60	1.4	0.87	0.000010	0.0000050	1.6	2.1	0.035	0.069	0.000010	0.000018	4.7	0.0000080	0.00015	0.0056
			Median	10	44	104	0.19	2.0	2.0	3.0	0.30	0.60	0.80	0.040	0.000010	0.000050	0.25	0.0089	0.013	0.042	0.0000070	0.0000070	2.7	0.0000030	0.000069	0.0015
			Average	10	44	107	0.21	2.0	1.6	3.0	0.30	0.60	0.71	0.11	0.000010	0.000029	0.39	0.17	0.016	0.039	0.0000072	0.0000081	3.0	0.0000037	0.000073	0.0020
			Standard Deviation	0.21	4.4	12	0.078	0.96	0.50	-	5.8E-17	1.2E-16	0.41	0.22	-	0.000025	0.39	0.55	0.0080	0.016	0.0000008	0.0000031	0.89	0.0000015	0.000041	0.0016
			75th Percentile	10	46	113	0.24	2.8	2.0	3.0	0.30	0.60	0.98	0.058	0.000010	0.000050	0.46	0.022	0.018	0.045	0.0000070	0.0000070	3.3	0.0000030	0.00011	0.0029

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
				mg/L													
AMQ-ENV17-32	IVR	Ore	V3-1a	1.9	0.00030	< 0.003	< 0.00001	0.014	0.000060	3.6	0.000070	0.022	0.00035	0.0000050	0.000017	0.025	< 0.002
AMQ-ENV17-34	IVR	Ore	V3-1a	6.2	0.0012	0.0040	0.000010	0.0072	< 0.00004	1.6	0.00015	0.060	0.000060	< 0.000005	0.0000060	0.0049	< 0.002
AMQ-ENV17-80	IVR	Ore	V3-1a	5.1	< 0.0001	0.048	0.00010	0.00090	0.0011	7.5	0.00010	0.72	0.00099	0.000021	0.000021	0.029	< 0.002
AMQ-ENV16-13	IVR	Waste	V3-1a	6.4	0.00020	< 0.003	0.000030	0.0075	0.00013	2.9	< 0.00001	0.014	0.00040	0.0000070	< 0.000002	0.024	< 0.002
AMQ-ENV16-14	IVR	Waste	V3-1a	2.5	0.00020	< 0.003	0.000010	0.0060	0.00010	1.8	< 0.00001	0.021	0.00021	0.0000060	< 0.000002	0.0031	< 0.002
AMQ-ENV16-18	IVR	Waste	V3-1a	6.7	0.00010	< 0.003	0.000030	0.013	0.00011	2.8	< 0.00001	0.016	0.00028	< 0.000005	< 0.000002	0.015	< 0.002
AMQ-ENV16-41	IVR	Waste	V3-1a	4.1	0.00010	0.0040	0.000010	0.0084	0.000090	2.3	0.000050	0.012	0.00030	0.0000080	< 0.000002	0.010	< 0.002
AMQ-ENV16-52	IVR	Waste	V3-1a	4.0	< 0.0001	0.0060	< 0.00001	0.0052	0.00011	3.4	< 0.00001	0.014	0.00036	0.0000060	0.000074	0.017	< 0.002
AMQ-ENV16-53	IVR	Waste	V3-1a	0.71	0.0028	0.0040	< 0.00001	0.020	0.00013	3.8	0.000070	0.032	0.00016	< 0.000005	0.000015	0.0050	< 0.002
AMQ-ENV16-54	IVR	Waste	V3-1a	3.3	0.00050	< 0.003	0.000060	0.0043	0.00010	1.7	0.000010	0.038	< 0.00005	< 0.000005	0.0000070	0.0045	< 0.002
AMQ-ENV16-56	IVR	Waste	V3-1a	1.2	0.0013	0.0070	0.000040	0.033	0.00062	10	0.000020	0.073	0.00030	0.000010	0.0000060	0.030	< 0.002
AMQ-ENV16-57	IVR	Waste	V3-1a	4.3	0.00020	< 0.003	0.000010	0.0077	0.00018	2.5	< 0.00001	0.020	0.00031	< 0.000005	< 0.000002	0.0092	< 0.002
AMQ-ENV16-60	IVR	Waste	V3-1a	5.7	< 0.0001	< 0.003	< 0.00001	0.0083	0.00012	1.7	0.000020	0.012	0.00033	< 0.000005	< 0.000002	0.015	< 0.002
AMQ-ENV16-61	IVR	Waste	V3-1a	5.6	0.00020	0.012	0.000020	0.0059	0.00020	6.9	< 0.00001	0.046	0.00014	0.000013	0.000018	0.014	< 0.002
AMQ-ENV16-62	IVR	Waste	V3-1a	3.6	0.00030	0.0040	0.000020	0.0058	0.00016	3.9	0.000030	0.013	0.00049	< 0.000005	0.0000030	0.017	< 0.002
AMQ-ENV17-33	IVR	Waste	V3-1a	3.8	< 0.0001	< 0.003	0.000010	0.0044	0.000050	1.9	0.000040	0.018	0.000070	< 0.000005	0.0000060	0.0092	< 0.002
AMQ-ENV17-35	IVR	Waste	V3-1a	5.0	0.00030	0.0070	0.000050	0.0047	0.00013	5.3	0.00014	0.012	0.017	< 0.000005	0.000012	0.040	< 0.002
AMQ-ENV17-36	IVR	Waste	V3-1a	4.4	< 0.0001	< 0.003	0.000010	0.0043	0.000060	1.8	0.00014	0.014	0.00050	< 0.000005	0.0000050	0.0061	< 0.002
AMQ-ENV17-41	IVR	Waste	V3-1a	2.8	0.00010	< 0.003	0.000040	0.0069	0.00013	4.0	0.000050	0.0069	0.00023	< 0.000005	0.0000040	0.023	< 0.002
AMQ-ENV17-42	IVR	Waste	V3-1a	3.4	0.00020	< 0.003	0.000020	0.0047	0.00013	2.4	0.000070	0.023	0.00017	< 0.000005	< 0.000002	0.013	< 0.002
AMQ-ENV17-45	IVR	Waste	V3-1a	4.0	0.00020	< 0.003	0.00018	0.0099	0.00015	7.7	0.000020	0.014	0.00039	0.000025	0.0000050	0.036	< 0.002
AMQ-ENV17-77	IVR	Waste	V3-1a	0.24	0.0020	< 0.003	0.000040	0.064	0.000060	4.9	< 0.00001	0.058	0.000090	0.000018	0.0000020	0.0058	< 0.002
AMQ-ENV17-78	IVR	Waste	V3-1a	2.9	0.00010	< 0.003	0.00010	0.0050	0.00011	4.7	0.000040	0.017	0.00072	0.0000050	0.0000060	0.019	< 0.002
Basalts North (V3N-1a) IVR Ore			**Minimum**	1.9	< 0.0001	< 0.003	< 0.00001	0.00090	< 0.00004	1.6	0.000070	0.022	0.000060	< 0.000005	0.0000060	0.0049	< 0.002
			Maximum	6.2	0.0012	0.048	0.00010	0.014	0.0011	7.5	0.00015	0.72	0.00099	0.000021	0.000021	0.029	0.0020
			Median	5.1	0.00030	0.0040	0.000010	0.0072	0.000060	3.6	0.00010	0.060	0.00035	0.0000050	0.000017	0.025	0.0020
			Average	4.4	0.00053	0.018	0.000040	0.0073	0.00040	4.2	0.00011	0.27	0.00047	0.000010	0.000015	0.019	0.0020
			Standard Deviation	2.2	0.00059	0.026	0.000052	0.0065	0.00060	3.0	0.000040	0.39	0.00048	0.0000092	0.0000078	0.013	-
			75th Percentile	5.6	0.00075	0.026	0.000055	0.011	0.00058	5.6	0.00013	0.39	0.00067	0.000013	0.000019	0.027	0.0020
Basalts North (V3N-1a) IVR Waste			**Minimum**	0.24	< 0.0001	< 0.003	< 0.00001	0.0043	0.000050	1.7	< 0.00001	0.0069	< 0.000005	< 0.000005	< 0.000002	0.0031	< 0.002
			Maximum	6.7	0.0028	0.012	0.00018	0.064	0.00062	10	0.00014	0.073	0.017	0.000025	0.000074	0.040	0.0020
			Median	3.9	0.00020	0.0030	0.000020	0.0065	0.00013	3.1	0.000020	0.017	0.00030	0.0000050	0.0000045	0.014	0.0020
			Average	3.7	0.00046	0.0042	0.000036	0.011	0.00014	3.8	0.000039	0.024	0.0011	0.0000077	0.0000089	0.016	0.0020
			Standard Deviation	1.7	0.00073	0.0023	0.000041	0.014	0.00012	2.3	0.000040	0.017	0.0038	0.0000053	0.000016	0.010	8.9E-19
			75th Percentile	4.5	0.00030	0.0040	0.000040	0.0088	0.00014	4.8	0.000050	0.025	0.00039	0.0000073	0.0000063	0.020	0.0020
AMQ-ENV17-39	IVR	Waste	V3-1b	5.9	0.0019	0.040	0.00018	0.0031	0.00028	15	0.00011	0.029	0.012	0.0000070	0.000043	0.027	< 0.002
AMQ-ENV16-01	WT - Pit	Waste	V3-1b	17	0.00090	0.045	0.00015	0.0022	0.00010	12	0.00011	0.019	0.0099	< 0.000005	0.00015	0.025	< 0.002
AMQ-ENV-07	WT - Pit	Waste	V3-1b	1.8	0.00050	0.059	< 0.00001	0.0026	0.015	5.4	0.000030	0.24	0.00075	0.000012	0.00098	0.037	< 0.001
AMQ-ENV16-06	WT - Pit	Waste	V3-1b	16	0.00060	0.027	0.00012	0.0030	0.00070	6.4	0.00011	0.024	0.0066	< 0.000005	0.000076	0.019	< 0.002
AMQ-ENV15-006	WT - Pit	Waste	V3-1b	1.8	0.00050	0.011	0.000070	0.0025	0.00065	8.4	0.000060	0.030	0.0013	< 0.000005	0.0000070	0.020	< 0.002
AMQ-ENV-08	WT - Pit	Waste	V3-1b	3.0	0.0015	0.11	0.00050	0.0015	0.0020	10	0.000060	0.20	0.0085	0.0000070	0.000072	0.035	< 0.001
AMQ-ENV15-004	WT - Pit	Waste	V3-1b	16	0.00040	0.022	0.000090	0.0031	0.00035	15	0.00070	0.022	0.0017	< 0.000005	0.000021	0.022	< 0.002
AMQ-ENV16-02	WT - Pit	Waste	V3-1b	15	0.00050	0.030	0.00012	0.0029	0.00055	6.5	0.00010	0.024	0.0049	< 0.000005	0.000058	0.018	< 0.002
AMQ-ENV15-024	WT - Pit	Waste	V3-1b	3.7	0.00040	0.039	0.000070	0.0018	0.00018	11	< 0.00001	0.025	0.0022	< 0.000005	0.00011	0.022	< 0.002
AMQ-ENV15-094	WT - Pit	Waste	V3-1b	2.7	0.00050	0.018	0.000050	0.0032	0.00020	11	< 0.00001	0.031	0.0012	< 0.000005	0.0000080	0.020	< 0.002
AMQ-ENV15-005	WT - Pit	Waste	V3-1b	8.5	0.00030	< 0.003	0.000010	0.0032	0.00024	7.8	0.000020	0.029	0.00053	< 0.000005	0.0000060	0.0078	< 0.002
AMQ-ENV-09	WT - Pit	Waste	V3-1b	2.5	0.00050	0.044	0.000020	0.0054	< 0.001	9.6	0.000030	0.028	0.0015	0.0000090	0.000037	0.016	< 0.001
AMQ-ENV16-04	WT - Pit	Waste	V3-1b	6.8	< 0.0001	0.0060	0.000020	0.0024	0.00010	5.9	0.00013	0.034	0.00029	0.000010	0.000011	0.015	< 0.002
AMQ-ENV15-022	WT - Pit	Waste	V3-1b	3.4	0.00040	0.023	0.000040	0.0046	0.00013	14	< 0.00001	0.057	0.0025	< 0.000005	0.000023	0.019	< 0.002
AMQ-ENV15-013	WT - Pit	Waste	V3-1b	20	0.00080	0.016	0.000060	0.0037	0.00033	16	0.000010	0.022	0.0049	< 0.000005	0.000030	0.021	< 0.002
AMQ-ENV-63	WT - Pit	Waste	V3-1b	12	0.00040	0.017	0.000050	0.0023	< 0.001	3.4	0.000030	0.033	0.0013	< 0.000005	0.000011	0.015	< 0.001
AMQ-ENV16-03	WT - Pit	Waste	V3-1b	12	0.0015	0.047	0.00026	0.0036	0.00029	9.1	0.00010	0.012	0.020	0.0000050	0.000072	0.030	< 0.002
AMQ-ENV15-001	WT - Pit	Waste	V3-1b	3.9	0.00060	0.026	0.000030	0.0031	0.00062	6.5	< 0.00001	0.050	0.0028	< 0.000005	0.00010	0.016	< 0.002
AMQ-ENV15-104	WT - Pit	Waste	V3-1b	2.2	0.0025	0.015	0.0014	0.0049	0.00011	10.0	0.000070	0.042	0.0014	< 0.000005	0.0000090	0.024	< 0.002
AMQ-ENV16-12	WT - Pit	Waste	V3-1b	17	0.00060	0.017	0.00010	0.0048	0.000050	7.2	0.000080	0.019	0.0066	< 0.000005	0.000063	0.024	< 0.002
AMQ-ENV-50	WT - Pit	Waste	V3-1b	13	0.00020	0.012	0.000010	0.011	< 0.001	2.5	0.000040	0.025	0.00081	< 0.000005	0.000021	0.012	< 0.001
AMQ-ENV16-07	WT - Pit	Waste	V3-1b	12	0.00020	0.013	0.000030	0.0029	0.00018	9.5	0.00022	0.034	0.00085	< 0.000005	0.000016	0.025	< 0.002
AMQ-ENV16-11	WT - Pit	Waste	V3-1b	11	0.00030	0.013	0.00012	0.0025	0.00023	9.1	0.00010	0.033	0.0027	< 0.000005	0.000022	0.023	< 0.002
AMQ-ENV16-09	WT - Pit	Waste	V3-1b	18	0.00070	0.018	0.00020	0.0042	0.00017	10	0.00016	0.035	0.0056	< 0.000005	0.000029	0.023	< 0.002
AMQ-ENV16-10	WT - Pit	Waste	V3-1b	14	0.00070	0.0070	0.000040	0.0046	0.000080	11	0.000090	0.048	0.0025	< 0.000005	0.000011	0.016	< 0.002
AMQ-ENV16-08	WT - Pit	Waste	V3-1b	23	0.00020	0.015	0.000080	0.0045	0.00023	8.4	0.000060	0.027	0.0022	< 0.000005	0.000042	0.020	< 0.002
AMQ-ENV-118	WT - Pit	Waste	V3-1b	13	0.00010	0.011	< 0.00001	0.0030	< 0.001	8.0	0.000080	0.047	0.0011	< 0.000005	0.000030	0.018	< 0.001
AMQ-ENV-61	WT - Pit	Waste	V3-1b	13	0.0013	0.010	0.000060	0.0066	< 0.001	8.1	0.000040	0.028	0.0040	< 0.000005	0.000068	0.018	< 0.001
AMQ-ENV-51	WT - Pit	Waste	V3-1b	11	0.0013	0.018	0.00010	0.014	< 0.001	5.8	0.00011	0.039	0.0047	< 0.000005	0.000027	0.023	< 0.001
AMQ-ENV-113	WT - Pit	Waste	V3-1b	13	0.00040	0.018	0.000090	0.0028	< 0.001	6.8	0.0017	0.017	0.0019	< 0.000005	0.000089	0.025	< 0.001
AMQ-RMP-12	UG	Waste	V3-1b	8.7	0.00020	0.069	0.000040	0.0012	< 0.001	2.5	0.000050	0.0052	0.017	< 0.000005	0.000013	0.015	< 0.002
AMQ-RMP-11	UG	Waste	V3-1b	11	0.00010	0.051	0.000030	0.0018	< 0.001	1.7	< 0.00001	0.0093	0.0063	< 0.000005	0.000023	0.0093	< 0.002
AMQ-ENV17-61	UG	Waste	V3-1b	6.0	0.0015	0.049	0.000080	0.0031	0.00026	12	< 0.00001	0.048	0.012	0.0000070	0.000024	0.031	< 0.002
AMQ-ENV15-052	UG	Waste	V3-1b	2.1	0.00010	0.0030	< 0.00001	0.0036	< 0.00004	5.4	0.000020	0.071	0.00013	0.0000050	0.000011	0.013	< 0.002
AMQ-ENV15-044	UG	Waste	V3-1b	7.7	0.00030	0.0050	< 0.00001	0.0024	0.00015	14	< 0.00001	0.072	0.0014	< 0.000005	0.0000080	0.020	< 0.002
AMQ-ENV17-48	UG	Waste	V3-1b	6.8	0.00020	0.012	0.000060	0.0021	0.00010	8.2	< 0.00001	0.053	0.0014	0.000010	0.000040	0.024	< 0.002
AMQ-ENV17-60	UG	Waste	V3-1b	5.4	0.0010	0.017	0.00011	0.0037	0.00027	7.5	0.000020	0.037	0.010	0.000010	0.000034	0.025	< 0.002
AMQ-ENV17-53	UG	Waste	V3-1b	9.4	0.00020	0.0070	0.000090	0.0046	0.00024	3.3	0.000010	0.053	0.00094	< 0.000005	0.000086	0.018	0.033
AMQ-ENV15-050	UG	Waste	V3-1b	4.0	0.00060	0.0040	< 0.00001	0.016	0.00021	8.9	< 0.00001	0.063	0.00015	< 0.000005	0.0000080	0.022	< 0.002
AMQ-ENV17-28	UG	Waste	V3-1b	11	0.00060	0.053	0.00026	0.0046	0.00036	5.4	0.00019	0.023	0.016	< 0.000005	0.00028	0.026	< 0.002
AMQ-ENV17-52	UG	Waste	V3-1b	7.0	0.00080	0.029	0.000090	0.0019	0.00021	16	0.000040	0.088	0.0056	0.0000070	0.000015	0.025	< 0.002
AMQ-ENV15-070	UG	Waste	V3-1b	9.4	0.00060	0.0080	0.00010	0.0020	0.000060	11	< 0.00001	0.025	0.0026	< 0.000005	0.000013	0.016	< 0.002
AMQ-ENV17-27	UG	Waste	V3-1b	3.2	0.00080	0.023	0.000040	0.0031	0.00019	12	0.000080	0.049	0.0041	0.0000060	0.000038	0.027	< 0.002
AMQ-ENV17-54	UG	Waste	V3-1b	3.1	0.00050	0.021	0.000080	0.0018	0.000090	8.2	0.000050	0.049	0.0036	0.0000050	0.0000040	0.020	< 0.002
Basalts South (V3S-1b) WT-Pit Waste			**Minimum**	1.8	< 0.0001	< 0.003	< 0.00001	0.0015	0.000050	2.5	< 0.00001	0.012	0.00029	< 0.000005	0.0000060	0.0078	< 0.001
			Maximum	23	0.0025	0.11	0.0014	0.014	0.015	16	0.0017	0.24	0.020	0.0000012	0.00098	0.037	0.0020
			Median	12	0.00050	0.018	0.000070	0.0031	0.00033	8.4	0.000070	0.030	0.0022	0.0000050	0.000030	0.020	0.0020
			Average	11	0.00065	0.025	0.00014	0.0040	0.0010	8.8	0.00015	0.044	0.0036	0.0000056	0.000076	0.021	0.0017
			Standard Deviation	6.2	0.00052	0.022	0.00027	0.0027	0.0027	3.1	0.00033	0.051	0.0041	0.0000017	0.00018	0.0062	0.00047
			75th Percentile	15	0.00070	0.027	0.00012	0.0046	0.0010	10	0.00011	0.039	0.0049	0.0000050	0.000072	0.024	0.0020
Basalts South (V3S-1b) UG Waste			**Minimum**	2.1	0.00010	0.0030	< 0.00001	0.0012	< 0.00004	1.7	< 0.00001	0.0052	0.00013	< 0.000005	0.0000040	0.0093	< 0.002
			Maximum	11	0.0015	0.069	0.00026	0.016	0.0010	16	0.00019	0.088	0.017	0.000010	0.00028	0.031	0.033
			Median	6.9	0.00055	0.019	0.000070	0.0028	0.00021	8.2	0.000015	0.049	0.0039	0.0000050	0.000019	0.021	0.0020
			Average	6.7	0.00054	0.025	0.000072	0.0037	0.00030	8.2	0.000037	0.046	0.0058	0.0000061	0.000043	0.021	0.0042
			Standard Deviation	2.9	0.00040	0.022	0.000064	0.0036	0.00031	4.2	0.000049	0.024	0.0058	0.0000018	0.000071	0.0060	0.0083
			75th Percentile	9.2	0.00075	0.044	0.000090	0.0037	0.00027	12	0.000048	0.061	0.0093	0.0000068	0.000037	0.025	0.0020

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium
				pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		mg/L		as N mg/L		µg/L		mg/L											
AMQ-ENV-34	WT - Pit	Ore	S10_03	8.8	52	222	0.20	< 2	16	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000019	0.18	0.080	0.0025	0.026	< 0.000007	< 0.000007	17	< 0.000003	0.000030	0.000050
AMQ-ENV15-073	WT - Pit	Ore	S10_03	9.6	40	87	0.12	3.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000020	0.87	0.071	0.0090	0.030	0.0000080	< 0.000007	3.0	< 0.000003	0.000090	0.00011
AMQ-ENV15-138	WT - Pit	Ore	S10_03	8.6	57	210	0.18	36	2.0	< 3	< 0.3	< 0.6	0.20	< 0.03	< 0.00001	0.0000050	0.026	0.053	0.010	0.13	0.00014	0.0038	19	0.0013	0.0012	0.0015
AMQ-ENV15-139	WT - Pit	Ore	S10_03	9.2	62	184	0.26	18	2.0	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	0.0000020	0.23	0.22	0.0065	0.12	0.00011	0.0027	4.2	0.0010	0.0010	0.0014
AMQ-ENV17-21	WT - Pit	Ore	S10_03	9.5	45	150	0.14	19	< 20	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000060	< 0.00005	0.83	0.020	0.0018	0.017	< 0.000007	0.000011	3.4	< 0.000003	0.000011	0.00020
AMQ-ENV15-009	WT - Pit	Ore	S10_03	9.0	38	143	0.12	22	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000090	0.088	0.12	0.0016	0.021	< 0.000007	0.000019	8.9	< 0.000003	0.000032	0.000040
AMQ-ENV15-025	WT - Pit	Ore	S10_03	9.5	43	123	0.13	14	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000080	0.073	0.045	0.0096	0.018	< 0.000007	0.000010	5.4	< 0.000003	0.000052	< 0.00003
AMQ-ENV17-19	WT - Pit	Ore	S10_03	9.7	36	80	0.22	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.00005	1.6	0.059	0.0053	0.018	0.000012	< 0.000007	2.1	0.0000030	0.00012	0.00041
AMQ-ENV-40	WT - Pit	Waste	S10_03	8.5	41	154	0.10	< 2	10	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.0000080	0.090	0.0074	0.0052	0.016	< 0.000007	< 0.000007	15	< 0.000003	0.000034	< 0.00003
AMQ-ENV15-037	WT - Pit	Waste	S10_03	5.2	9.0	192	0.10	6.0	58	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	< 0.000002	0.017	0.12	0.021	0.031	0.000098	< 0.000007	7.7	0.0000080	0.0060	< 0.00003
AMQ-ENV15-091	WT - Pit	Waste	S10_03	8.0	43	203	0.17	19	27	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000018	0.038	0.037	0.018	0.043	< 0.000007	< 0.000007	11	< 0.000003	0.000042	0.00012
AMQ-ENV15-054	WT - Pit	Waste	S10_01	8.0	62	288	0.14	42	39	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000075	0.13	0.0015	0.0081	0.022	< 0.000007	0.0000080	34	< 0.000003	0.000076	< 0.00003
AMQ-ENV15-088	WT - Pit	Waste	S10_03	8.5	52	190	0.12	30	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000020	0.11	0.022	0.014	0.024	< 0.000007	< 0.000007	14	< 0.000003	0.000050	0.000050
AMQ-ENV15-019	WT - Pit	Waste	S10_03	8.5	63	270	0.21	34	24	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000021	0.027	0.020	0.025	0.060	< 0.000007	< 0.000007	15	< 0.000003	0.000059	0.000070
AMQ-ENV15-092	WT - Pit	Waste	S10_01	8.9	54	181	0.080	24	2.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000090	0.020	0.11	0.011	0.017	< 0.000007	< 0.000007	9.3	< 0.000003	0.00029	0.00014
AMQ-ENV15-046	WT - Pit	Waste	S10_03	8.6	60	218	0.17	30	9.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000090	0.050	0.0016	0.019	0.049	< 0.000007	< 0.000007	14	< 0.000003	0.000046	0.000040
AMQ-ENV15-008	WT - Pit	Waste	S10_03	9.0	38	130	0.43	19	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.00016	0.34	0.0045	0.0021	0.022	< 0.000007	0.000036	9.3	< 0.000003	0.000052	< 0.00003
AMQ-ENV-48	WT - Pit	Waste	S10_03	7.9	38	1150	0.15	9.7	540	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000017	0.020	0.016	0.014	0.073	< 0.000007	< 0.000007	134	0.0000030	0.00011	< 0.00003
AMQ-ENV15-048	WT - Pit	Waste	S10_03	9.6	44	94	0.18	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	1.1	0.021	0.0023	0.024	< 0.000007	< 0.000007	4.1	< 0.000003	0.000028	0.000030
AMQ-ENV15-096	WT - Pit	Waste	S10_03	9.5	53	127	0.45	5.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.00022	1.3	0.040	0.0072	0.021	0.0000080	0.000038	3.0	< 0.000003	0.000057	0.00016
AMQ-ENV-53	WT - Pit	Waste	S10_03	9.4	56	138	0.38	< 2	4.4	< 3	< 0.3	< 0.6	0.40	0.040	< 0.00001	0.0000030	0.39	0.15	0.0022	0.070	< 0.000007	0.0000090	4.1	< 0.000003	0.000020	0.00047
AMQ-ENV15-141	WT - Pit	Waste	S10_03	9.8	66	155	0.26	8.0	< 1	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	0.00076	0.33	0.18	0.0024	0.12	0.000040	0.00044	1.8	0.00029	0.00028	0.00070
AMQ-ENV15-061	WT - Pit	Waste	S10_03	9.8	42	90	0.21	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.94	0.015	0.0062	0.021	< 0.000007	< 0.000007	3.3	< 0.000003	0.000092	0.00016
AMQ-ENV15-043	UG	Ore	S10_03	8.9	44	231	0.070	23	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.00032	0.0000090	0.030	0.012	0.012	0.014	< 0.000007	0.000010	12	< 0.000003	0.000045	< 0.00003
AMQ-ENV15-115	UG	Waste	S10_03	9.9	56	143	0.59	9.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000020	0.19	0.060	0.0013	0.044	< 0.000007	0.000011	2.0	< 0.000003	0.000036	0.000040
AMQ-ENV15-067	UG	Waste	S10_03	9.3	44	169	0.12	30	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.032	0.0093	0.0076	0.018	< 0.000007	0.0000080	6.9	< 0.000003	0.000039	< 0.00003
Chert Central (S10) WT-Pit Ore			**Minimum**	8.6	36	80	0.12	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000020	0.026	0.020	0.0016	0.017	< 0.000007	< 0.000007	2.1	< 0.000003	0.000011	< 0.00003
			Maximum	9.7	62	222	0.26	36	20	3.0	0.30	0.60	0.30	0.040	0.000060	0.000050	1.6	0.22	0.010	0.13	0.00014	0.0038	19	0.0013	0.0012	0.0015
			Median	9.4	44	147	0.16	16	2.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000085	0.21	0.065	0.0059	0.024	0.0000075	0.000011	4.8	0.0000030	0.000071	0.00016
			Average	9.1	47	150	0.17	15	5.6	3.0	0.30	0.60	0.21	0.031	0.000016	0.000018	0.49	0.084	0.0058	0.048	0.000038	0.00082	7.9	0.00029	0.00032	0.00047
			Standard Deviation	0.41	9.4	53	0.052	12	7.7	-	-	-	0.038	0.0035	0.000018	0.000020	0.56	0.063	0.0036	0.048	0.000056	0.0015	6.7	0.00053	0.00050	0.00062
			75th Percentile	9.5	53	191	0.21	20	5.5	3.0	0.30	0.60	0.20	0.030	0.000010	0.000027	0.84	0.091	0.0091	0.054	0.000038	0.00068	11	0.00025	0.00034	0.00066
Chert Central (S10) WT-Pit Waste			**Minimum**	5.2	9.0	90	0.080	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.017	0.0015	0.0021	0.016	< 0.000007	< 0.000007	1.8	< 0.000003	0.000020	< 0.00003
			Maximum	9.8	66	1150	0.45	42	540	3.0	0.30	0.60	0.40	0.050	0.000010	0.00076	1.3	0.18	0.025	0.12	0.000098	0.00044	134	0.00029	0.0060	0.00070
			Median	8.6	52	181	0.17	9.7	4.4	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000090	0.11	0.021	0.0081	0.024	0.0000070	0.0000070	9.3	0.0000030	0.000057	0.000050
			Average	6.3	48	239	0.21	16	48	3.0	0.30	0.60	0.22	0.032	0.000010	0.000087	0.33	0.050	0.010	0.041	0.000015	0.0000040	19	0.000022	0.00048	0.00014
			Standard Deviation	1.2	14	258	0.12	14	137	-	5.7E-17	1.1E-16	0.058	0.0056	-	0.00020	0.43	0.059	0.0076	0.029	0.000024	0.00011	33	0.000073	0.0015	0.00019
			75th Percentile	9.4	58	211	0.24	27	26	3.0	0.30	0.60	0.20	0.030	0.000010	0.000048	0.37	0.077	0.016	0.055	0.0000070	0.0000085	14	0.0000030	0.000100	0.00015
Chert Central (S10) UG Waste			**Minimum**	9.3	44	143	0.12	9.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.032	0.0093	0.0013	0.018	< 0.000007	0.0000080	2.0	< 0.000003	0.000036	< 0.00003
			Maximum	9.9	56	169	0.59	30	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.19	0.060	0.0076	0.044	0.0000070	0.000011	6.9	0.0000030	0.000039	0.000040
			Median	9.6	50	156	0.36	20	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.11	0.035	0.0045	0.031	0.0000070	0.0000095	4.4	0.0000030	0.000038	0.000035
			Average	9.5	50	156	0.36	20	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.11	0.035	0.0045	0.031	0.0000070	0.0000095	4.4	0.0000030	0.000038	0.000035
			Standard Deviation	0.44	8.5	18	0.33	15	-	-	-	-	-	-	-	-	0.11	0.036	0.0044	0.019	-	0.0000021	3.5	-	0.0000021	0.0000071
			75th Percentile	9.8	53	163	0.47	25	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.15	0.048	0.0060	0.038	0.0000070	0.000010	5.7	0.0000030	0.000038	0.000038
AMQ-ENV15-100	WT - Pit	Waste	I2S	9.5	45	112	0.25	3.0	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	1.0	0.012	0.0039	0.028	< 0.000007	< 0.000007	3.0	< 0.000003	0.000061	0.00019
AMQ-ENV15-077	WT - Pit	Waste	I2S	9.6	43	98	0.18	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	1.0	0.021	0.0083	0.024	< 0.000007	< 0.000007	3.7	< 0.000003	0.000050	0.000060
AMQ-ENV-114	WT - Pit	Waste	I2S	9.7	51	120	0.27	< 2	3.1	< 3	< 0.3	< 0.6	-	0.090	< 0.00001	0.0000030	1.4	0.029	0.0076	0.058	0.000017	< 0.000007	1.9	< 0.000003	0.00018	0.0015
AMQ-ENV15-002	WT - Pit	Waste	I2S	9.3	38	128	0.19	8.0	8.0	< 3	< 0.3	< 0.6	< 0.2	0.030	< 0.00001	< 0.000002	0.42	0.024	0.012	0.027	< 0.000007	< 0.000007	6.3	< 0.000003	0.000057	0.000040
AMQ-ENV17-23	WT - Pit	Waste	I2S	9.8	26	61	0.19	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.16	< 0.00001	< 0.00005	1.7	0.047	0.0054	0.015	0.000015	< 0.000007	0.49	< 0.000003	0.00016	0.00097
AMQ-ENV17-30	WT - Pit	Waste	I2S	9.9	39	93	0.22	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.10	< 0.00001	< 0.00005	1.7	0.099	0.0067	0.018	0.0000080	< 0.000007	1.7	0.000016	0.00019	0.00090
AMQ-ENV15-078	WT - Pit	Waste	I2S	9.5	41	113	0.17	4.0	3.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000080	0.63	0.016	0.0093	0.017	< 0.000007	< 0.000007	5.6	0.0000030	0.000050	0.000070
AMQ-ENV17-22	WT - Pit	Waste	I2S	9.7	36	96	0.23	3.0	3.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.3	0.024	0.0059	0.014	< 0.000007	< 0.000007	3.2	< 0.000003	0.000058	0.00034
AMQ-ENV-65	WT - Pit	Waste	I2S	9.6	52	172	0.33	10	14	< 3	< 0.3	< 0.6	0.60	< 0.03	< 0.00001	0.0000020	0.57	0.049	0.0022	0.082	< 0.000007	< 0.000007	4.0	< 0.000003	0.00028	0.00065
AMQ-ENV17-24	WT - Pit	Waste	I2S	9.1	21	62	0.20	3.0	4.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000010	< 0.00005	0.87	0.0088	0.0043	0.011	0.0000080	< 0.000007	2.6	0.0000070	0.00017	0.00067
AMQ-ENV17-16	WT - Pit	Waste	I2S	9.6	31	81	0.17	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.0	0.015	0.0032	0.016	< 0.000007	< 0.000007	3.9	< 0.000003	0.000012	0.00015
AMQ-ENV17-29	WT - Pit	Waste	I2S	9.6	33	82	0.20	3.0	2.0	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.00005	1.2	0.060	0.0043	0.015	< 0.000007	< 0.000007	2.6	0.0000050	0.00011	0.00047
AMQ-ENV17-26	WT - Pit	Waste	I2S	9.7	34	75	0.15	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000010	< 0.00005	1.3	0.012	0.0026	0.018	< 0.000007	< 0.000007	3.8	< 0.000003	0.000016	0.00018
AMQ-RMP-08	UG	Waste	I2S	9.7	42	89	0.26	1.0	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.73	0.0079	0.0040	0.022	< 0.000007	< 0.000007	3.3	< 0.000003	0.000010	0.000080
AMQ-RMP-07	UG	Waste	I2S	9.9	47	108	0.25	1.0	1.0	< 3	< 0.3	< 0.6	< 0.2	0.14	< 0.00001	0.0000040	1.2	0.051	0.011	0.027	0.000011	< 0.000007	2.0	0.0000070	0.00014	0.00086
AMQ-RMP-01	UG	Waste	I2S	9.7	84	113	0.13	2.0	2.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000069	1.0	0.012	0.019	0.052	0.000036	< 0.000007	3.0	0.000011	0.00012	0.00048
AMQ-RMP-09	UG	Waste	I2S	9.7	43	98	0.35	2.0	1.0	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	< 0.000002	0.72	0.0018	0.0072	0.027	< 0.000007	< 0.000007	3.4	< 0.000003	0.000033	0.00024
AMQ-RMP-10	UG	Waste	I2S	9.7	44	92	0.29	< 1	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	1.0	0.0077	0.0053	0.022	< 0.000007	< 0.000007	3.0	< 0.000003	0.000047	0.00024
AMQ-RMP-02	UG	Waste	I2S	9.8	46	112	0.16	1.0	2.0	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	0.000043	1.1	0.019	0.017	0.034	0.000047	< 0.000007	2.6	0.0000040	0.00011	0.00048
AMQ-ENV15-114	UG	Waste	I2S	9.7	42	93	0.25	1.0	1.0	< 3	< 0.3	< 0.6	< 0.2	0.10	< 0.00001	< 0.000002	0.91	0.017	0.010	0.019	< 0.000007	< 0.000007	2.6	< 0.000003	0.00017	0.00036
AMQ-RMP-03	UG	Waste	I2S	9.7	47	108	0.26	< 1	1.0	< 3	< 0.3	< 0.6	< 0.2	0.060	< 0.00001	0.000019	0.89	0.0081	0.012	0.030	0.000011	< 0.000007	3.4	< 0.000003	0.000069	0.00021
AMQ-RMP-04	UG	Waste	I2S	9.3	43	179	0.42	19	16	< 3	< 0.3	< 0.6	< 0.2	0.030	< 0.00001	0.000077	0.12	0.0030	0.024	0.045	< 0.000007	0.00011	8.6	< 0.000003	0.000048	0.00010
AMQ-RMP-05	UG	Waste	I2S	10.0	45	104	0.26	< 1	1.0	< 3	< 0.3	< 0.6	0.20	0.11	< 0.00001	0.000010	0.13	0.0079	0.0079	0.055	< 0.000007	< 0.000007	3.7	< 0.000003	0.000097	0.00022
AMQ-RMP-06	UG	Waste	I2S	9.9	48	106	0.24	1.0	1.0	< 3	< 0.3	< 0.6	< 0.2	0.090	< 0.00001	0.000029	1.3	0.016	0.0098	0.052	< 0.000007	< 0.000007	2.4	0.0000030	0.000051	0.00038
South Diorite (IS2) WT-Pit Waste			**Minimum**	9.1	21	61	0.15	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.42	0.0088	0.0022	0.011	< 0.000007	< 0.000007	0.49	< 0.000003	0.000012	0.000040
			Maximum	9.9	52	172	0.33	10	14	3.0	0.30	0.60	0.60	0.16	0.000010	0.000050	1.7	0.099	0.012	0.082	0.000017	0.0000070	6.3	0.000016	0.00028	0.0015
			Median	9.6	38	96	0.20	3.0	2.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.000050	1.0	0.024	0.0054	0.018	0.0000070	0.0000070	3.2	0.0000030	0.000061	0.00034
			Average	9.5	38	99	0.21	3.6	3.6	3.0	0.30	0.60	0.23	0.051	0.000010	0.000028	1.1	0.032	0.0059	0.026	0.0000085	0.0000070	3.3	0.0000045	0.00011	0.00048
			Standard Deviation	0.21	9.0	30	0.049	2.5	3.6	-	5.8E-17	1.2E-16	0.12	0.041	-	0.000024	0.41	0.026	0.0029	0.020	0.0000034	1.8E-21	1.5	0.0000037	0.000081	0.00045
			75th Percentile	9.7	43	113	0.23	3.0	3.1	3.0	0.30	0.60	0.20	0.040	0.000010	0.000050	1.3	0.047	0.0076	0.027	0.0000080	0.0000070	3.9	0.0000030	0.00017	0.00067
South Diorite (IS2) UG Waste			**Minimum**	9.3	42	89	0.13	< 1	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.12	0.0018	0.0040	0.019	< 0.000007	< 0.000007	2.0	< 0.000003	0.000010	0.000080
			Maximum	10.0	84	179	0.42	19	16	3.0	0.30	0.60	0.20	0.14	0.000010	0.000077	1.3	0.051	0.024	0.055	0.000047	0.00011	8.6	0.000011	0.00017	0.00086
			Median	9.7	45	106	0.26	1.0	1.0	3.0	0.30	0.60	0.20	0.050	0.000010	0.000010	0.91	0.0081	0.010	0.030	0.0000070	0.0000070	3.0	0.0000030	0.000069	0.00024
			Average	9.7	48	109	0.26	2.8	2.5	3.0	0.30	0.60	0.20	0.065	0.000010	0.000024	0.83	0.014	0.012	0.035	0.000014	0.000016	3.4	0.0000042	0.000081	0.00033
			Standard Deviation	0.18	12	25	0.079	5.4	4.5	-	5.8E-17	1.2E-16	2.9E-17	0.039	-	0.000028	0.39	0.014	0.0061	0.014	0.000014	0.000030	1.8	0.0000026	0.000049	0.00022
			75th Percentile	9.8	47	110	0.28	1.5	1.5	3.0	0.30	0.60	0.20	0.095	0.000010	0.000036	1.1	0.017	0.015	0.048	0.000011	0.0000070	3.4	0.0000035	0.00011	0.00043

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
				mg/L													
AMQ-ENV-34	WT - Pit	Ore	S10_03	1.4	0.00030	< 0.009	0.000020	0.0034	< 0.001	2.1	0.000040	0.020	0.00021	0.0000070	0.00044	0.00026	< 0.001
AMQ-ENV15-073	WT - Pit	Ore	S10_03	9.7	0.00030	0.016	0.00018	0.0032	< 0.00004	3.9	< 0.00001	0.0070	0.0059	< 0.000005	0.0010	0.0047	< 0.002
AMQ-ENV15-138	WT - Pit	Ore	S10_03	12	0.0014	< 0.003	0.0014	0.0049	0.0044	3.1	0.000040	0.036	< 0.00005	0.0014	0.0015	0.0015	< 0.002
AMQ-ENV15-139	WT - Pit	Ore	S10_03	20	0.0012	0.011	0.0012	0.0047	0.0026	3.2	0.000040	0.0094	0.0019	0.0012	0.0012	0.0020	< 0.002
AMQ-ENV17-21	WT - Pit	Ore	S10_03	20	< 0.0001	0.0050	0.000040	0.0042	< 0.00004	2.2	0.00022	0.013	0.0027	< 0.000005	0.000079	0.0018	< 0.002
AMQ-ENV15-009	WT - Pit	Ore	S10_03	9.1	0.00030	< 0.003	< 0.00001	0.0030	0.00025	3.6	0.000030	0.033	0.00029	< 0.000005	0.000079	0.00032	< 0.002
AMQ-ENV15-025	WT - Pit	Ore	S10_03	14	< 0.0001	< 0.003	< 0.00001	0.0022	0.00018	4.4	< 0.00001	0.017	0.00027	< 0.000005	0.000057	0.0010	< 0.002
AMQ-ENV17-19	WT - Pit	Ore	S10_03	6.5	0.00030	0.034	0.00010	0.0043	0.000060	4.4	0.00010	0.0073	0.0079	0.0000050	0.0022	0.014	< 0.002
AMQ-ENV-40	WT - Pit	Waste	S10_03	0.81	0.00040	< 0.009	0.000040	0.0021	< 0.001	3.4	0.000030	0.017	0.00045	0.0000070	0.00013	0.00019	< 0.001
AMQ-ENV15-037	WT - Pit	Waste	S10_03	6.2	0.018	< 0.003	< 0.00001	0.0010	0.0011	6.3	< 0.00001	0.050	0.00023	0.000014	0.000030	< 0.00001	< 0.002
AMQ-ENV15-091	WT - Pit	Waste	S10_03	8.7	0.00030	< 0.003	0.000010	0.0021	0.00092	3.0	< 0.00001	0.027	0.00055	< 0.000005	0.00014	0.00016	< 0.002
AMQ-ENV15-054	WT - Pit	Waste	S10_01	2.4	0.00090	< 0.003	< 0.00001	0.0024	< 0.00004	1.9	< 0.00001	0.034	0.00053	< 0.000005	0.00044	0.00010	< 0.002
AMQ-ENV15-088	WT - Pit	Waste	S10_03	7.9	0.00020	< 0.003	0.000020	0.0021	0.00013	1.6	0.000020	0.032	0.00046	< 0.000005	0.000038	0.00010	< 0.002
AMQ-ENV15-019	WT - Pit	Waste	S10_03	8.6	0.0012	< 0.003	0.000040	0.0058	0.00032	3.5	0.00026	0.032	0.00054	< 0.000005	0.00061	0.00017	< 0.002
AMQ-ENV15-092	WT - Pit	Waste	S10_01	8.9	0.0065	< 0.003	0.000020	0.0066	0.00012	3.4	< 0.00001	0.026	0.00057	< 0.000005	0.000035	0.00032	< 0.002
AMQ-ENV15-046	WT - Pit	Waste	S10_03	15	0.00020	< 0.003	< 0.00001	0.0017	0.00014	2.2	< 0.00001	0.038	0.00039	< 0.000005	0.00014	0.000060	< 0.002
AMQ-ENV15-008	WT - Pit	Waste	S10_03	9.1	0.00040	< 0.003	0.000020	0.0047	< 0.00004	1.7	< 0.00001	0.019	0.00021	< 0.000005	0.000046	0.00023	< 0.002
AMQ-ENV-48	WT - Pit	Waste	S10_03	35	0.0011	< 0.003	0.000020	0.0010	0.0030	3.2	0.00010	0.34	0.000050	0.000016	0.0011	0.000080	< 0.001
AMQ-ENV15-048	WT - Pit	Waste	S10_03	8.8	< 0.0001	< 0.003	< 0.00001	0.0027	< 0.00004	2.1	0.000030	0.0090	0.00029	< 0.000005	0.00021	0.0013	< 0.002
AMQ-ENV15-096	WT - Pit	Waste	S10_03	13	0.00010	0.0030	0.000060	0.0044	0.000060	1.7	0.000020	0.0069	0.0049	< 0.000005	0.000093	0.0018	< 0.002
AMQ-ENV-53	WT - Pit	Waste	S10_03	14	0.00020	0.011	0.000060	0.0097	< 0.001	3.6	0.000060	0.0092	0.0014	< 0.000005	0.0023	0.0052	< 0.001
AMQ-ENV15-141	WT - Pit	Waste	S10_03	31	0.00040	0.018	0.00035	0.017	0.00087	6.2	0.000060	0.0029	0.0010	0.00035	0.00036	0.0036	< 0.002
AMQ-ENV15-061	WT - Pit	Waste	S10_03	11	0.00020	0.0090	0.00013	0.0027	< 0.00004	4.5	0.000060	0.010	0.0066	< 0.000005	0.00049	0.0080	< 0.002
AMQ-ENV15-043	UG	Ore	S10_03	10	0.00020	< 0.003	0.000010	0.0031	0.000040	2.6	< 0.00001	0.041	0.00050	< 0.000005	0.000046	0.00015	< 0.002
AMQ-ENV15-115	UG	Waste	S10_03	26	< 0.0001	0.0070	0.000020	0.0040	0.00012	4.9	0.00031	0.0056	0.00020	< 0.000005	0.000035	0.0019	< 0.002
AMQ-ENV15-067	UG	Waste	S10_03	24	0.00010	< 0.003	< 0.00001	0.0015	< 0.00004	3.0	< 0.00001	0.049	0.00025	< 0.000005	0.000029	0.00024	< 0.002
Chert Central (S10) WT-Pit Ore			**Minimum**	1.4	< 0.0001	< 0.003	< 0.00001	0.0022	< 0.00004	2.1	< 0.00001	0.0070	< 0.00005	< 0.000005	0.000057	0.00026	< 0.001
			Maximum	20	0.0014	0.034	0.0014	0.0049	0.0044	4.4	0.00022	0.036	0.0079	0.0014	0.0022	0.014	0.0020
			Median	11	0.00030	0.0070	0.000070	0.0038	0.00022	3.4	0.000040	0.015	0.0011	0.0000050	0.00073	0.0017	0.0020
			Average	12	0.00050	0.011	0.00037	0.0037	0.0011	3.4	0.000061	0.018	0.0024	0.00033	0.00081	0.0032	0.0019
			Standard Deviation	6.4	0.00050	0.011	0.00057	0.00093	0.0016	0.89	0.000070	0.011	0.0030	0.00060	0.00077	0.0046	0.00035
			75th Percentile	15	0.00053	0.012	0.00043	0.0044	0.0014	4.0	0.000055	0.023	0.0035	0.00030	0.0012	0.0027	0.0020
Chert Central (S10) WT-Pit Waste			**Minimum**	0.81	< 0.0001	< 0.003	< 0.00001	0.0010	< 0.00004	1.6	< 0.00001	0.0029	0.000050	< 0.000005	0.000030	< 0.00001	< 0.001
			Maximum	35	0.018	0.018	0.00035	0.017	0.0030	6.3	0.00026	0.34	0.0066	0.00035	0.0023	0.0080	0.0020
			Median	8.9	0.00040	0.0030	0.000020	0.0027	0.00014	3.2	0.000020	0.026	0.00053	0.0000050	0.00014	0.00019	0.0020
			Average	12	0.0020	0.0053	0.000054	0.0044	0.00059	3.2	0.000047	0.043	0.0012	0.000030	0.00041	0.0014	0.0018
			Standard Deviation	9.4	0.0048	0.0045	0.000088	0.0042	0.00079	1.5	0.000065	0.082	0.0019	0.000090	0.00060	0.0024	0.00041
			75th Percentile	14	0.0010	0.0060	0.000050	0.0053	0.00096	3.6	0.000060	0.033	0.00079	0.0000060	0.00046	0.0015	0.0020
Chert Central (S10) UG Waste			**Minimum**	24	< 0.0001	< 0.003	< 0.00001	0.0015	< 0.00004	3.0	< 0.00001	0.0056	0.00020	< 0.000005	0.000029	0.00024	< 0.002
			Maximum	26	0.00010	0.0070	0.000020	0.0040	0.00012	4.9	0.00031	0.049	0.00025	0.0000050	0.000035	0.0019	0.0020
			Median	25	0.00010	0.0050	0.000015	0.0028	0.000080	4.0	0.00016	0.027	0.00023	0.0000050	0.000032	0.0011	0.0020
			Average	25	0.00010	0.0050	0.000015	0.0028	0.000080	4.0	0.00016	0.027	0.00023	0.0000050	0.000032	0.0011	0.0020
			Standard Deviation	0.85	-	0.0028	0.0000071	0.0018	0.000057	1.3	0.00021	0.030	0.000035	-	0.0000042	0.0012	-
			75th Percentile	25	0.00010	0.0060	0.000018	0.0034	0.000100	4.5	0.00024	0.038	0.00024	0.0000050	0.000034	0.0015	0.0020
AMQ-ENV15-100	WT - Pit	Waste	I2S	8.6	0.00010	0.049	0.00035	0.0015	0.000060	2.1	< 0.00001	0.0090	0.0064	< 0.000005	0.00023	0.0072	< 0.002
AMQ-ENV15-077	WT - Pit	Waste	I2S	9.7	< 0.0001	0.029	0.000030	0.0024	0.00019	2.9	0.000020	0.012	0.0026	< 0.000005	0.00052	0.012	< 0.002
AMQ-ENV-114	WT - Pit	Waste	I2S	15	0.00070	0.10	0.00020	0.0022	< 0.001	4.3	0.00039	0.0055	0.032	0.0000090	0.00066	0.014	0.0010
AMQ-ENV15-002	WT - Pit	Waste	I2S	9.9	0.00010	0.039	0.00010	0.0022	0.0016	2.5	0.000030	0.024	0.0018	< 0.000005	0.00027	0.0065	< 0.002
AMQ-ENV17-23	WT - Pit	Waste	I2S	3.9	0.00030	0.17	0.00032	0.0016	0.00018	4.1	0.00011	0.0018	0.035	0.0000090	0.00057	0.022	0.0020
AMQ-ENV17-30	WT - Pit	Waste	I2S	4.5	0.00060	0.12	0.00018	0.0039	0.00018	4.1	0.00014	0.0047	0.027	0.0000070	0.0017	0.026	< 0.002
AMQ-ENV15-078	WT - Pit	Waste	I2S	11	0.00030	0.027	0.000070	0.0027	0.00012	2.2	< 0.00001	0.015	0.0023	< 0.000005	0.00037	0.0070	< 0.002
AMQ-ENV17-22	WT - Pit	Waste	I2S	4.6	0.00020	0.050	0.000050	0.0037	0.00024	2.5	0.000060	0.0073	0.011	0.0000050	0.00059	0.017	< 0.002
AMQ-ENV-65	WT - Pit	Waste	I2S	21	0.00040	0.012	0.000030	0.0038	< 0.001	2.0	0.000040	0.011	0.0021	< 0.000005	0.00021	0.0070	< 0.001
AMQ-ENV17-24	WT - Pit	Waste	I2S	3.7	0.00030	0.034	0.00020	0.0014	0.00033	2.0	0.00016	0.0095	0.024	0.0000060	0.00026	0.0057	< 0.002
AMQ-ENV17-16	WT - Pit	Waste	I2S	4.7	< 0.0001	0.046	0.000020	0.0034	0.000060	2.4	0.000080	0.014	0.0011	0.0000060	0.00039	0.012	< 0.002
AMQ-ENV17-29	WT - Pit	Waste	I2S	5.8	0.00020	0.082	0.00010	0.0027	0.00022	2.9	0.000090	0.0086	0.021	0.0000050	0.00075	0.014	< 0.002
AMQ-ENV17-26	WT - Pit	Waste	I2S	4.9	< 0.0001	0.030	0.000040	0.0026	0.00011	2.6	0.00013	0.013	0.0030	< 0.000005	0.00047	0.012	< 0.002
AMQ-RMP-08	UG	Waste	I2S	11	< 0.0001	0.032	0.000010	0.0031	< 0.001	2.0	0.000050	0.0075	0.0022	< 0.000005	0.00013	0.0084	< 0.002
AMQ-RMP-07	UG	Waste	I2S	11	0.00020	0.13	0.00010	0.0051	< 0.001	3.9	0.000080	0.0053	0.027	0.0000060	0.00060	0.020	< 0.002
AMQ-RMP-01	UG	Waste	I2S	13	0.00030	0.034	0.00075	0.0017	0.00027	5.8	0.000080	0.0055	0.027	0.0000012	0.0025	0.0059	< 0.002
AMQ-RMP-09	UG	Waste	I2S	9.8	0.00010	0.048	0.000010	0.0017	< 0.001	1.8	0.000030	0.0083	0.0059	< 0.000005	0.000039	0.014	< 0.002
AMQ-RMP-10	UG	Waste	I2S	12	0.00010	0.046	0.000070	0.0023	< 0.001	2.0	< 0.00001	0.0068	0.011	< 0.000005	0.00010	0.012	< 0.002
AMQ-RMP-02	UG	Waste	I2S	12	0.00030	0.047	0.00058	0.0027	0.00023	5.4	0.000090	0.0046	0.031	0.000014	0.0037	0.0062	< 0.002
AMQ-ENV15-114	UG	Waste	I2S	10	0.00020	0.098	0.000060	0.0018	< 0.00004	3.0	< 0.00001	0.0074	0.026	< 0.000005	0.00023	0.018	< 0.002
AMQ-RMP-03	UG	Waste	I2S	12	0.00020	0.052	0.0017	0.0016	0.00016	3.0	< 0.00001	0.0063	0.012	0.0000050	0.00046	0.010	< 0.002
AMQ-RMP-04	UG	Waste	I2S	10.0	0.00060	0.046	0.000020	0.0021	0.00015	2.6	0.000050	0.019	0.00061	< 0.000005	0.000042	0.0098	< 0.002
AMQ-RMP-05	UG	Waste	I2S	9.8	0.00020	0.11	< 0.00001	0.0023	0.000070	6.1	0.000050	0.0098	0.0092	< 0.000005	0.000031	0.032	< 0.002
AMQ-RMP-06	UG	Waste	I2S	12	0.00010	0.061	0.00010	0.0051	0.00010	2.3	0.000030	0.0046	0.011	0.0000050	0.00015	0.015	< 0.002
South Diorite (IS2) WT-Pit Waste			**Minimum**	3.7	< 0.0001	0.012	0.000020	0.0014	< 0.001	2.0	< 0.00001	0.0018	0.0011	< 0.000005	0.00021	0.0057	< 0.001
			Maximum	21	0.00070	0.17	0.00035	0.0039	0.0016	4.3	0.00039	0.024	0.035	0.0000090	0.0017	0.026	0.0020
			Median	5.8	0.00020	0.046	0.00010	0.0026	0.00019	2.5	0.000080	0.0095	0.0064	0.0000050	0.00047	0.012	0.0020
			Average	8.2	0.00027	0.061	0.00013	0.0026	0.00041	2.8	0.000098	0.010	0.013	0.0000059	0.00054	0.012	0.0018
			Standard Deviation	5.0	0.00020	0.045	0.00011	0.00087	0.00048	0.81	0.00010	0.0055	0.013	0.0000015	0.00039	0.0062	0.00038
			75th Percentile	9.9	0.00030	0.082	0.00020	0.0034	0.00033	2.9	0.00013	0.013	0.024	0.0000060	0.00059	0.014	0.0020
South Diorite (IS2) UG Waste			**Minimum**	9.8	0.00010	0.032	< 0.00001	0.0016	0.000040	1.8	< 0.00001	0.0046	0.00061	< 0.000005	0.000031	0.0059	< 0.002
			Maximum	13	0.00060	0.13	0.0017	0.0051	0.0010	6.1	0.000090	0.019	0.031	0.000014	0.0037	0.032	0.0020
			Median	11	0.00020	0.048	0.000070	0.0023	0.00023	3.0	0.000050	0.0068	0.011	0.0000050	0.00015	0.012	0.0020
			Average	11	0.00022	0.064	0.00031	0.0027	0.00046	3.4	0.000045	0.0078	0.015	0.0000065	0.00073	0.014	0.0020
			Standard Deviation	1.0	0.00015	0.032	0.00054	0.0013	0.00044	1.6	0.000029	0.0042	0.011	0.0000032	0.0012	0.0075	4.5E-19
			75th Percentile	12	0.00025	0.080	0.00034	0.0029	0.0010	4.6	0.000065	0.0079	0.026	0.0000055	0.00053	0.016	0.0020

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium
				pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		mg/L		as N mg/L		µg/L	mg/L												
AMQ-ENV-28	WT - Pit	Ore	S3C	6.6	3.0	130	0.060	< 2	44	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000010	< 0.01	0.031	0.0084	0.016	0.0000070	< 0.000007	3.3	0.000074	0.0078	< 0.00003
AMQ-ENV-29	WT - Pit	Ore	S3C	8.0	64	327	0.090	< 2	43	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000043	0.020	0.0052	0.0071	0.013	< 0.000007	0.000011	30	< 0.000003	0.000047	< 0.00003
AMQ-ENV-36	WT - Pit	Ore	S3C	8.4	39	137	0.090	< 2	6.8	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.0000060	0.31	0.057	0.0032	0.016	< 0.000007	< 0.000007	13	< 0.000003	0.000020	< 0.00003
AMQ-ENV15-108	WT - Pit	Ore	S3C	9.7	45	91	0.19	1.0	< 1	< 3	< 0.3	< 0.6	0.20	0.030	< 0.00001	< 0.000002	1.4	0.054	0.0038	0.035	< 0.000007	< 0.000007	2.5	< 0.000003	0.000066	0.00029
AMQ-ENV15-140	WT - Pit	Ore	S3C	9.7	59	134	0.26	1.0	2.0	< 3	< 0.3	< 0.6	0.40	0.060	< 0.00001	< 0.000002	0.97	0.22	0.0074	0.12	0.00010	0.0016	2.2	0.00087	0.00094	0.0018
AMQ-ENV-42	WT - Pit	Ore	S3C	9.7	52	100	0.27	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.0000020	1.8	0.059	0.0058	0.059	0.000016	< 0.000007	2.9	0.000015	0.00024	0.00096
AMQ-ENV-13	WT - Pit	Waste	S3C	9.1	36	117	0.22	3.0	8.9	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.0000070	0.59	0.037	0.018	0.083	0.0000090	0.0000080	3.1	< 0.000003	0.000060	0.00068
AMQ-ENV-109	WT - Pit	Waste	S3C	9.4	53	114	0.29	< 2	4.3	< 3	< 0.3	< 0.6	-	0.050	< 0.00001	0.0000070	1.5	0.046	0.0055	0.065	0.000015	0.000012	2.4	< 0.000003	0.00023	0.00099
AMQ-ENV-18	WT - Pit	Waste	S3C	9.4	41	98	0.20	< 2	< 2	< 3	< 0.3	< 0.6	-	1.0	< 0.00001	0.0000030	1.9	0.084	0.033	0.056	0.000031	0.000026	3.7	< 0.000003	0.00019	0.0012
AMQ-ENV-14	WT - Pit	Waste	S3C	9.4	24	46	0.12	< 2	< 2	< 3	< 0.3	< 0.6	-	0.080	< 0.00001	0.0000050	2.6	0.075	0.023	0.14	0.000030	0.000019	0.25	< 0.000003	0.00031	0.0013
AMQ-ENV15-056	WT - Pit	Waste	S3C	9.2	40	114	0.19	4.0	6.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000090	1.0	0.060	0.011	0.027	0.0000080	0.000017	5.9	< 0.000003	0.00016	0.00033
AMQ-ENV-03	WT - Pit	Waste	S3C	8.7	36	130	0.12	< 2	8.7	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.0000060	0.54	0.0045	0.0037	0.013	< 0.000007	< 0.000007	12	< 0.000003	0.000055	0.000070
AMQ-ENV-19	WT - Pit	Waste	S3C	9.6	39	83	0.090	< 2	< 2	< 3	< 0.3	< 0.6	-	0.030	< 0.00001	0.0000020	1.8	0.066	0.023	0.061	0.000017	0.000023	2.6	< 0.000003	0.00010	0.0010
AMQ-ENV-41	WT - Pit	Waste	S3C	9.8	54	107	0.23	< 2	< 2	< 3	< 0.3	< 0.6	-	0.090	< 0.00001	0.0000020	2.2	0.13	0.0092	0.072	0.000021	< 0.000007	1.8	0.0000080	0.00021	0.00098
AMQ-ENV15-075	WT - Pit	Waste	S3C	9.4	44	104	0.17	6.0	< 1	< 3	< 0.3	< 0.6	0.20	0.030	< 0.00001	< 0.000002	0.81	0.058	0.0028	0.050	< 0.000007	< 0.000007	3.9	< 0.000003	0.000058	0.00012
AMQ-ENV15-098	WT - Pit	Waste	S3C	9.5	41	90	0.14	3.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.080	< 0.00001	0.0000030	1.1	0.15	0.0071	0.024	0.000010	< 0.000007	2.6	< 0.000003	0.000084	0.00013
AMQ-ENV-37	WT - Pit	Waste	S3C	9.5	62	108	0.24	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.0000080	1.1	0.12	0.0045	0.051	0.000012	< 0.000007	4.2	< 0.000003	0.00016	0.00061
AMQ-ENV15-106	WT - Pit	Waste	S3C	9.7	54	109	0.27	2.0	< 1	< 3	< 0.3	< 0.6	0.60	< 0.03	< 0.00001	0.0000020	0.98	0.0057	0.0017	0.10	< 0.000007	< 0.000007	2.3	< 0.000003	0.000037	0.00053
AMQ-ENV15-064	WT - Pit	Waste	S3C	9.3	40	110	0.17	7.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	0.0000040	0.82	0.11	0.0035	0.038	< 0.000007	< 0.000007	3.6	< 0.000003	0.000061	0.00014
AMQ-ENV15-107	WT - Pit	Waste	S3C	9.7	43	89	0.21	1.0	< 1	< 3	< 0.3	< 0.6	0.20	< 0.03	< 0.00001	< 0.000002	1.1	0.022	0.0012	0.051	< 0.000007	< 0.000007	1.9	< 0.000003	0.000022	0.00020
AMQ-ENV15-065	WT - Pit	Waste	S3C	9.6	40	86	0.16	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.000002	1.4	0.042	0.0084	0.042	0.000010	< 0.000007	2.3	< 0.000003	0.00013	0.00036
AMQ-ENV15-066	WT - Pit	Waste	S3C	9.4	42	101	0.21	4.0	2.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000032	1.4	0.037	0.011	0.041	0.0000070	< 0.000007	4.0	< 0.000003	0.00017	0.00023
AMQ-ENV-46	WT - Pit	Waste	S3C	9.7	54	110	< 0.06	< 2	< 2	< 3	< 0.3	< 0.6	-	0.040	0.000010	0.0000040	2.3	0.099	0.012	0.052	0.000030	0.0000080	2.6	< 0.000003	0.00017	0.00097
AMQ-ENV15-074	WT - Pit	Waste	S3C	9.6	42	94	0.17	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.000002	1.4	0.040	0.0024	0.034	< 0.000007	< 0.000007	2.3	< 0.000003	0.000057	0.00015
AMQ-ENV-11	WT - Pit	Waste	S3C	9.8	35	75	0.10	< 2	< 2	< 3	< 0.3	< 0.6	-	0.060	< 0.00001	< 0.000002	2.0	0.12	0.0064	0.019	0.000015	< 0.000007	2.9	< 0.000003	0.00011	0.00032
AMQ-ENV-20	WT - Pit	Waste	S3C	9.8	41	81	0.18	< 2	< 2	< 3	< 0.3	< 0.6	-	0.030	< 0.00001	< 0.000002	2.3	0.060	0.018	0.057	0.000015	0.000017	1.9	< 0.000003	0.00021	0.0012
AMQ-ENV15-097	WT - Pit	Waste	S3C	9.7	42	91	0.12	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	< 0.000002	1.1	0.16	0.0023	0.026	0.0000070	< 0.000007	2.9	0.0000030	0.000044	< 0.00003
AMQ-ENV15-042	WT - Pit	Waste	S3C	9.7	33	69	0.30	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.030	< 0.00001	< 0.000002	1.9	0.029	0.0037	0.018	< 0.000007	< 0.000007	2.6	< 0.000003	0.000062	0.00021
AMQ-ENV-12	WT - Pit	Waste	S3C	9.7	34	71	0.16	< 2	2.1	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	1.8	0.025	0.0042	0.019	0.0000080	< 0.000007	3.8	< 0.000003	0.000086	0.00025
AMQ-ENV15-142	WT - Pit	Waste	S3C	9.6	50	112	0.33	2.0	1.0	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	0.00029	0.80	0.020	0.0027	0.072	0.000031	0.00037	3.8	0.00025	0.00023	0.00058
AMQ-ENV15-143	WT - Pit	Waste	S3C	9.7	56	129	0.65	1.0	2.0	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	0.000041	0.97	0.021	0.0035	0.081	0.000029	0.00030	2.8	0.00019	0.00020	0.00067
AMQ-ENV15-112	UG	Ore	S3C	9.6	49	110	0.41	4.0	< 1	< 3	< 0.3	< 0.6	0.80	< 0.03	< 0.00001	0.0000040	0.85	0.045	0.0010	0.17	< 0.000007	< 0.000007	0.72	< 0.000003	0.000054	0.00072
AMQ-ENV15-112	UG	Ore	S3C	9.6	49	110	0.41	4.0	< 1	< 3	< 0.3	< 0.6	0.80	< 0.03	< 0.00001	0.0000040	0.85	0.045	0.0010	0.17	< 0.000007	< 0.000007	0.72	< 0.000003	0.000054	0.00072
AMQ-ENV15-085	UG	Ore	S3C	8.9	40	125	0.12	16	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000080	0.38	0.13	0.0087	0.016	< 0.000007	0.000024	9.1	< 0.000003	0.00010	< 0.00003
AMQ-ENV15-060	UG	Waste	S3C	9.8	47	97	0.17	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	0.0000050	1.3	0.14	0.0067	0.018	0.0000070	0.000012	2.0	< 0.000003	0.00016	0.00022
AMQ-ENV15-120	UG	Waste	S3C	9.7	44	105	0.19	3.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	0.0000060	1.7	0.21	0.0085	0.031	0.000021	< 0.000007	2.5	< 0.000003	0.00011	0.00025
Central Greywacke (S3C) WT-Pit Ore			**Minimum**	6.6	3.0	91	0.060	1.0	1.0	3.0	0.30	0.60	-	0.030	0.000010	0.0000020	0.010	0.0052	0.0032	0.013	0.0000070	0.0000070	2.2	0.0000030	0.000020	0.000030
			Maximum	9.7	64	327	0.41	4.0	44	3.0	0.30	0.60	0.80	0.060	0.000010	0.000043	1.8	0.22	0.0084	0.17	0.00010	0.0016	30	0.00087	0.0078	0.0018
			Median	9.6	49	130	0.19	2.0	2.0	3.0	0.30	0.60	0.40	0.030	0.000010	0.0000040	0.85	0.054	0.0058	0.035	0.0000070	0.0000070	2.9	0.0000030	0.000066	0.00029
			Average	7.4	44	147	0.20	2.0	14	3.0	0.30	0.60	0.47	0.034	0.000010	0.0000099	0.77	0.067	0.0052	0.060	0.000022	0.00023	7.8	0.00014	0.0013	0.00055
			Standard Deviation	1.2	20	81	0.13	1.0	20	-	-	-	0.31	0.011	-	0.000015	0.69	0.069	0.0027	0.060	0.000035	0.00058	11	0.00032	0.0029	0.00066
			75th Percentile	9.7	56	136	0.27	2.0	25	3.0	0.30	0.60	0.60	0.030	0.000010	0.0000080	1.2	0.058	0.0072	0.089	0.000012	0.0000090	8.1	0.000045	0.00059	0.00084
Central Greywacke (S3C) WT-Pit Waste			**Minimum**	8.7	24	46	0.060	1.0	1.0	3.0	0.30	0.60	-	0.030	0.000010	0.0000020	0.54	0.0045	0.0010	0.013	0.0000070	0.0000070	0.25	0.0000030	0.000022	0.000030
			Maximum	9.8	62	130	0.65	7.0	8.9	3.0	0.30	0.60	0.60	1.0	0.000010	0.00029	2.6	0.16	0.033	0.14	0.000031	0.00037	12	0.00025	0.00031	0.0013
			Median	9.6	41	101	0.18	2.0	2.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000030	1.4	0.058	0.0055	0.051	0.000010	0.0000070	2.8	0.0000030	0.00011	0.00036
			Average	9.4	43	98	0.20	2.4	2.4	3.0	0.30	0.60	0.25	0.080	0.000010	0.000018	1.4	0.065	0.0089	0.052	0.000014	0.000036	3.3	0.000021	0.00013	0.00053
			Standard Deviation	0.25	8.7	20	0.11	1.4	2.2	-	1.1E-16	2.3E-16	0.12	0.19	-	0.000057	0.58	0.045	0.0082	0.029	0.0000090	0.000091	2.1	0.000061	0.000077	0.00041
			75th Percentile	9.7	50	110	0.23	2.0	2.0	3.0	0.30	0.60	0.20	0.050	0.000010	0.0000070	1.9	0.099	0.011	0.065	0.000017	0.000017	3.8	0.0000030	0.00019	0.00097
Central Greywacke (S3C) UG Ore			**Minimum**	8.9	40	110	0.12	4.0	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000040	0.38	0.045	0.0010	0.016	0.0000070	0.0000070	0.72	0.0000030	0.000054	0.000030
			Maximum	9.6	49	125	0.41	16	1.0	3.0	0.30	0.60	0.80	0.030	0.000010	0.0000080	0.85	0.13	0.0087	0.17	0.0000070	0.000024	9.1	0.0000030	0.00010	0.00072
			Median	9.3	45	118	0.27	10	1.0	3.0	0.30	0.60	0.50	0.030	0.000010	0.0000060	0.62	0.089	0.0048	0.091	0.0000070	0.000016	4.9	0.0000030	0.000078	0.00038
			Average	9.1	45	118	0.27	10	1.0	3.0	0.30	0.60	0.50	0.030	0.000010	0.0000060	0.62	0.089	0.0048	0.091	0.0000070	0.000016	4.9	0.0000030	0.000078	0.00038
			Standard Deviation	0.49	6.4	11	0.21	8.5	-	-	-	-	0.42	-	-	0.0000028	0.33	0.062	0.0054	0.11	-	0.000012	5.9	-	0.000033	0.00049
			75th Percentile	9.4	47	121	0.34	13	1.0	3.0	0.30	0.60	0.65	0.030	0.000010	0.0000070	0.73	0.11	0.0067	0.13	0.0000070	0.000020	7.0	0.0000030	0.000089	0.00055
Central Greywacke (S3C) UG Waste			**Minimum**	9.7	44	97	0.17	2.0	1.0	3.0	0.30	0.60	0.20	0.040	0.000010	0.0000050	1.3	0.14	0.0067	0.018	0.0000070	0.0000070	2.0	0.0000030	0.00011	0.00022
			Maximum	9.8	47	105	0.19	3.0	1.0	3.0	0.30	0.60	0.20	0.050	0.000010	0.0000060	1.7	0.21	0.0085	0.031	0.000021	0.000012	2.5	0.0000030	0.00016	0.00025
			Median	9.8	46	101	0.18	2.5	1.0	3.0	0.30	0.60	0.20	0.045	0.000010	0.0000055	1.5	0.17	0.0076	0.024	0.000014	0.0000095	2.3	0.0000030	0.00013	0.00024
			Average	9.8	46	101	0.18	2.5	1.0	3.0	0.30	0.60	0.20	0.045	0.000010	0.0000055	1.5	0.17	0.0076	0.024	0.000014	0.0000095	2.3	0.0000030	0.00013	0.00024
			Standard Deviation	0.035	2.1	5.7	0.014	0.71	-	-	-	-	-	0.0071	-	0.00000071	0.27	0.054	0.0013	0.0094	0.0000099	0.0000035	0.40	-	0.000037	0.000021
			75th Percentile	9.8	46	103	0.19	2.8	1.0	3.0	0.30	0.60	0.20	0.048	0.000010	0.0000058	1.6	0.19	0.0080	0.028	0.000018	0.000011	2.4	0.0000030	0.00015	0.00024

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
				mg/L													
AMQ-ENV-28	WT - Pit	Ore	S3C	4.8	0.035	< 0.009	< 0.00001	0.00070	0.0040	5.0	0.000020	0.018	0.00016	0.000047	0.000019	0.000070	< 0.001
AMQ-ENV-29	WT - Pit	Ore	S3C	1.8	0.0014	0.012	< 0.00001	0.0022	0.0010	2.7	0.000030	0.048	0.00010	0.000010	0.00055	0.000070	< 0.001
AMQ-ENV-36	WT - Pit	Ore	S3C	2.3	0.00020	0.011	0.000040	0.0030	< 0.001	2.9	0.000040	0.017	0.00062	< 0.000005	0.0014	0.00045	< 0.001
AMQ-ENV15-108	WT - Pit	Ore	S3C	13	0.00010	0.025	0.00010	0.0017	< 0.00004	4.3	< 0.00001	0.0052	0.0039	< 0.000005	0.00061	0.0097	< 0.002
AMQ-ENV15-140	WT - Pit	Ore	S3C	16	0.0010	0.013	0.0011	0.0048	0.0022	6.0	0.000050	0.0049	0.0065	0.0010	0.0016	0.016	< 0.002
AMQ-ENV-42	WT - Pit	Ore	S3C	15	0.00080	0.021	0.00041	0.0041	< 0.001	5.8	0.000050	0.0093	0.014	0.0000070	0.00088	0.011	< 0.001
AMQ-ENV-13	WT - Pit	Waste	S3C	9.7	0.00050	0.024	0.000090	0.0028	0.0010	2.8	0.000060	0.0089	0.0059	0.0000060	0.00026	0.0038	< 0.001
AMQ-ENV-109	WT - Pit	Waste	S3C	16	0.00090	0.053	0.00049	0.0028	< 0.001	3.8	0.000040	0.0057	0.0097	0.0000090	0.00076	0.0083	< 0.001
AMQ-ENV-18	WT - Pit	Waste	S3C	9.7	0.00080	0.038	0.00036	0.0027	< 0.001	4.8	0.000070	0.0098	0.021	0.000012	0.0019	0.0091	0.0020
AMQ-ENV-14	WT - Pit	Waste	S3C	9.5	0.0015	0.097	0.00061	0.0023	< 0.001	5.4	0.000060	0.0024	0.022	0.000011	0.00017	0.010	0.0020
AMQ-ENV15-056	WT - Pit	Waste	S3C	11	0.00060	0.014	0.00046	0.0044	0.00018	3.1	0.000040	0.011	0.0075	< 0.000005	0.00073	0.0054	< 0.002
AMQ-ENV-03	WT - Pit	Waste	S3C	4.3	0.00040	0.035	0.000020	0.0011	< 0.001	2.2	0.000040	0.023	0.0018	0.000014	0.00038	0.00069	< 0.001
AMQ-ENV-19	WT - Pit	Waste	S3C	9.5	0.00030	0.042	0.00020	0.0030	< 0.001	4.7	0.000050	0.0060	0.013	0.0000080	0.0010	0.011	< 0.001
AMQ-ENV-41	WT - Pit	Waste	S3C	13	0.00060	0.050	0.00026	0.0030	< 0.001	5.7	0.000080	0.0039	0.018	0.000013	0.0017	0.013	< 0.001
AMQ-ENV15-075	WT - Pit	Waste	S3C	12	0.00020	0.017	0.000030	0.0027	0.00012	3.0	< 0.00001	0.0073	0.0020	< 0.000005	0.00032	0.0032	< 0.002
AMQ-ENV15-098	WT - Pit	Waste	S3C	10	0.00020	0.029	0.00011	0.0024	< 0.00004	3.4	0.000050	0.0068	0.0061	< 0.000005	0.00086	0.0096	< 0.002
AMQ-ENV-37	WT - Pit	Waste	S3C	11	0.00090	0.023	0.00014	0.0048	< 0.001	3.7	0.000060	0.0088	0.0074	0.0000060	0.0016	0.0085	< 0.001
AMQ-ENV15-106	WT - Pit	Waste	S3C	18	< 0.0001	0.0080	0.000070	0.0020	< 0.00004	4.3	< 0.00001	0.0073	0.0017	< 0.000005	0.00097	0.0056	< 0.002
AMQ-ENV15-064	WT - Pit	Waste	S3C	14	0.00020	0.026	0.000040	0.0026	0.00025	3.3	0.000030	0.0081	0.0028	< 0.000005	0.00069	0.0084	< 0.002
AMQ-ENV15-107	WT - Pit	Waste	S3C	13	< 0.0001	0.018	0.000040	0.0024	0.00011	4.1	< 0.00001	0.0044	0.0014	< 0.000005	0.00078	0.0088	< 0.002
AMQ-ENV15-065	WT - Pit	Waste	S3C	11	0.00040	0.030	0.00018	0.0021	0.00012	4.2	< 0.00001	0.0055	0.0085	< 0.000005	0.00077	0.011	< 0.002
AMQ-ENV15-066	WT - Pit	Waste	S3C	9.4	0.00060	0.019	0.00016	0.0025	0.00014	2.8	0.000010	0.011	0.0062	< 0.000005	0.00043	0.0083	< 0.002
AMQ-ENV-46	WT - Pit	Waste	S3C	15	0.00070	0.032	0.00049	0.0019	< 0.001	5.4	0.000060	0.0048	0.017	0.0000090	0.00082	0.0092	0.0010
AMQ-ENV15-074	WT - Pit	Waste	S3C	12	0.00010	0.026	0.000060	0.0028	< 0.00004	4.0	0.000020	0.0060	0.0034	< 0.000005	0.00095	0.011	< 0.002
AMQ-ENV-11	WT - Pit	Waste	S3C	4.0	0.00050	0.062	0.00018	0.0032	< 0.001	4.2	0.000040	0.0063	0.010	0.0000070	0.0011	0.011	< 0.001
AMQ-ENV-20	WT - Pit	Waste	S3C	11	0.00070	0.056	0.00036	0.0026	< 0.001	6.0	0.000050	0.0060	0.018	0.0000060	0.00069	0.013	< 0.001
AMQ-ENV15-097	WT - Pit	Waste	S3C	9.3	0.00020	0.018	0.000060	0.0027	0.000090	3.9	< 0.00001	0.0069	0.0014	< 0.000005	0.00075	0.0082	< 0.002
AMQ-ENV15-042	WT - Pit	Waste	S3C	5.0	0.00030	0.036	0.000060	0.0045	0.00038	3.6	< 0.00001	0.012	0.0091	< 0.000005	0.0014	0.012	< 0.002
AMQ-ENV-12	WT - Pit	Waste	S3C	4.9	0.00040	0.039	0.00031	0.0031	< 0.001	4.1	0.000040	0.015	0.0060	0.0000070	0.00096	0.0097	< 0.001
AMQ-ENV15-142	WT - Pit	Waste	S3C	14	0.00030	0.0050	0.00029	0.0042	0.00066	4.8	0.000030	0.016	0.00039	0.00029	0.00077	0.0070	< 0.002
AMQ-ENV15-143	WT - Pit	Waste	S3C	18	0.00040	0.0090	0.00032	0.0074	0.00062	5.4	0.000090	0.0080	0.0021	0.00024	0.00084	0.012	0.0050
AMQ-ENV15-112	UG	Ore	S3C	19	< 0.0001	0.023	0.000090	0.0027	< 0.00004	4.8	< 0.00001	0.0022	0.0031	< 0.000005	0.000087	0.0037	< 0.002
AMQ-ENV15-112	UG	Ore	S3C	19	< 0.0001	0.023	0.000090	0.0027	< 0.00004	4.8	< 0.00001	0.0022	0.0031	< 0.000005	0.000087	0.0037	< 0.002
AMQ-ENV15-085	UG	Ore	S3C	7.6	0.00030	< 0.003	0.00014	0.0016	< 0.00004	1.7	0.000040	0.021	0.00080	< 0.000005	0.000029	0.00047	< 0.002
AMQ-ENV15-060	UG	Waste	S3C	12	0.00030	0.035	0.00042	0.0025	0.000060	4.7	< 0.00001	0.0069	0.0091	< 0.000005	0.00062	0.011	< 0.002
AMQ-ENV15-120	UG	Waste	S3C	8.8	0.00020	0.015	0.00019	0.0036	0.00010	3.4	< 0.00001	0.0078	0.0080	< 0.000005	0.00090	0.013	< 0.002
Central Greywacke (S3C) WT-Pit Ore			**Minimum**	1.8	0.00010	0.0090	0.000010	0.00070	0.000040	2.7	0.000010	0.0049	0.00010	0.0000050	0.000019	0.000070	0.0010
			Maximum	19	0.035	0.025	0.0011	0.0048	0.0040	6.0	0.000050	0.048	0.014	0.0010	0.0016	0.016	0.0020
			Median	13	0.00080	0.013	0.000090	0.0027	0.0010	4.8	0.000030	0.0093	0.0031	0.0000070	0.00061	0.0037	0.0010
			Average	10	0.0055	0.016	0.00026	0.0027	0.0013	4.5	0.000030	0.015	0.0040	0.00016	0.00072	0.0059	0.0014
			Standard Deviation	7.2	0.013	0.0065	0.00041	0.0014	0.0014	1.3	0.000017	0.016	0.0049	0.00038	0.00059	0.0064	0.00053
			75th Percentile	15	0.0012	0.022	0.00026	0.0036	0.0016	5.4	0.000045	0.018	0.0052	0.000029	0.0011	0.010	0.0020
Central Greywacke (S3C) WT-Pit Waste			**Minimum**	4.0	0.00010	0.0050	0.000020	0.0011	0.000040	2.2	0.000010	0.0022	0.00039	0.0000050	0.000087	0.00069	0.0010
			Maximum	18	0.0015	0.097	0.00061	0.0074	0.0010	6.0	0.000090	0.023	0.022	0.00029	0.0019	0.013	0.0050
			Median	11	0.00040	0.029	0.00018	0.0027	0.00066	4.1	0.000040	0.0073	0.0062	0.0000060	0.00078	0.0091	0.0020
			Average	11	0.00048	0.032	0.00022	0.0030	0.00059	4.1	0.000039	0.0084	0.0081	0.000028	0.00087	0.0087	0.0017
			Standard Deviation	3.8	0.00032	0.020	0.00017	0.0012	0.00043	1.00	0.000024	0.0044	0.0066	0.000071	0.00043	0.0031	0.00084
			75th Percentile	13	0.00060	0.039	0.00032	0.0031	0.0010	4.8	0.000060	0.0098	0.010	0.0000090	0.00097	0.011	0.0020
Central Greywacke (S3C) UG Ore			**Minimum**	7.6	0.00010	0.0030	0.000090	0.0016	0.000040	1.7	0.000010	0.0022	0.00080	0.0000050	0.000029	0.00047	0.0020
			Maximum	19	0.00030	0.023	0.00014	0.0027	0.000040	4.8	0.000040	0.021	0.0031	0.0000050	0.000087	0.0037	0.0020
			Median	13	0.00020	0.013	0.00012	0.0022	0.000040	3.2	0.000025	0.011	0.0020	0.0000050	0.000058	0.0021	0.0020
			Average	13	0.00020	0.013	0.00012	0.0022	0.000040	3.2	0.000025	0.011	0.0020	0.0000050	0.000058	0.0021	0.0020
			Standard Deviation	8.4	0.00014	0.014	0.000035	0.00078	-	2.2	0.000021	0.013	0.0016	-	0.000041	0.0023	-
			75th Percentile	16	0.00025	0.018	0.00013	0.0024	0.000040	4.0	0.000033	0.016	0.0025	0.0000050	0.000073	0.0029	0.0020
Central Greywacke (S3C) UG Waste			**Minimum**	8.8	0.00020	0.015	0.00019	0.0025	0.000060	3.4	0.000010	0.0069	0.0080	0.0000050	0.00062	0.011	0.0020
			Maximum	12	0.00030	0.035	0.00042	0.0036	0.00010	4.7	0.000010	0.0078	0.0091	0.0000050	0.00090	0.013	0.0020
			Median	10	0.00025	0.025	0.00031	0.0031	0.000080	4.1	0.000010	0.0073	0.0085	0.0000050	0.00076	0.012	0.0020
			Average	10	0.00025	0.025	0.00031	0.0031	0.000080	4.1	0.000010	0.0073	0.0085	0.0000050	0.00076	0.012	0.0020
			Standard Deviation	1.9	0.000071	0.014	0.00016	0.00078	0.000028	0.95	-	0.00062	0.00073	-	0.00020	0.0013	-
			75th Percentile	11	0.00028	0.030	0.00036	0.0033	0.000090	4.4	0.000010	0.0076	0.0088	0.0000050	0.00083	0.012	0.0020

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium
				pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		mg/L		as N mg/L		µg/L		mg/L											
AMQ-ENV16-32	IVR	Waste	S3N	9.6	46	109	0.18	4.0	1.0	-	-	-	-	-	< 0.00001	0.0000020	1.2	0.11	0.0017	0.011	< 0.000007	< 0.000007	3.7	< 0.000003	0.000041	0.00034
AMQ-ENV16-47	WT - Pit	Waste	S3N	9.7	45	98	0.35	2.0	2.0	-	-	-	-	-	< 0.00001	0.0000020	1.5	0.14	0.0022	0.019	< 0.000007	< 0.000007	3.0	< 0.000003	0.000040	0.00018
AMQ-ENV16-51	WT - Pit	Waste	S3N	9.7	45	98	0.34	2.0	1.0	-	-	-	-	-	< 0.00001	0.0000050	1.6	0.11	0.0021	0.022	< 0.000007	< 0.000007	3.0	0.0000030	0.000063	0.00027
AMQ-ENV17-01	WT - Pit	Waste	S3N	9.7	43	105	0.59	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.00005	2.4	0.078	0.013	0.030	0.000016	0.000018	2.3	< 0.000003	0.000014	0.00061
AMQ-ENV16-05	WT - Pit	Waste	S3N	9.7	40	139	0.21	13	2.0	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	< 0.000002	0.36	0.023	0.017	0.018	< 0.000007	< 0.000007	3.1	< 0.000003	0.000010	0.00026
AMQ-ENV16-49	WT - Pit	Waste	S3N	9.3	42	128	0.28	7.0	5.0	-	-	-	-	-	< 0.00001	0.0000090	0.74	0.12	0.0038	0.036	< 0.000007	< 0.000007	7.1	< 0.000003	0.000018	0.000070
AMQ-ENV17-09	WT - Pit	Waste	S3N	9.2	42	126	0.33	8.0	4.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.3	0.038	0.0039	0.021	0.000010	< 0.000007	5.0	< 0.000003	0.000029	0.00037
AMQ-ENV16-44	WT - Pit	Waste	S3N	9.6	45	112	0.42	5.0	4.0	-	-	-	-	-	< 0.00001	0.0000090	2.3	0.15	0.011	0.019	0.000020	< 0.000007	2.4	< 0.000003	0.00023	0.0025
AMQ-ENV17-02	WT - Pit	Waste	S3N	9.4	37	107	0.57	6.0	2.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.5	0.035	0.0040	0.019	< 0.000007	0.000011	5.2	< 0.000003	0.000050	0.00028
AMQ-ENV16-48	WT - Pit	Waste	S3N	9.5	42	114	0.26	6.0	3.0	-	-	-	-	-	< 0.00001	0.0000030	1.1	0.033	0.0019	0.031	< 0.000007	< 0.000007	5.3	< 0.000003	0.000014	0.000060
AMQ-ENV16-46	WT - Pit	Waste	S3N	9.7	45	104	0.33	3.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	1.7	0.16	0.0015	0.019	< 0.000007	< 0.000007	3.3	< 0.000003	0.000030	0.00013
AMQ-ENV17-10	WT - Pit	Waste	S3N	9.6	41	101	0.28	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.4	0.13	0.0023	0.013	< 0.000007	< 0.000007	3.5	< 0.000003	0.000014	0.00016
AMQ-ENV16-43	WT - Pit	Waste	S3N	9.5	41	102	0.47	4.0	2.0	-	-	-	-	-	< 0.00001	0.0000030	1.4	0.048	0.0015	0.022	< 0.000007	< 0.000007	4.4	< 0.000003	0.000024	0.00010
AMQ-ENV17-03	WT - Pit	Waste	S3N	9.4	39	103	0.47	5.0	2.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.7	0.015	0.0082	0.017	0.000015	< 0.000007	4.4	< 0.000003	0.000063	0.00057
AMQ-ENV17-04	WT - Pit	Waste	S3N	9.7	44	105	0.52	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.13	< 0.00001	< 0.00005	1.9	0.31	0.0080	0.017	0.0000090	< 0.000007	2.5	< 0.000003	0.00011	0.00083
AMQ-ENV16-45	WT - Pit	Waste	S3N	9.6	47	109	0.52	4.0	2.0	-	-	-	-	-	< 0.00001	0.0000030	1.8	0.12	0.0021	0.017	< 0.000007	< 0.000007	3.2	< 0.000003	0.000020	0.00028
AMQ-ENV17-11	WT - Pit	Waste	S3N	9.5	40	102	0.32	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.4	0.036	0.0023	0.015	< 0.000007	< 0.000007	3.9	< 0.000003	0.000026	0.00031
AMQ-ENV17-05	WT - Pit	Waste	S3N	9.6	38	92	0.36	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.4	0.065	0.0062	0.020	< 0.000007	< 0.000007	3.6	0.0000060	0.000049	0.00035
AMQ-ENV17-06	WT - Pit	Waste	S3N	9.6	37	91	0.67	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.4	0.067	0.0038	0.030	< 0.000007	< 0.000007	4.0	< 0.000003	0.000038	0.00034
AMQ-ENV17-12	WT - Pit	Waste	S3N	9.6	44	107	0.61	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.8	0.073	0.0031	0.029	< 0.000007	< 0.000007	3.1	< 0.000003	0.000040	0.00036
AMQ-ENV17-07	WT - Pit	Waste	S3N	9.8	42	98	0.47	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	< 0.00005	2.1	0.069	0.0073	0.025	0.0000080	0.0000080	2.1	< 0.000003	0.00011	0.00067
AMQ-ENV17-08	WT - Pit	Waste	S3N	9.5	41	132	0.65	3.0	< 2	< 3	< 0.3	3.8	< 0.2	< 0.03	< 0.00001	< 0.00005	1.4	0.029	0.0050	0.028	< 0.000007	< 0.000007	4.0	< 0.000003	0.000062	0.00042
AMQ-ENV17-13	WT - Pit	Waste	S3N	9.7	41	100	0.62	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.030	< 0.00001	< 0.00005	1.9	0.097	0.0047	0.013	0.0000080	< 0.000007	2.7	< 0.000003	0.00017	0.00046
AMQ-ENV18-01	WT - Pit	Waste	S3N	9.4	44	103	0.49	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.050	0.000020	< 0.00005	1.5	0.078	0.0055	0.019	0.0000070	0.000013	2.3	< 0.000003	0.00012	0.00030
AMQ-ENV18-02	WT - Pit	Waste	S3N	9.4	43	104	0.46	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.090	0.000010	< 0.00005	1.5	0.13	0.0054	0.017	< 0.000007	< 0.000007	1.7	0.000018	0.000082	0.00034
AMQ-ENV18-03	WT - Pit	Waste	S3N	9.3	41	114	0.45	4.0	3.0	< 3	< 0.3	< 0.6	< 0.2	0.030	< 0.00001	< 0.00005	1.3	0.089	0.0055	0.014	0.0000080	0.0000090	2.6	0.0000070	0.000083	0.00036
AMQ-ENV18-04	WT - Pit	Waste	S3N	9.4	42	104	0.42	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000030	< 0.00005	1.1	0.069	0.0028	0.017	< 0.000007	< 0.000007	3.2	0.0000080	0.000031	0.00010
AMQ-ENV18-05	WT - Pit	Waste	S3N	9.1	39	118	0.43	6.0	5.0	< 3	< 0.3	< 0.6	< 0.2	0.070	< 0.00001	< 0.00005	0.99	0.24	0.0037	0.020	< 0.000007	0.000011	4.7	0.0000030	0.000047	0.00021
AMQ-ENV18-06	WT - Pit	Waste	S3N	9.3	39	106	0.70	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.11	0.000030	< 0.00005	1.4	0.20	0.0041	0.019	< 0.000007	0.000014	2.2	< 0.000003	0.000086	0.00049
AMQ-ENV18-07	WT - Pit	Waste	S3N	9.4	43	109	0.74	3.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.030	< 0.00001	< 0.00005	1.3	0.078	0.0037	0.030	< 0.000007	0.0000070	2.4	0.0000040	0.000061	0.00035
AMQ-ENV18-08	WT - Pit	Waste	S3N	9.1	38	136	0.84	9.0	10	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000020	< 0.00005	1.1	0.038	0.0049	0.027	< 0.000007	< 0.000007	3.3	0.0000070	0.000080	0.00038
AMQ-ENV18-09	WT - Pit	Waste	S3N	9.3	45	115	0.57	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000020	< 0.00005	1.5	0.090	0.0049	0.025	0.0000080	< 0.000007	2.8	0.0000040	0.000066	0.00035
AMQ-ENV18-10	WT - Pit	Waste	S3N	9.3	42	112	0.49	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000020	< 0.00005	1.5	0.093	0.0042	0.022	0.000011	< 0.000007	2.8	< 0.000003	0.000039	0.00021
AMQ-ENV18-11	WT - Pit	Waste	S3N	9.2	42	129	0.72	9.0	4.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000030	< 0.00005	1.3	0.015	0.0040	0.027	< 0.000007	< 0.000007	4.4	0.0000030	0.000031	0.00016
AMQ-ENV18-12	WT - Pit	Waste	S3N	9.4	44	114	0.71	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.5	0.047	0.0039	0.027	< 0.000007	< 0.000007	2.3	< 0.000003	0.000042	0.00026
AMQ-ENV18-13	WT - Pit	Waste	S3N	9.3	48	128	0.65	4.0	3.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000010	< 0.00005	1.2	0.066	0.0033	0.024	< 0.000007	< 0.000007	3.5	0.000024	0.000040	0.00022
AMQ-ENV18-14	WT - Pit	Waste	S3N	9.3	44	116	0.80	5.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.3	0.030	0.0033	0.026	< 0.000007	< 0.000007	3.1	< 0.000003	0.000045	0.00020
AMQ-ENV18-15	WT - Pit	Waste	S3N	9.3	43	105	1.2	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000010	< 0.00005	1.3	0.033	0.0038	0.032	0.0000070	0.0000070	2.4	0.0000050	0.000058	0.00022
AMQ-ENV18-16	WT - Pit	Waste	S3N	9.5	41	102	0.84	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000020	< 0.00005	1.4	0.057	0.0048	0.026	0.0000070	< 0.000007	2.8	0.000011	0.000085	0.00025
AMQ-ENV18-17	WT - Pit	Waste	S3N	9.7	43	105	0.70	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.00005	1.8	0.047	0.0066	0.026	0.0000090	0.0000080	1.7	0.000014	0.00011	0.00040
AMQ-ENV18-18	WT - Pit	Waste	S3N	9.6	42	118	0.71	5.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.00005	1.8	0.064	0.0070	0.033	0.0000080	0.000011	1.9	< 0.000003	0.00012	0.00067
AMQ-ENV17-57	UG	Waste	S3N	10	48	122	0.15	< 1	< 2	< 3	< 0.3	< 0.6	0.40	0.040	0.000010	< 0.00005	0.21	0.0021	0.033	0.028	< 0.000007	< 0.000007	2.4	< 0.000003	< 0.000004	0.00046
AMQ-ENV15-063	UG	Waste	S3N	9.8	48	112	0.29	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.070	< 0.00001	< 0.000002	1.6	0.16	0.0066	0.029	< 0.000007	< 0.000007	1.8	< 0.000003	0.00011	0.00031
Greywacke North (S3N) WT-Pit Waste			**Minimum**	9.1	37	91	0.21	2.0	1.0	-	-	-	-	-	0.000010	0.0000020	0.36	0.015	0.0015	0.013	0.0000070	0.0000070	1.7	0.0000030	0.000010	0.000060
			Maximum	9.8	48	139	1.17	13	10.0	3.0	0.30	3.8	0.30	0.13	0.000030	0.000050	2.4	0.31	0.017	0.036	0.000020	0.000018	7.1	0.0000240	0.00023	0.0025
			Median	9.5	42	107	0.51	4.0	2.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.000050	1.4	0.069	0.0040	0.022	0.0000070	0.0000070	3.1	0.0000030	0.000050	0.00031
			Average	9.4	42	110	0.54	4.2	2.6	3.0	0.30	0.70	0.20	0.041	0.000013	0.000040	1.5	0.085	0.0049	0.023	0.0000082	0.0000080	3.3	0.0000049	0.000064	0.00038
			Standard Deviation	0.18	2.6	12	0.20	2.4	1.48	-	5.6E-17	0.57	0.018	0.025	0	0.000019	0.38	0.062	0.0031	0.0059	0.0000028	0.0000024	1.1	0.00000448	0.000046	0.00039
			75th Percentile	9.6	44	115	0.68	5.0	2.0	3.0	0.30	0.60	0.20	0.040	0.000010	0.000050	1.7	0.11	0.0055	0.027	0.0000080	0.0000070	3.9	0.0000040	0.000084	0.00039
Greywacke North (S3N) UG Waste			**Minimum**	9.8	48	112	0.15	1.0	1.0	3.0	0.30	0.60	0.20	0.040	0.000010	0.0000020	0.21	0.0021	0.0066	0.028	0.0000070	0.0000070	1.8	0.0000030	0.0000040	0.00031
			Maximum	10	48	122	0.29	2.0	2.0	3.0	0.30	0.60	0.40	0.070	0.000010	0.000050	1.6	0.16	0.033	0.029	0.0000070	0.0000070	2.4	0.0000030	0.00011	0.00046
			Median	10	48	117	0.22	1.5	1.5	3.0	0.30	0.60	0.30	0.055	0.000010	0.000026	0.89	0.083	0.020	0.029	0.0000070	0.0000070	2.1	0.0000030	0.000059	0.00039
			Average	10.0	48	117	0.22	1.5	1.5	3.0	0.30	0.60	0.30	0.055	0.000010	0.000026	0.89	0.083	0.020	0.029	0.0000070	0.0000070	2.1	0.0000030	0.000059	0.00039
			Standard Deviation	0.37	-	7.1	0.099	0.71	0.71	-	-	-	0.14	0.021	-	0.000034	0.96	0.11	0.019	0.00078	-	-	0.40	-	0.000078	0.00011
			75th Percentile	10	48	120	0.26	1.8	1.8	3.0	0.30	0.60	0.35	0.063	0.000010	0.000038	1.2	0.12	0.027	0.029	0.0000070	0.0000070	2.2	0.0000030	0.000087	0.00042

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
				mg/L													
AMQ-ENV16-32	IVR	Waste	S3N	2.3	0.00020	0.0080	0.000040	0.0060	0.00023	2.2	< 0.00001	0.011	0.0024	< 0.000005	0.00071	0.0094	< 0.002
AMQ-ENV16-47	WT - Pit	Waste	S3N	4.8	0.00010	0.028	0.00012	0.0084	0.00017	3.5	0.000020	0.0065	0.0029	0.0000060	0.0026	0.015	< 0.002
AMQ-ENV16-51	WT - Pit	Waste	S3N	5.2	0.00020	0.018	0.000060	0.011	0.00016	2.6	< 0.00001	0.0091	0.0033	0.000014	0.0018	0.017	< 0.002
AMQ-ENV17-01	WT - Pit	Waste	S3N	4.1	0.00050	0.026	0.00048	0.0078	0.00022	4.1	0.000080	0.0070	0.023	0.000030	0.0056	0.017	0.0020
AMQ-ENV16-05	WT - Pit	Waste	S3N	8.4	< 0.0001	0.0060	0.000030	0.0022	0.000070	3.3	0.00016	0.032	0.00014	0.0000060	0.000019	0.0092	< 0.002
AMQ-ENV16-49	WT - Pit	Waste	S3N	3.8	0.00010	0.019	0.000080	0.0061	0.00053	2.7	0.000030	0.018	0.00062	0.000027	0.0019	0.0043	< 0.002
AMQ-ENV17-09	WT - Pit	Waste	S3N	1.1	0.00020	0.010	0.00015	0.0066	0.000090	1.4	0.00021	0.012	0.0074	< 0.000005	0.00066	0.0037	< 0.002
AMQ-ENV16-44	WT - Pit	Waste	S3N	5.4	0.0012	0.044	0.00037	0.0073	0.00040	4.0	0.000050	0.0054	0.023	0.000019	0.0027	0.020	< 0.002
AMQ-ENV17-02	WT - Pit	Waste	S3N	3.5	0.00020	0.012	0.00022	0.0063	0.000060	1.4	0.00030	0.016	0.0058	< 0.000005	0.0020	0.0057	0.0020
AMQ-ENV16-48	WT - Pit	Waste	S3N	5.9	< 0.0001	0.014	0.000020	0.0039	0.00029	2.4	< 0.00001	0.018	0.00078	< 0.000005	0.00066	0.0072	< 0.002
AMQ-ENV16-46	WT - Pit	Waste	S3N	5.0	0.00020	0.020	0.000030	0.013	0.00024	2.8	0.000010	0.0094	0.0014	0.000010	0.0021	0.016	< 0.002
AMQ-ENV17-10	WT - Pit	Waste	S3N	3.8	0.00010	0.0080	0.000060	0.011	0.000080	1.8	0.000070	0.013	0.0026	0.0000080	0.0020	0.0092	< 0.002
AMQ-ENV16-43	WT - Pit	Waste	S3N	5.8	0.00010	0.014	0.000040	0.0042	0.00013	2.1	0.000040	0.013	0.0016	< 0.000005	0.00076	0.0089	< 0.002
AMQ-ENV17-03	WT - Pit	Waste	S3N	3.5	0.00040	0.019	0.00024	0.0056	< 0.00004	2.6	0.00053	0.020	0.014	0.0000080	0.0028	0.0084	0.0030
AMQ-ENV17-04	WT - Pit	Waste	S3N	6.0	0.00030	0.029	0.00013	0.0097	0.000090	3.2	0.00019	0.022	0.017	0.000023	0.0034	0.021	< 0.002
AMQ-ENV16-45	WT - Pit	Waste	S3N	4.4	0.00020	0.018	0.000050	0.013	0.00010	2.3	0.000070	0.0095	0.0030	0.000018	0.0024	0.011	< 0.002
AMQ-ENV17-11	WT - Pit	Waste	S3N	3.1	0.00020	0.010	0.00011	0.0077	0.000070	1.7	0.00035	0.013	0.0042	0.0000080	0.0011	0.0077	< 0.002
AMQ-ENV17-05	WT - Pit	Waste	S3N	5.4	0.00030	0.029	0.000070	0.0055	0.000050	2.5	0.000040	0.037	0.0074	0.0000090	0.0022	0.016	< 0.002
AMQ-ENV17-06	WT - Pit	Waste	S3N	5.1	0.00030	0.017	0.00010	0.0065	< 0.00004	2.4	0.00015	0.052	0.0066	0.000016	0.0021	0.015	< 0.002
AMQ-ENV17-12	WT - Pit	Waste	S3N	4.7	0.00030	0.0080	0.00026	0.013	0.000080	2.1	0.00016	0.013	0.0060	0.000012	0.0017	0.014	0.0020
AMQ-ENV17-07	WT - Pit	Waste	S3N	5.3	0.00030	0.039	0.00034	0.0059	0.00011	2.9	0.00036	0.024	0.017	0.000025	0.0029	0.019	0.0020
AMQ-ENV17-08	WT - Pit	Waste	S3N	6.6	0.00030	0.026	0.00011	0.0077	< 0.00004	2.4	0.000020	0.035	0.011	0.000015	0.0024	0.012	< 0.002
AMQ-ENV17-13	WT - Pit	Waste	S3N	3.8	0.00030	0.020	0.00010	0.0092	0.000070	2.3	0.000030	0.011	0.013	0.000011	0.0023	0.014	< 0.002
AMQ-ENV18-01	WT - Pit	Waste	S3N	5.6	0.00030	0.029	0.00033	0.0065	0.000080	3.3	0.000080	0.0081	0.0098	0.000025	0.0092	0.016	< 0.002
AMQ-ENV18-02	WT - Pit	Waste	S3N	5.5	0.00030	0.044	0.00021	0.0071	0.00016	3.7	0.000040	0.0068	0.010	0.000027	0.0085	0.017	< 0.002
AMQ-ENV18-03	WT - Pit	Waste	S3N	5.1	0.00020	0.014	0.00030	0.0069	0.00031	3.1	0.000050	0.0097	0.0080	0.000018	0.0082	0.013	< 0.002
AMQ-ENV18-04	WT - Pit	Waste	S3N	3.5	0.00020	0.0060	0.00013	0.0059	0.00016	3.2	0.000030	0.014	0.0037	0.000025	0.0058	0.0088	< 0.002
AMQ-ENV18-05	WT - Pit	Waste	S3N	3.8	0.00030	0.011	0.00039	0.0094	0.00032	2.7	0.000060	0.019	0.0044	0.000013	0.0034	0.0092	< 0.002
AMQ-ENV18-06	WT - Pit	Waste	S3N	5.0	0.00020	0.033	0.00020	0.0098	0.00012	2.9	0.000060	0.011	0.0099	0.000028	0.0033	0.018	< 0.002
AMQ-ENV18-07	WT - Pit	Waste	S3N	5.5	0.00020	0.020	0.00015	0.0081	0.000090	2.6	0.000060	0.021	0.0075	0.000018	0.0028	0.016	< 0.002
AMQ-ENV18-08	WT - Pit	Waste	S3N	5.8	0.00030	0.024	0.00019	0.0080	0.00022	2.3	0.000070	0.017	0.013	0.000017	0.0031	0.011	< 0.002
AMQ-ENV18-09	WT - Pit	Waste	S3N	6.0	0.00030	0.021	0.00013	0.0095	0.00013	2.3	0.000050	0.013	0.012	0.000013	0.0019	0.011	< 0.002
AMQ-ENV18-10	WT - Pit	Waste	S3N	5.6	0.00020	0.011	0.00014	0.0074	0.00016	2.4	0.000050	0.013	0.0095	0.000012	0.0023	0.012	< 0.002
AMQ-ENV18-11	WT - Pit	Waste	S3N	4.6	0.00010	0.0030	0.00010	0.0067	0.00013	1.6	0.00011	0.028	0.0063	0.0000060	0.00074	0.0037	0.0020
AMQ-ENV18-12	WT - Pit	Waste	S3N	4.6	0.00020	0.017	0.00010	0.0078	0.00013	2.4	0.000040	0.016	0.010	0.0000070	0.0021	0.012	< 0.002
AMQ-ENV18-13	WT - Pit	Waste	S3N	5.7	0.00020	0.016	0.000090	0.0082	0.00021	2.1	0.000020	0.023	0.0056	0.000012	0.0013	0.012	< 0.002
AMQ-ENV18-14	WT - Pit	Waste	S3N	4.2	0.00020	0.011	0.00028	0.0071	0.00010	1.8	0.000020	0.027	0.0086	0.000016	0.00080	0.0070	< 0.002
AMQ-ENV18-15	WT - Pit	Waste	S3N	3.5	0.00020	0.015	0.00020	0.0055	0.000070	2.6	0.000060	0.036	0.0082	0.000016	0.0034	0.011	0.0020
AMQ-ENV18-16	WT - Pit	Waste	S3N	5.0	0.00030	0.010	0.00023	0.0067	0.00011	3.2	0.000080	0.036	0.0098	0.000018	0.0040	0.011	< 0.002
AMQ-ENV18-17	WT - Pit	Waste	S3N	4.8	0.00040	0.031	0.00022	0.0070	0.00012	3.4	0.000070	0.016	0.022	0.000018	0.0037	0.016	0.0030
AMQ-ENV18-18	WT - Pit	Waste	S3N	5.8	0.00040	0.017	0.00065	0.0086	0.00011	2.8	0.000090	0.018	0.021	0.000017	0.0025	0.019	0.0040
AMQ-ENV17-57	UG	Waste	S3N	4.4	< 0.0001	< 0.003	0.000030	0.0021	0.00013	8.6	< 0.00001	0.069	0.00011	< 0.000005	0.0000040	0.016	< 0.002
AMQ-ENV15-063	UG	Waste	S3N	11	0.00020	0.030	0.000080	0.0043	< 0.00004	3.8	< 0.00001	0.011	0.011	< 0.000005	0.00090	0.014	< 0.002
Greywacke North (S3N) WT-Pit Waste			**Minimum**	1.1	0.00010	0.0030	0.000020	0.0022	0.000040	1.4	0.000010	0.0054	0.00014	0.0000050	0.000019	0.0037	0.0020
			Maximum	8.4	0.0012	0.044	0.00065	0.013	0.00053	4.1	0.00053	0.052	0.023	0.000030	0.0092	0.021	0.0040
			Median	5.0	0.00020	0.018	0.00014	0.0074	0.000115	2.6	0.000060	0.016	0.0078	0.000015	0.0024	0.012	0.0020
			Average	4.9	0.00026	0.019	0.00018	0.0077	0.00015	2.6	0.00010	0.018	0.0088	0.000015	0.0028	0.012	0.0021
			Standard Deviation	1.2	0.00018	0.0100	0.00013	0.0023	0.00010	0.66	0.00011	0.010	0.0062	0.0000073	0.0021	0.0046	0.00038
			75th Percentile	5.6	0.00030	0.026	0.00023	0.0088	0.00016	3.1	0.00010	0.022	0.011	0.000018	0.0033	0.016	0.0020
Greywacke North (S3N) UG Waste			**Minimum**	4.4	0.00010	0.0030	0.000030	0.0021	0.000040	3.8	0.000010	0.011	0.00011	0.0000050	0.0000040	0.014	0.0020
			Maximum	11	0.00020	0.030	0.000080	0.0043	0.00013	8.6	0.000010	0.069	0.011	0.0000050	0.00090	0.016	0.0020
			Median	7.5	0.00015	0.017	0.000055	0.0032	0.000085	6.2	0.000010	0.040	0.0054	0.0000050	0.00045	0.015	0.0020
			Average	7.5	0.00015	0.017	0.000055	0.0032	0.000085	6.2	0.000010	0.040	0.0054	0.0000050	0.00045	0.015	0.0020
			Standard Deviation	4.4	0.000071	0.019	0.000035	0.0016	0.000064	3.4	-	0.041	0.0075	-	0.00063	0.0017	-
			75th Percentile	9.1	0.00018	0.023	0.000068	0.0038	0.00011	7.4	0.000010	0.054	0.0081	0.0000050	0.00067	0.016	0.0020

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium
				pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		mg/L		as N mg/L		µg/L	mg/L												
AMQ-ENV-112	WT - Pit	Waste	S3S	9.6	56	124	0.32	< 2	4.0	< 3	< 0.3	< 0.6	-	0.060	0.000010	0.000046	0.42	0.038	0.0053	0.065	0.000011	< 0.000007	2.5	< 0.000003	0.00012	0.0030
AMQ-ENV-122	WT - Pit	Waste	S3S	9.4	38	131	0.16	< 2	10	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.0000070	0.32	0.019	0.024	0.015	< 0.000007	< 0.000007	5.7	< 0.000003	0.000030	0.00028
AMQ-ENV15-049	WT - Pit	Waste	S3S	10.0	46	101	0.16	1.0	< 1	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	< 0.000002	0.077	0.0045	0.012	0.022	< 0.000007	< 0.000007	4.4	< 0.000003	0.000091	0.0011
AMQ-ENV-117	WT - Pit	Waste	S3S	9.7	58	134	0.26	< 2	3.3	< 3	< 0.3	< 0.6	-	0.040	< 0.00001	0.0000050	0.51	0.045	0.0037	0.050	< 0.000007	< 0.000007	3.4	< 0.000003	0.000059	0.0014
AMQ-ENV15-012	WT - Pit	Waste	S3S	9.4	42	113	0.21	3.0	5.0	< 3	< 0.3	< 0.6	0.20	0.090	< 0.00001	0.0000080	0.14	0.047	0.011	0.036	< 0.000007	< 0.000007	3.2	0.0000070	0.00012	0.00074
AMQ-ENV15-110	WT - Pit	Waste	S3S	9.6	60	106	0.11	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000020	0.62	0.023	0.0073	0.026	< 0.000007	< 0.000007	4.5	< 0.000003	0.000041	0.000090
AMQ-ENV15-101	WT - Pit	Waste	S3S	9.4	35	108	0.18	5.0	6.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.62	0.0043	0.014	0.0090	< 0.000007	< 0.000007	5.2	< 0.000003	0.000024	< 0.00003
AMQ-ENV15-093	WT - Pit	Waste	S3S	9.4	43	112	0.090	5.0	3.0	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	< 0.000002	0.26	0.45	0.0090	0.0097	< 0.000007	< 0.000007	8.3	< 0.000003	0.000070	< 0.00003
AMQ-ENV15-032	WT - Pit	Waste	S3S	9.9	56	98	0.15	2.0	< 1	< 3	< 0.3	< 0.6	0.60	0.030	< 0.00001	< 0.000002	0.26	0.022	0.0092	0.0086	< 0.000007	< 0.000007	3.4	< 0.000003	0.000076	0.0015
AMQ-ENV15-023	WT - Pit	Waste	S3S	10.0	37	91	0.14	1.0	1.0	< 3	< 0.3	< 0.6	0.60	< 0.03	0.000020	< 0.000002	0.31	0.012	0.0075	0.0072	< 0.000007	< 0.000007	3.3	< 0.000003	0.000091	0.0019
AMQ-ENV17-31	WT - Pit	Waste	S3S	9.6	35	101	0.17	7.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	1.0	0.089	0.0053	0.022	< 0.000007	< 0.000007	3.4	0.0000050	0.000060	0.00064
AMQ-ENV15-003	WT - Pit	Waste	S3S	10.0	36	85	0.17	1.0	< 1	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	< 0.000002	0.14	0.019	0.012	0.0077	< 0.000007	< 0.000007	4.2	< 0.000003	0.000044	0.00067
AMQ-ENV17-18	WT - Pit	Waste	S3S	9.7	37	90	0.16	2.0	2.0	< 3	< 0.3	< 0.6	0.20	< 0.03	< 0.00001	< 0.00005	0.62	0.036	0.0042	0.012	< 0.000007	< 0.000007	3.2	0.0000060	0.000022	0.00058
AMQ-ENV-120	WT - Pit	Waste	S3S	9.9	63	147	0.36	< 2	< 2	< 3	< 0.3	< 0.6	-	0.070	< 0.00001	0.0000020	0.34	0.043	0.0062	0.066	0.0000090	0.000020	2.3	< 0.000003	0.00022	0.0063
AMQ-ENV15-102	WT - Pit	Waste	S3S	9.8	87	107	0.13	2.0	1.0	< 3	< 0.3	< 0.6	0.20	0.040	< 0.00001	0.0000020	0.64	0.025	0.0094	0.020	< 0.000007	< 0.000007	2.6	< 0.000003	0.000085	0.00098
AMQ-ENV-115	WT - Pit	Waste	S3S	9.5	47	110	0.21	< 2	3.0	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000010	0.86	0.058	0.0037	0.055	0.000010	0.000025	4.2	< 0.000003	0.00012	0.0011
AMQ-ENV15-103	WT - Pit	Waste	S3S	9.9	44	100	0.23	< 1	< 1	< 3	< 0.3	< 0.6	0.40	0.040	< 0.00001	< 0.000002	0.11	0.012	0.016	0.018	< 0.000007	< 0.000007	3.8	0.0000040	0.00014	0.0022
AMQ-ENV-66	WT - Pit	Waste	S3S	9.7	54	198	0.35	21	8.3	< 3	< 0.3	< 0.6	0.80	0.040	< 0.00001	0.0000020	0.16	0.094	0.0047	0.093	< 0.000007	< 0.000007	2.8	< 0.000003	0.00018	0.0051
AMQ-ENV17-17	WT - Pit	Waste	S3S	9.8	38	111	0.18	4.0	4.0	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	< 0.00005	0.39	0.051	0.011	0.013	< 0.000007	< 0.000007	3.1	< 0.000003	0.000096	0.00043
AMQ-ENV15-081	WT - Pit	Waste	S3S	9.7	41	85	0.13	3.0	2.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000060	0.41	0.041	0.0069	0.0096	< 0.000007	< 0.000007	4.7	< 0.000003	0.000040	0.00024
AMQ-ENV-71	WT - Pit	Waste	S3S	9.5	45	247	0.31	31	27	< 3	< 0.3	< 0.6	0.60	< 0.03	< 0.00001	< 0.000002	0.13	0.15	0.0048	0.057	< 0.000007	< 0.000007	5.4	< 0.000003	0.000040	0.00087
AMQ-ENV-60	WT - Pit	Waste	S3S	9.7	50	121	0.41	< 2	3.5	< 3	< 0.3	< 0.6	0.90	< 0.03	< 0.00001	0.0000060	0.11	0.070	0.0026	0.070	< 0.000007	0.000018	3.4	< 0.000003	0.000029	0.0013
AMQ-ENV17-15	WT - Pit	Waste	S3S	9.8	38	102	0.18	3.0	3.0	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	< 0.00005	0.18	0.081	0.011	0.016	< 0.000007	< 0.000007	3.3	0.0000030	0.000037	0.00065
AMQ-ENV-116	WT - Pit	Waste	S3S	10	60	143	0.28	< 2	2.2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000013	0.19	0.018	0.0028	0.050	< 0.000007	< 0.000007	1.9	< 0.000003	0.000030	0.0017
AMQ-ENV-67	WT - Pit	Waste	S3S	9.9	66	152	0.33	< 2	< 2	< 3	< 0.3	< 0.6	4.4	< 0.03	< 0.00001	0.0000030	0.14	0.011	0.0044	0.11	< 0.000007	0.0000070	1.8	< 0.000003	0.000082	0.0072
AMQ-ENV17-25	WT - Pit	Waste	S3S	9.7	31	80	0.070	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.96	0.0065	0.0028	0.017	< 0.000007	< 0.000007	4.5	0.0000050	0.000068	0.00027
AMQ-ENV17-49	UG	Waste	S3S	9.8	37	92	0.13	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000010	< 0.00005	1.3	0.061	0.0054	0.024	< 0.000007	< 0.000007	2.4	0.0000060	0.000051	0.00076
AMQ-ENV17-58	UG	Waste	S3S	10	45	108	0.16	2.0	< 2	< 3	< 0.3	< 0.6	1.7	0.080	< 0.00001	< 0.00005	0.28	0.0019	0.027	0.032	< 0.000007	< 0.000007	3.0	0.0000080	0.00021	0.0089
AMQ-ENV17-55	UG	Waste	S3S	10	46	107	0.22	1.0	< 2	< 3	< 0.3	< 0.6	1.0	0.060	0.000020	< 0.00005	0.19	0.0028	0.016	0.045	< 0.000007	< 0.000007	2.6	0.0000070	0.000045	0.0019
AMQ-ENV17-50	UG	Waste	S3S	10	49	118	0.16	2.0	< 2	< 3	< 0.3	< 0.6	1.2	0.10	0.000030	< 0.00005	0.16	0.0021	0.039	0.028	< 0.000007	< 0.000007	3.7	0.000012	0.000095	0.0043
AMQ-ENV17-62	UG	Waste	S3S	10	41	97	0.23	1.0	< 2	< 3	< 0.3	< 0.6	0.90	0.090	< 0.00001	< 0.00005	0.11	0.0033	0.017	0.051	< 0.000007	< 0.000007	4.0	0.0000030	0.000027	0.0016
Greywacke South (S3S) WT-Pit Waste			**Minimum**	9.4	31	80	0.070	1.0	1.0	3.0	0.30	0.60	-	0.030	0.000010	0.0000020	0.077	0.0043	0.0026	0.0072	0.0000070	0.0000070	1.8	0.0000030	0.000022	0.000030
			Maximum	10	87	247	0.41	31	27	3.0	0.30	0.60	4.4	0.090	0.000020	0.000050	1.0	0.45	0.024	0.11	0.000011	0.000025	8.3	0.0000070	0.00022	0.0072
			Median	9.7	45	109	0.18	2.0	2.1	3.0	0.30	0.60	0.35	0.030	0.000010	0.0000040	0.31	0.037	0.0071	0.021	0.0000070	0.0000070	3.4	0.0000030	0.000069	0.00093
			Average	9.7	48	119	0.21	4.4	3.9	3.0	0.30	0.60	0.58	0.037	0.000010	0.0000015	0.38	0.056	0.0081	0.034	0.0000073	0.0000086	3.8	0.0000035	0.000077	0.0015
			Standard Deviation	0.21	13	37	0.091	6.7	5.2	-	1.1E-16	2.3E-16	0.92	0.015	0.0000020	0.000020	0.27	0.086	0.0049	0.028	0.0000010	0.0000047	1.4	0.0000011	0.000049	0.0019
			75th Percentile	9.9	56	129	0.28	3.8	3.9	3.0	0.30	0.60	0.60	0.040	0.000010	0.000012	0.59	0.056	0.011	0.053	0.0000070	0.0000070	4.5	0.0000030	0.000095	0.0017
Greywacke South (S3S) UG Waste			**Minimum**	9.8	37	92	0.13	1.0	2.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.000050	0.11	0.0019	0.0054	0.024	0.0000070	0.0000070	2.4	0.0000030	0.000027	0.00076
			Maximum	10	49	118	0.23	4.0	2.0	3.0	0.30	0.60	1.7	0.10	0.000030	0.000050	1.3	0.061	0.039	0.051	0.0000070	0.0000070	4.0	0.000012	0.00021	0.0089
			Median	10	45	107	0.16	2.0	2.0	3.0	0.30	0.60	1.0	0.080	0.000010	0.000050	0.19	0.0028	0.017	0.032	0.0000070	0.0000070	3.0	0.0000070	0.000051	0.0019
			Average	10	44	104	0.18	2.0	2.0	3.0	0.30	0.60	1.0	0.072	0.000016	0.000050	0.40	0.014	0.021	0.036	0.0000070	0.0000070	3.2	0.0000072	0.000085	0.0035
			Standard Deviation	0.21	4.7	10	0.043	1.2	-	-	-	-	0.54	0.028	0.0000089	-	0.48	0.026	0.013	0.012	9.5E-22	9.5E-22	0.69	0.0000033	0.000073	0.0033
			75th Percentile	10	46	108	0.22	2.0	2.0	3.0	0.30	0.60	1.2	0.090	0.000020	0.000050	0.28	0.0033	0.027	0.045	0.0000070	0.0000070	3.7	0.0000080	0.000095	0.0043
AMQ-ENV17-40	IVR	Ore	S9E	9.2	48	245	0.11	41	14	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.21	0.0080	0.0034	0.015	< 0.000007	0.000012	7.7	0.0000040	0.000013	0.00013
AMQ-ENV-57	WT - Pit	Ore	S9E	8.6	26	370	0.080	3.3	110	< 3	< 0.3	< 0.6	0.30	1.5	< 0.00001	0.000021	0.090	4.6	0.011	0.018	< 0.000007	< 0.000007	30	< 0.000003	0.00051	0.00051
AMQ-ENV15-027	WT - Pit	Ore	S9E	9.4	28	94	0.10	9.0	< 1	< 3	< 0.3	< 0.6	0.20	0.25	< 0.00001	0.000010	0.33	1.4	0.0033	0.0066	< 0.000007	< 0.000007	7.1	< 0.000003	0.000053	0.00036
AMQ-ENV15-135	WT - Pit	Ore	S9E	9.6	65	201	0.22	8.0	8.0	< 3	< 0.3	< 0.6	4.0	2.2	< 0.00001	0.0000030	0.055	7.6	0.0091	0.24	0.00011	0.0066	4.7	0.00099	0.0014	0.0087
AMQ-ENV15-089	WT - Pit	Ore	S9E	8.9	40	210	0.090	38	6.0	< 3	< 0.3	< 0.6	< 0.2	0.63	< 0.00001	0.000021	0.16	3.1	0.010	0.011	< 0.000007	0.000022	11	< 0.000003	0.00015	0.00017
AMQ-ENV15-039	WT - Pit	Ore	S9E	9.9	35	82	0.070	< 1	< 1	< 3	< 0.3	< 0.6	0.90	0.060	< 0.00001	0.000023	0.015	0.47	0.0087	0.015	< 0.000007	< 0.000007	4.9	< 0.000003	0.000046	0.00082
AMQ-ENV-56	WT - Pit	Ore	S9E	8.8	44	307	0.16	33	30	< 3	< 0.3	< 0.6	1.3	3.3	< 0.00001	0.0000080	0.036	7.4	0.0058	0.054	< 0.000007	< 0.000007	14	< 0.000003	0.00020	0.0017
AMQ-ENV-49	WT - Pit	Ore	S9E	9.2	42	464	0.11	3.1	130	< 3	< 0.3	< 0.6	0.50	1.6	< 0.00001	0.0000080	0.16	4.7	0.0021	0.018	< 0.000007	< 0.000007	11	< 0.000003	0.000086	0.00052
AMQ-ENV15-045	WT - Pit	Ore	S9E	9.5	33	85	< 0.06	2.0	< 1	< 3	< 0.3	< 0.6	0.40	0.24	< 0.00001	0.0000030	0.14	1.4	0.0057	0.011	< 0.000007	< 0.000007	5.3	< 0.000003	0.000059	0.00033
AMQ-ENV15-010	WT - Pit	Ore	S9E	9.5	38	112	< 0.06	12	2.0	< 3	< 0.3	< 0.6	0.30	0.20	< 0.00001	0.000022	0.26	1.6	0.0078	0.0081	< 0.000007	0.000020	6.3	< 0.000003	0.000079	0.00055
AMQ-ENV-47	WT - Pit	Ore	S9E	9.3	53	168	0.10	< 2	12	< 3	< 0.3	< 0.6	13	3.5	< 0.00001	0.0000020	0.041	7.1	0.0082	0.025	< 0.000007	< 0.000007	5.5	< 0.000003	0.000052	0.013
AMQ-ENV15-021	WT - Pit	Ore	S9E	9.8	32	79	< 0.06	2.0	< 1	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	< 0.000002	0.041	0.30	0.022	0.012	< 0.000007	< 0.000007	5.0	< 0.000003	0.000034	0.00031
AMQ-ENV-125	WT - Pit	Ore	S9E	9.7	75	196	0.31	< 2	4.6	< 3	< 0.3	< 0.6	-	1.1	< 0.00001	0.0000060	0.040	3.3	0.0054	0.12	< 0.000007	< 0.000007	3.0	< 0.000003	0.00012	0.0047
AMQ-ENV15-083	WT - Pit	Ore	S9E	10.0	54	142	0.070	3.0	1.0	< 3	< 0.3	< 0.6	0.70	0.050	< 0.00001	0.0000050	0.035	0.52	0.012	0.050	< 0.000007	< 0.000007	2.1	< 0.000003	0.000046	0.00059
AMQ-ENV-64	WT - Pit	Ore	S9E	9.8	67	173	0.30	< 2	5.0	< 3	< 0.3	< 0.6	8.4	1.7	< 0.00001	0.0000020	0.061	4.5	0.0066	0.12	< 0.000007	0.0000090	3.0	< 0.000003	0.00018	0.011
AMQ-ENV17-14	WT - Pit	Ore	S9E	9.4	36	136	0.080	19	< 2	< 3	< 0.3	< 0.6	0.30	0.34	< 0.00001	< 0.00005	0.36	2.4	0.0054	0.10	< 0.000007	< 0.000007	5.3	< 0.000003	0.000077	0.00055
AMQ-ENV15-038	WT - Pit	Waste	S9E	9.2	39	115	< 0.06	6.0	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000040	0.17	0.59	0.0060	0.0070	< 0.000007	< 0.000007	6.6	< 0.000003	0.000073	0.00014
AMQ-ENV-58	WT - Pit	Waste	S9E	9.4	64	204	0.20	4.4	22	< 3	< 0.3	< 0.6	5.8	2.2	< 0.00001	< 0.000002	0.032	5.6	0.0034	0.067	< 0.000007	0.0000070	5.3	< 0.000003	0.00015	0.0076
AMQ-ENV-31	WT - Pit	Waste	S9E	9.4	43	134	0.070	< 2	5.6	< 3	< 0.3	< 0.6	-	2.0	< 0.00001	< 0.000002	< 0.01	5.5	0.028	0.016	< 0.000007	< 0.000007	12	< 0.000003	0.000054	0.0021
AMQ-ENV-69	WT - Pit	Waste	S9E	9.1	39	473	0.11	86	36	< 3	< 0.3	< 0.6	1.3	4.3	< 0.00001	0.0000040	0.070	8.9	0.0073	0.041	< 0.000007	< 0.000007	16	< 0.000003	0.00013	0.0012
AMQ-ENV15-028	WT - Pit	Waste	S9E	9.6	32	87	< 0.06	3.0	1.0	< 3	< 0.3	< 0.6	0.50	0.13	< 0.00001	0.000041	0.075	1.1	0.0062	0.016	< 0.000007	< 0.000007	5.9	0.0000030	0.000043	0.00043
AMQ-ENV-70	WT - Pit	Waste	S9E	9.4	38	130	0.090	6.6	13	< 3	< 0.3	< 0.6	0.50	0.72	< 0.00001	< 0.000002	0.019	2.4	0.0051	0.026	< 0.000007	< 0.000007	7.5	< 0.000003	0.000024	0.00055
AMQ-ENV15-090	WT - Pit	Waste	S9E	9.7	33	84	< 0.06	2.0	1.0	< 3	< 0.3	< 0.6	1.1	0.24	< 0.00001	< 0.000002	0.092	1.4	0.0075	0.0063	< 0.000007	< 0.000007	5.4	< 0.000003	0.000052	0.0011
AMQ-ENV15-034	WT - Pit	Waste	S9E	9.4	25	83	< 0.06	9.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000020	0.43	0.45	0.0019	0.0064	< 0.000007	< 0.000007	7.4	< 0.000003	0.000042	0.000090
AMQ-ENV15-011	WT - Pit	Waste	S9E	9.8	34	85	< 0.06	2.0	< 1	< 3	< 0.3	< 0.6	1.3	0.17	< 0.00001	0.0000030	0.14	1.2	0.0061	0.020	< 0.000007	< 0.000007	4.5	< 0.000003	0.000054	0.0016
AMQ-ENV15-099	WT - Pit	Waste	S9E	9.2	61	100	< 0.06	3.0	1.0	< 3	< 0.3	< 0.6	0.40	0.080	< 0.00001	0.0000040	0.016	0.90	0.014	0.016	< 0.000007	< 0.000007	8.0	< 0.000003	0.000057	0.00038
AMQ-ENV-17	WT - Pit	Waste	S9E	9.8	34	77	0.080	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	< 0.01	0.18	0.0054	0.032	< 0.000007	< 0.000007	4.0	< 0.000003	0.000016	0.00029
Iron Formation (S9E) WT-Pit Ore			**Minimum**	8.6	26	79	0.060	1.0	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.015	0.30	0.0021	0.0066	0.0000070	0.0000070	2.1	0.0000030	0.000034	0.00017
			Maximum	10.0	75	464	0.31	38	130	3.0	0.30	0.60	13	3.5	0.000010	0.000050	0.36	7.6	0.022	0.24	0.00011	0.0066	30	0.00099	0.0014	0.013
			Median	9.5	40	168	0.090	3.1	4.6	3.0	0.30	0.60	0.45	0.63	0.000010	0.0000080	0.061	3.1	0.0078	0.018	0.0000070	0.0000070	5.3	0.0000030	0.000079	0.00055
			Average	9.2	45	188	0.12	9.3	21	3.0	0.30	0.60	2.2	1.1	0.000010	0.000012	0.12	3.4	0.0083	0.054	0.000014	0.00045	7.9	0.000069	0.00020	0.0029
			Standard Deviation	0.40	15	113	0.085	12	41	-	5.7E-17	1.1E-16	3.8	1.2	-	0.000013	0.11	2.5	0.0048	0.066	0.000026	0.0017	7.0	0.00026	0.00034	0.0043
			75th Percentile	9.8	54	206	0.14	11	10	3.0	0.30	0.60	1.2	1.7	0.000010	0.000021	0.16	4.6	0.0096	0.078	0.0000070	0.0000080	9.1	0.0000030	0.00016	0.0032
Iron Formation (S9E) WT-Pit Waste			**Minimum**	9.1	25	77	0.060	2.0	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.010	0.18	0.0019	0.0063	0.0000070	0.0000070	4.0	0.0000030	0.000016	0.000090
			Maximum	9.8	64	473	0.20	86	36	3.0	0.30	0.60	5.8	4.3	0.000010	0.000041	0.43	8.9	0.028	0.067	0.0000070	0.0000070	16	0.0000030	0.00015	0.0076
			Median	9.4	38	100	0.060	3.0	1.0	3.0	0.30	0.60	0.50	0.17	0.000010	0.0000020	0.070	1.2	0.0061	0.016	0.0000070	0.0000070	6.6	0.0000030	0.000054	0.00055
			Average	9.4	40	143	0.083	11	7.7	3.0	0.30	0.60	1.3	0.91	0.000010	0.0000062	0.096	2.6	0.0083	0.023	0.0000070	0.0000070	7.4	0.0000030	0.000063	0.0014
			Standard Deviation	0.24	12	116	0.042	25	12	-	5.8E-17	1.2E-16	1.8	1.4	-	0.000012	0.12	2.8	0.0071	0.018	8.9E-22	8.9E-22	3.4	4.4E-22	0.000041	0.0021
			75th Percentile	9.7	41	132	0.085	6.3	9.3	3.0	0.30	0.60	1.3	1.4	0.000010	0.0000040	0.11	3.9	0.0074	0.029	0.0000070	0.0000070	7.8	0.0000030	0.000065	0.0014

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
				mg/L													
AMQ-ENV-112	WT - Pit	Waste	S3S	16	0.00070	0.069	0.00024	0.0020	0.0010	5.4	0.042	0.0078	0.0082	0.0000050	0.00078	0.017	< 0.001
AMQ-ENV-122	WT - Pit	Waste	S3S	6.0	0.00040	0.037	< 0.00001	0.0024	< 0.001	3.7	0.000050	0.056	0.0012	0.0000050	0.000039	0.0092	< 0.001
AMQ-ENV15-049	WT - Pit	Waste	S3S	8.3	0.00030	0.010	0.000020	0.0023	0.00017	11	< 0.00001	0.024	0.0019	< 0.000005	0.000024	0.018	< 0.002
AMQ-ENV-117	WT - Pit	Waste	S3S	17	0.00070	0.026	0.000090	0.0025	< 0.001	4.6	0.000090	0.0097	0.0038	0.0000060	0.00085	0.012	< 0.001
AMQ-ENV15-012	WT - Pit	Waste	S3S	14	0.00050	0.070	0.0011	0.0019	0.00061	6.4	0.000020	0.018	0.0033	< 0.000005	0.00013	0.018	< 0.002
AMQ-ENV15-110	WT - Pit	Waste	S3S	9.2	0.00010	< 0.003	0.000030	0.0017	0.000090	3.7	< 0.00001	0.019	0.0015	< 0.000005	0.00044	0.0079	< 0.002
AMQ-ENV15-101	WT - Pit	Waste	S3S	3.9	< 0.0001	< 0.003	0.000030	0.0014	< 0.00004	1.9	< 0.00001	0.048	0.00013	< 0.000005	0.000016	0.0032	< 0.002
AMQ-ENV15-093	WT - Pit	Waste	S3S	3.8	0.00080	< 0.003	0.000020	0.0014	0.00014	3.8	< 0.00001	0.043	0.00014	< 0.000005	0.000073	0.0058	< 0.002
AMQ-ENV15-032	WT - Pit	Waste	S3S	4.0	0.00040	0.030	0.000020	0.0037	0.00023	9.5	< 0.00001	0.025	0.0034	< 0.000005	0.00015	0.026	< 0.002
AMQ-ENV15-023	WT - Pit	Waste	S3S	3.9	0.00040	0.051	0.000070	0.0019	0.00072	10	< 0.00001	0.020	0.0042	< 0.000005	0.00028	0.027	< 0.002
AMQ-ENV17-31	WT - Pit	Waste	S3S	7.1	0.00080	0.036	0.00014	0.0030	0.00019	4.0	0.00021	0.012	0.0077	0.0000090	0.0017	0.016	< 0.002
AMQ-ENV15-003	WT - Pit	Waste	S3S	2.9	0.00020	0.013	0.000060	0.0020	0.00016	10	< 0.00001	0.030	0.00082	< 0.000005	0.000038	0.020	< 0.002
AMQ-ENV17-18	WT - Pit	Waste	S3S	6.0	0.00020	0.017	0.000050	0.0020	0.00026	3.9	0.00013	0.017	0.0023	0.000010	0.00037	0.014	< 0.002
AMQ-ENV-120	WT - Pit	Waste	S3S	14	0.0014	0.079	0.00012	0.0050	< 0.001	9.7	0.000070	0.011	0.015	0.0000060	0.000085	0.034	< 0.001
AMQ-ENV15-102	WT - Pit	Waste	S3S	14	0.00030	0.037	0.000050	0.0023	0.00025	5.7	< 0.00001	0.020	0.0067	< 0.000005	0.000092	0.016	< 0.002
AMQ-ENV-115	WT - Pit	Waste	S3S	14	0.00070	0.026	0.00058	0.0040	< 0.001	3.9	0.00026	0.012	0.0078	< 0.000005	0.00058	0.0085	< 0.001
AMQ-ENV15-103	WT - Pit	Waste	S3S	7.8	0.0010	0.019	0.000090	0.0017	0.00031	11	0.000010	0.021	0.0059	< 0.000005	0.0000080	0.027	< 0.002
AMQ-ENV-66	WT - Pit	Waste	S3S	24	0.0012	0.030	0.00017	0.0033	< 0.001	6.7	0.00011	0.012	0.0091	< 0.000005	0.000063	0.020	< 0.001
AMQ-ENV17-17	WT - Pit	Waste	S3S	4.2	0.00090	0.016	0.00011	0.0025	0.00023	3.9	0.00010	0.024	0.00081	0.0000090	0.000053	0.014	< 0.002
AMQ-ENV15-081	WT - Pit	Waste	S3S	3.5	0.00020	0.013	< 0.00001	0.0026	0.00039	4.9	< 0.00001	0.037	0.00060	< 0.000005	0.00016	0.015	< 0.002
AMQ-ENV-71	WT - Pit	Waste	S3S	29	0.00020	0.010	0.00024	0.0031	< 0.001	3.4	0.00012	0.030	0.0017	< 0.000005	0.00016	0.012	< 0.001
AMQ-ENV-60	WT - Pit	Waste	S3S	13	0.00030	0.015	0.000070	0.0037	< 0.001	3.9	0.000030	0.010	0.00093	< 0.000005	0.000057	0.027	< 0.001
AMQ-ENV17-15	WT - Pit	Waste	S3S	3.0	0.00050	0.0090	0.000030	0.0022	0.00012	5.6	0.000060	0.039	0.00044	0.000013	0.000022	0.025	< 0.002
AMQ-ENV-116	WT - Pit	Waste	S3S	16	0.00020	0.018	0.000020	0.0025	< 0.001	8.4	0.000060	0.029	0.0025	< 0.000005	0.000015	0.025	< 0.001
AMQ-ENV-67	WT - Pit	Waste	S3S	14	0.00070	0.019	0.000090	0.0063	< 0.001	6.2	0.000060	0.016	0.0060	< 0.000005	0.000025	0.023	< 0.001
AMQ-ENV17-25	WT - Pit	Waste	S3S	7.2	0.00050	0.0070	0.00019	0.0018	0.00020	4.5	0.00015	0.024	0.0028	< 0.000005	0.0014	0.0096	< 0.002
AMQ-ENV17-49	UG	Waste	S3S	7.1	0.00020	0.016	0.00016	0.0035	0.00036	3.9	< 0.00001	0.020	0.0082	0.0000050	0.00078	0.018	< 0.002
AMQ-ENV17-58	UG	Waste	S3S	4.1	0.0019	0.026	0.00011	0.0018	0.000090	12	< 0.00001	0.046	0.015	0.0000070	0.0000050	0.029	< 0.002
AMQ-ENV17-55	UG	Waste	S3S	6.3	0.00030	0.011	0.000090	0.0027	0.00015	11	0.000050	0.052	0.0025	< 0.000005	0.0000040	0.027	< 0.002
AMQ-ENV17-50	UG	Waste	S3S	6.9	0.00090	0.019	0.00016	0.0016	0.00031	15	0.000010	0.080	0.0065	< 0.000005	0.000036	0.024	< 0.002
AMQ-ENV17-62	UG	Waste	S3S	3.9	0.00020	0.010	0.000060	0.0028	0.000080	13	< 0.00001	0.085	0.0019	< 0.000005	0.000010	0.021	< 0.002
Greywacke South (S3S) WT-Pit Waste			**Minimum**	2.9	0.00010	0.0030	0.000010	0.0014	0.000040	1.9	0.000010	0.0078	0.00013	0.0000050	0.0000080	0.0032	0.0010
			Maximum	29	0.0014	0.079	0.0011	0.0063	0.0010	11	0.042	0.056	0.015	0.000013	0.0017	0.034	0.0020
			Median	8.0	0.00045	0.019	0.000070	0.0024	0.00035	5.1	0.000055	0.021	0.0027	0.0000050	0.000089	0.016	0.0020
			Average	10	0.00053	0.026	0.00014	0.0027	0.00054	6.0	0.0017	0.024	0.0038	0.0000059	0.00029	0.017	0.0016
			Standard Deviation	6.7	0.00034	0.021	0.00022	0.0011	0.00039	2.7	0.0081	0.013	0.0035	0.0000020	0.00045	0.0078	0.00050
			75th Percentile	14	0.00070	0.035	0.00014	0.0031	0.0010	8.0	0.00011	0.030	0.0060	0.0000050	0.00035	0.025	0.0020
Greywacke South (S3S) UG Waste			**Minimum**	3.9	0.00020	0.010	0.000060	0.0016	0.000080	3.9	0.000010	0.020	0.0019	0.0000050	0.0000040	0.018	0.0020
			Maximum	7.1	0.0019	0.026	0.00016	0.0035	0.00036	15	0.000050	0.085	0.015	0.0000070	0.00078	0.029	0.0020
			Median	6.3	0.00030	0.016	0.00011	0.0027	0.00015	12	0.000010	0.052	0.0065	0.0000050	0.000010	0.024	0.0020
			Average	5.7	0.00070	0.016	0.00012	0.0025	0.00020	11	0.000018	0.057	0.0068	0.0000054	0.00017	0.024	0.0020
			Standard Deviation	1.5	0.00073	0.0065	0.000044	0.00078	0.00013	4.3	0.000018	0.027	0.0053	0.00000089	0.00034	0.0042	-
			75th Percentile	6.9	0.00090	0.019	0.00016	0.0028	0.00031	13	0.000010	0.080	0.0082	0.0000050	0.000036	0.027	0.0020
AMQ-ENV17-40	IVR	Ore	S9E	5.8	0.00030	0.0040	0.000010	0.0039	0.000090	2.4	0.00011	0.036	0.00021	< 0.000005	0.000042	0.00071	< 0.002
AMQ-ENV-57	WT - Pit	Ore	S9E	1.8	0.031	0.0040	< 0.00001	0.054	< 0.001	4.2	0.000030	0.026	0.00035	< 0.000005	0.000044	0.0065	< 0.001
AMQ-ENV15-027	WT - Pit	Ore	S9E	0.91	0.0019	< 0.003	< 0.00001	0.020	0.000080	3.0	< 0.00001	0.021	0.00024	< 0.000005	0.0000080	0.0055	< 0.002
AMQ-ENV15-135	WT - Pit	Ore	S9E	13	0.0060	0.011	0.0013	0.035	0.0067	15	0.000060	0.019	0.0030	0.0023	0.0015	0.035	0.0020
AMQ-ENV15-089	WT - Pit	Ore	S9E	1.9	0.0080	< 0.003	< 0.00001	0.023	0.00012	3.8	< 0.00001	0.034	0.00055	< 0.000005	0.000027	0.0050	< 0.002
AMQ-ENV15-039	WT - Pit	Ore	S9E	0.43	0.0018	< 0.003	< 0.00001	0.013	< 0.00004	7.2	< 0.00001	0.041	< 0.00005	< 0.000005	< 0.000002	0.0062	< 0.002
AMQ-ENV-56	WT - Pit	Ore	S9E	25	0.012	0.0090	< 0.00001	0.11	< 0.001	5.4	0.000050	0.017	0.00052	< 0.000005	0.000075	0.014	< 0.001
AMQ-ENV-49	WT - Pit	Ore	S9E	64	0.0037	0.0050	< 0.00001	0.045	< 0.001	3.5	0.000030	0.054	0.000090	< 0.000005	0.000015	0.011	< 0.001
AMQ-ENV15-045	WT - Pit	Ore	S9E	3.4	0.0013	< 0.003	< 0.00001	0.016	0.000060	4.2	< 0.00001	0.025	0.000050	< 0.000005	< 0.000002	0.0072	< 0.002
AMQ-ENV15-010	WT - Pit	Ore	S9E	1.3	0.0020	< 0.003	0.000020	0.010	0.00013	3.4	0.000040	0.022	0.00031	< 0.000005	0.0000090	0.0062	< 0.002
AMQ-ENV-47	WT - Pit	Ore	S9E	1.6	0.0021	0.011	< 0.00001	0.053	< 0.001	7.5	0.000020	0.053	0.00036	< 0.000005	0.000078	0.038	< 0.001
AMQ-ENV15-021	WT - Pit	Ore	S9E	1.2	0.00060	< 0.003	0.000040	0.0096	0.00012	5.4	0.00060	0.12	< 0.00005	0.000011	< 0.000002	0.0054	0.0020
AMQ-ENV-125	WT - Pit	Ore	S9E	15	0.0016	< 0.009	0.000020	0.037	< 0.001	12	0.000050	0.040	0.0019	0.0000050	0.000012	0.029	< 0.001
AMQ-ENV15-083	WT - Pit	Ore	S9E	2.2	0.00020	< 0.003	< 0.00001	0.0081	< 0.00004	6.8	< 0.00001	0.044	< 0.00005	< 0.000005	< 0.000002	0.013	< 0.002
AMQ-ENV-64	WT - Pit	Ore	S9E	16	0.0021	0.014	0.000040	0.029	< 0.001	11	0.000050	0.042	0.0033	0.00036	0.000040	0.027	< 0.001
AMQ-ENV17-14	WT - Pit	Ore	S9E	3.9	0.0018	< 0.003	< 0.00001	0.021	0.00016	3.0	0.000060	0.021	0.00018	< 0.000005	0.000017	0.012	< 0.002
AMQ-ENV15-038	WT - Pit	Waste	S9E	1.2	0.0021	< 0.003	0.000050	0.015	0.00012	3.0	0.00023	0.026	0.000090	< 0.000005	0.0000020	0.0033	< 0.002
AMQ-ENV-58	WT - Pit	Waste	S9E	13	0.0028	0.014	0.000020	0.064	< 0.001	7.9	0.000030	0.020	0.0016	< 0.000005	0.0000030	0.029	< 0.001
AMQ-ENV-31	WT - Pit	Waste	S9E	0.68	0.0037	0.015	< 0.00001	0.083	< 0.001	9.6	0.000040	0.030	0.00010	0.0000050	0.000012	0.020	< 0.001
AMQ-ENV-69	WT - Pit	Waste	S9E	54	0.0077	0.0050	< 0.00001	0.13	< 0.001	5.7	0.000040	0.039	0.00026	< 0.000005	0.0000070	0.020	< 0.001
AMQ-ENV15-028	WT - Pit	Waste	S9E	0.82	0.00060	< 0.003	< 0.00001	0.013	0.00018	5.4	< 0.00001	0.041	< 0.00005	0.000027	< 0.000002	0.012	< 0.002
AMQ-ENV-70	WT - Pit	Waste	S9E	1.1	0.00090	0.0060	< 0.00001	0.036	< 0.001	5.7	0.000060	0.077	0.00010	0.0000080	0.0000020	0.020	< 0.001
AMQ-ENV15-090	WT - Pit	Waste	S9E	0.60	0.0012	< 0.003	0.000010	0.026	0.000080	5.9	0.000010	0.024	0.00013	< 0.000005	< 0.000002	0.011	< 0.002
AMQ-ENV15-034	WT - Pit	Waste	S9E	1.2	0.0015	< 0.003	< 0.00001	0.0093	0.000070	2.2	< 0.00001	0.025	0.00011	< 0.000005	< 0.000002	0.0022	< 0.002
AMQ-ENV15-011	WT - Pit	Waste	S9E	1.2	0.00080	< 0.003	< 0.00001	0.012	0.00013	7.5	< 0.00001	0.039	0.00037	< 0.000005	< 0.000002	0.015	< 0.002
AMQ-ENV15-099	WT - Pit	Waste	S9E	0.39	0.0019	< 0.003	< 0.00001	0.014	< 0.00004	3.9	< 0.00001	0.073	< 0.00005	0.000014	< 0.000002	0.0043	< 0.002
AMQ-ENV-17	WT - Pit	Waste	S9E	2.5	0.00020	< 0.009	< 0.00001	0.0035	< 0.001	7.4	0.000020	0.031	0.0017	0.000047	< 0.000002	0.0096	< 0.001
Iron Formation (S9E) WT-Pit Ore			**Minimum**	0.43	0.00020	0.0030	0.000010	0.0081	0.000040	3.0	0.000010	0.017	0.000050	0.0000050	0.0000020	0.0050	0.0010
			Maximum	64	0.031	0.014	0.0013	0.11	0.0067	15	0.00060	0.12	0.0033	0.0023	0.0015	0.038	0.0020
			Median	2.2	0.0020	0.0030	0.000010	0.023	0.00016	5.4	0.000030	0.034	0.00031	0.0000050	0.000015	0.011	0.0020
			Average	10	0.0050	0.0058	0.000099	0.032	0.00090	6.4	0.000069	0.038	0.00073	0.00018	0.00012	0.015	0.0016
			Standard Deviation	17	0.0078	0.0039	0.00032	0.026	0.0017	3.7	0.00015	0.025	0.0011	0.00059	0.00038	0.012	0.00051
			75th Percentile	14	0.0049	0.0090	0.000020	0.041	0.0010	7.3	0.000050	0.043	0.00054	0.0000050	0.000042	0.020	0.0020
Iron Formation (S9E) WT-Pit Waste			**Minimum**	0.39	0.00020	0.0030	0.000010	0.0035	0.000040	2.2	0.000010	0.020	0.000050	0.0000050	0.0000020	0.0022	0.0010
			Maximum	54	0.0077	0.015	0.000050	0.13	0.0010	9.6	0.00023	0.077	0.0017	0.000047	0.000012	0.029	0.0020
			Median	1.2	0.0015	0.0030	0.000010	0.015	0.00018	5.7	0.000020	0.031	0.00011	0.0000050	0.0000020	0.012	0.0020
			Average	6.9	0.0021	0.0061	0.000015	0.037	0.00051	5.8	0.000043	0.039	0.00041	0.000012	0.0000035	0.013	0.0015
			Standard Deviation	16	0.0021	0.0046	0.000012	0.040	0.00047	2.2	0.000064	0.019	0.00061	0.000013	0.0000032	0.0083	0.00052
			75th Percentile	1.9	0.0025	0.0075	0.000010	0.050	0.0010	7.4	0.000040	0.040	0.00032	0.000011	0.0000025	0.020	0.0020

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium
				pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		mg/L		as N mg/L		µg/L		mg/L											
AMQ-ENV16-27	IVR	Ore	V4A-0a	9.5	56	150	0.12	4.0	3.0	-	-	-	-	-	< 0.00001	< 0.000002	0.019	3.3	0.038	0.014	< 0.000007	< 0.000007	5.1	< 0.000003	0.000042	0.0016
AMQ-ENV16-55	IVR	Ore	V4A-0a	9.5	40	99	0.16	4.0	2.0	-	-	-	-	-	< 0.00001	0.0000040	0.018	2.5	0.0096	0.015	< 0.000007	< 0.000007	6.6	< 0.000003	0.000029	0.0012
AMQ-ENV16-24	IVR	Waste	V4A-0a	9.2	55	125	0.080	4.0	1.0	-	-	-	-	-	< 0.00001	< 0.000002	0.034	0.60	0.022	0.010	< 0.000007	< 0.000007	8.4	< 0.000003	0.00040	0.00024
AMQ-ENV16-21	IVR	Waste	V4A-0a	9.4	48	118	0.15	3.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.52	0.067	0.0041	0.010	< 0.000007	< 0.000007	4.4	< 0.000003	0.000015	0.000080
AMQ-ENV16-26	IVR	Waste	V4A-0a	9.6	39	96	0.090	3.0	1.0	-	-	-	-	-	< 0.00001	0.0000020	0.024	0.11	0.020	0.015	< 0.000007	< 0.000007	4.5	< 0.000003	0.000024	0.00014
AMQ-ENV16-40	IVR	Waste	V4A-0a	9.3	38	146	0.10	7.0	14	-	-	-	-	-	< 0.00001	0.0000070	0.020	1.6	0.068	0.019	< 0.000007	< 0.000007	5.8	< 0.000003	0.000052	0.0010
AMQ-ENV16-59	IVR	Waste	V4A-0a	9.1	62	198	0.16	9.0	15	-	-	-	-	-	< 0.00001	0.0000030	0.061	0.90	0.033	0.014	< 0.000007	< 0.000007	8.3	< 0.000003	0.00011	0.00035
AMQ-ENV17-79	IVR	Waste	V4A-0a	9.5	31	88	0.12	5.0	4.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.37	0.0080	0.0055	0.017	< 0.000007	0.0000090	5.1	0.000011	0.000036	0.00013
AMQ-ENV16-34	IVR	Waste	V4A-0a	9.9	49	124	0.17	2.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.23	0.89	0.011	0.016	< 0.000007	< 0.000007	2.2	< 0.000003	0.00010	0.0011
AMQ-ENV16-15	IVR	Waste	V4A-0a	9.7	34	91	0.33	5.0	1.0	-	-	-	-	-	< 0.00001	0.0000040	0.25	0.35	0.0059	0.033	< 0.000007	< 0.000007	4.7	< 0.000003	0.000028	0.00032
AMQ-ENV16-39	IVR	Waste	V4A-0a	9.2	53	174	0.090	7.0	17	-	-	-	-	-	< 0.00001	0.0000060	0.040	1.4	0.060	0.014	< 0.000007	< 0.000007	8.4	< 0.000003	0.000075	0.00045
AMQ-ENV16-25	IVR	Waste	V4A-0a	9.4	49	118	0.090	4.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.017	0.87	0.043	0.016	< 0.000007	< 0.000007	7.6	< 0.000003	0.000037	0.00032
AMQ-ENV16-33	IVR	Waste	V4A-0a	9.5	28	85	0.080	3.0	1.0	-	-	-	-	-	< 0.00001	< 0.000002	0.020	0.42	0.012	0.012	< 0.000007	< 0.000007	6.0	< 0.000003	0.000078	0.00021
AMQ-ENV17-38	IVR	Waste	V4A-0a	9.7	40	111	0.060	4.0	< 2	< 3	< 0.3	< 0.6	0.50	0.12	< 0.00001	< 0.00005	0.028	0.93	0.026	0.016	< 0.000007	< 0.000007	4.0	< 0.000003	0.000026	0.00067
AMQ-ENV16-30	IVR	Waste	V4A-0a	9.5	48	122	0.080	4.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.018	1.2	0.029	0.011	< 0.000007	< 0.000007	4.8	< 0.000003	0.000030	0.00054
AMQ-ENV16-38	IVR	Waste	V4A-0a	9.6	44	112	< 0.06	3.0	2.0	-	-	-	-	-	< 0.00001	0.0000080	0.029	1.0	0.020	0.026	< 0.000007	< 0.000007	4.7	< 0.000003	0.000021	0.00063
AMQ-ENV16-29	IVR	Waste	V4A-0a	9.5	53	132	0.10	3.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.021	1.6	0.039	0.011	< 0.000007	< 0.000007	6.8	0.0000060	0.000046	0.00071
AMQ-ENV17-43	IVR	Waste	V4A-0a	9.7	52	141	0.10	5.0	< 2	< 3	< 0.3	< 0.6	0.70	0.40	< 0.00001	< 0.00005	0.038	1.9	0.027	0.019	< 0.000007	< 0.000007	2.9	< 0.000003	0.000050	0.0021
AMQ-ENV17-46	IVR	Waste	V4A-0a	9.8	50	120	< 0.06	2.0	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000010	< 0.00005	0.042	0.0034	0.035	0.023	< 0.000007	< 0.000007	3.2	0.0000070	< 0.000004	0.00013
AMQ-ENV15-016	WT - Pit	Ore	V4A-0a	9.1	38	203	< 0.06	13	34	< 3	< 0.3	< 0.6	0.20	0.37	< 0.00001	0.000020	0.091	1.7	0.053	0.013	< 0.000007	0.000015	12	< 0.000003	0.000094	0.00013
AMQ-ENV15-105	WT - Pit	Ore	V4A-0a	9.8	41	106	0.070	4.0	1.0	< 3	< 0.3	< 0.6	1.3	0.72	< 0.00001	< 0.000002	0.022	2.0	0.011	0.067	< 0.000007	< 0.000007	5.1	< 0.000003	0.000091	0.0018
AMQ-ENV15-014	WT - Pit	Waste	V4A-0a	9.6	34	90	0.090	5.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.031	0.010	0.024	0.0085	< 0.000007	< 0.000007	5.5	< 0.000003	0.000033	< 0.00003
AMQ-ENV16-50	WT - Pit	Waste	V4A-0a	5.2	< 2	348	0.060	14	140	-	-	-	-	-	< 0.00001	0.0000020	0.083	0.0099	0.069	0.025	0.000075	< 0.000007	13	0.0014	0.077	0.000070
AMQ-ENV15-040	WT - Pit	Waste	V4A-0a	9.7	31	69	< 0.06	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.021	0.016	0.023	0.0077	< 0.000007	< 0.000007	5.3	< 0.000003	0.000020	< 0.00003
AMQ-ENV15-029	WT - Pit	Waste	V4A-0a	9.6	29	75	< 0.06	4.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000060	0.041	0.079	0.0091	0.0084	< 0.000007	< 0.000007	7.0	< 0.000003	0.000034	< 0.00003
AMQ-ENV-32	WT - Pit	Waste	V4A-0a	9.4	44	105	< 0.06	2.4	< 2	< 3	< 0.3	< 0.6	-	0.11	< 0.00001	< 0.000002	< 0.01	0.98	0.020	0.014	< 0.000007	< 0.000007	5.2	< 0.000003	0.000051	0.00030
AMQ-ENV-59	WT - Pit	Waste	V4A-0a	9.6	65	145	0.23	< 2	2.1	< 3	< 0.3	< 0.6	1.0	0.12	< 0.00001	0.0000030	0.015	0.62	0.0031	0.074	< 0.000007	< 0.000007	3.3	< 0.000003	0.000096	0.0016
AMQ-ENV15-041	WT - Pit	Waste	V4A-0a	9.6	27	61	< 0.06	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.026	0.0092	0.011	0.011	< 0.000007	< 0.000007	3.6	< 0.000003	0.000024	< 0.00003
AMQ-ENV-16	WT - Pit	Waste	V4A-0a	9.5	34	75	< 0.06	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	< 0.01	0.31	0.0063	0.029	< 0.000007	< 0.000007	5.5	< 0.000003	0.000089	0.00020
AMQ-ENV15-055	WT - Pit	Waste	V4A-0a	9.6	29	66	< 0.06	< 1	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.026	0.056	0.011	0.012	< 0.000007	< 0.000007	5.3	< 0.000003	0.000034	< 0.00003
AMQ-ENV-33	WT - Pit	Waste	V4A-0a	9.6	45	88	< 0.06	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	< 0.01	0.11	0.013	0.023	< 0.000007	< 0.000007	3.8	< 0.000003	0.000057	0.00018
AMQ-ENV-72	WT - Pit	Waste	V4A-0a	9.4	62	161	0.13	2.9	3.5	< 3	< 0.3	< 0.6	1.6	1.1	< 0.00001	0.0000020	0.054	3.4	0.042	0.023	< 0.000007	< 0.000007	5.2	< 0.000003	0.000030	0.0017
AMQ-ENV-39	WT - Pit	Waste	V4A-0a	9.4	42	85	< 0.06	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	< 0.01	0.21	0.014	0.023	< 0.000007	< 0.000007	4.7	< 0.000003	0.00024	0.00013
AMQ-ENV15-030	WT - Pit	Waste	V4A-0a	9.6	29	62	< 0.06	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000070	0.031	0.084	0.0048	0.015	< 0.000007	< 0.000007	5.7	< 0.000003	0.000029	< 0.00003
AMQ-ENV-73	WT - Pit	Waste	V4A-0a	9.3	46	111	0.14	< 2	2.7	< 3	< 0.3	< 0.6	1.6	0.65	< 0.00001	0.0000040	0.013	2.3	0.0038	0.068	< 0.000007	< 0.000007	6.4	< 0.000003	0.000065	0.0020
AMQ-ENV-121	WT - Pit	Waste	V4A-0a	9.9	94	216	0.33	< 2	6.7	< 3	< 0.3	< 0.6	-	0.12	< 0.00001	< 0.000002	0.040	0.36	0.0048	0.10	< 0.000007	< 0.000007	2.0	< 0.000003	0.000089	0.0044
AMQ-ENV15-026	WT - Pit	Waste	V4A-0a	9.6	31	72	< 0.06	2.0	1.0	< 3	< 0.3	< 0.6	0.80	0.15	< 0.00001	0.0000020	0.037	1.1	0.0088	0.021	< 0.000007	< 0.000007	6.5	< 0.000003	0.000048	0.00064
AMQ-ENV-43	WT - Pit	Waste	V4A-0a	9.1	66	152	0.080	< 2	3.3	< 3	< 0.3	< 0.6	-	1.1	< 0.00001	< 0.000002	0.010	4.0	0.014	0.056	< 0.000007	< 0.000007	8.6	< 0.000003	0.00035	0.0012
AMQ-ENV-44	WT - Pit	Waste	V4A-0a	9.8	42	88	0.060	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	0.010	0.13	0.0043	0.10	< 0.000007	< 0.000007	3.0	< 0.000003	0.000069	0.00026
AMQ-ENV15-084	WT - Pit	Waste	V4A-0a	9.4	49	100	< 0.06	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.016	0.21	0.017	0.052	< 0.000007	< 0.000007	8.9	< 0.000003	0.000053	0.00013
AMQ-ENV15-068	UG	Waste	V4A-0a	9.8	38	97	0.070	3.0	1.0	< 3	< 0.3	< 0.6	0.70	0.25	< 0.00001	0.000033	0.048	1.2	0.021	0.062	< 0.000007	< 0.000007	4.6	< 0.000003	0.000059	0.00066
AMQ-ENV15-121	UG	Waste	V4A-0a	9.4	58	134	0.070	3.0	1.0	< 3	< 0.3	< 0.6	0.30	0.17	< 0.00001	0.00016	0.029	0.99	0.030	0.063	< 0.000007	0.0000090	7.0	< 0.000003	0.000069	0.00022
AMQ-ENV15-071	UG	Waste	V4A-0a	9.6	45	99	0.070	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000030	0.045	0.27	0.021	0.053	< 0.000007	< 0.000007	3.9	< 0.000003	0.00026	0.00014
AMQ-ENV15-051	UG	Waste	V4A-0a	9.4	59	142	0.060	4.0	2.0	< 3	< 0.3	< 0.6	0.90	0.77	< 0.00001	< 0.000002	0.022	2.4	0.030	0.051	< 0.000007	< 0.000007	6.4	< 0.000003	0.00022	0.00083
Komatiite North (V4A-0a) IVR Ore			**Minimum**	9.5	40	99	0.12	4.0	2.0	-	-	-	-	-	0.000010	0.0000020	0.018	2.5	0.0096	0.014	0.0000070	0.0000070	5.1	0.0000030	0.000029	0.0012
			Maximum	9.5	56	150	0.16	4.0	3.0	-	-	-	-	-	0.000010	0.0000040	0.019	3.3	0.038	0.015	0.0000070	0.0000070	6.6	0.0000030	0.000042	0.0016
			Median	9.5	48	125	0.14	4.0	2.5	-	-	-	-	-	0.000010	0.0000030	0.019	2.9	0.024	0.015	0.0000070	0.0000070	5.9	0.0000030	0.000036	0.0014
			Average	9.5	48	125	0.14	4.0	2.5	-	-	-	-	-	0.000010	0.0000030	0.019	2.9	0.024	0.015	0.0000070	0.0000070	5.9	0.0000030	0.000036	0.0014
			Standard Deviation	0	11	36	0.028	0	0.71	-	-	-	-	-	0	0.0000014	0.00071	0.54	0.020	0.00071	0	0	1.1	0	0.0000092	0.00030
			75th Percentile	9.5	52	137	0.15	4.0	2.8	-	-	-	-	-	0.000010	0.0000035	0.019	3.1	0.031	0.015	0.0000070	0.0000070	6.3	0.0000030	0.000039	0.0015
Komatiite North (V4A-0a) IVR Waste			**Minimum**	9.1	28	85	0.060	2.0	1.0	-	-	-	-	-	0.000010	0.0000020	0.017	0.0034	0.0041	0.010	0.0000070	0.0000070	2.2	0.0000030	0.0000040	0.000080
			Maximum	9.9	62	198	0.33	9.0	17	3.0	0.30	0.60	0.70	0.40	0.000010	0.000050	0.52	1.9	0.068	0.033	0.0000070	0.0000090	8.4	0.000011	0.00040	0.0021
			Median	9.5	48	120	0.090	4.0	2.0	3.0	0.30	0.60	0.35	0.075	0.000010	0.0000030	0.034	0.89	0.026	0.016	0.0000070	0.0000070	4.8	0.0000030	0.000037	0.00035
			Average	9.4	45	124	0.11	4.3	4.2	3.0	0.30	0.60	0.40	0.15	0.000010	0.000014	0.10	0.82	0.027	0.017	0.0000070	0.0000071	5.4	0.0000039	0.000067	0.00054
			Standard Deviation	0.22	9.2	29	0.065	1.9	5.4	-	-	-	0.24	0.18	-	0.000020	0.15	0.60	0.018	0.0061	2.6E-21	0.00000049	1.9	0.0000022	0.000092	0.00051
			75th Percentile	9.7	52	132	0.12	5.0	2.0	3.0	0.30	0.60	0.55	0.19	0.000010	0.0000080	0.061	1.2	0.035	0.019	0.0000070	0.0000070	6.8	0.0000030	0.000075	0.00067
Komatiite North (V4A-0a) WT-Pit Ore			**Minimum**	9.1	38	106	0.060	4.0	1.0	3.0	0.30	0.60	0.20	0.37	0.000010	0.0000020	0.022	1.7	0.011	0.013	0.0000070	0.0000070	5.1	0.0000030	0.000091	0.00013
			Maximum	9.8	41	203	0.070	13	34	3.0	0.30	0.60	1.3	0.72	0.000010	0.000020	0.091	2.0	0.053	0.067	0.0000070	0.000015	12	0.0000030	0.000094	0.0018
			Median	9.4	40	155	0.065	8.5	18	3.0	0.30	0.60	0.75	0.55	0.000010	0.000011	0.057	1.8	0.032	0.040	0.0000070	0.000011	8.8	0.0000030	0.000093	0.00094
			Average	9.3	40	155	0.065	8.5	18	3.0	0.30	0.60	0.75	0.55	0.000010	0.000011	0.057	1.8	0.032	0.040	0.0000070	0.000011	8.8	0.0000030	0.000093	0.00094
			Standard Deviation	0.49	2.1	69	0.0071	6.4	23	-	-	-	0.78	0.25	-	0.000013	0.049	0.20	0.029	0.039	-	0.0000057	5.2	-	0.0000021	0.0011
			75th Percentile	9.6	40	179	0.068	11	26	3.0	0.30	0.60	1.0	0.63	0.000010	0.000016	0.074	1.9	0.042	0.054	0.0000070	0.000013	11	0.0000030	0.000093	0.0013
Komatiite North (V4A-0a) WT-Pit Waste			**Minimum**	5.2	2.0	61	0.060	1.0	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.010	0.0092	0.0031	0.0077	0.0000070	0.0000070	2.0	0.0000030	0.000020	0.000030
			Maximum	9.9	94	348	0.33	14	140	3.0	0.30	0.60	1.6	1.1	0.000010	0.0000070	0.083	4.0	0.069	0.10	0.000075	0.0000070	13	0.0014	0.077	0.0044
			Median	9.6	42	88	0.060	2.0	2.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.021	0.21	0.011	0.023	0.0000070	0.0000070	5.3	0.0000030	0.000053	0.00018
			Average	6.5	42	114	0.094	2.7	9.3	3.0	0.30	0.60	0.58	0.21	0.000010	0.0000026	0.026	0.73	0.016	0.036	0.000011	0.0000070	5.7	0.000079	0.0041	0.00068
			Standard Deviation	1.0	20	70	0.072	2.9	32	-	5.7E-17	1.1E-16	0.58	0.36	-	0.0000015	0.019	1.2	0.016	0.031	0.000016	2.6E-21	2.4	0.00033	0.018	0.0011
			75th Percentile	9.6	48	128	0.085	2.2	2.4	3.0	0.30	0.60	0.90	0.12	0.000010	0.0000020	0.034	0.80	0.018	0.054	0.0000070	0.0000070	6.4	0.0000030	0.000089	0.00091
Komatiite North (V4A-0a) UG Waste			**Minimum**	9.4	38	97	0.060	1.0	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.022	0.27	0.021	0.051	0.0000070	0.0000070	3.9	0.0000030	0.000059	0.00014
			Maximum	9.8	59	142	0.070	4.0	2.0	3.0	0.30	0.60	0.90	0.77	0.000010	0.00016	0.048	2.4	0.030	0.063	0.0000070	0.0000090	7.0	0.0000030	0.00026	0.00083
			Median	9.5	52	117	0.070	3.0	1.0	3.0	0.30	0.60	0.50	0.21	0.000010	0.000018	0.037	1.1	0.025	0.058	0.0000070	0.0000070	5.5	0.0000030	0.00014	0.00044
			Average	9.5	50	118	0.068	2.8	1.3	3.0	0.30	0.60	0.53	0.31	0.000010	0.0000051	0.036	1.2	0.026	0.057	0.0000070	0.0000075	5.5	0.0000030	0.00015	0.00046
			Standard Deviation	0.18	8.9	22	0.0055	1.3	0.45	-	-	-	0.32	0.31	-	0.0000070	0.014	0.88	0.0060	0.0058	9.5E-22	0.00000089	2.0	-	0.000100	0.00033
			75th Percentile	9.6	58	136	0.070	3.3	1.3	3.0	0.30	0.60	0.75	0.38	0.000010	0.000066	0.046	1.5	0.030	0.062	0.0000070	0.0000075	6.6	0.0000030	0.00023	0.00070

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
				mg/L													
AMQ-ENV16-27	IVR	Ore	V4A-0a	2.1	0.0012	< 0.003	0.000050	0.031	0.00017	5.7	< 0.00001	0.11	0.00039	0.000017	< 0.000002	0.011	< 0.002
AMQ-ENV16-55	IVR	Ore	V4A-0a	1.1	0.00080	0.0080	0.000030	0.044	0.00011	8.1	0.000020	0.15	0.00013	0.000075	0.000019	0.012	< 0.002
AMQ-ENV16-24	IVR	Waste	V4A-0a	1.2	0.057	< 0.003	< 0.00001	0.0084	0.00010	3.6	< 0.00001	0.054	< 0.00005	0.000030	< 0.000002	0.0028	< 0.002
AMQ-ENV16-21	IVR	Waste	V4A-0a	2.3	0.00030	< 0.003	0.000020	0.0086	0.00012	1.7	< 0.00001	0.012	0.000080	0.0000090	< 0.000002	0.0044	< 0.002
AMQ-ENV16-26	IVR	Waste	V4A-0a	0.56	0.00040	< 0.003	0.000040	0.011	0.00010	4.1	0.000060	0.071	< 0.00005	0.000037	< 0.000002	0.0046	< 0.002
AMQ-ENV16-40	IVR	Waste	V4A-0a	0.96	0.0018	0.012	0.000010	0.014	0.0023	5.5	0.000010	0.037	0.00020	0.000059	0.000018	0.037	< 0.002
AMQ-ENV16-59	IVR	Waste	V4A-0a	1.3	0.0022	< 0.003	< 0.00001	0.016	0.00032	3.5	< 0.00001	0.053	0.000070	0.000017	0.0000080	0.0059	< 0.002
AMQ-ENV17-79	IVR	Waste	V4A-0a	3.4	0.00030	< 0.003	0.00011	0.0065	0.000090	2.5	0.000040	0.025	0.00022	0.0000050	0.0000030	0.0047	< 0.002
AMQ-ENV16-34	IVR	Waste	V4A-0a	2.6	0.00060	0.018	0.000080	0.016	0.00010	5.1	< 0.00001	0.027	0.0010	0.000013	0.0000080	0.016	< 0.002
AMQ-ENV16-15	IVR	Waste	V4A-0a	1.6	0.00030	< 0.003	< 0.00001	0.013	0.00012	3.9	< 0.00001	0.021	0.00040	< 0.000005	< 0.000002	0.010	< 0.002
AMQ-ENV16-39	IVR	Waste	V4A-0a	2.6	0.0016	0.014	< 0.00001	0.011	0.00015	4.6	< 0.00001	0.068	0.00011	0.000045	0.000017	0.0077	< 0.002
AMQ-ENV16-25	IVR	Waste	V4A-0a	1.2	0.0012	< 0.003	0.000080	0.020	0.00017	4.8	< 0.00001	0.10	0.00012	0.000058	< 0.000002	0.0052	< 0.002
AMQ-ENV16-33	IVR	Waste	V4A-0a	0.79	0.0010	< 0.003	0.000020	0.017	0.000090	4.8	0.000060	0.061	< 0.00005	0.000055	< 0.000002	0.0050	< 0.002
AMQ-ENV17-38	IVR	Waste	V4A-0a	1.5	0.00050	< 0.003	< 0.00001	0.016	0.00011	6.8	0.000050	0.098	0.00018	0.000021	< 0.000002	0.010	< 0.002
AMQ-ENV16-30	IVR	Waste	V4A-0a	0.95	0.00070	< 0.003	0.000030	0.033	0.00013	4.9	< 0.00001	0.059	0.000090	0.000031	< 0.000002	0.0066	< 0.002
AMQ-ENV16-38	IVR	Waste	V4A-0a	2.1	0.00090	0.0040	0.000020	0.033	0.000080	6.0	0.000010	0.042	0.00022	0.000025	< 0.000002	0.012	< 0.002
AMQ-ENV16-29	IVR	Waste	V4A-0a	0.66	0.0011	< 0.003	0.000050	0.020	0.00011	4.5	< 0.00001	0.093	0.00010	0.000018	< 0.000002	0.0073	< 0.002
AMQ-ENV17-43	IVR	Waste	V4A-0a	1.5	0.00070	< 0.003	0.000020	0.032	0.00010	6.0	0.000060	0.059	0.00075	0.000017	0.0000020	0.012	< 0.002
AMQ-ENV17-46	IVR	Waste	V4A-0a	1.8	0.0011	< 0.003	0.000040	0.0046	< 0.00004	3.9	< 0.00001	0.045	0.000070	0.000022	< 0.000002	0.0035	< 0.002
AMQ-ENV15-016	WT - Pit	Ore	V4A-0a	1.9	0.0067	< 0.003	< 0.00001	0.019	0.0023	3.2	< 0.00001	0.11	0.00021	0.000025	0.0000080	0.0055	< 0.002
AMQ-ENV15-105	WT - Pit	Ore	V4A-0a	6.8	0.00080	< 0.003	0.000010	0.0086	< 0.00004	9.8	< 0.00001	0.047	0.00093	< 0.000005	0.0000090	0.022	< 0.002
AMQ-ENV15-014	WT - Pit	Waste	V4A-0a	0.41	0.00020	< 0.003	< 0.00001	0.0021	< 0.00004	2.7	< 0.00001	0.063	< 0.00005	0.000020	< 0.000002	0.0016	< 0.002
AMQ-ENV16-50	WT - Pit	Waste	V4A-0a	5.4	0.21	0.0030	0.00021	0.00020	0.00087	9.1	< 0.00001	0.075	< 0.00005	0.000070	0.00031	0.000020	0.16
AMQ-ENV15-040	WT - Pit	Waste	V4A-0a	0.39	0.00010	< 0.003	< 0.00001	0.0051	0.00015	3.3	< 0.00001	0.043	< 0.00005	0.000035	< 0.000002	0.0032	< 0.002
AMQ-ENV15-029	WT - Pit	Waste	V4A-0a	0.66	0.00030	< 0.003	0.000010	0.0015	< 0.00004	2.7	< 0.00001	0.075	< 0.00005	0.000023	< 0.000002	0.0011	< 0.002
AMQ-ENV-32	WT - Pit	Waste	V4A-0a	0.51	0.00080	0.010	< 0.00001	0.019	< 0.001	4.7	0.000020	0.038	< 0.00005	0.000083	0.0000040	0.0057	< 0.001
AMQ-ENV-59	WT - Pit	Waste	V4A-0a	12	0.0019	0.0040	0.000040	0.013	< 0.001	5.6	0.000040	0.025	0.00063	0.0000090	0.000015	0.014	< 0.001
AMQ-ENV15-041	WT - Pit	Waste	V4A-0a	0.66	0.00020	< 0.003	< 0.00001	0.0032	0.00013	3.1	< 0.00001	0.051	< 0.00005	0.000021	< 0.000002	0.0019	< 0.002
AMQ-ENV-16	WT - Pit	Waste	V4A-0a	0.58	0.0010	0.011	0.000020	0.015	< 0.001	5.0	0.000030	0.034	0.00013	0.000061	0.0000020	0.0049	< 0.001
AMQ-ENV15-055	WT - Pit	Waste	V4A-0a	0.46	0.00020	< 0.003	< 0.00001	0.0041	< 0.00004	3.5	< 0.00001	0.057	< 0.00005	0.000035	< 0.000002	0.0028	< 0.002
AMQ-ENV-33	WT - Pit	Waste	V4A-0a	0.65	0.00050	< 0.009	< 0.00001	0.0087	< 0.001	5.1	0.000020	0.040	0.000080	0.000054	< 0.000002	0.0085	< 0.001
AMQ-ENV-72	WT - Pit	Waste	V4A-0a	2.9	0.0011	0.0050	< 0.00001	0.024	< 0.001	5.4	0.000020	0.082	0.00025	< 0.000005	0.000034	0.017	< 0.001
AMQ-ENV-39	WT - Pit	Waste	V4A-0a	0.90	0.0010	< 0.009	0.000060	0.0053	< 0.001	4.3	0.000080	0.055	< 0.00005	0.000049	0.000010	0.0031	< 0.001
AMQ-ENV15-030	WT - Pit	Waste	V4A-0a	1.3	0.00040	< 0.003	0.000010	0.0033	0.000090	2.7	0.00014	0.076	< 0.00005	0.0000070	0.0000030	0.0021	< 0.002
AMQ-ENV-73	WT - Pit	Waste	V4A-0a	7.0	0.0018	0.0080	0.000010	0.025	< 0.001	6.8	0.000040	0.066	0.00019	< 0.000005	0.000013	0.017	< 0.001
AMQ-ENV-121	WT - Pit	Waste	V4A-0a	23	0.0013	0.027	0.00013	0.017	< 0.001	16	0.00010	0.025	0.0040	< 0.000005	0.000021	0.026	< 0.001
AMQ-ENV15-026	WT - Pit	Waste	V4A-0a	0.90	0.0020	< 0.003	< 0.00001	0.011	< 0.00004	3.9	< 0.00001	0.079	< 0.00005	0.000011	< 0.000002	0.0055	< 0.002
AMQ-ENV-43	WT - Pit	Waste	V4A-0a	4.6	0.0095	< 0.009	0.000040	0.026	< 0.001	5.2	0.000030	0.098	0.00015	0.000061	0.0000080	0.0095	< 0.001
AMQ-ENV-44	WT - Pit	Waste	V4A-0a	5.7	0.00040	< 0.009	0.000010	0.0071	< 0.001	5.3	0.000060	0.049	0.00013	0.000053	0.0000020	0.0092	< 0.001
AMQ-ENV15-084	WT - Pit	Waste	V4A-0a	1.8	0.00050	< 0.003	< 0.00001	0.0038	< 0.00004	3.5	< 0.00001	0.15	< 0.00005	0.000012	0.0000040	0.0019	< 0.002
AMQ-ENV15-068	UG	Waste	V4A-0a	3.0	0.00050	< 0.003	< 0.00001	0.026	0.000050	7.0	< 0.00001	0.052	< 0.00005	< 0.000005	< 0.000002	0.012	< 0.002
AMQ-ENV15-121	UG	Waste	V4A-0a	2.5	0.0010	< 0.003	< 0.00001	0.0072	< 0.00004	4.2	< 0.00001	0.15	< 0.00005	0.0000050	< 0.000002	0.0069	< 0.002
AMQ-ENV15-071	UG	Waste	V4A-0a	2.1	0.0019	< 0.003	0.000020	0.0029	0.00013	3.4	< 0.00001	0.098	< 0.00005	0.000018	< 0.000002	0.0033	< 0.002
AMQ-ENV15-051	UG	Waste	V4A-0a	1.9	0.0059	< 0.003	0.000020	0.018	0.00026	4.8	< 0.00001	0.15	< 0.00005	0.000013	< 0.000002	0.0083	< 0.002
Komatiite North (V4A-0a) IVR Ore			**Minimum**	1.1	0.00080	0.0030	0.000030	0.031	0.00011	5.7	0.000010	0.11	0.00013	0.000017	0.0000020	0.011	0.0020
			Maximum	2.1	0.0012	0.0080	0.000050	0.044	0.00017	8.1	0.000020	0.15	0.00039	0.000075	0.000019	0.012	0.0020
			Median	1.6	0.0010	0.0055	0.000040	0.038	0.00014	6.9	0.000015	0.13	0.00026	0.000046	0.000011	0.012	0.0020
			Average	1.6	0.0010	0.0055	0.000040	0.038	0.00014	6.9	0.000015	0.13	0.00026	0.000046	0.000011	0.012	0.0020
			Standard Deviation	0.74	0.00028	0.0035	0.000014	0.0093	0.000042	1.7	0.0000071	0.027	0.00018	0.000041	0.000012	0.00064	0
			75th Percentile	1.9	0.0011	0.0068	0.000045	0.041	0.00016	7.5	0.000018	0.14	0.00033	0.000061	0.000015	0.012	0.0020
Komatiite North (V4A-0a) IVR Waste			**Minimum**	0.56	0.00030	0.0030	0.000010	0.0046	0.000040	1.7	0.000010	0.012	0.000050	0.0000050	0.0000020	0.0028	0.0020
			Maximum	3.4	0.057	0.018	0.00011	0.033	0.0023	6.8	0.000060	0.10	0.0010	0.000059	0.000018	0.037	0.0020
			Median	1.5	0.00090	0.0030	0.000020	0.016	0.00011	4.6	0.000010	0.054	0.00011	0.000022	0.0000020	0.0066	0.0020
			Average	1.6	0.0042	0.0051	0.000034	0.017	0.00025	4.5	0.000023	0.054	0.00022	0.000027	0.0000046	0.0091	0.0020
			Standard Deviation	0.79	0.013	0.0047	0.000030	0.0089	0.00054	1.3	0.000021	0.027	0.00027	0.000018	0.0000052	0.0080	8.9E-19
			75th Percentile	2.1	0.0012	0.0030	0.000040	0.020	0.00013	5.1	0.000040	0.068	0.00022	0.000037	0.0000030	0.010	0.0020
Komatiite North (V4A-0a) WT-Pit Ore			**Minimum**	1.9	0.00080	0.0030	0.000010	0.0086	0.000040	3.2	0.000010	0.047	0.00021	0.0000050	0.0000080	0.0055	0.0020
			Maximum	6.8	0.0067	0.0030	0.000010	0.019	0.0023	9.8	0.000010	0.11	0.00093	0.000025	0.0000090	0.022	0.0020
			Median	4.4	0.0038	0.0030	0.000010	0.014	0.0012	6.5	0.000010	0.080	0.00057	0.000015	0.0000085	0.013	0.0020
			Average	4.4	0.0038	0.0030	0.000010	0.014	0.0012	6.5	0.000010	0.080	0.00057	0.000015	0.0000085	0.013	0.0020
			Standard Deviation	3.5	0.0042	-	-	0.0073	0.0016	4.7	-	0.047	0.00051	0.000014	0.00000071	0.011	-
			75th Percentile	5.6	0.0052	0.0030	0.000010	0.016	0.0018	8.1	0.000010	0.097	0.00075	0.000020	0.0000088	0.017	0.0020
Komatiite North (V4A-0a) WT-Pit Waste			**Minimum**	0.39	0.00010	0.0030	0.000010	0.00020	0.000040	2.7	0.000010	0.025	0.000050	0.0000050	0.0000020	0.000020	0.0010
			Maximum	23	0.21	0.027	0.00021	0.026	0.0010	16	0.00014	0.15	0.0040	0.000083	0.00031	0.026	0.16
			Median	0.90	0.00080	0.0040	0.000010	0.0071	0.0010	4.7	0.000020	0.057	0.000050	0.000023	0.0000030	0.0049	0.0010
			Average	3.7	0.012	0.0067	0.000033	0.010	0.00060	5.1	0.000035	0.062	0.00032	0.000033	0.000023	0.0071	0.0095
			Standard Deviation	5.6	0.048	0.0058	0.000052	0.0084	0.00047	3.0	0.000036	0.029	0.00089	0.000025	0.000069	0.0070	0.035
			75th Percentile	5.0	0.0016	0.0090	0.000030	0.016	0.0010	5.4	0.000040	0.076	0.00014	0.000054	0.000012	0.0093	0.0020
Komatiite North (V4A-0a) UG Waste			**Minimum**	1.9	0.00050	0.0030	0.000010	0.0029	0.000040	3.4	0.000010	0.052	0.000050	0.0000050	0.0000020	0.0033	0.0020
			Maximum	3.0	0.0059	0.0030	0.000020	0.026	0.00026	7.0	0.000010	0.15	0.000050	0.000018	0.0000020	0.012	0.0020
			Median	2.3	0.0015	0.0030	0.000015	0.013	0.000090	4.5	0.000010	0.12	0.000050	0.0000090	0.0000020	0.0076	0.0020
			Average	2.4	0.0023	0.0030	0.000015	0.014	0.00012	4.8	0.000010	0.11	0.000050	0.000010	0.0000020	0.0076	0.0020
			Standard Deviation	0.46	0.0023	-	0.0000055	0.010	0.000095	1.5	-	0.043	-	0.0000056	0.00000089	0.0040	-
			75th Percentile	2.6	0.0029	0.0030	0.000020	0.020	0.00016	5.3	0.000010	0.15	0.000050	0.000014	0.0000020	0.0093	0.0020

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium
				pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		mg/L		as N mg/L		µg/L		mg/L											
AMQ-ENV16-23	IVR	Ore	V4A-0b	9.5	51	127	0.14	3.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.19	0.14	0.0054	0.014	< 0.000007	< 0.000007	4.3	< 0.000003	0.000043	0.00014
AMQ-ENV16-17	IVR	Waste	V4A-0b	9.5	65	172	0.15	6.0	4.0	-	-	-	-	-	< 0.00001	0.0000090	0.18	0.016	0.063	0.013	< 0.000007	< 0.000007	4.5	< 0.000003	0.0000080	0.000090
AMQ-ENV16-36	IVR	Waste	V4A-0b	9.8	42	106	0.10	2.0	2.0	-	-	-	-	-	< 0.00001	< 0.000002	0.033	0.0063	0.025	0.011	< 0.000007	< 0.000007	3.2	< 0.000003	0.000040	0.00097
AMQ-ENV16-31	IVR	Waste	V4A-0b	9.7	45	107	0.060	3.0	1.0	-	-	-	-	-	< 0.00001	< 0.000002	0.017	0.17	0.020	0.011	< 0.000007	< 0.000007	4.0	< 0.000003	0.000011	0.00029
AMQ-ENV17-44	IVR	Waste	V4A-0b	9.4	59	142	< 0.06	4.0	2.0	< 3	< 0.3	< 0.6	0.60	0.25	< 0.00001	< 0.00005	0.022	1.6	0.051	0.014	< 0.000007	< 0.000007	10	< 0.000003	0.000061	0.00078
AMQ-ENV16-16	IVR	Waste	V4A-0b	9.8	40	116	0.13	4.0	4.0	-	-	-	-	-	< 0.00001	0.0000030	0.026	2.8	0.026	0.0090	< 0.000007	< 0.000007	6.0	< 0.000003	0.000027	0.0030
AMQ-ENV16-28	IVR	Waste	V4A-0b	9.5	71	169	0.13	4.0	3.0	-	-	-	-	-	< 0.00001	0.0000020	0.064	0.83	0.048	0.012	< 0.000007	< 0.000007	8.4	< 0.000003	0.000050	0.00048
AMQ-ENV17-47	IVR	Waste	V4A-0b	9.6	66	154	0.070	4.0	< 2	< 3	< 0.3	< 0.6	< 0.2	0.040	< 0.00001	< 0.00005	0.010	0.21	0.10	0.016	< 0.000007	< 0.000007	6.6	< 0.000003	0.000036	0.00017
AMQ-ENV17-37	IVR	Waste	V4A-0b	9.3	78	200	0.090	7.0	3.0	< 3	< 0.3	< 0.6	1.4	0.93	< 0.00001	< 0.00005	0.012	3.6	0.12	0.016	< 0.000007	< 0.000007	10	< 0.000003	0.00014	0.0018
AMQ-ENV16-35	IVR	Waste	V4A-0b	9.7	62	139	0.11	2.0	1.0	-	-	-	-	-	< 0.00001	< 0.000002	0.023	0.20	0.047	0.013	< 0.000007	< 0.000007	4.5	< 0.000003	0.000016	0.00041
AMQ-ENV16-37	IVR	Waste	V4A-0b	9.6	40	88	< 0.06	2.0	1.0	-	-	-	-	-	< 0.00001	0.0000020	0.033	0.050	0.027	0.025	< 0.000007	< 0.000007	4.7	< 0.000003	0.000010	0.00021
AMQ-ENV15-020	WT - Pit	Ore	V4A-0b	9.3	40	163	0.12	9.0	17	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000012	0.050	0.24	0.091	0.013	< 0.000007	0.000011	8.1	< 0.000003	0.000036	0.00012
AMQ-ENV15-137	WT - Pit	Ore	V4A-0b	9.3	70	177	0.22	5.0	4.0	< 3	< 0.3	< 0.6	0.60	0.11	< 0.00001	< 0.000002	0.0040	0.88	0.039	0.20	0.00011	0.0042	7.8	0.00074	0.00074	0.0015
AMQ-ENV-02	WT - Pit	Ore	V4A-0b	9.5	35	97	0.080	< 2	6.7	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	0.010	0.27	0.025	0.013	< 0.000007	< 0.000007	5.7	< 0.000003	0.000067	0.00019
AMQ-ENV15-007	WT - Pit	Ore	V4A-0b	9.1	51	210	0.14	20	11	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000018	0.039	0.14	0.024	0.019	< 0.000007	< 0.000007	7.4	< 0.000003	0.000079	0.00010
AMQ-ENV-52	WT - Pit	Ore	V4A-0b	8.5	49	285	0.11	< 2	75	< 3	< 0.3	< 0.6	0.30	0.24	< 0.00001	0.000037	0.049	1.4	0.035	0.026	< 0.000007	< 0.000007	20	< 0.000003	0.00081	0.00035
AMQ-ENV15-033	WT - Pit	Ore	V4A-0b	9.5	71	162	0.090	2.0	1.0	< 3	< 0.3	< 0.6	0.20	0.050	< 0.00001	0.0000020	0.038	0.36	0.083	0.0086	< 0.000007	< 0.000007	5.7	< 0.000003	0.000061	0.00027
AMQ-ENV15-095	WT - Pit	Ore	V4A-0b	9.0	45	139	0.17	10	6.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000040	0.51	0.056	0.0071	0.020	< 0.000007	< 0.000007	8.7	< 0.000003	0.000066	0.000040
AMQ-ENV-119	WT - Pit	Waste	V4A-0b	10	66	155	0.31	< 2	3.3	< 3	< 0.3	< 0.6	-	0.040	< 0.00001	< 0.000002	0.060	0.093	0.0075	0.059	< 0.000007	< 0.000007	2.2	< 0.000003	0.000077	0.0035
AMQ-ENV-01	WT - Pit	Waste	V4A-0b	9.3	41	205	0.090	< 2	50	< 3	< 0.3	< 0.6	-	0.14	< 0.00001	< 0.000002	0.020	0.85	0.091	0.016	< 0.000007	< 0.000007	12	< 0.000003	0.00013	0.00035
AMQ-ENV15-047	WT - Pit	Waste	V4A-0b	9.8	45	107	0.11	< 1	< 1	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	< 0.000002	0.042	0.033	0.029	0.011	< 0.000007	< 0.000007	2.9	< 0.000003	0.000064	0.0013
AMQ-ENV15-136	WT - Pit	Waste	V4A-0b	9.7	70	174	0.28	3.0	3.0	< 3	< 0.3	< 0.6	0.70	0.040	< 0.00001	< 0.000002	0.12	0.18	0.013	0.20	0.000096	0.0025	2.7	0.00081	0.0011	0.0034
AMQ-ENV15-109	WT - Pit	Waste	V4A-0b	9.4	72	151	0.070	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.050	< 0.00001	< 0.000002	0.026	0.60	0.063	0.0077	< 0.000007	< 0.000007	5.6	< 0.000003	0.000072	0.00022
AMQ-ENV-10	WT - Pit	Waste	V4A-0b	9.5	63	151	0.15	3.4	3.3	< 3	< 0.3	< 0.6	-	0.040	< 0.00001	< 0.000002	0.010	0.31	0.065	0.023	< 0.000007	< 0.000007	7.7	< 0.000003	0.00027	0.00022
AMQ-ENV-62	WT - Pit	Waste	V4A-0b	9.6	62	138	0.19	3.0	3.0	< 3	< 0.3	< 0.6	0.60	0.060	< 0.00001	0.0000020	0.13	0.38	0.029	0.021	< 0.000007	< 0.000007	2.8	< 0.000003	0.000048	0.00066
AMQ-ENV17-20	WT - Pit	Waste	V4A-0b	9.8	39	101	0.18	2.0	< 2	< 3	< 0.3	< 0.6	1.2	0.10	< 0.00001	< 0.00005	0.086	0.58	0.021	0.030	< 0.000007	< 0.000007	3.1	< 0.000003	0.00016	0.0044
AMQ-ENV15-076	WT - Pit	Waste	V4A-0b	8.4	70	331	0.10	49	44	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.00011	0.044	0.28	0.091	0.023	< 0.000007	0.000010	21	< 0.000003	0.00078	0.00020
AMQ-ENV-68	WT - Pit	Waste	V4A-0b	9.4	66	154	0.24	2.1	2.7	< 3	< 0.3	< 0.6	2.2	0.60	< 0.00001	0.0000060	0.018	1.8	0.010	0.081	< 0.000007	< 0.000007	4.4	< 0.000003	0.00010	0.0029
AMQ-ENV17-51	UG	Waste	V4A-0b	10	47	114	0.15	2.0	< 2	< 3	< 0.3	< 0.6	1.5	0.10	0.000020	< 0.00005	0.26	0.024	0.044	0.026	< 0.000007	< 0.000007	3.8	0.0000080	0.00027	0.0086
AMQ-ENV17-59	UG	Waste	V4A-0b	10.0	44	116	0.15	4.0	< 2	< 3	< 0.3	< 0.6	1.0	0.37	< 0.00001	< 0.00005	0.080	1.0	0.017	0.041	< 0.000007	< 0.000007	3.1	< 0.000003	0.000017	0.0012
AMQ-ENV17-63	UG	Waste	V4A-0b	10	51	122	0.10	1.0	< 2	< 3	< 0.3	< 0.6	0.70	0.050	< 0.00001	< 0.00005	0.078	0.0011	0.026	0.13	< 0.000007	< 0.000007	2.2	0.0000050	0.00013	0.0041
Komatiite South (V4A-0b) IVR Waste			**Minimum**	9.3	40	88	0.060	2.0	1.0	-	-	-	-	-	0.000010	0.0000020	0.010	0.0063	0.020	0.0090	0.0000070	0.0000070	3.2	0.0000030	0.0000080	0.000090
			Maximum	9.8	78	200	0.15	7.0	4.0	3.0	0.30	0.60	1.4	0.93	0.000010	0.000050	0.18	3.6	0.12	0.025	0.0000070	0.0000070	10	0.0000030	0.00014	0.0030
			Median	9.6	61	141	0.095	4.0	2.0	3.0	0.30	0.60	0.60	0.25	0.000010	0.0000025	0.025	0.21	0.047	0.013	0.0000070	0.0000070	5.4	0.0000030	0.000032	0.00045
			Average	9.5	57	139	0.096	3.8	2.3	3.0	0.30	0.60	0.73	0.41	0.000010	0.0000017	0.042	0.95	0.052	0.014	0.0000070	0.0000070	6.3	0.0000030	0.000040	0.00082
			Standard Deviation	0.17	14	35	0.033	1.7	1.2	-	-	-	0.61	0.47	-	0.000023	0.050	1.3	0.033	0.0044	8.9E-22	8.9E-22	2.6	4.5E-22	0.000040	0.00092
			75th Percentile	9.7	66	165	0.13	4.0	3.0	3.0	0.30	0.60	1.0	0.59	0.000010	0.000040	0.033	1.4	0.060	0.016	0.0000070	0.0000070	8.0	0.0000030	0.000048	0.00092
Komatiite South (V4A-0b) WT-Pit Ore			**Minimum**	8.5	35	97	0.080	2.0	1.0	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000020	0.0040	0.056	0.0071	0.0086	0.0000070	0.0000070	5.7	0.0000030	0.000036	0.000040
			Maximum	9.5	71	285	0.22	20	75	3.0	0.30	0.60	0.60	0.24	0.000010	0.000037	0.51	1.4	0.091	0.20	0.00011	0.0042	20	0.00074	0.00081	0.0015
			Median	9.3	49	163	0.12	5.0	6.7	3.0	0.30	0.60	0.20	0.030	0.000010	0.0000040	0.039	0.27	0.035	0.019	0.0000070	0.0000070	7.8	0.0000030	0.000067	0.00019
			Average	9.0	52	176	0.13	7.1	17	3.0	0.30	0.60	0.28	0.074	0.000010	0.0000011	0.099	0.48	0.043	0.043	0.000022	0.00060	9.1	0.00011	0.00027	0.00037
			Standard Deviation	0.34	14	59	0.049	6.6	26	-	-	-	0.16	0.079	-	0.000013	0.18	0.49	0.031	0.071	0.000039	0.0016	5.0	0.00028	0.00035	0.00052
			75th Percentile	9.4	61	194	0.16	9.5	14	3.0	0.30	0.60	0.28	0.080	0.000010	0.000015	0.049	0.62	0.061	0.023	0.0000070	0.0000090	8.4	0.0000030	0.00041	0.00031
Komatiite South (V4A-0b) WT-Pit Waste			**Minimum**	8.4	39	101	0.070	1.0	1.0	3.0	0.30	0.60	-	0.030	0.000010	0.0000020	0.010	0.033	0.0075	0.0077	0.0000070	0.0000070	2.2	0.0000030	0.000048	0.00020
			Maximum	10	72	331	0.31	49	50	3.0	0.30	0.60	2.2	0.60	0.000010	0.00011	0.13	1.8	0.091	0.20	0.000096	0.0025	21	0.00081	0.0011	0.0044
			Median	9.5	65	153	0.17	2.1	3.0	3.0	0.30	0.60	0.60	0.045	0.000010	0.0000020	0.043	0.34	0.029	0.023	0.0000070	0.0000070	3.8	0.0000030	0.000012	0.0010
			Average	9.2	59	167	0.17	7.0	11	3.0	0.30	0.60	0.79	0.11	0.000010	0.000018	0.055	0.51	0.042	0.047	0.000016	0.00025	6.5	0.000084	0.00028	0.0017
			Standard Deviation	0.46	13	65	0.083	15	19	-	5.9E-17	1.2E-16	0.71	0.17	-	0.000036	0.043	0.51	0.033	0.059	0.000028	0.00077	6.0	0.00026	0.00036	0.0017
			75th Percentile	9.8	69	169	0.23	3.0	3.3	3.0	0.30	0.60	0.95	0.090	0.000010	0.0000050	0.080	0.60	0.065	0.052	0.0000070	0.0000070	7.2	0.0000030	0.00025	0.0033
Komatiite South (V4A-0b) UG Waste			**Minimum**	10.0	44	114	0.10	1.0	2.0	3.0	0.30	0.60	0.70	0.050	0.000010	0.000050	0.078	0.0011	0.017	0.026	0.0000070	0.0000070	2.2	0.0000030	0.000017	0.0012
			Maximum	10	51	122	0.15	4.0	2.0	3.0	0.30	0.60	1.5	0.37	0.000020	0.000050	0.26	1.0	0.044	0.13	0.0000070	0.0000070	3.8	0.0000080	0.00027	0.0086
			Median	10	47	116	0.15	2.0	2.0	3.0	0.30	0.60	1.0	0.10	0.000010	0.000050	0.080	0.024	0.026	0.041	0.0000070	0.0000070	3.1	0.0000050	0.00013	0.0041
			Average	10	47	117	0.13	2.3	2.0	3.0	0.30	0.60	1.1	0.17	0.000013	0.000050	0.14	0.35	0.029	0.065	0.0000070	0.0000070	3.0	0.0000053	0.00014	0.0046
			Standard Deviation	0.15	3.5	4.2	0.029	1.5	-	-	-	-	0.40	0.17	0.0000058	-	0.10	0.58	0.013	0.055	-	-	0.77	0.0000025	0.00013	0.0038
			75th Percentile	10	49	119	0.15	3.0	2.0	3.0	0.30	0.60	1.3	0.24	0.000015	0.000050	0.17	0.52	0.035	0.085	0.0000070	0.0000070	3.4	0.0000065	0.00020	0.0064
AMQ-ENV-54	WT - Pit	Ore	S10_03/V4A-0b	6.4	17	689	0.18	61	200	< 3	< 0.3	< 0.6	0.40	< 0.03	< 0.00001	0.0000020	0.0045	0.027	0.047	0.11	< 0.000007	< 0.000007	16	0.000064	0.015	0.00045
AMQ-ENV16-20	IVR	Waste	S3N/S10_contact	9.2	33	120	0.24	5.0	6.0	-	-	-	-	-	< 0.00001	0.0000040	0.75	0.061	0.0022	0.014	< 0.000007	< 0.000007	7.6	0.0000040	0.000014	0.000050
AMQ-ENV16-42	WT - Pit	Waste	S10_Contact	9.6	43	100	0.27	3.0	2.0	-	-	-	-	-	< 0.00001	0.0000020	1.5	0.12	0.0014	0.018	< 0.000007	< 0.000007	3.7	0.0000040	0.00019	0.000060
AMQ-ENV15-113	UG	Waste	S10_01/S3C	9.8	42	113	0.16	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	0.080	< 0.00001	0.0000030	1.5	0.20	0.0077	0.028	0.000012	< 0.000007	2.5	0.0000030	0.00013	0.00031
AMQ-ENV15-058	WT - Pit	Waste	S10_01/S3C	8.2	58	246	0.19	26	30	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.0000024	0.052	0.012	0.016	0.028	< 0.000007	0.000018	20	0.0000030	0.000062	0.000060
AMQ-ENV17-56	UG	Waste	V4A-0b/S10_03	9.3	35	120	0.12	15	< 2	< 3	< 0.3	< 0.6	< 0.2	< 0.03	0.000030	< 0.00005	0.53	0.10	0.0024	0.036	< 0.000007	0.0000070	7.6	0.0000080	0.000025	0.000030
AMQ-ENV15-133	WT - Pit	Waste	S10_03/S3C	8.3	75	295	0.23	42	22	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	0.000013	0.012	0.056	0.021	0.94	0.00071	0.091	17	0.0032	0.0033	0.0039
AMQ-ENV15-144	UG	Ore	S9E/S10_01	8.9	66	238	0.25	40	< 1	< 3	< 0.3	< 0.6	0.40	0.10	< 0.00001	0.0012	0.16	0.90	0.0086	0.11	0.000024	0.00030	8.1	0.00016	0.00020	0.00081
AMQ-ENV15-134	WT - Pit	Ore	S3C/S10_01	8.5	70	304	0.24	53	17	< 3	< 0.3	< 0.6	0.30	< 0.03	< 0.00001	0.000010	0.035	0.019	0.013	0.39	0.00019	0.023	11	0.0012	0.0012	0.0017
AMQ-ENV15-035	WT - Pit	Waste	S9E/S10_03/V4A-0b	9.6	24	78	< 0.06	8.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000059	0.24	0.36	0.0020	0.0071	< 0.000007	0.000019	7.5	< 0.000003	0.000054	0.00031
AMQ-ENV15-062	UG	Waste	V4A-0a/S9E	9.2	60	127	0.080	3.0	1.0	< 3	< 0.3	< 0.6	0.40	0.16	< 0.00001	0.0000030	0.025	1.2	0.015	0.041	< 0.000007	< 0.000007	10	< 0.000003	0.000090	0.00040
AMQ-ENV15-072	UG	Waste	S10_03/V4A-0b/V3-1b	10	54	129	0.24	2.0	< 1	< 3	< 0.3	< 0.6	2.0	0.41	< 0.00001	< 0.000002	0.040	1.4	0.015	0.049	< 0.000007	< 0.000007	3.4	< 0.000003	0.00011	0.0026
AMQ-ENV16-58	IVR	Waste	V4A-0a/V3-1a	9.7	34	98	0.12	6.0	2.0	-	-	-	-	-	< 0.00001	0.0000020	0.49	0.020	0.0023	0.025	< 0.000007	< 0.000007	4.3	< 0.000003	0.000028	0.00031
AMQ-ENV16-19	IVR	Waste	S3N/S10_contact	9.7	33	74	0.15	3.0	1.0	-	-	-	-	-	< 0.00001	< 0.000002	0.93	0.015	0.0080	0.028	< 0.000007	< 0.000007	4.3	< 0.000003	0.000010	0.000080
AMQ-ENV16-22	IVR	Waste	V3-1b/V4A-0a	9.0	38	152	0.090	23	4.0	-	-	-	-	-	< 0.00001	0.0000090	0.42	0.031	0.0084	0.016	< 0.000007	< 0.000007	11	< 0.000003	0.000015	< 0.00003
AMQ-ENV16-Field Cell-UM	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	9.6	46	137	0.090	8.0	2.0	< 3	< 0.3	< 0.6	0.60	0.32	< 0.00001	< 0.000002	0.033	0.93	0.025	0.032	< 0.000007	< 0.000007	3.7	< 0.000003	0.000083	0.00064
AMQ-ENV16-Field Cell-UM Duplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	9.7	48	147	0.090	10	2.0	< 3	< 0.3	< 0.6	0.70	0.39	< 0.00001	< 0.000002	0.031	1.1	0.023	0.031	< 0.000007	< 0.000007	3.7	< 0.000003	0.000037	0.00074
AMQ-ENV16-Field Cell-UM Triplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	9.6	45	138	0.090	8.0	2.0	< 3	< 0.3	< 0.6	0.70	0.44	< 0.00001	< 0.000002	0.032	1.2	0.022	0.030	< 0.000007	< 0.000007	3.8	< 0.000003	0.000040	0.00077
AMQ-ENV16-Field Cell-IF	WT - Pit	Waste	S9E/V4A-0a	9.1	52	193	0.13	23	6.0	< 3	< 0.3	< 0.6	0.60	1.5	< 0.00001	0.000012	0.032	4.2	0.018	0.031	< 0.000007	0.000054	8.9	< 0.000003	0.000079	0.00086
AMQ-ENV16-Field Cell-IF Duplicate	WT - Pit	Waste	S9E/V4A-0a	9.2	49	174	0.13	20	4.0	< 3	< 0.3	< 0.6	0.60	1.4	< 0.00001	0.0000080	0.035	4.1	0.019	0.031	< 0.000007	0.000020	8.5	< 0.000003	0.000055	0.00098
AMQ-ENV16-Field Cell-IF Triplicate	WT - Pit	Waste	S9E/V4A-0a	9.1	51	191	0.13	23	5.0	< 3	< 0.3	< 0.6	0.60	1.2	< 0.00001	0.000011	0.043	3.6	0.019	0.037	< 0.000007	0.000014	8.6	< 0.000003	0.000071	0.0011
C1	WT - Pit	Waste	S9E/V4A-0a	9.2	45	157	0.060	9.0	16	< 0.3	< 0.03	< 0.06	0.60	1.3	< 0.00001	0.00010	0.025	3.1	0.034	0.023	0.000019	0.000023	8.6	0.000087	0.00013	0.00068
C2	WT - Pit	Waste	S9E/V4A-0a	9.3	45	130	0.080	8.0	6.0	< 0.3	< 0.03	< 0.06	0.40	0.70	< 0.00001	0.000010	0.043	2.0	0.0083	0.019	0.000021	0.000026	6.6	0.000027	0.000040	0.00039
C3	WT - Pit	Waste	S3C/S10	8.9	34	122	0.17	7.0	17	< 0.3	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	0.000010	0.57	0.026	0.0027	0.014	0.000022	0.000025	11	0.000010	0.000011	0.000080
C4	WT - Pit	Waste	S3C/S3S	9.3	18	267	0.16	5.0	94	< 0.3	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	0.000014	0.12	0.11	0.025	0.016	0.000015	0.000014	24	0.000033	0.000024	0.00011
C5	WT - Pit	Waste	V4A-0b/V3-1b	9.4	45	136	0.20	4.0	12	< 0.3	< 0.03	< 0.06	0.30	0.16	< 0.00001	0.0000070	0.053	0.43	0.085	0.015	0.000014	0.000016	6.0	0.000012	0.000010	0.00021
C6	WT - Pit	Waste	S10/S3C/V4A-0b	8.4	53	219	0.27	< 1	50	< 0.3	< 0.03	< 0.06	< 0.2	< 0.03	< 0.00001	< 0.000002	0.10	0.045	0.0057	0.019	0.000014	< 0.000007	23	0.0000030	0.000065	0.000040
C8	WT - Pit	Waste	S9E/V4A-0a/V4A-0b	9.4	47	126	0.090	5.0	4.0	< 3	< 0.3	< 0.6	0.40	0.13	< 0.00001	0.0000050	0.033	0.91	0.020	0.016	< 0.000007	0.000011	5.0	< 0.000003	< 0.000004	0.00030
C9	WT - Pit	Waste	S3N	8.0	55	296	0.40	13	75	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.00005	0.063	0.0061	0.0057	0.020	< 0.000007	< 0.000007	26	0.000028	0.00011	< 0.00003

Notes:

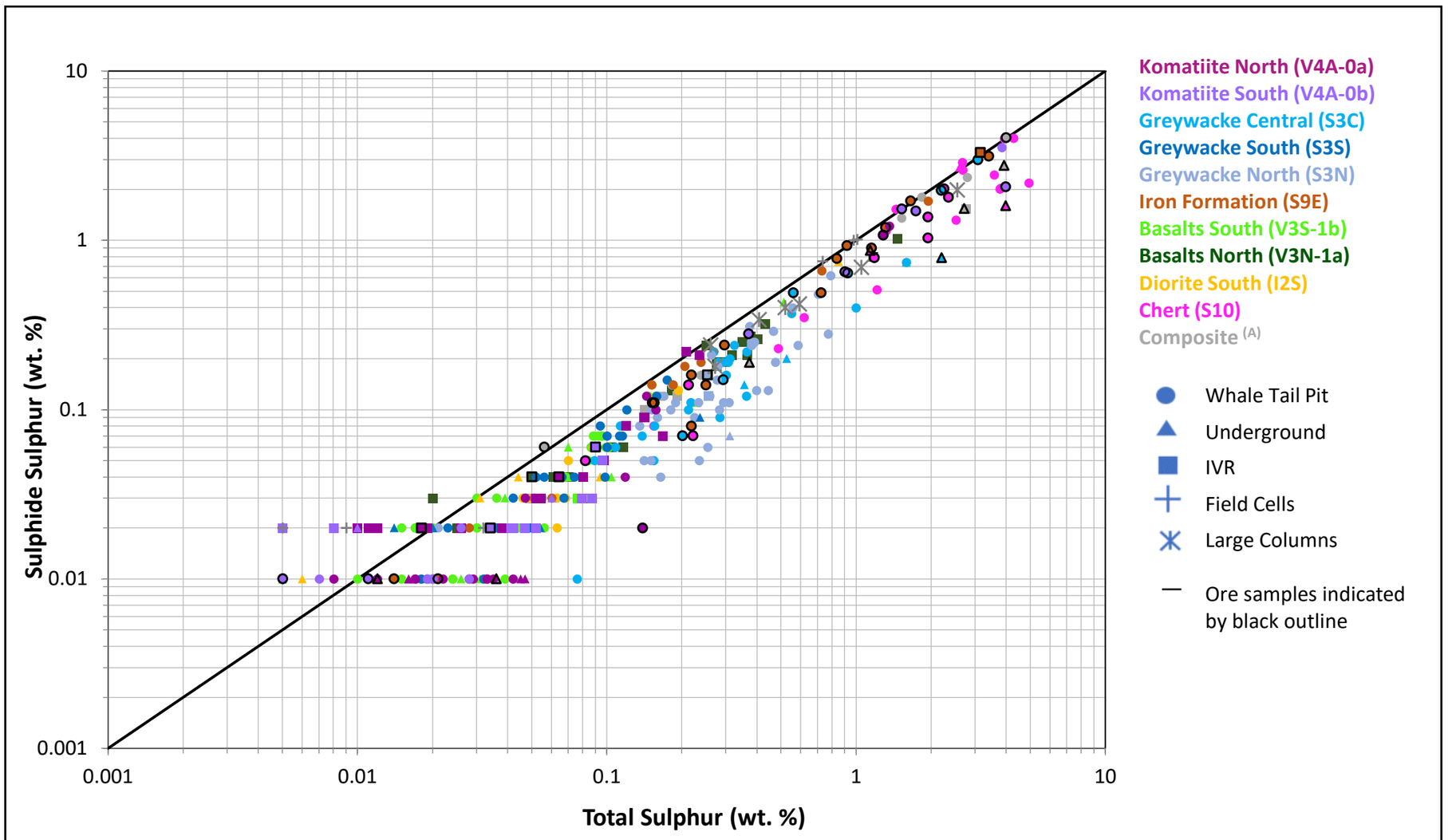
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by rock type (with rock model code presented in brackets) and deposit location.

(2) Deposit location is WT-Pit (Whale Tail Pit), UG (Whale Tail Underground) or IVR (IVR Pit).
(-) = no data reported, no calculation required

Appendix F-7
Shake-Flask Extraction Analysis Test Results
Waste Rock and Ore
Whale Tail Pit, Underground, and IVR Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location[2]	Material	Rock Type (MODEL)	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
				mg/L													
AMQ-ENV16-23	IVR	Ore	V4A-0b	1.3	0.0030	0.0040	0.000020	0.0086	0.00017	3.2	< 0.00001	0.019	0.00020	0.0000070	< 0.000002	0.0076	< 0.002
AMQ-ENV16-17	IVR	Waste	V4A-0b	4.5	0.00010	0.0060	0.000080	0.0037	0.00037	3.9	< 0.00001	0.037	0.00010	0.000016	< 0.000002	0.0054	< 0.002
AMQ-ENV16-36	IVR	Waste	V4A-0b	1.4	0.00090	0.0070	0.000030	0.0057	0.00010	6.4	0.000010	0.036	0.0012	0.000014	< 0.000002	0.0060	< 0.002
AMQ-ENV16-31	IVR	Waste	V4A-0b	1.1	0.00030	< 0.003	< 0.00001	0.013	0.00010	4.9	< 0.00001	0.042	0.000060	0.000028	< 0.000002	0.0063	< 0.002
AMQ-ENV17-44	IVR	Waste	V4A-0b	1.3	0.0013	< 0.003	0.000020	0.017	0.000090	5.2	0.000080	0.064	0.00018	0.000036	0.000018	0.0053	< 0.002
AMQ-ENV16-16	IVR	Waste	V4A-0b	1.9	0.00080	0.0040	0.000010	0.026	0.00018	14	< 0.00001	0.098	0.00018	0.000012	0.0000020	0.019	< 0.002
AMQ-ENV16-28	IVR	Waste	V4A-0b	4.2	0.0012	0.0050	0.000040	0.015	0.00013	5.3	< 0.00001	0.048	0.00015	0.000022	0.000014	0.0079	< 0.002
AMQ-ENV17-47	IVR	Waste	V4A-0b	1.2	0.00030	< 0.003	0.000070	0.0031	< 0.00004	4.4	0.000050	0.15	< 0.00005	0.000043	0.0000030	0.0018	< 0.002
AMQ-ENV17-37	IVR	Waste	V4A-0b	1.4	0.0035	0.0080	0.000020	0.018	0.00019	5.0	0.000070	0.17	0.00013	0.000066	0.000026	0.0059	< 0.002
AMQ-ENV16-35	IVR	Waste	V4A-0b	2.0	0.00060	0.0060	0.000060	0.0086	0.00012	5.7	< 0.00001	0.047	0.00030	0.000015	< 0.000002	0.0067	< 0.002
AMQ-ENV16-37	IVR	Waste	V4A-0b	1.9	0.00040	< 0.003	0.000020	0.012	0.000090	4.0	< 0.00001	0.074	0.000080	0.000022	< 0.000002	0.0040	< 0.002
AMQ-ENV15-020	WT - Pit	Ore	V4A-0b	2.0	0.00070	0.0090	0.000020	0.0065	0.00092	5.4	0.00033	0.066	0.00024	< 0.000005	0.0000090	0.0050	< 0.002
AMQ-ENV15-137	WT - Pit	Ore	V4A-0b	13	0.0019	0.0060	0.0012	0.0084	0.0042	6.0	0.000040	0.046	0.00037	0.0013	0.0012	0.011	< 0.002
AMQ-ENV-02	WT - Pit	Ore	V4A-0b	0.85	0.00070	< 0.009	< 0.00001	0.0026	< 0.001	4.8	0.000030	0.14	0.000070	0.000067	0.0000080	0.0051	< 0.001
AMQ-ENV15-007	WT - Pit	Ore	V4A-0b	10	0.00060	0.0030	0.000020	0.0032	0.00037	3.5	0.00018	0.10	0.00079	< 0.000005	0.000076	0.0015	< 0.002
AMQ-ENV-52	WT - Pit	Ore	V4A-0b	0.89	0.011	0.0070	0.000040	0.0092	< 0.001	3.8	0.000030	0.16	0.00016	0.000027	0.00015	0.0023	< 0.001
AMQ-ENV15-033	WT - Pit	Ore	V4A-0b	3.4	0.00030	< 0.003	< 0.00001	0.0038	0.00012	5.8	< 0.00001	0.089	< 0.00005	0.000015	0.0000090	0.0050	< 0.002
AMQ-ENV15-095	WT - Pit	Ore	V4A-0b	11	0.00020	0.0050	0.000040	0.0024	0.00014	2.7	< 0.00001	0.020	0.0017	< 0.000005	0.00056	0.0025	< 0.002
AMQ-ENV-119	WT - Pit	Waste	V4A-0b	13	0.00060	0.021	0.000030	0.0041	< 0.001	10	0.000060	0.018	0.0059	< 0.000005	0.000014	0.025	< 0.001
AMQ-ENV-01	WT - Pit	Waste	V4A-0b	1.6	0.0016	< 0.009	< 0.00001	0.0033	< 0.001	4.5	0.000040	0.11	< 0.00005	0.000042	0.000064	0.0061	< 0.001
AMQ-ENV15-047	WT - Pit	Waste	V4A-0b	0.97	0.00070	0.0070	0.000080	0.0059	0.00022	8.5	< 0.00001	0.027	0.0023	0.0000060	0.000010	0.013	< 0.002
AMQ-ENV15-136	WT - Pit	Waste	V4A-0b	13	0.0024	0.030	0.0011	0.0048	0.0047	11	0.000040	0.013	0.0072	0.0016	0.0013	0.032	< 0.002
AMQ-ENV15-109	WT - Pit	Waste	V4A-0b	1.8	0.00070	< 0.003	< 0.00001	0.0033	< 0.00004	4.7	< 0.00001	0.091	< 0.00005	0.000020	0.0000040	0.0040	< 0.002
AMQ-ENV-10	WT - Pit	Waste	V4A-0b	1.6	0.0055	< 0.009	0.000070	0.0055	< 0.001	5.1	0.000020	0.067	0.000090	0.000027	0.000028	0.0080	< 0.001
AMQ-ENV-62	WT - Pit	Waste	V4A-0b	3.6	0.00070	0.012	< 0.00001	0.0037	< 0.001	4.6	0.000030	0.060	0.00035	0.0000080	0.0000080	0.017	< 0.001
AMQ-ENV17-20	WT - Pit	Waste	V4A-0b	2.1	0.0016	0.015	0.000050	0.0053	0.00014	8.3	0.000070	0.068	0.0053	0.000014	0.000040	0.023	< 0.002
AMQ-ENV15-076	WT - Pit	Waste	V4A-0b	2.1	0.020	< 0.003	0.000010	0.0071	0.00052	3.5	< 0.00001	0.23	0.00076	0.000034	0.00011	0.00061	< 0.002
AMQ-ENV-68	WT - Pit	Waste	V4A-0b	12	0.00090	0.013	0.000090	0.019	< 0.001	7.1	0.000040	0.064	0.0010	0.00067	0.000055	0.015	< 0.001
AMQ-ENV17-51	UG	Waste	V4A-0b	5.7	0.0020	0.031	0.000090	0.0029	0.00021	15	0.00010	0.054	0.018	0.0000070	0.000018	0.032	< 0.002
AMQ-ENV17-59	UG	Waste	V4A-0b	3.8	0.0015	0.010	0.000070	0.0077	0.000070	9.5	< 0.00001	0.048	0.00056	0.000012	0.000011	0.019	< 0.002
AMQ-ENV17-63	UG	Waste	V4A-0b	4.0	0.0025	0.0060	0.000070	0.0042	< 0.00004	11	< 0.00001	0.061	0.0034	0.000025	0.0000060	0.015	< 0.002
Komatiite South (V4A-0b) IVR Waste			**Minimum**	1.1	0.00010	0.0030	0.000010	0.0031	0.000040	3.9	0.000010	0.036	0.000050	0.000012	0.0000020	0.0018	0.0020
			Maximum	4.5	0.0035	0.0080	0.000080	0.026	0.00037	14	0.000080	0.17	0.0012	0.000066	0.000026	0.019	0.0020
			Median	1.6	0.00070	0.0045	0.000025	0.012	0.00011	5.1	0.000010	0.056	0.00014	0.000022	0.0000020	0.0059	0.0020
			Average	2.1	0.00094	0.0048	0.000036	0.012	0.00014	5.9	0.000027	0.077	0.00024	0.000027	0.0000073	0.0068	0.0020
			Standard Deviation	1.2	0.00098	0.0019	0.000025	0.0070	0.000092	3.1	0.000028	0.048	0.00034	0.000017	0.0000088	0.0045	4.6E-19
			75th Percentile	2.0	0.0011	0.0060	0.000055	0.016	0.00017	5.6	0.000040	0.092	0.00018	0.000034	0.000011	0.0066	0.0020
Komatiite South (V4A-0b) WT-Pit Ore			**Minimum**	0.85	0.00020	0.0030	0.000010	0.0024	0.00012	2.7	0.000010	0.020	0.000050	0.0000050	0.0000080	0.0015	0.0010
			Maximum	13	0.011	0.0090	0.0012	0.0092	0.0042	6.0	0.00033	0.16	0.0017	0.0013	0.0012	0.011	0.0020
			Median	3.4	0.00070	0.0060	0.000020	0.0038	0.00092	4.8	0.000030	0.089	0.00024	0.000015	0.000076	0.0050	0.0020
			Average	5.9	0.0022	0.0060	0.00019	0.0052	0.0011	4.6	0.000090	0.088	0.00048	0.00021	0.00029	0.0046	0.0017
			Standard Deviation	5.2	0.0039	0.0025	0.00044	0.0028	0.0014	1.3	0.00012	0.049	0.00059	0.00049	0.00046	0.0031	0.00049
			75th Percentile	10	0.0013	0.0080	0.000040	0.0075	0.0010	5.6	0.00011	0.12	0.00058	0.000047	0.00035	0.0051	0.0020
Komatiite South (V4A-0b) WT-Pit Waste			**Minimum**	0.97	0.00060	0.0030	0.000010	0.0033	0.000040	3.5	0.000010	0.013	0.000050	0.0000050	0.0000040	0.00061	0.0010
			Maximum	13	0.020	0.030	0.0011	0.019	0.0047	11	0.000070	0.23	0.0072	0.0016	0.0013	0.032	0.0020
			Median	2.1	0.0013	0.011	0.000040	0.0051	0.0010	6.1	0.000035	0.066	0.00089	0.000024	0.000034	0.014	0.0015
			Average	5.2	0.0034	0.012	0.00014	0.0062	0.0011	6.7	0.000033	0.075	0.0023	0.00025	0.00016	0.014	0.0015
			Standard Deviation	5.3	0.0059	0.0083	0.00032	0.0046	0.0014	2.6	0.000021	0.064	0.0028	0.00053	0.00040	0.010	0.00053
			75th Percentile	10	0.0022	0.015	0.000078	0.0058	0.0010	8.4	0.000040	0.085	0.0046	0.000040	0.000062	0.021	0.0020
Komatiite South (V4A-0b) UG Waste			**Minimum**	3.8	0.0015	0.0060	0.000070	0.0029	0.000040	9.5	0.000010	0.048	0.00056	0.0000070	0.0000060	0.015	0.0020
			Maximum	5.7	0.0025	0.031	0.000090	0.0077	0.00021	15	0.00010	0.061	0.018	0.000025	0.000018	0.032	0.0020
			Median	4.0	0.0020	0.010	0.000070	0.0042	0.000070	11	0.000010	0.054	0.0034	0.000012	0.000011	0.019	0.0020
			Average	4.5	0.0020	0.016	0.000077	0.0049	0.00011	12	0.000040	0.055	0.0073	0.000015	0.000012	0.022	0.0020
			Standard Deviation	1.1	0.00050	0.013	0.000012	0.0025	0.000091	2.8	0.000052	0.0065	0.0092	0.0000093	0.0000060	0.0092	-
			75th Percentile	4.9	0.0023	0.021	0.000080	0.0060	0.00014	13	0.000055	0.058	0.011	0.000019	0.000015	0.025	0.0020
AMQ-ENV-54	WT - Pit	Ore	S10_03/V4A-0b	45	0.038	< 0.003	< 0.00001	0.0024	0.0020	4.4	0.000070	0.060	0.00011	0.000089	0.000037	0.000060	< 0.001
AMQ-ENV16-20	IVR	Waste	S3N/S10_contact	1.4	0.00020	0.0070	0.000030	0.011	0.00025	1.7	< 0.00001	0.020	0.00043	0.000011	0.00026	0.0038	< 0.002
AMQ-ENV16-42	WT - Pit	Waste	S10_Contact	6.9	0.00080	0.013	0.00010	0.0041	0.00012	2.8	< 0.00001	0.015	0.0018	0.0000060	0.00067	0.011	< 0.002
AMQ-ENV15-113	UG	Waste	S10_01/S3C	10	0.00020	0.029	0.00059	0.0030	0.00015	4.3	0.000030	0.010	0.0092	< 0.000005	0.00080	0.012	< 0.002
AMQ-ENV15-058	WT - Pit	Waste	S10_01/S3C	8.4	0.00040	< 0.003	< 0.00001	0.0020	0.00031	2.8	0.000020	0.042	0.00042	< 0.000005	0.0010	0.00018	< 0.002
AMQ-ENV17-56	UG	Waste	V4A-0b/S10_03	7.8	0.00030	< 0.003	0.000030	0.0094	0.000070	2.0	< 0.00001	0.046	0.000090	< 0.000005	0.000037	0.00086	< 0.002
AMQ-ENV15-133	WT - Pit	Waste	S10_03/S3C	14	0.0056	0.026	0.0081	0.0042	0.15	4.0	0.000050	0.030	< 0.00005	0.011	0.020	0.0088	0.0040
AMQ-ENV15-144	UG	Ore	S9E/S10_01	23	0.0033	0.0040	0.00023	0.023	0.00065	2.8	0.000050	0.040	0.00043	0.00020	0.00026	0.0018	< 0.002
AMQ-ENV15-134	WT - Pit	Ore	S3C/S10_01	15	0.0019	0.0040	0.0024	0.0049	0.016	3.6	0.000040	0.017	0.00070	0.0033	0.0040	0.0021	< 0.002
AMQ-ENV15-035	WT - Pit	Waste	S9E/S10_03/V4A-0b	0.74	0.00090	< 0.003	0.000010	0.0058	0.000060	3.8	0.000020	0.016	0.00035	< 0.000005	0.0000060	0.0035	< 0.002
AMQ-ENV15-062	UG	Waste	V4A-0a/S9E	1.7	0.0022	< 0.003	< 0.00001	0.0065	0.00015	3.9	0.000010	0.20	0.000090	0.000028	0.0000090	0.0037	< 0.002
AMQ-ENV15-072	UG	Waste	S10_03/V4A-0b/V3-1b	8.6	0.00060	0.018	0.000030	0.0070	< 0.00004	12	< 0.00001	0.048	0.0017	< 0.000005	0.000016	0.021	< 0.002
AMQ-ENV16-58	IVR	Waste	V4A-0a/V3-1a	3.0	0.00020	0.0070	0.000010	0.0076	0.00016	4.0	0.000010	0.016	0.00039	< 0.000005	0.0000020	0.026	< 0.002
AMQ-ENV16-19	IVR	Waste	S3N/S10_contact	4.6	< 0.0001	0.0050	0.000020	0.0083	0.00013	2.0	0.000070	0.022	0.00017	0.0000070	< 0.000002	0.012	< 0.002
AMQ-ENV16-22	IVR	Waste	V3-1b/V4A-0a	3.4	0.00040	< 0.003	0.000020	0.0083	0.00032	1.6	< 0.00001	0.053	0.00011	< 0.000005	< 0.000002	0.0017	< 0.002
AMQ-ENV16-Field Cell-UM	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	8.9	0.0010	0.010	0.000020	0.021	0.000090	6.1	0.000080	0.037	0.00014	0.000023	0.0000050	0.014	< 0.002
AMQ-ENV16-Field Cell-UM Duplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	9.3	0.00070	0.0030	0.000010	0.021	0.00015	6.9	0.000060	0.036	0.00015	0.000020	0.0000040	0.016	< 0.002
AMQ-ENV16-Field Cell-UM Triplicate	WT - Pit	Waste	V4A-0a/S9E/V4A-0b	8.9	0.00080	0.0040	< 0.00001	0.021	0.00016	7.1	0.000050	0.035	0.000080	0.000021	0.0000040	0.016	< 0.002
AMQ-ENV16-Field Cell-IF	WT - Pit	Waste	S9E/V4A-0a	11	0.0056	0.0080	< 0.00001	0.066	0.00021	5.3	0.000090	0.034	0.00036	< 0.000005	0.000020	0.014	< 0.002
AMQ-ENV16-Field Cell-IF Duplicate	WT - Pit	Waste	S9E/V4A-0a	9.7	0.0038	0.0050	< 0.00001	0.053	0.00022	5.9	0.000090	0.033	0.00041	< 0.000005	0.000013	0.014	< 0.002
AMQ-ENV16-Field Cell-IF Triplicate	WT - Pit	Waste	S9E/V4A-0a	11	0.0050	0.0060	0.000010	0.064	0.00020	5.1	0.00010	0.033	0.00055	< 0.000005	0.000013	0.012	< 0.002
C1	WT - Pit	Waste	S9E/V4A-0a	1.2	0.0028	0.034	0.000090	0.029	0.00060	5.8	0.00013	0.066	0.00024	0.000055	0.000012	0.011	< 0.002
C2	WT - Pit	Waste	S9E/V4A-0a	2.3	0.0013	0.0040	0.00013	0.020	0.00023	5.6	0.00012	0.045	0.000060	0.000034	0.000026	0.011	< 0.002
C3	WT - Pit	Waste	S3C/S10	3.8	0.00010	0.011	0.00015	0.0028	0.00034	2.2	0.00015	0.016	0.0010	0.000028	0.00077	0.0010	< 0.002
C4	WT - Pit	Waste	S3C/S3S	4.6	0.00020	0.011	0.00012	0.0030	0.00037	5.0	0.00014	0.13	0.000080	0.000048	0.00018	0.0067	< 0.002
C5	WT - Pit	Waste	V4A-0b/V3-1b	1.9	0.00020	0.012	0.00011	0.0042	0.00038	5.8	0.00018	0.054	0.00018	0.000052	0.000041	0.011	< 0.002
C6	WT - Pit	Waste	S10/S3C/V4A-0b	2.8	0.0021	< 0.003	0.00012	0.0048	0.00043	2.6	0.000070	0.047	0.00021	0.000031	0.00054	0.00022	< 0.002
C8	WT - Pit	Waste	S9E/V4A-0a/V4A-0b	2.4	0.0010	< 0.003	0.000020	0.014	0.00013	6.0	0.00014	0.051	< 0.00005	< 0.000005	0.000048	0.0090	< 0.002
C9	WT - Pit	Waste	S3N	4.6	0.00050	< 0.003	0.00011	0.0047	0.00044	2.5	0.000030	0.041	< 0.00005	0.000012	0.00038	0.00023	0.085

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for samples grouped by rock type (with rock model code presented in brackets) and deposit location.
(2) Deposit location is WT-Pit (Whale Tail Pit), UG (Whale Tail Underground) or IVR (IVR Pit).
(-) = no data reported, no calculation required



Notes:

(A) Composite sample is composed of multiple rock types.

- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Sulphide Sulphur versus Total Sulphur

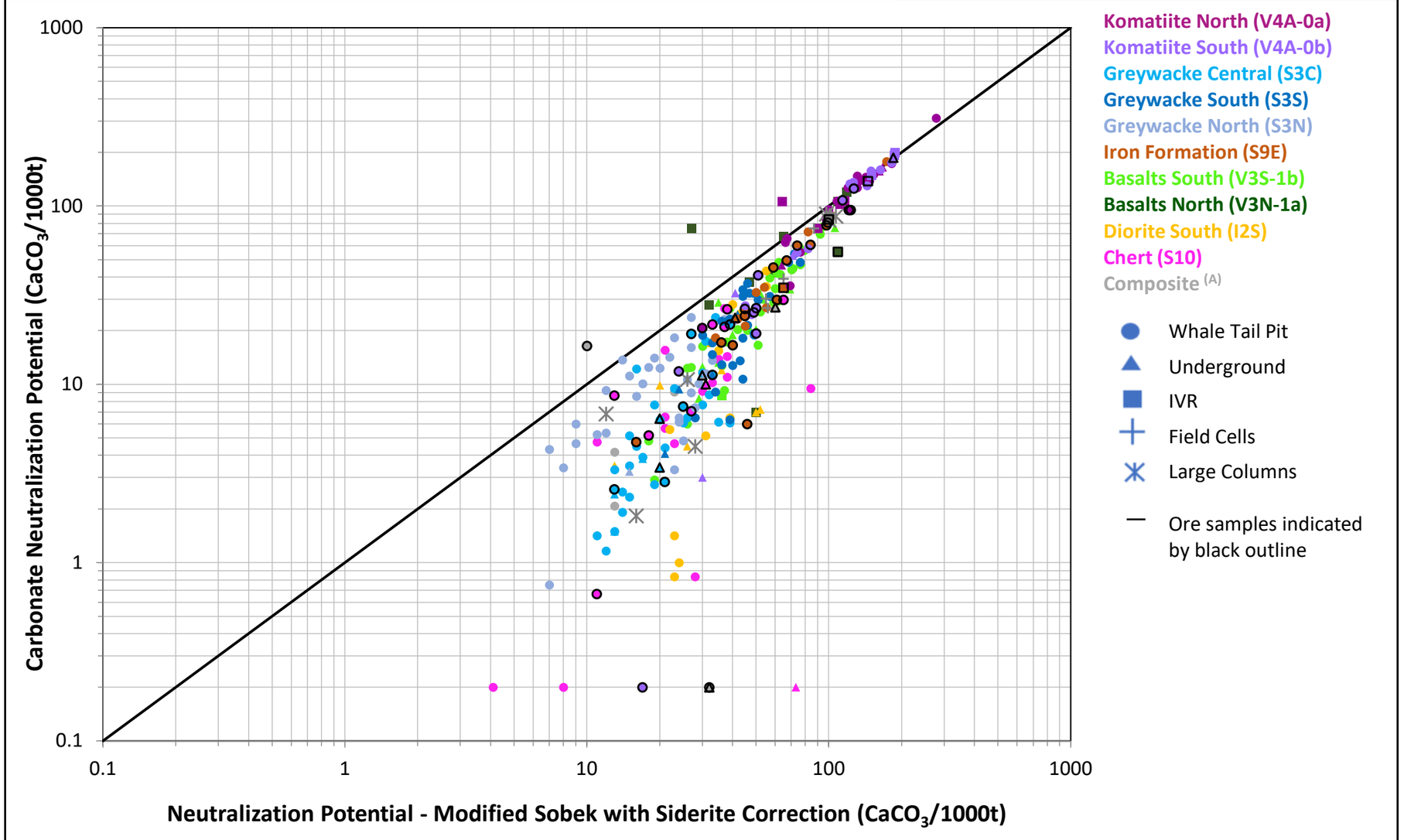
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CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Pit, Underground, IVR Pit Waste Rock

Agnico Eagle Mines Limited Meadowbank Division

GOLDER

APPENDIX FIGURE F- 1



Notes:

(A) Composite sample is composed of multiple rock types.

- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value
- Green square indicates negative values which have been assigned a low value to plot on the log-log scale
- CaNP calculated using graphite-corrected carbonate (CO3) where measured (see Appendix C).

Carbonate Neutralization Potential versus Neutralization Potential

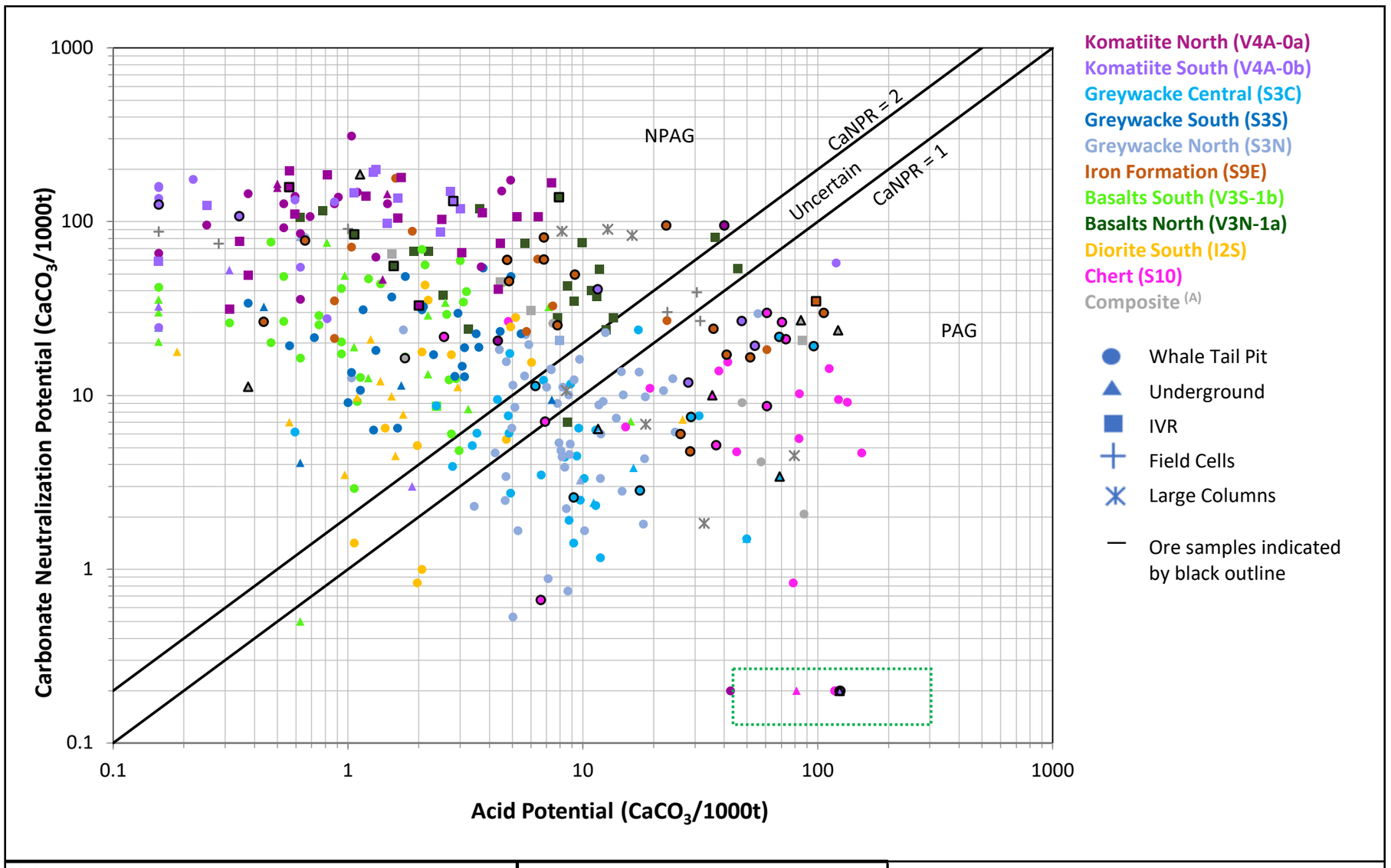
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CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Pit, Underground, IVR Pit Waste Rock

Agnico Eagle Mines Limited Meadowbank Division

GOLDER

APPENDIX FIGURE F- 2



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value
- Green square indicates negative values which have been assigned a low value to plot on the log-log scale
- CaNP calculated using graphite-corrected carbonate (CO3) where measured (see Appendix C).

Carbonate Neutralization Potential versus Acid Potential

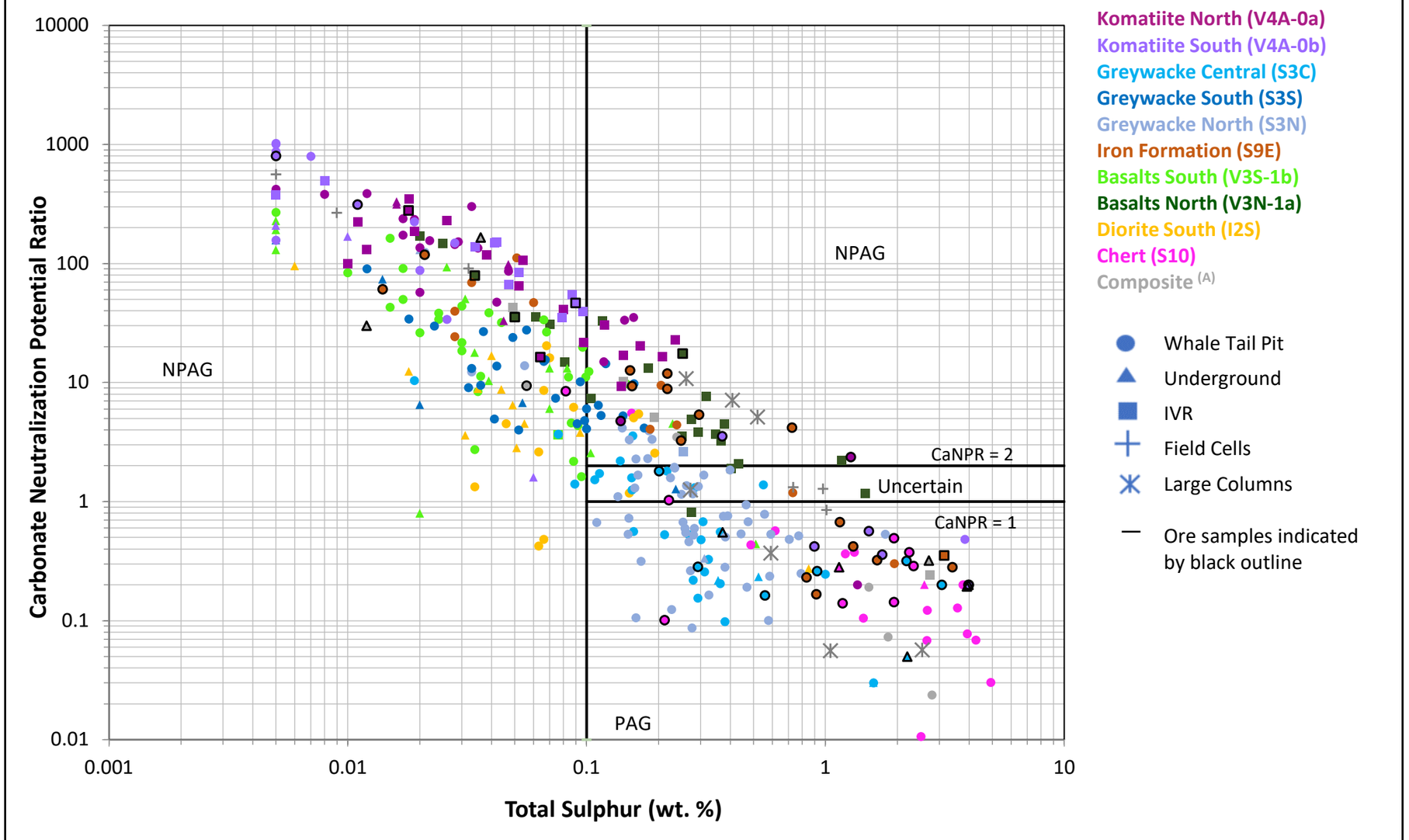
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 3



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value
- CaNP calculated using graphite-corrected carbonate (CO3) where measured (see Appendix C).

Criteria:
MEND (2009)

Carbonate Neutralization Potential Ratio versus Total Sulphur

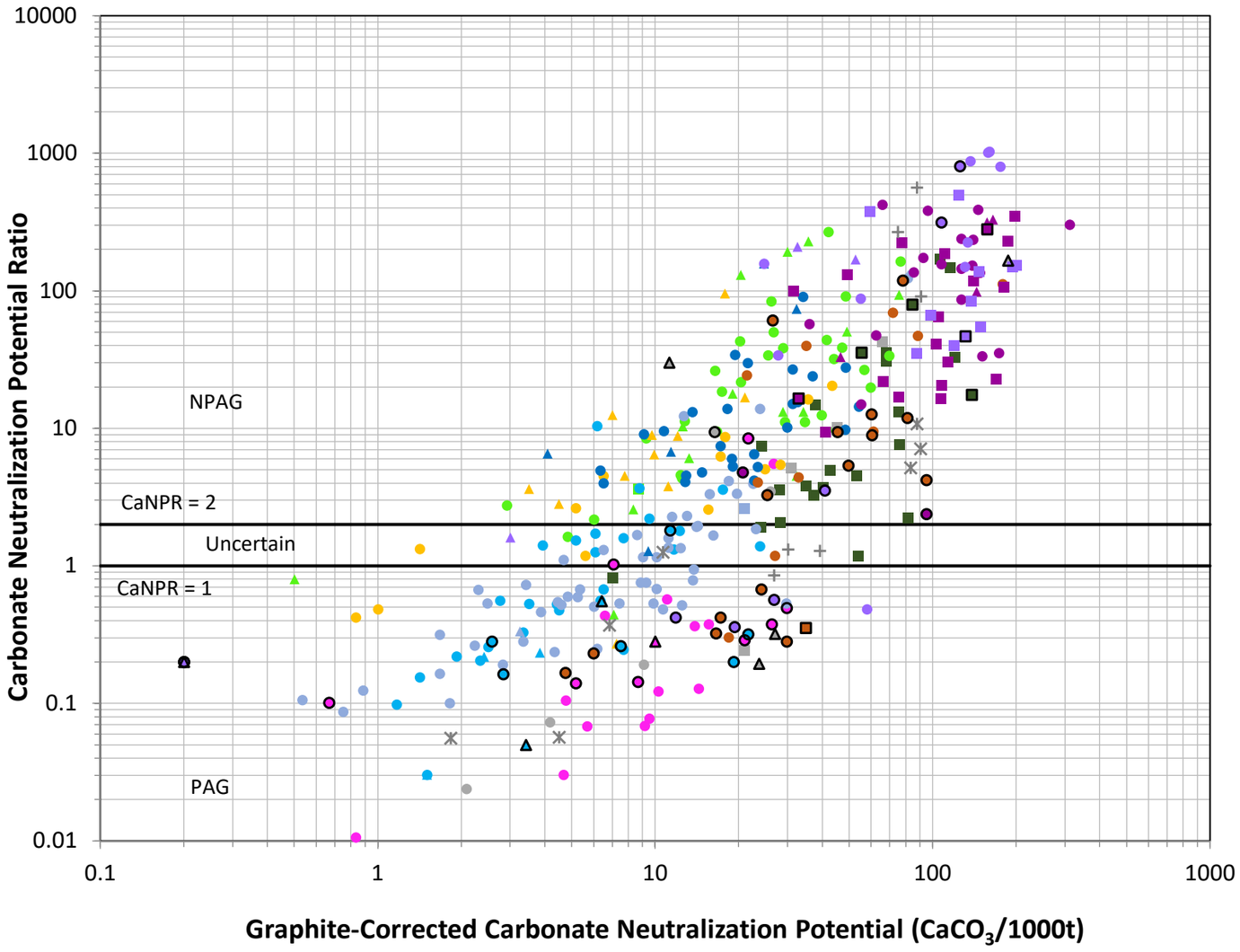
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 4



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Criteria:
MEND (2009)

Carbonate Neutralization Potential Ratio versus Carbonate Neutralization Potential

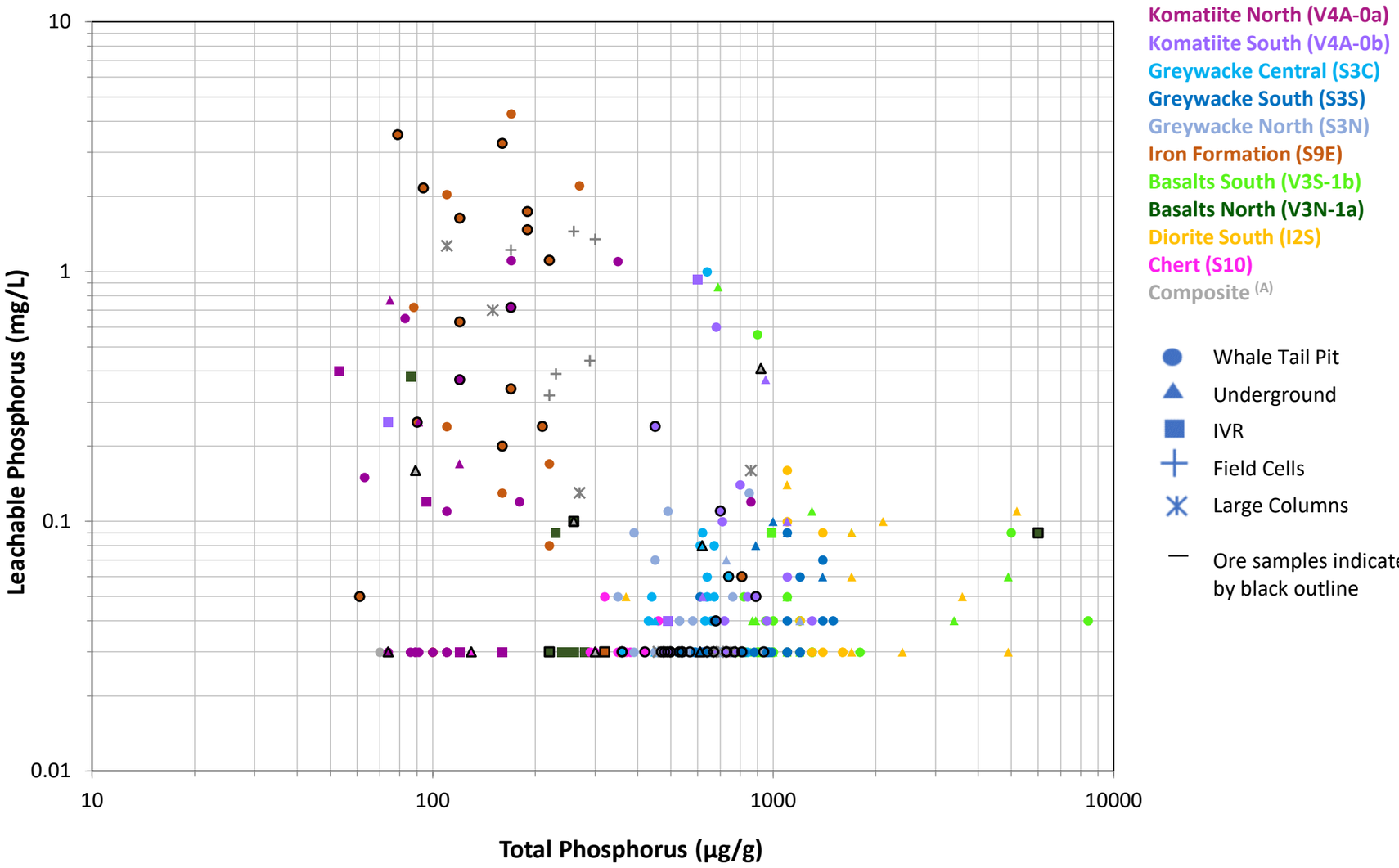
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CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 5



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Phosphorus versus Total Phosphorus

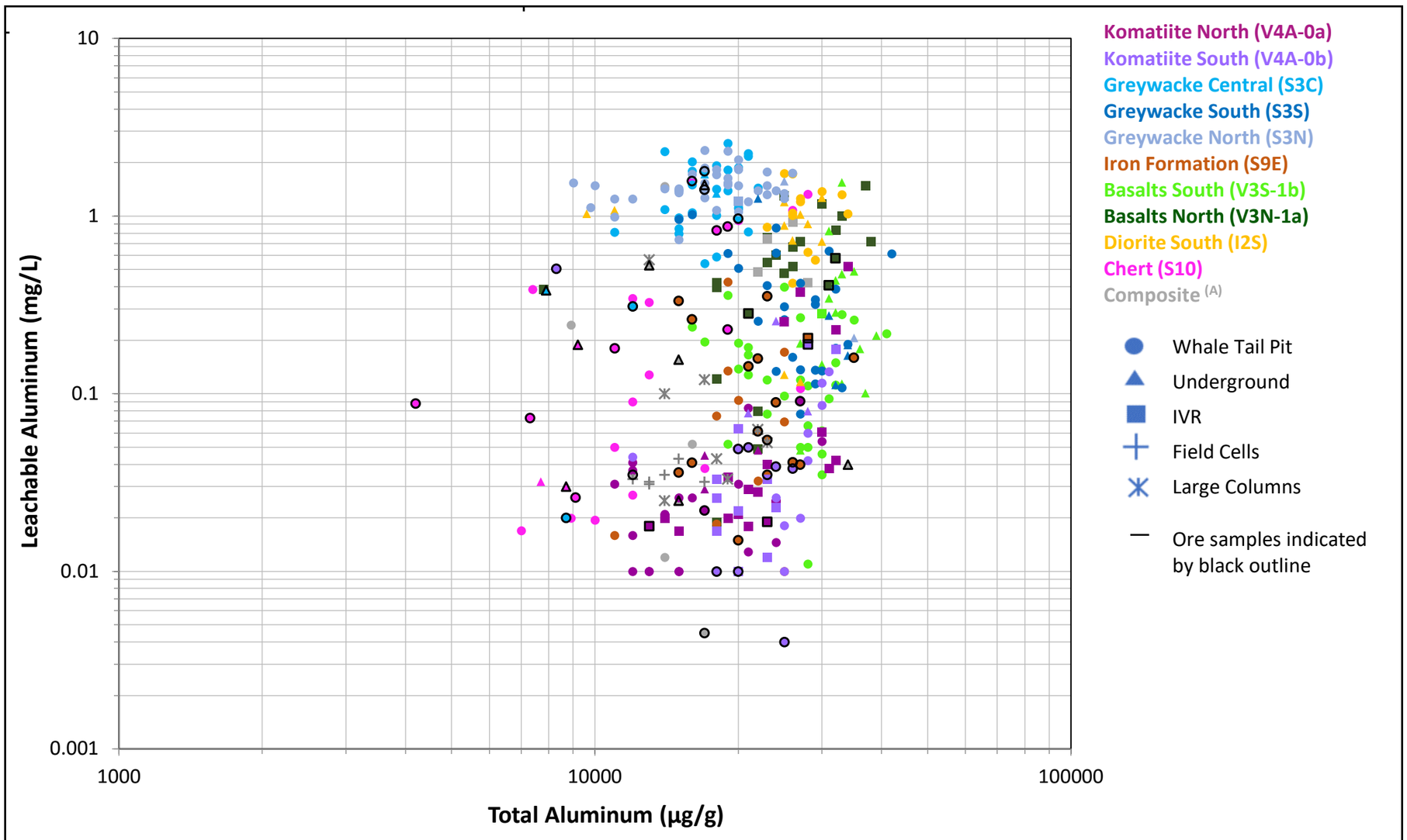
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 6



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Aluminum versus Total Aluminum

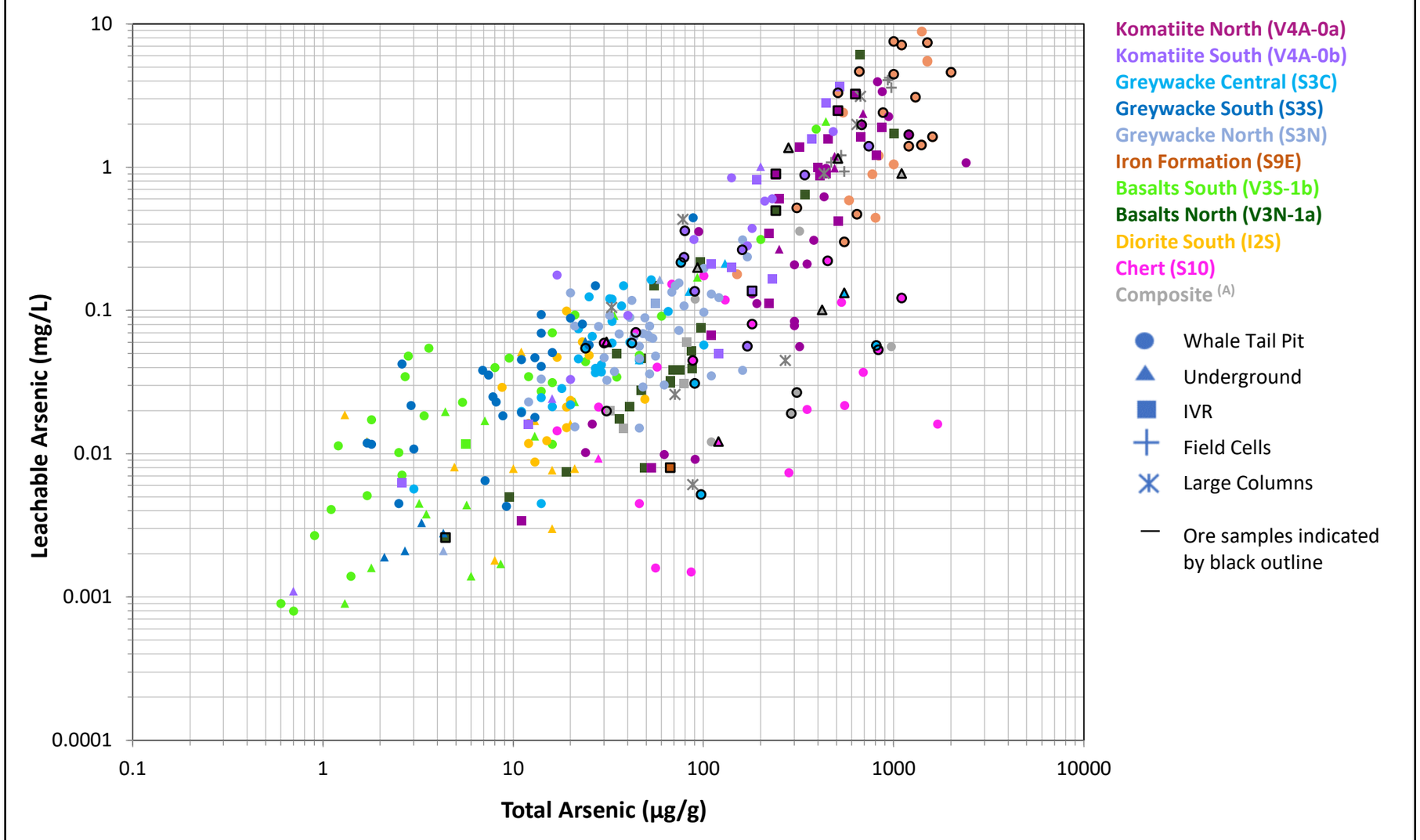
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 7



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Arsenic

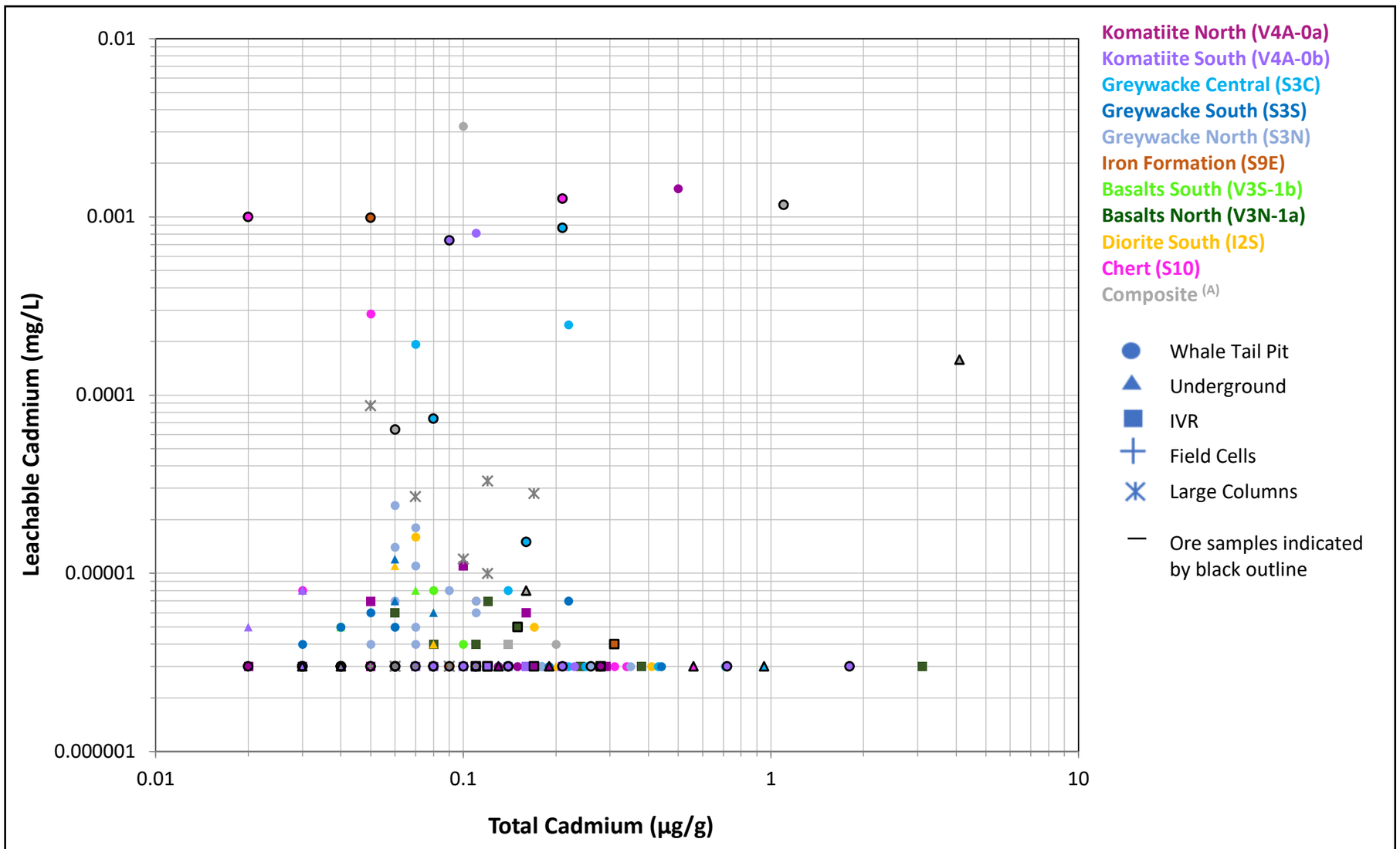
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 8



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Cadmium versus Total Cadmium

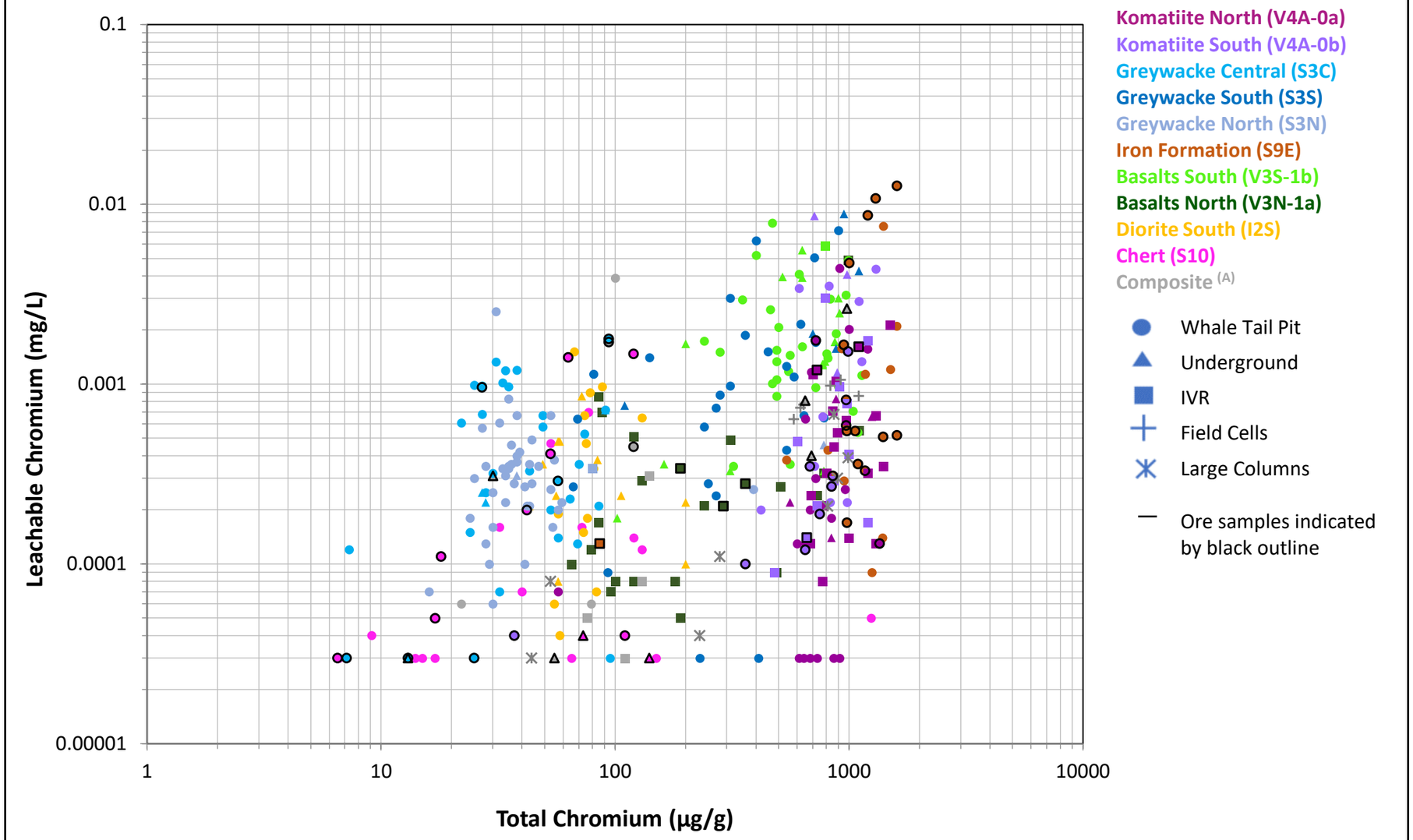
Static Testing: Whale Tail Pit, Underground, IVR Pit Waste Rock

PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

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APPENDIX FIGURE F- 9



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Chromium versus Total Chromium

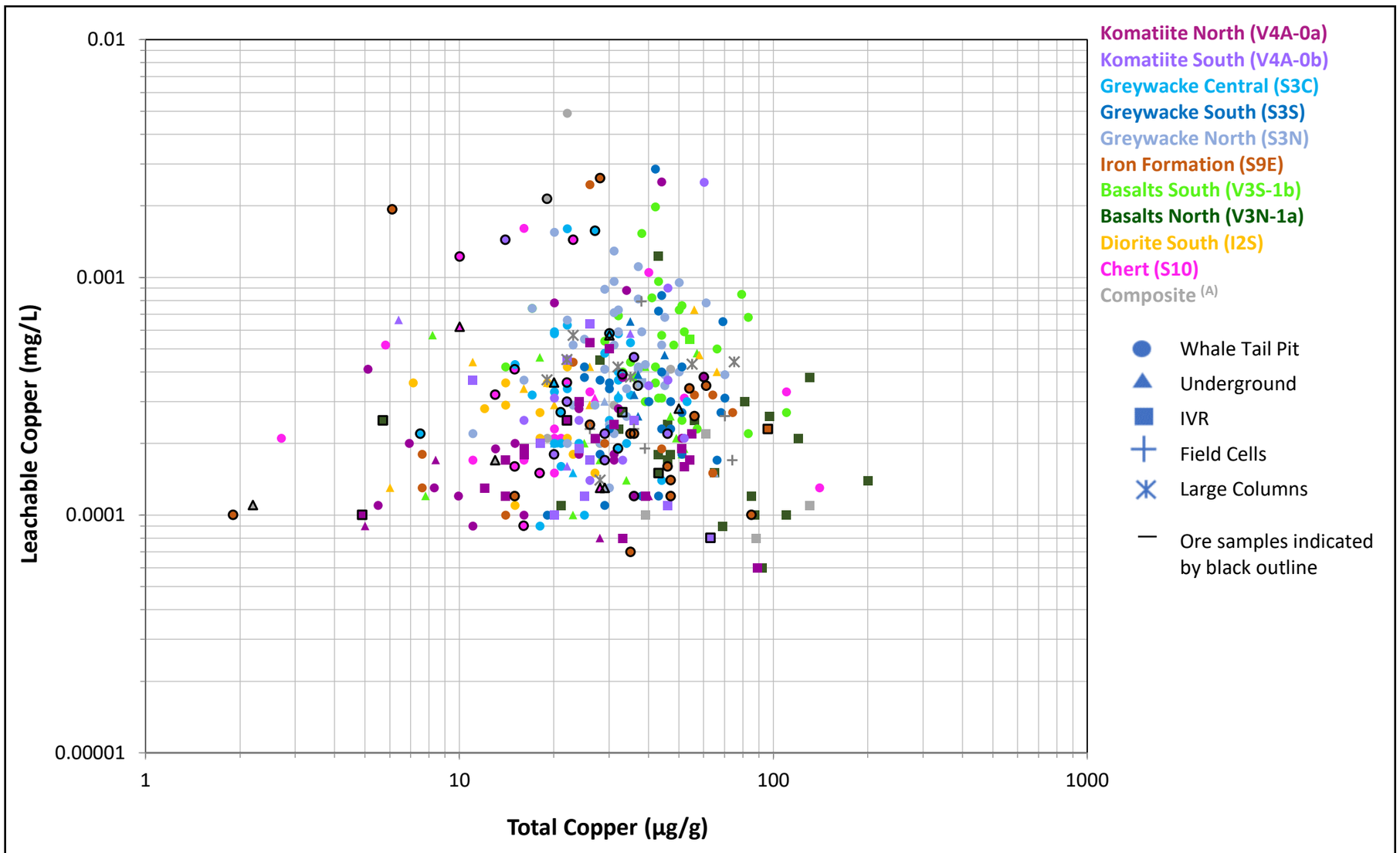
Static Testing: Whale Tail Pit, Underground, IVR Pit Waste Rock

PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 10



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Copper versus Total Copper

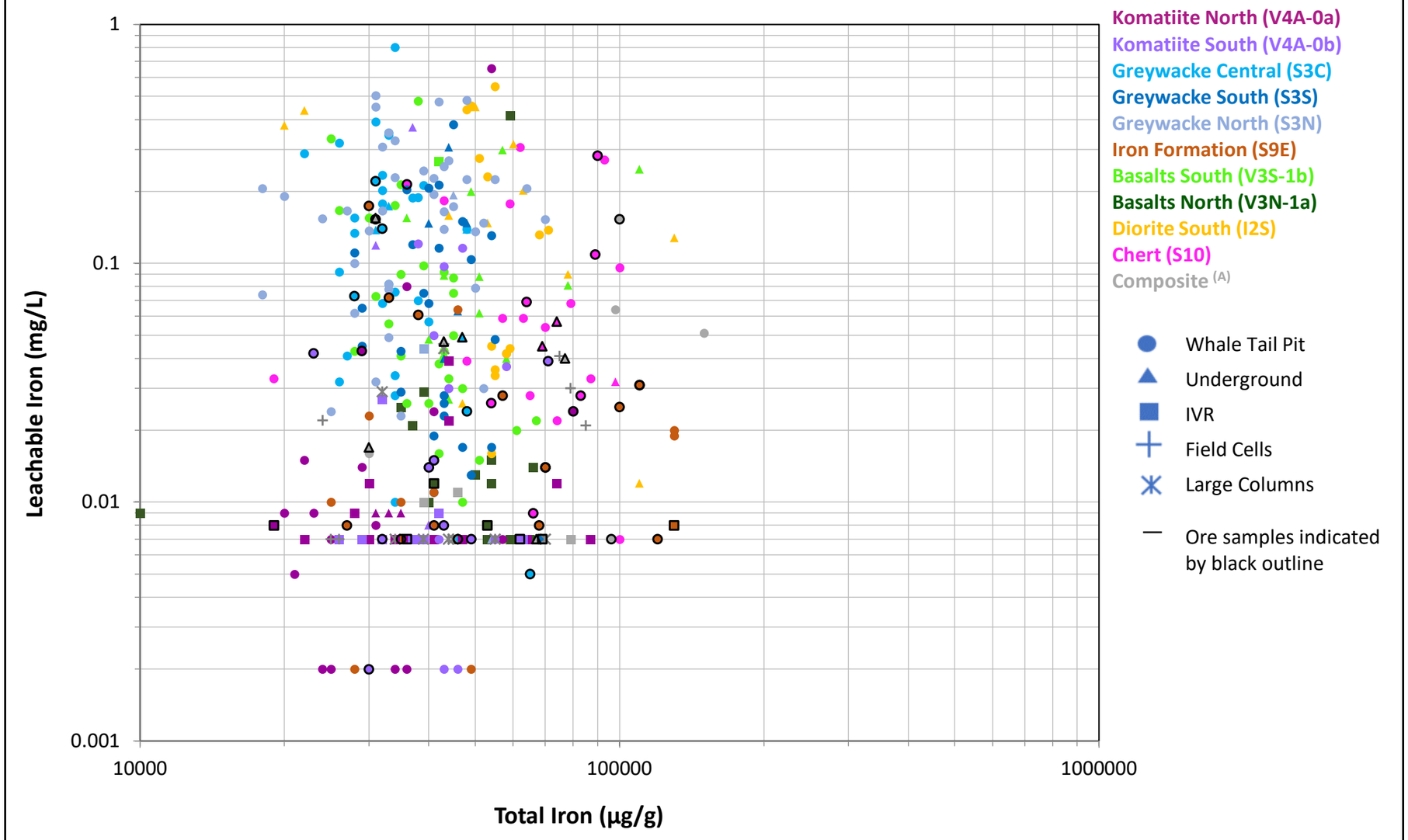
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 11



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Iron versus Total Iron

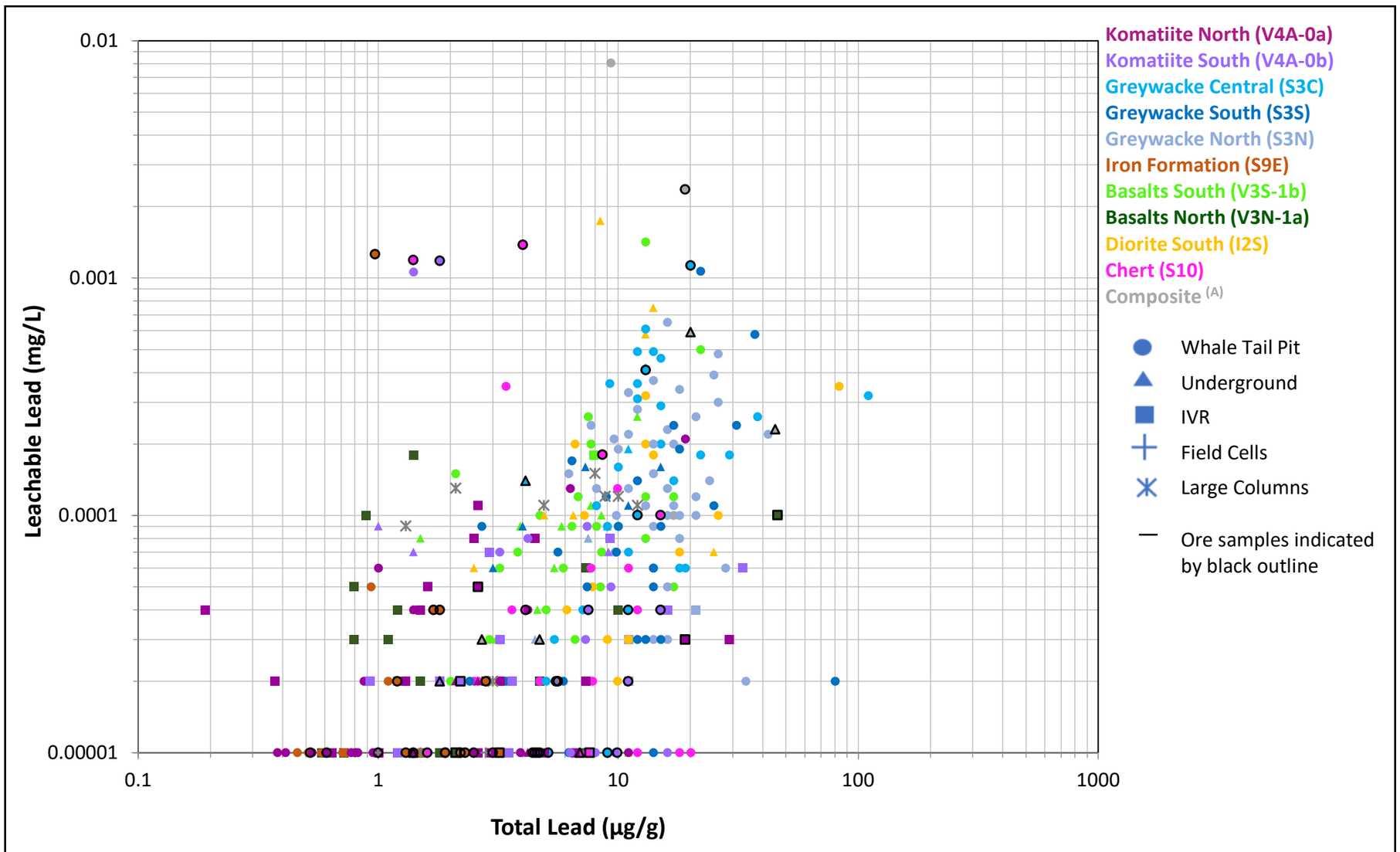
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 12



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Lead versus Total Lead

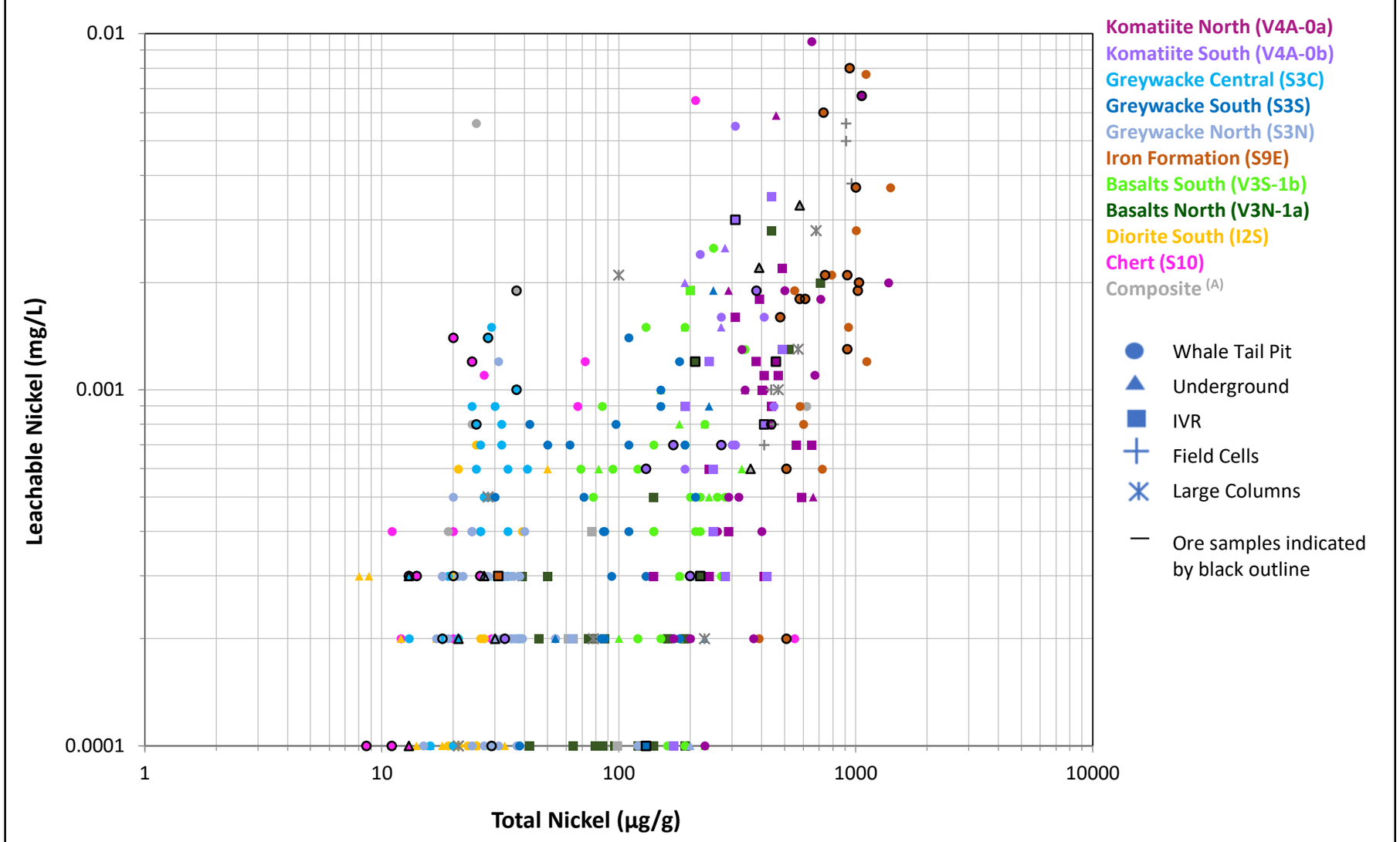
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 13



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Nickel versus Total Nickel

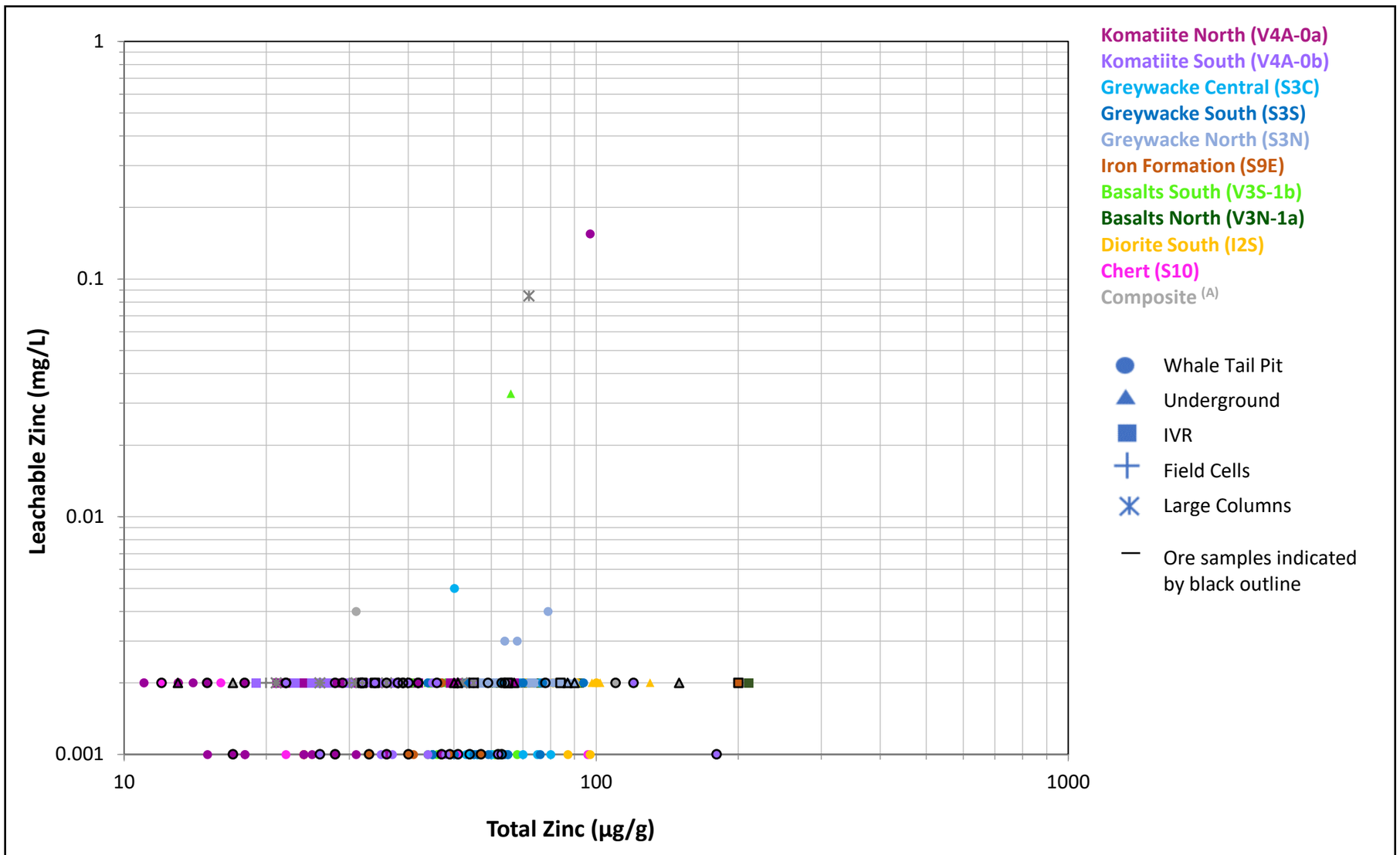
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 14



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Zinc versus Total Zinc

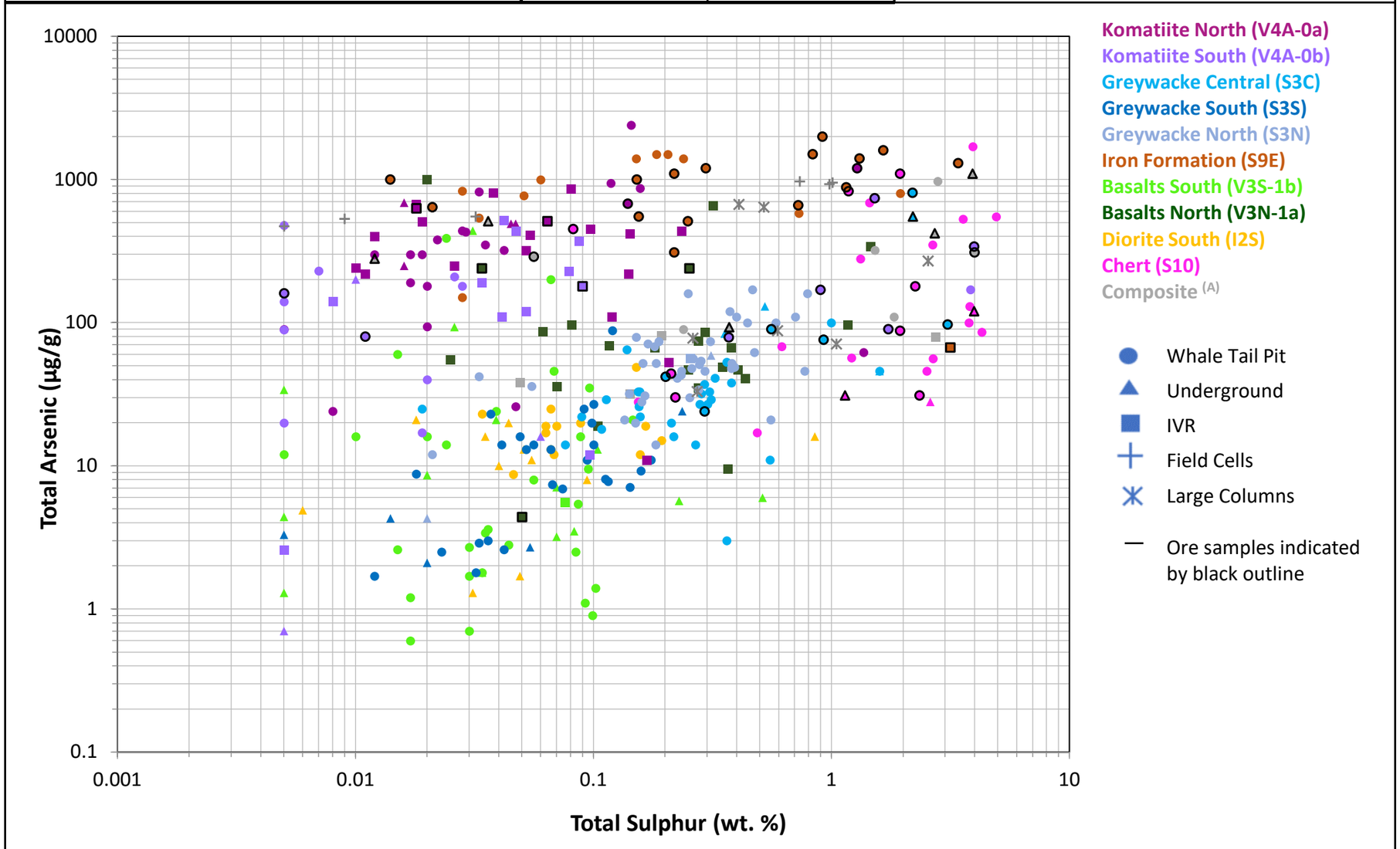
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 15



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Total Arsenic versus Total Sulphur

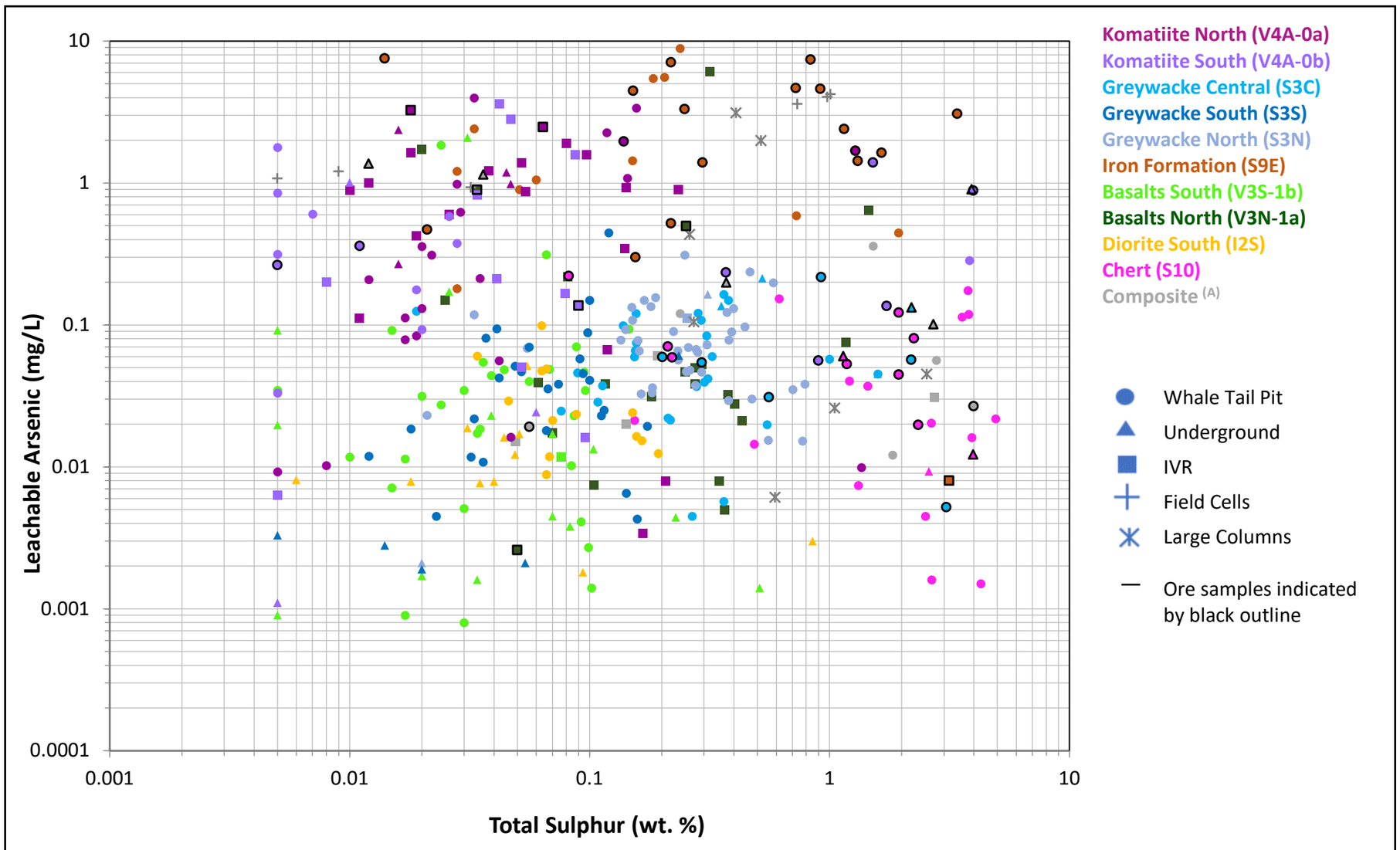
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 16



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Sulphur

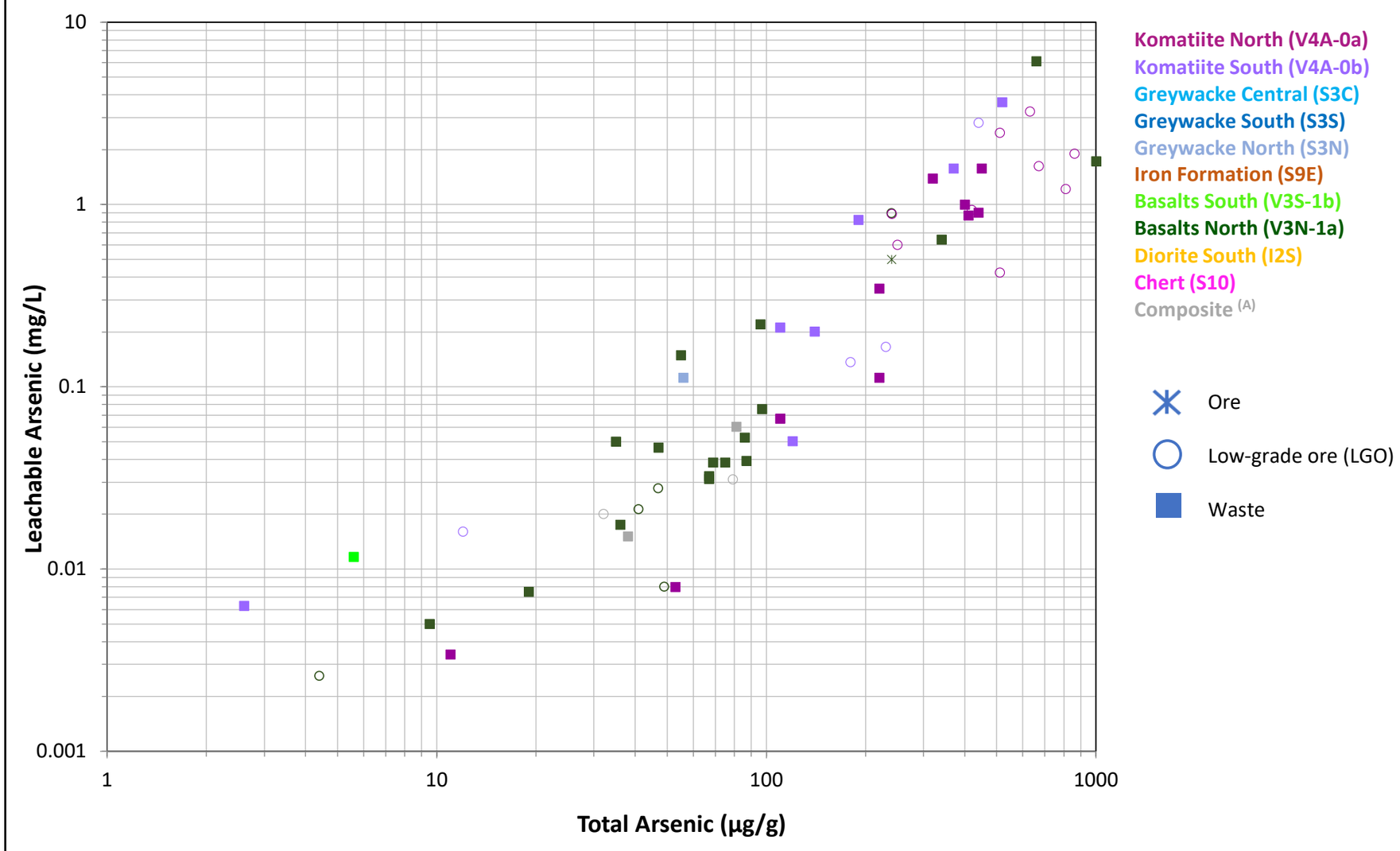
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 17



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Arsenic - Correlation with Proximity to Ore

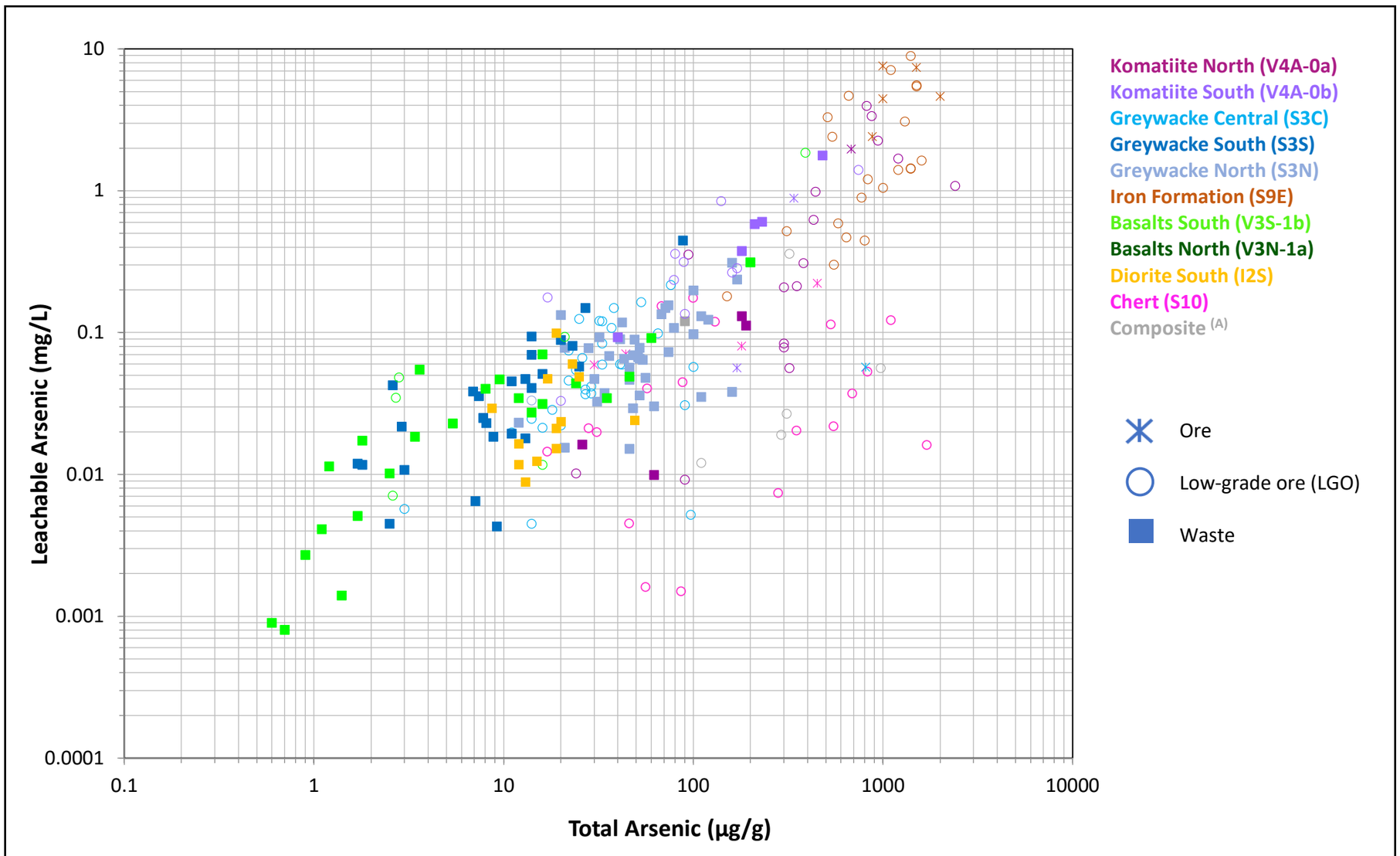
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
IVR Pit

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 18



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Arsenic - Correlation with Proximity to Ore

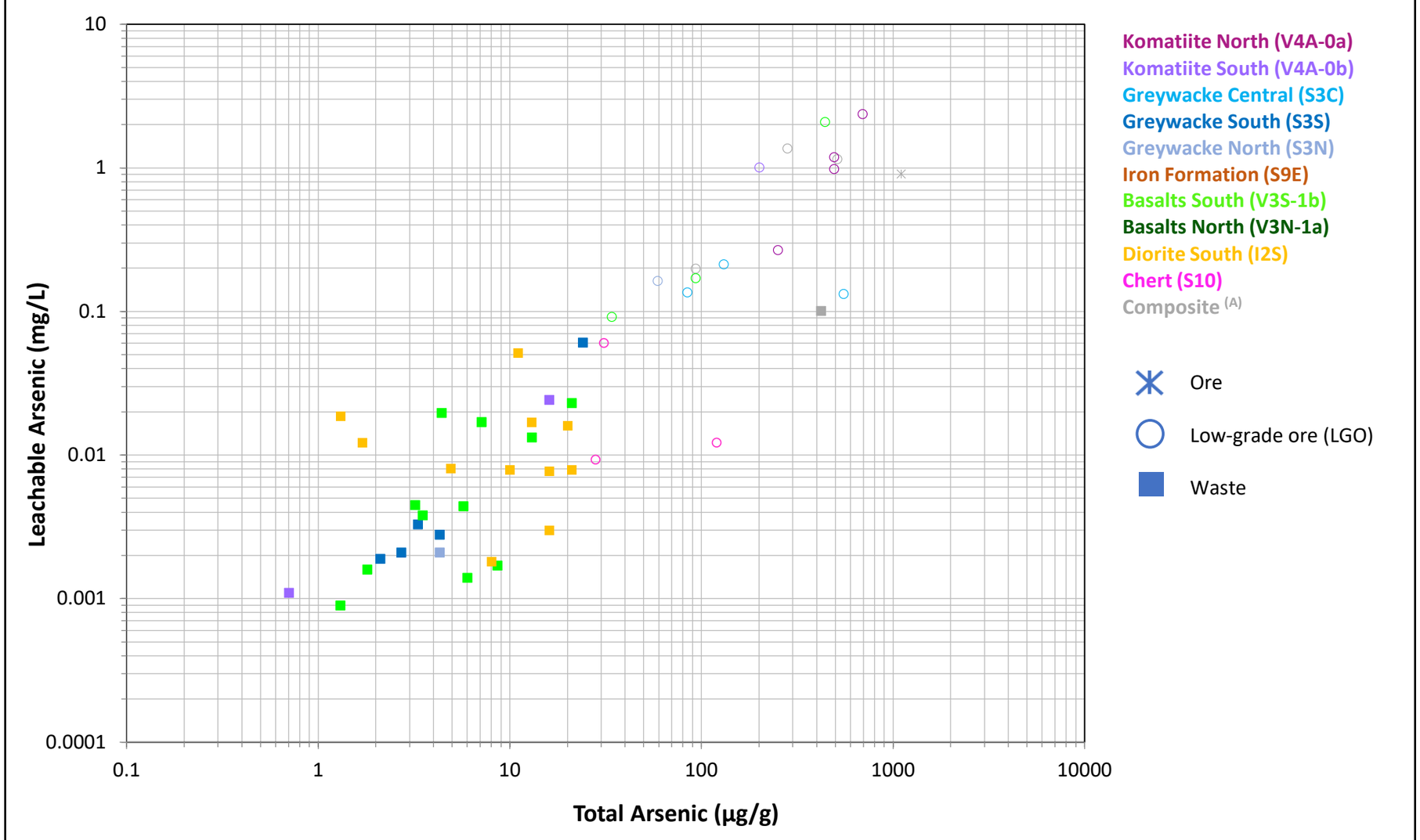
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Pit

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 19



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Arsenic - Correlation with Proximity to Ore

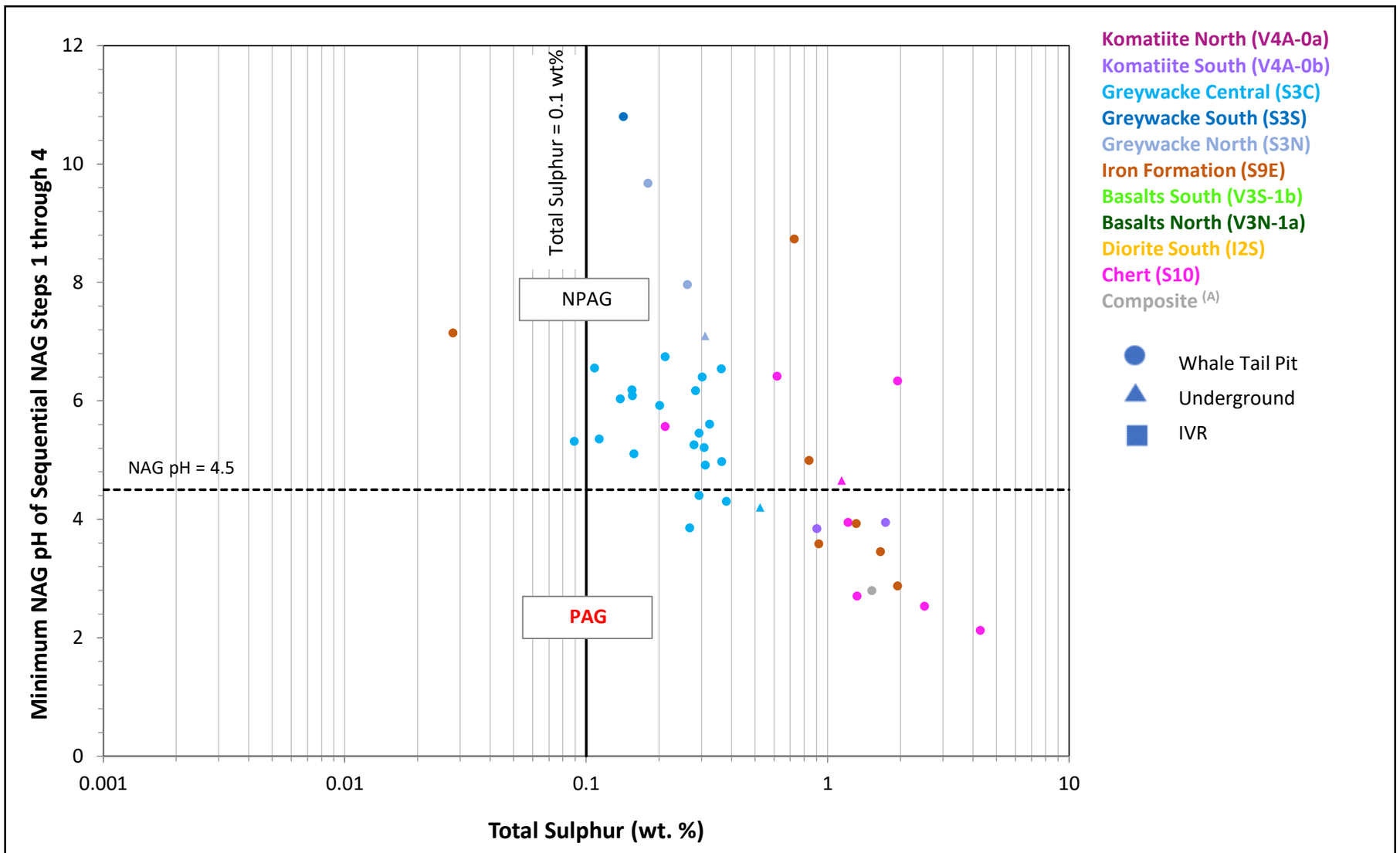
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Underground

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 20



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Criteria:
MEND (2009)

NAG pH - Minimum pH Value from NAG Sequences Steps 1 through 4 Versus Total Sulphur

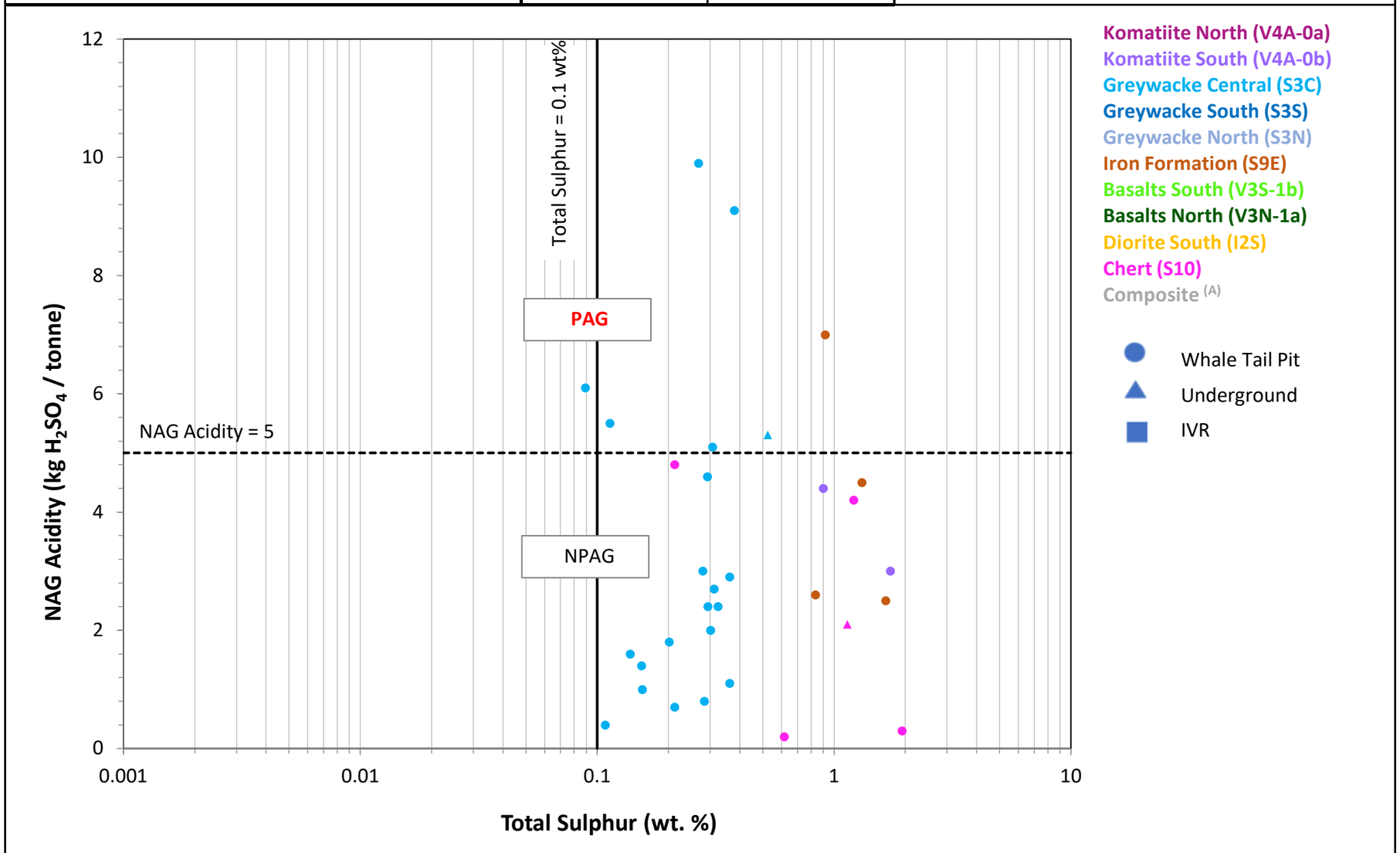
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 21



Notes:
(A) Composite sample is composed of multiple rock types.
- Black-outlined symbols indicate ore
- Values < MDL are plotted as MDL value

Criteria:
MEND (2009)

NAG Acidity Versus Total Sulphur

PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing:
Whale Tail Pit, Underground, IVR Pit
Waste Rock

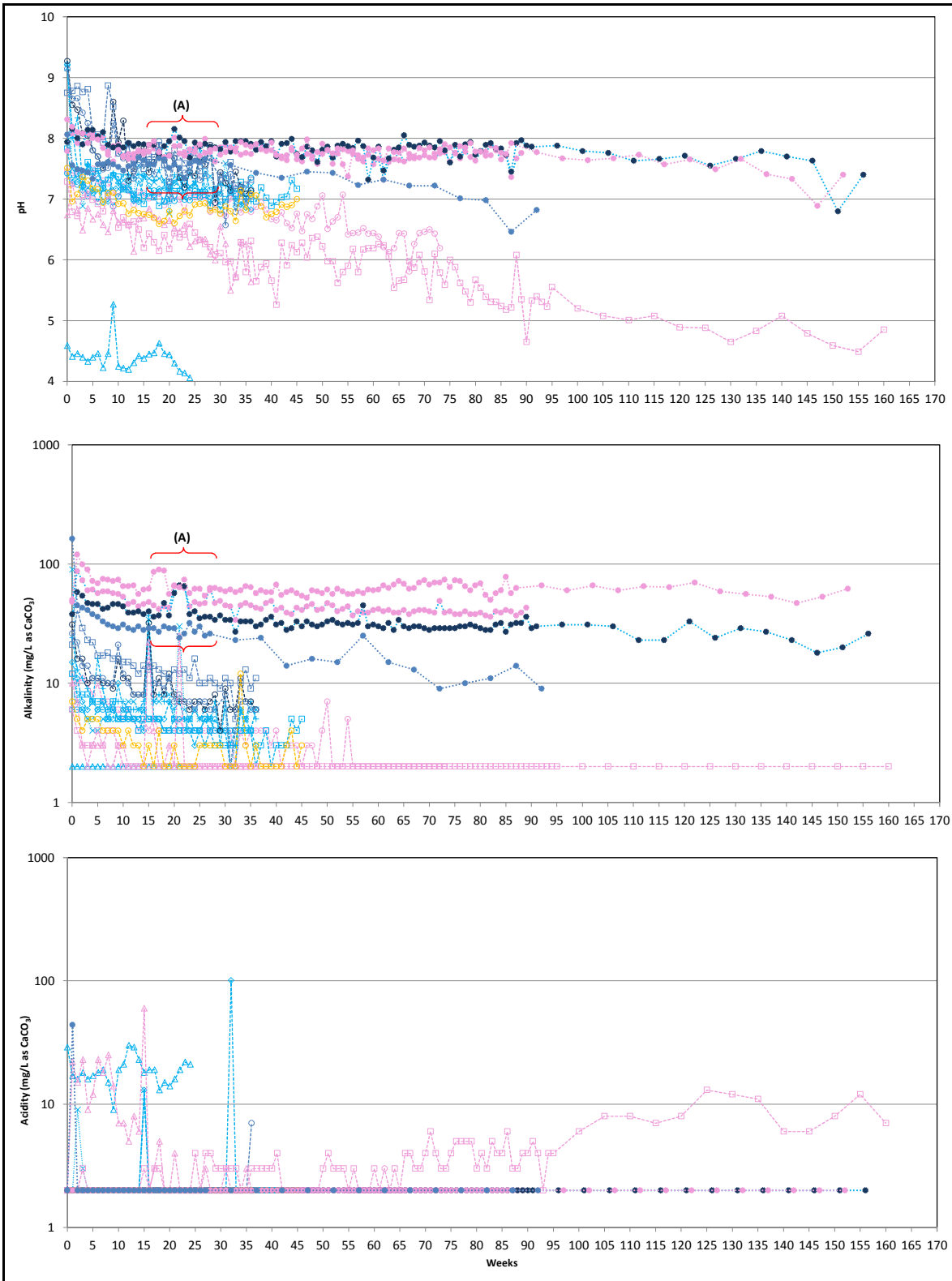
Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE F- 22

APPENDIX G

Waste Rock and Ore Results Kinetic Test Results: Figures



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

pH

Alkalinity

Acidity

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

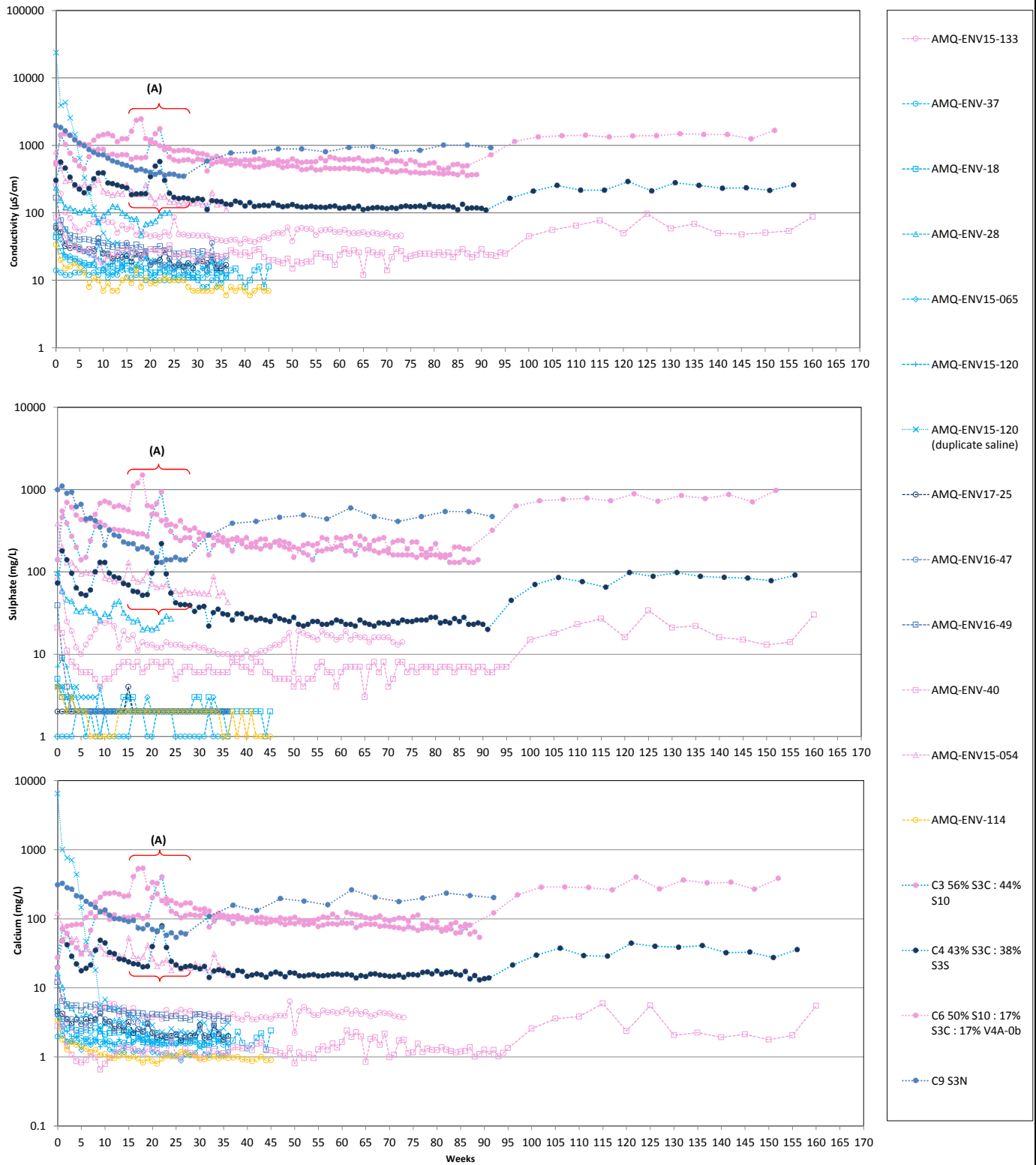
Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 1



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Conductivity

Sulphate

Calcium

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

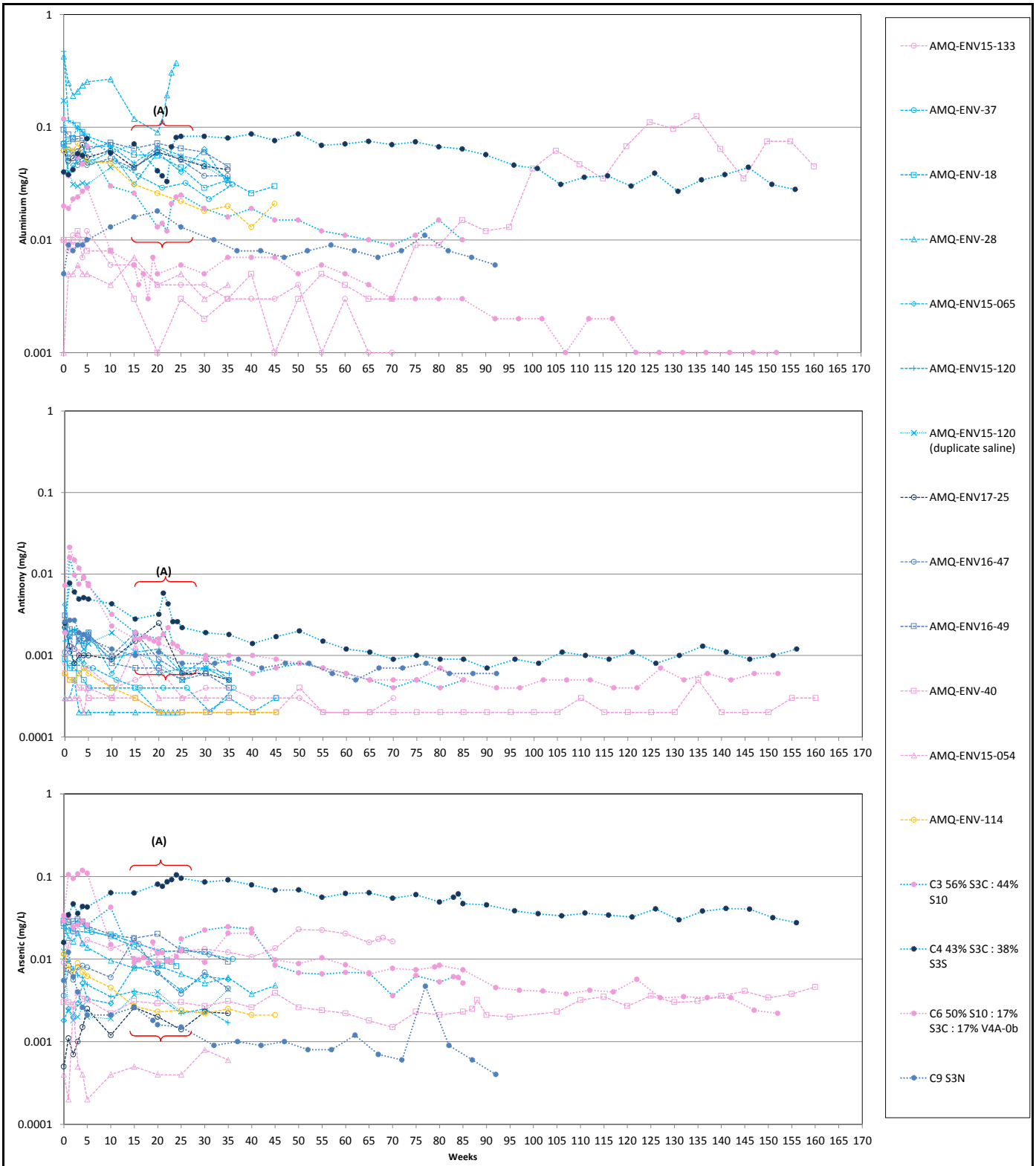
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 2



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Aluminum

Antimony

Arsenic

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

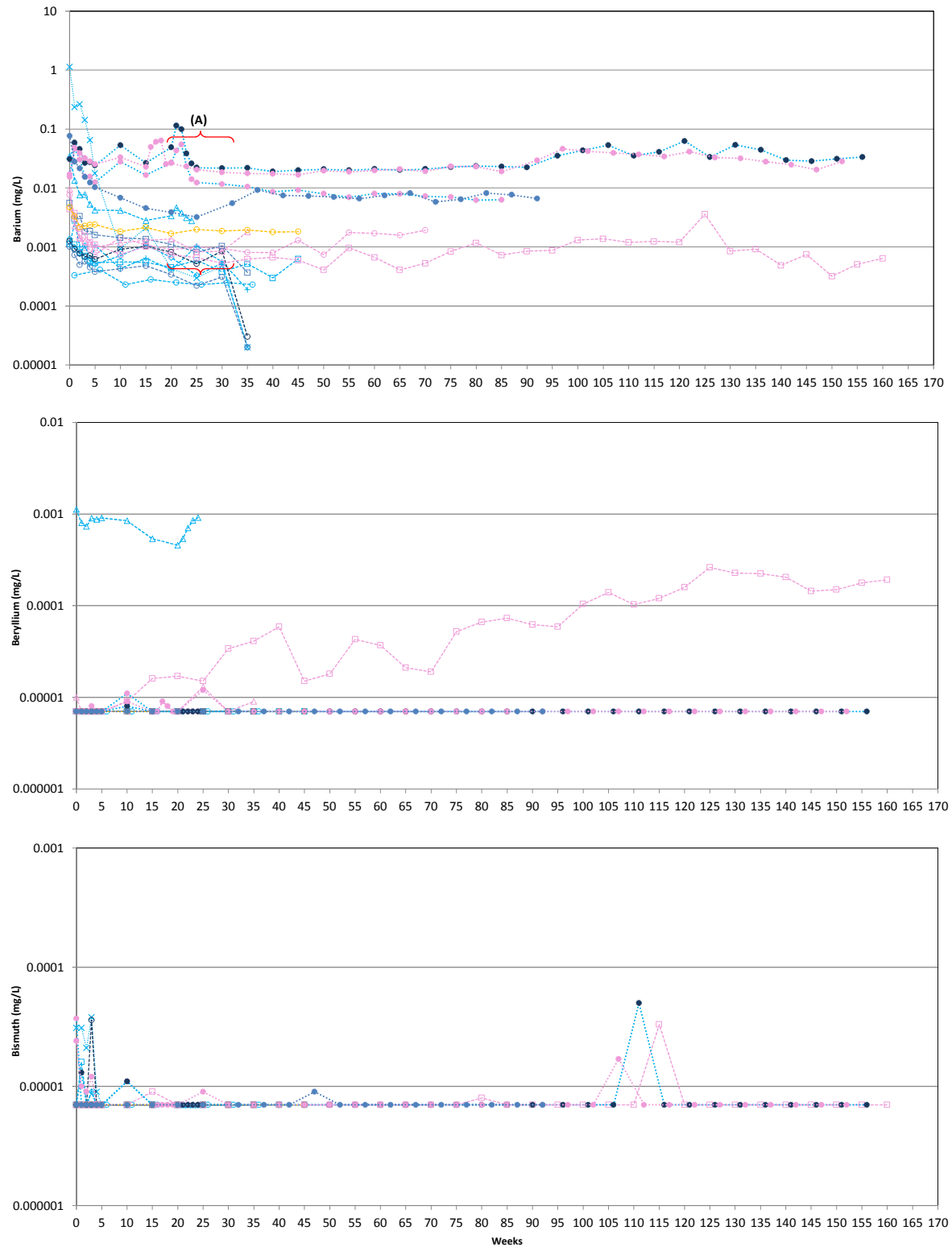
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 3



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Barium

Beryllium

Bismuth

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

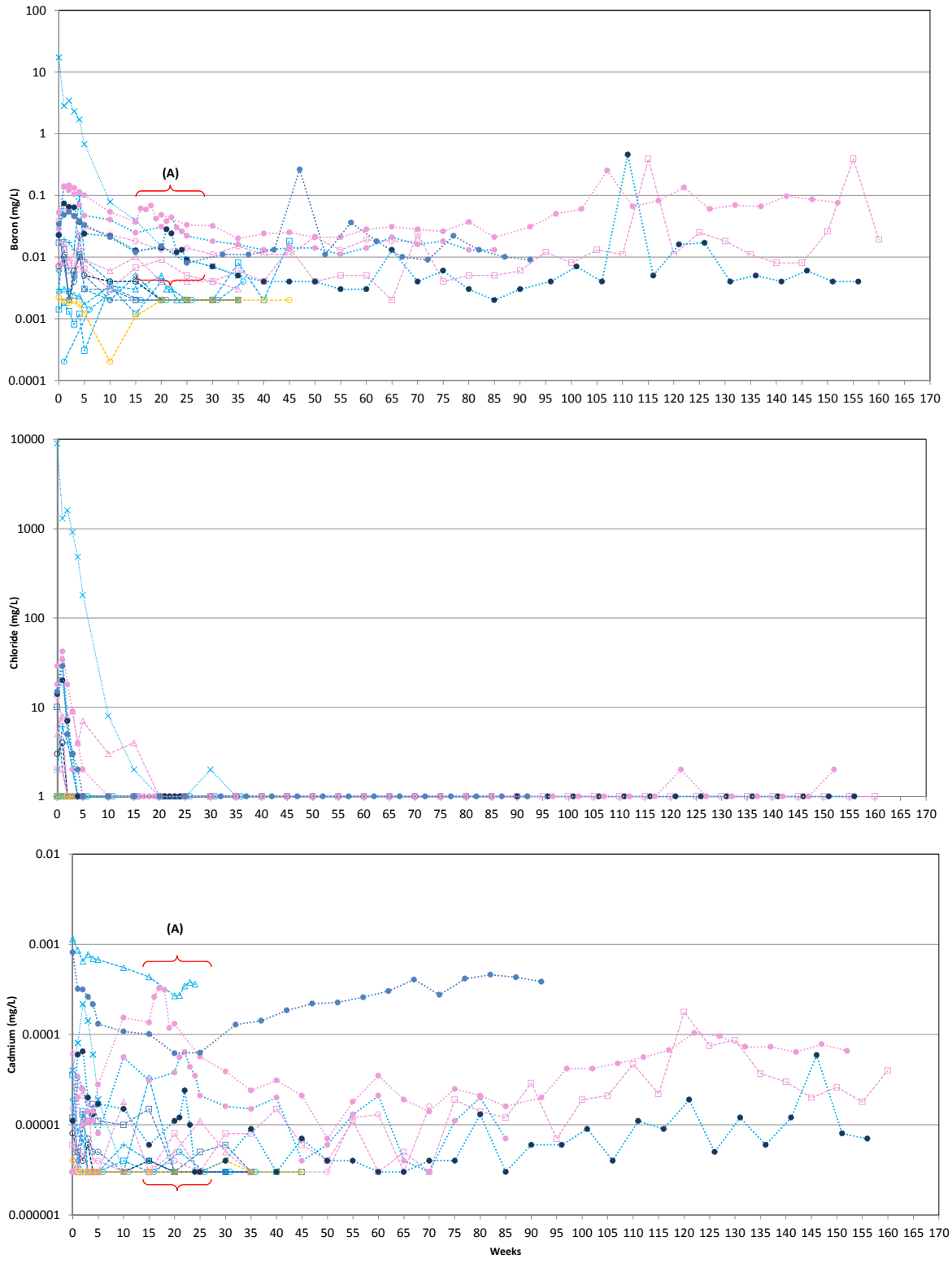
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 4



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Boron
Chloride
Cadmium

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

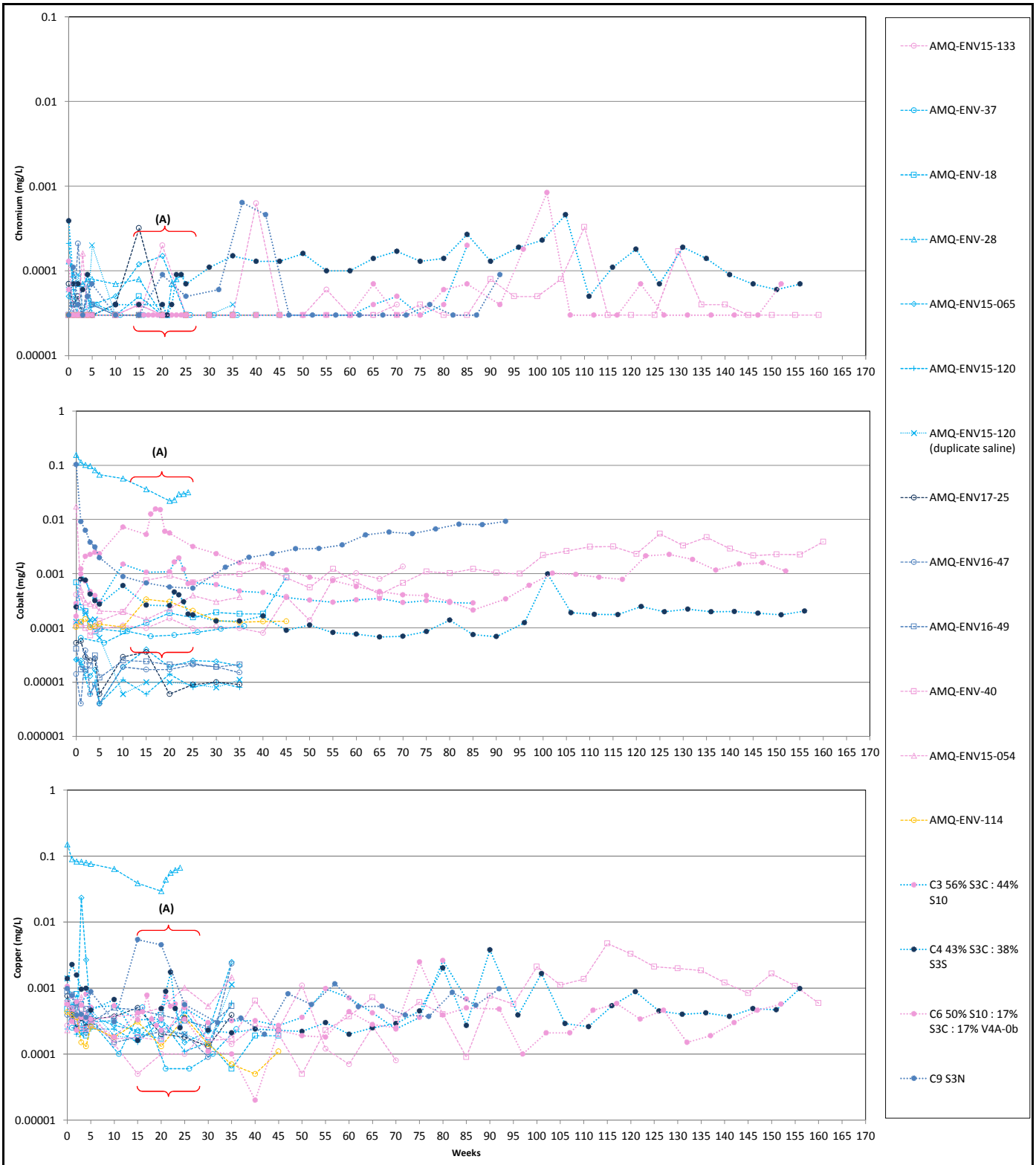
Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 5



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Chromium

Cobalt

Copper

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

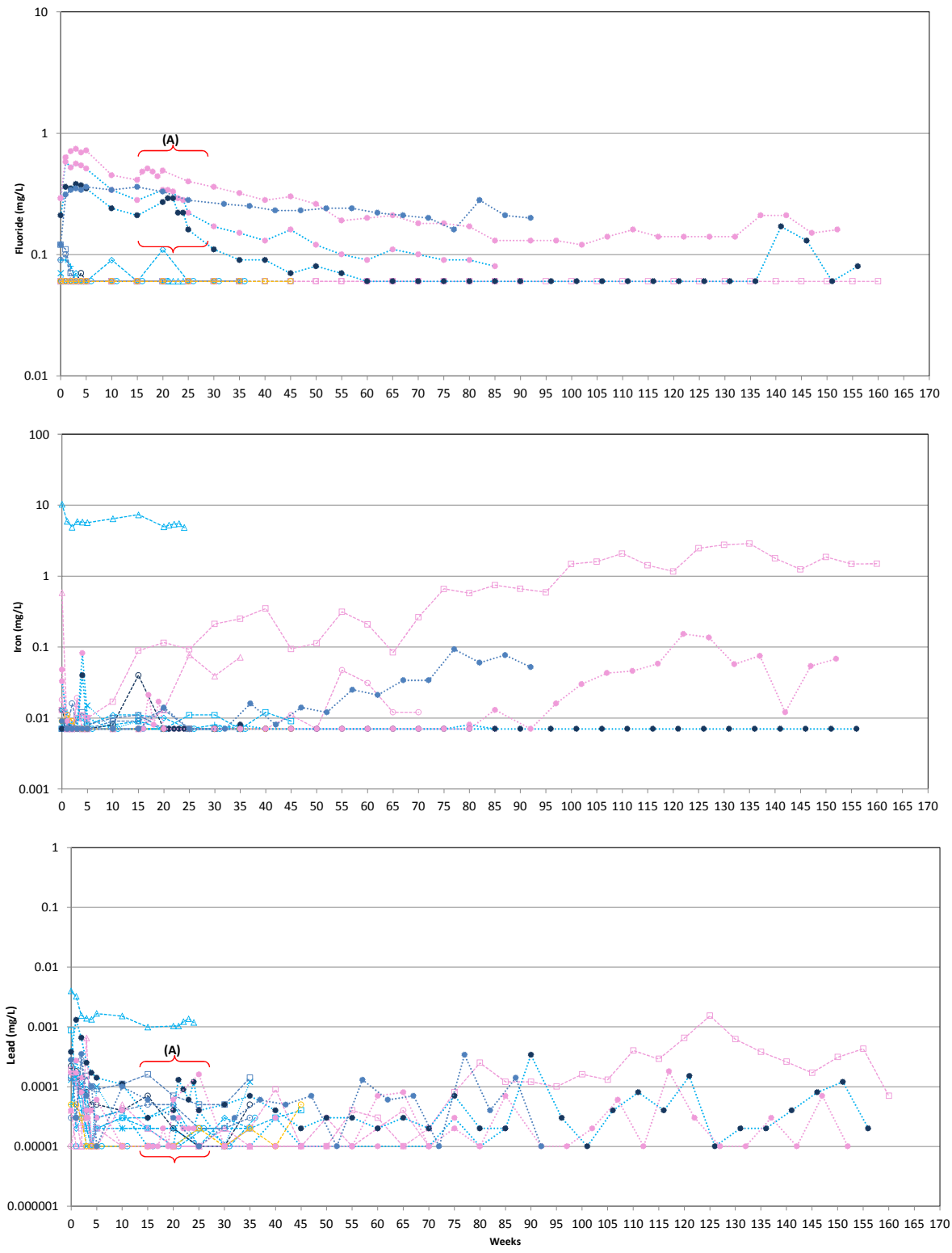
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 6



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Fluoride

Iron

Lead

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

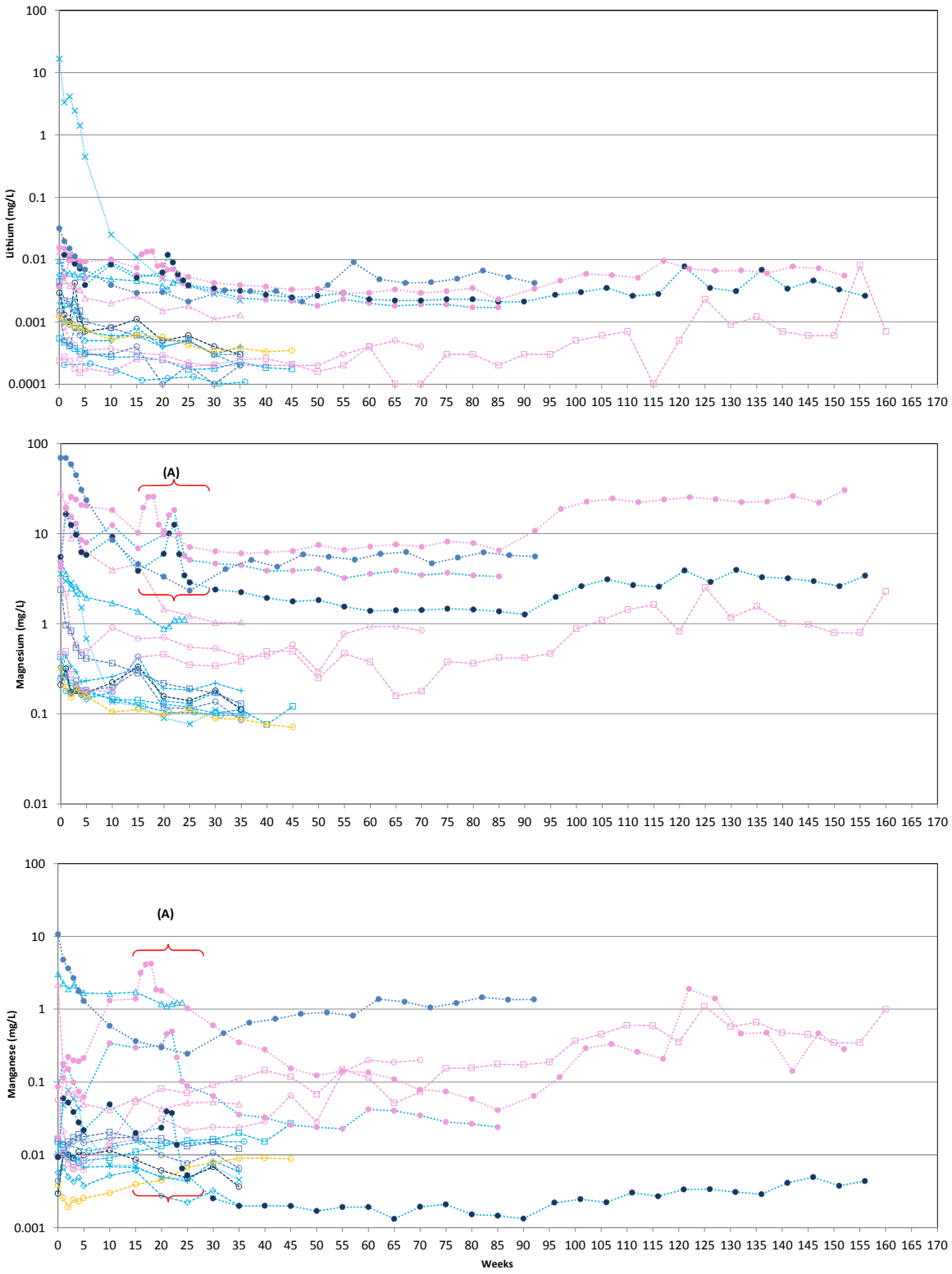
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 7



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Lithium

Magnesium

Manganese

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

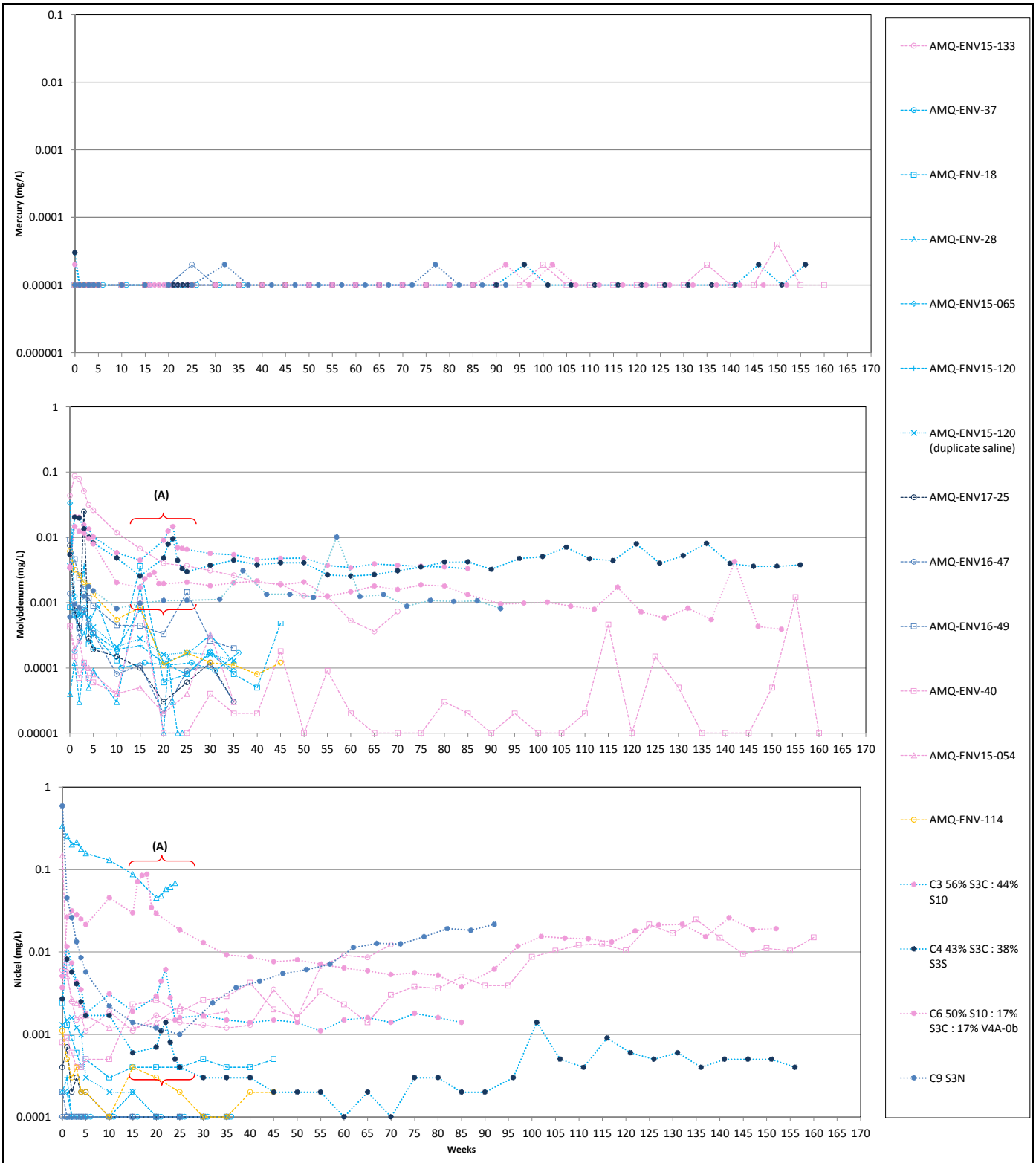
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 8



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Mercury

Molybdenum

Nickel

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

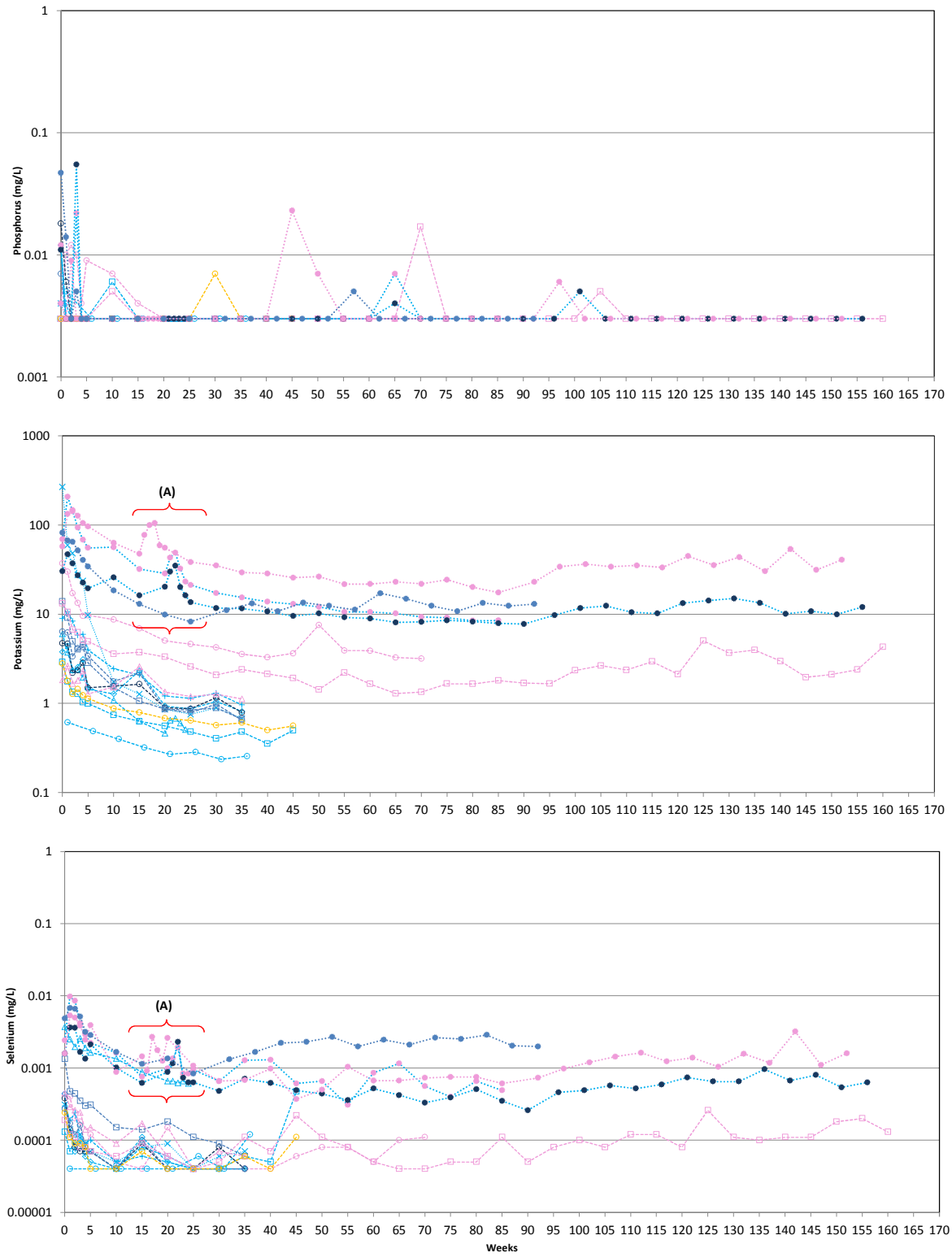
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 9



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Phosphorus

Potassium

Selenium

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

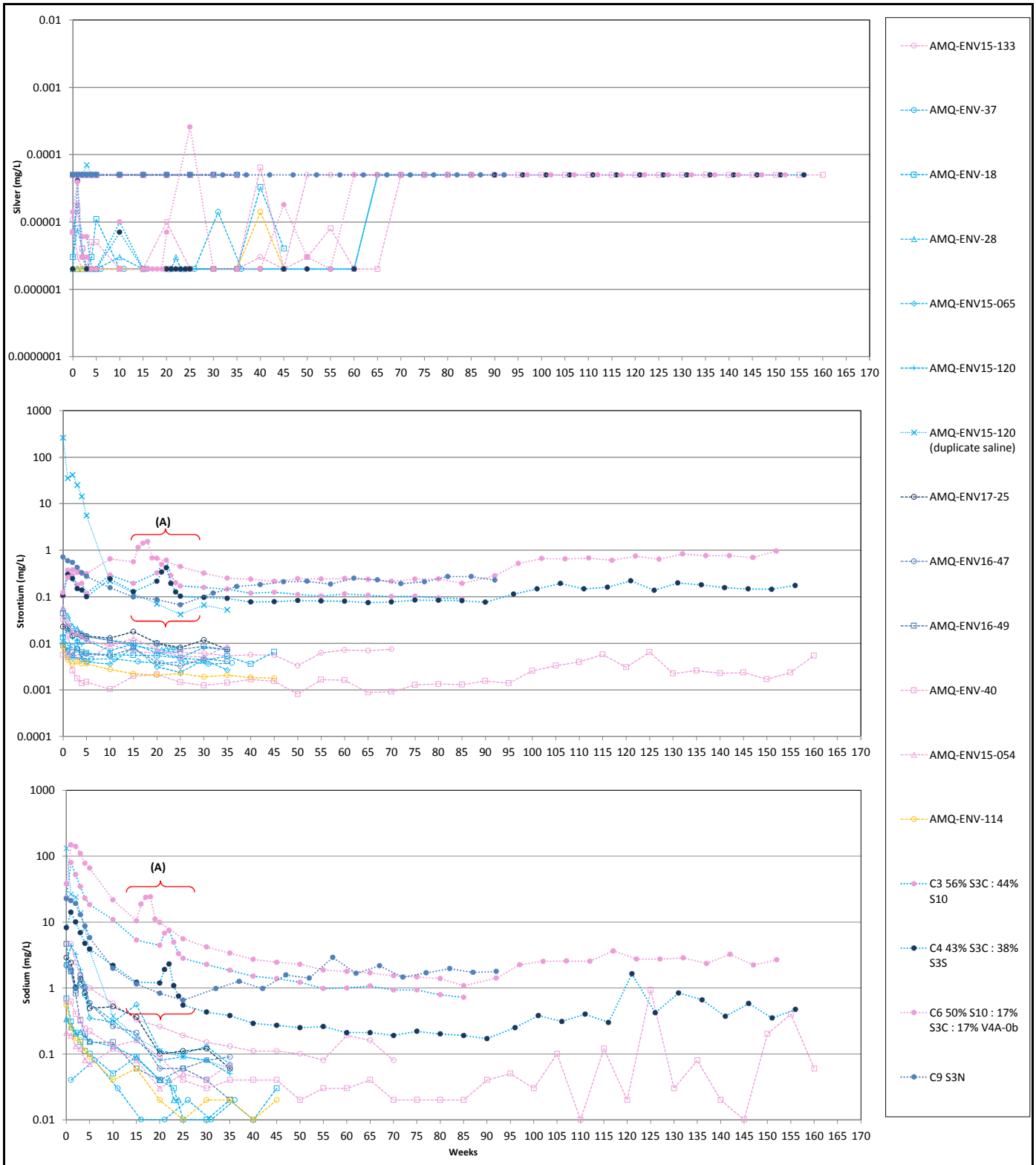
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 10



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Silver

Strontium

Sodium

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

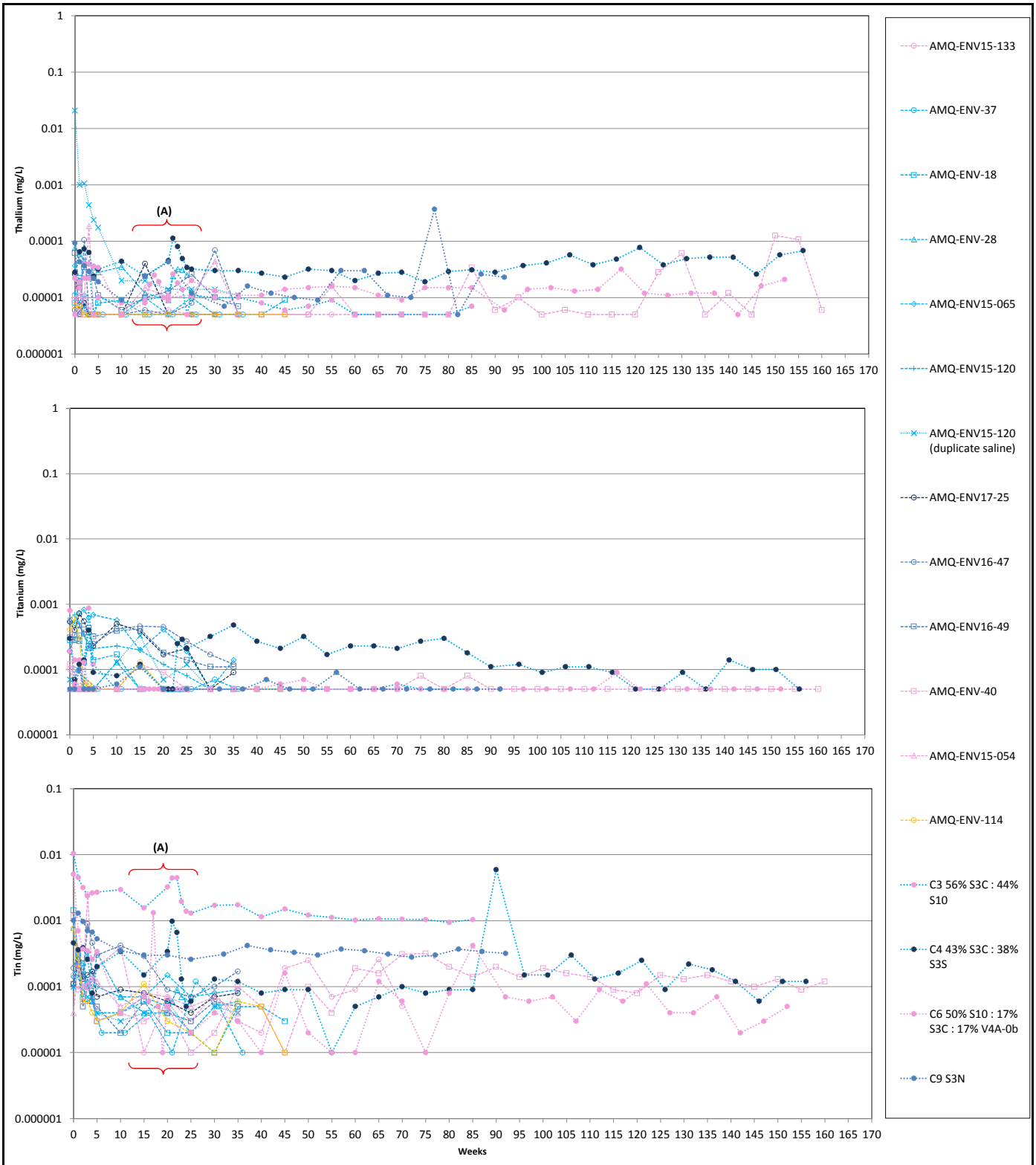
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 11



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Thallium

Titanium

Tin

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

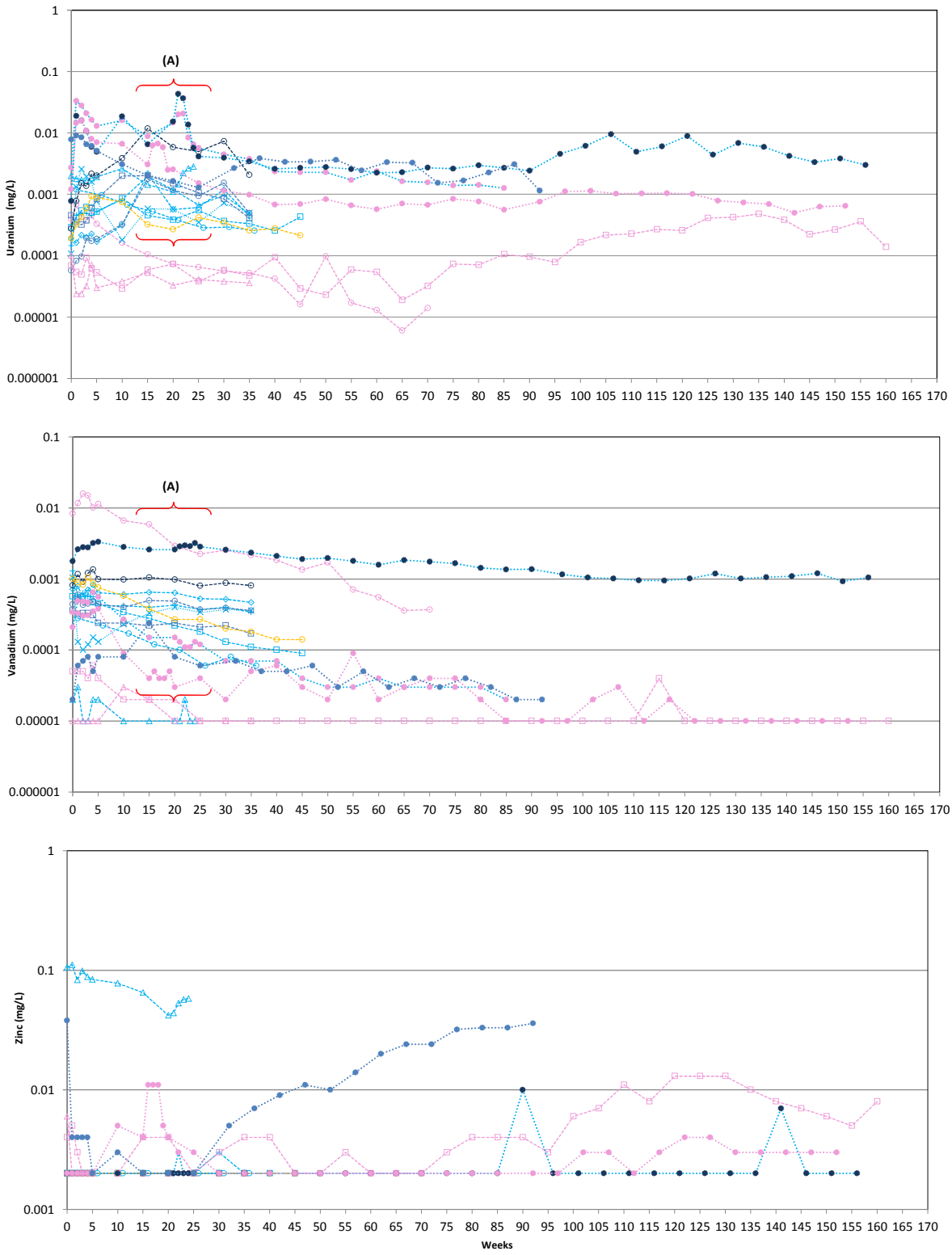
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 12



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Uranium

Vanadium

Zinc

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

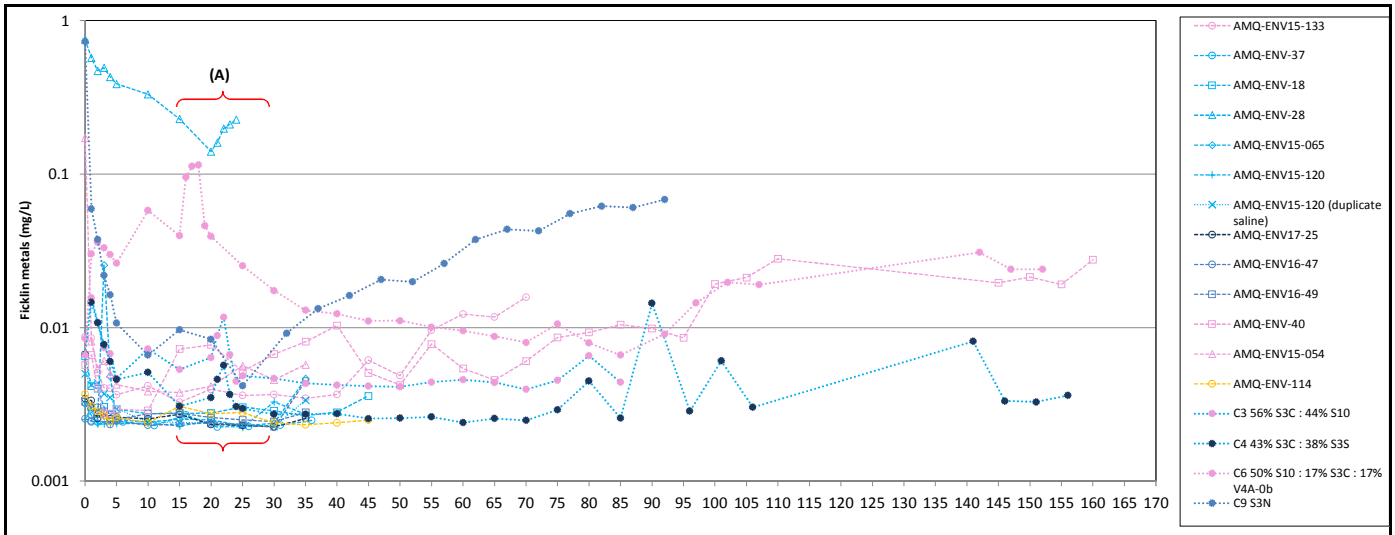
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 13



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Chert Central (S10)

Diorite South (I2)

Greywacke Central (S3C)

Greywacke South (S3S)

Greywacke North (S3N)

*Mixed lithology LC: symbol colour indicates major; line colour indicates minor rock type

Ficklin Metals

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

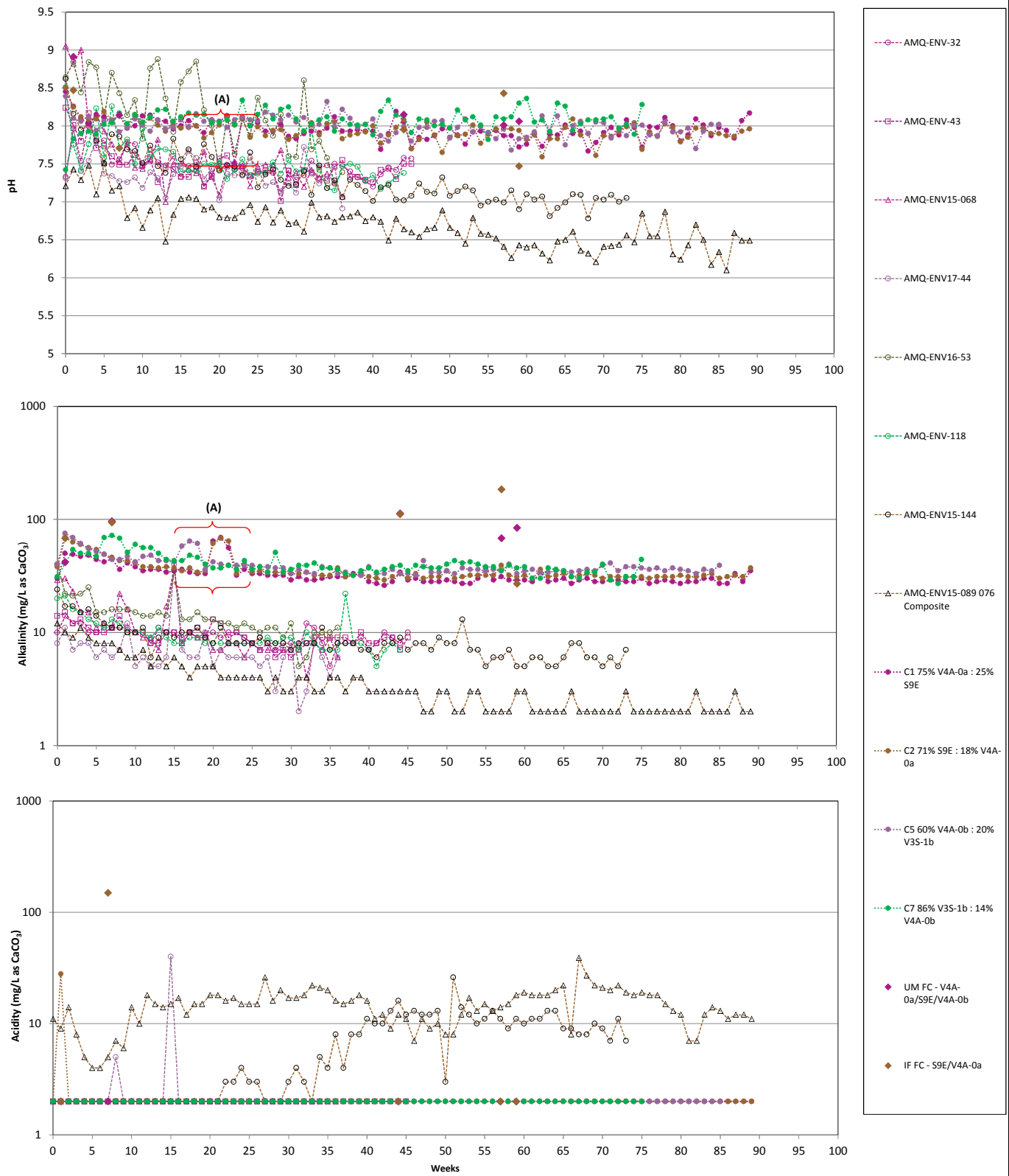
Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 14



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

pH
Alkalinity
Acidity

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

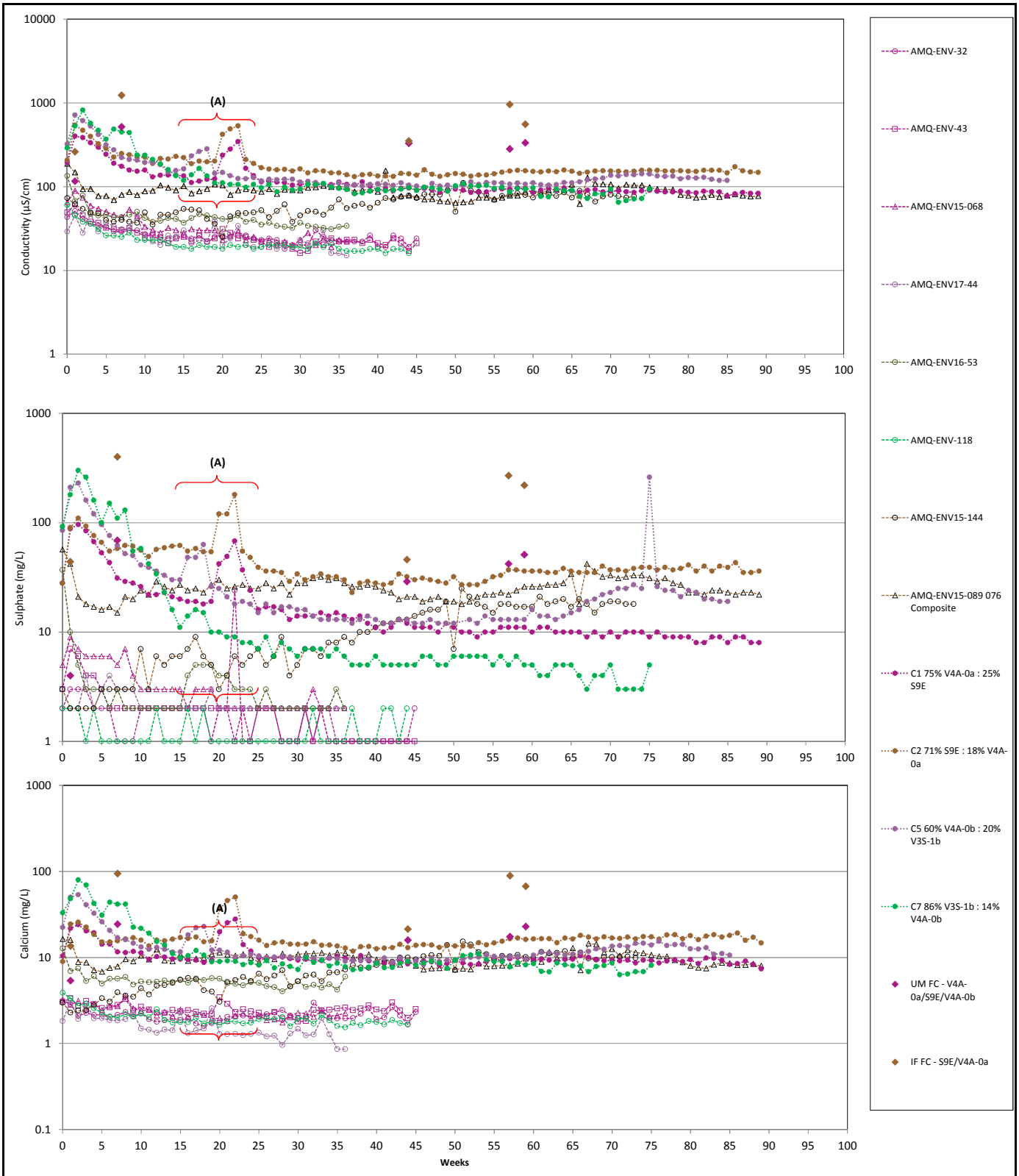
Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 15

https://golderassociates.sharepoint.com/sites/19830g/9200_Geochemistry/Report/RevC/Excel Files/Kinetic/2-Amaruq_Kinetic_Figs.xlsx



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Conductivity
Sulphate
Calcium

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

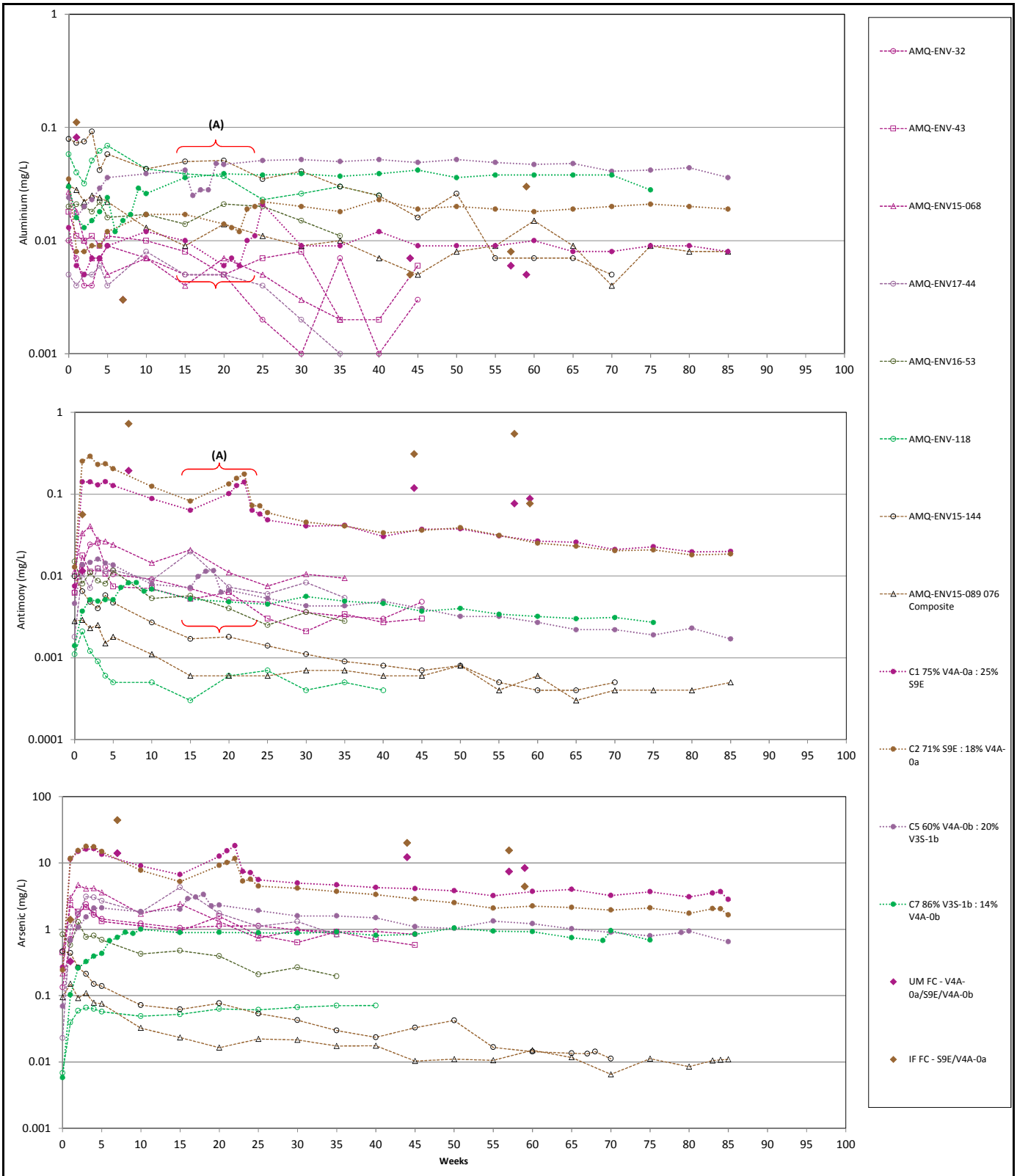
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 16



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Aluminum
Antimony
Arsenic

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

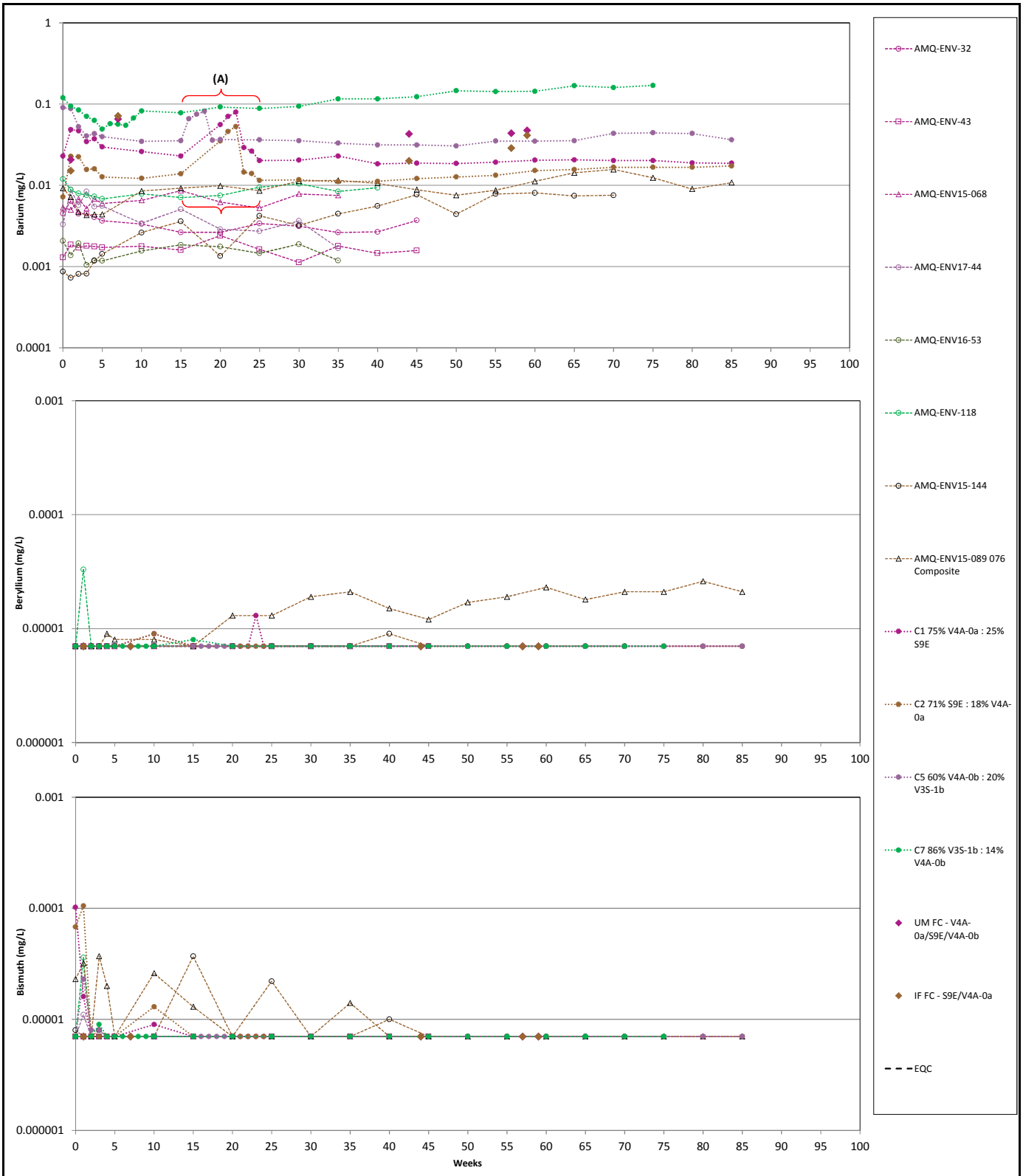
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 17



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Barium
Beryllium
Bismuth

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

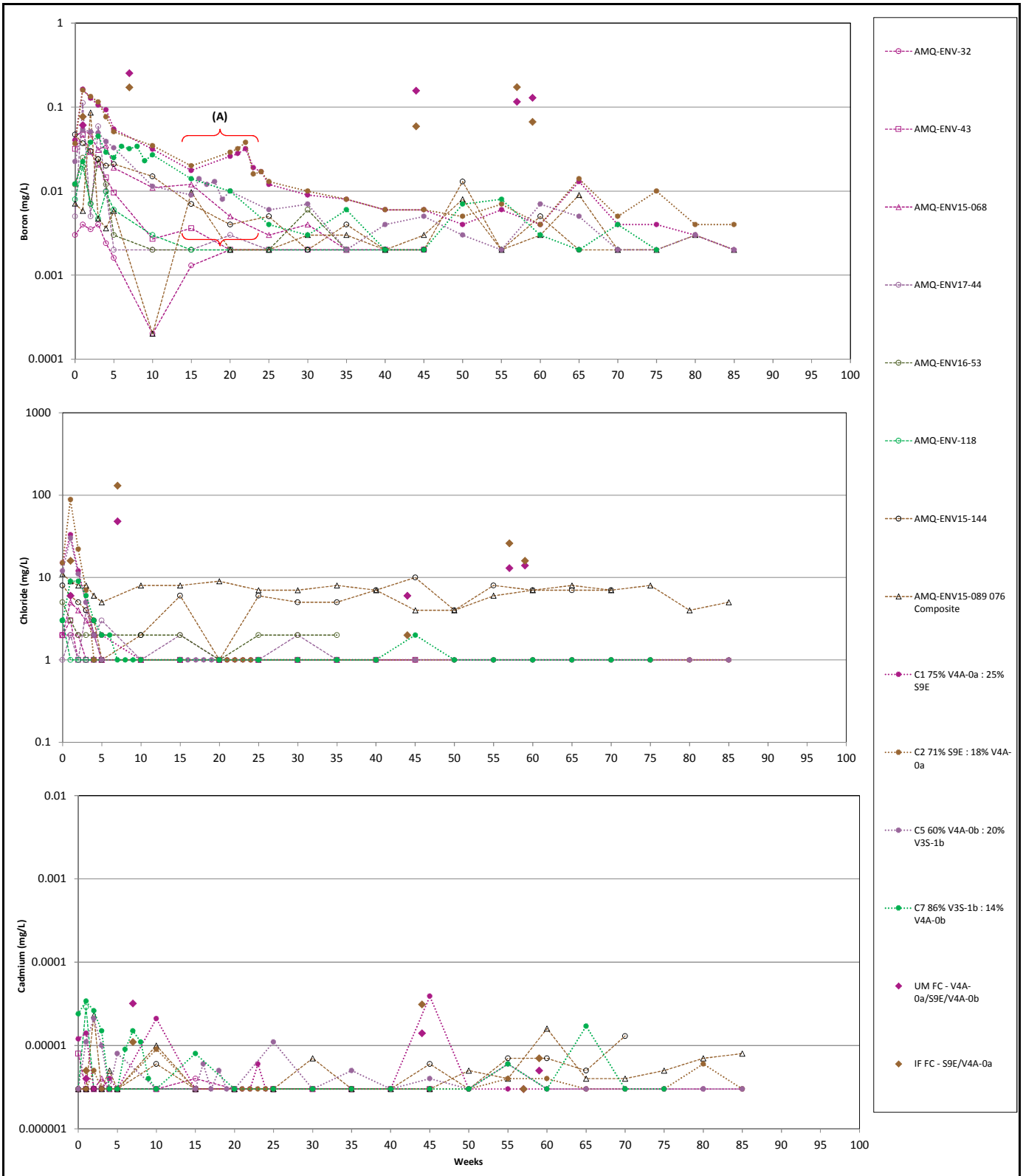
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 18



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Boron
Chloride
Cadmium

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

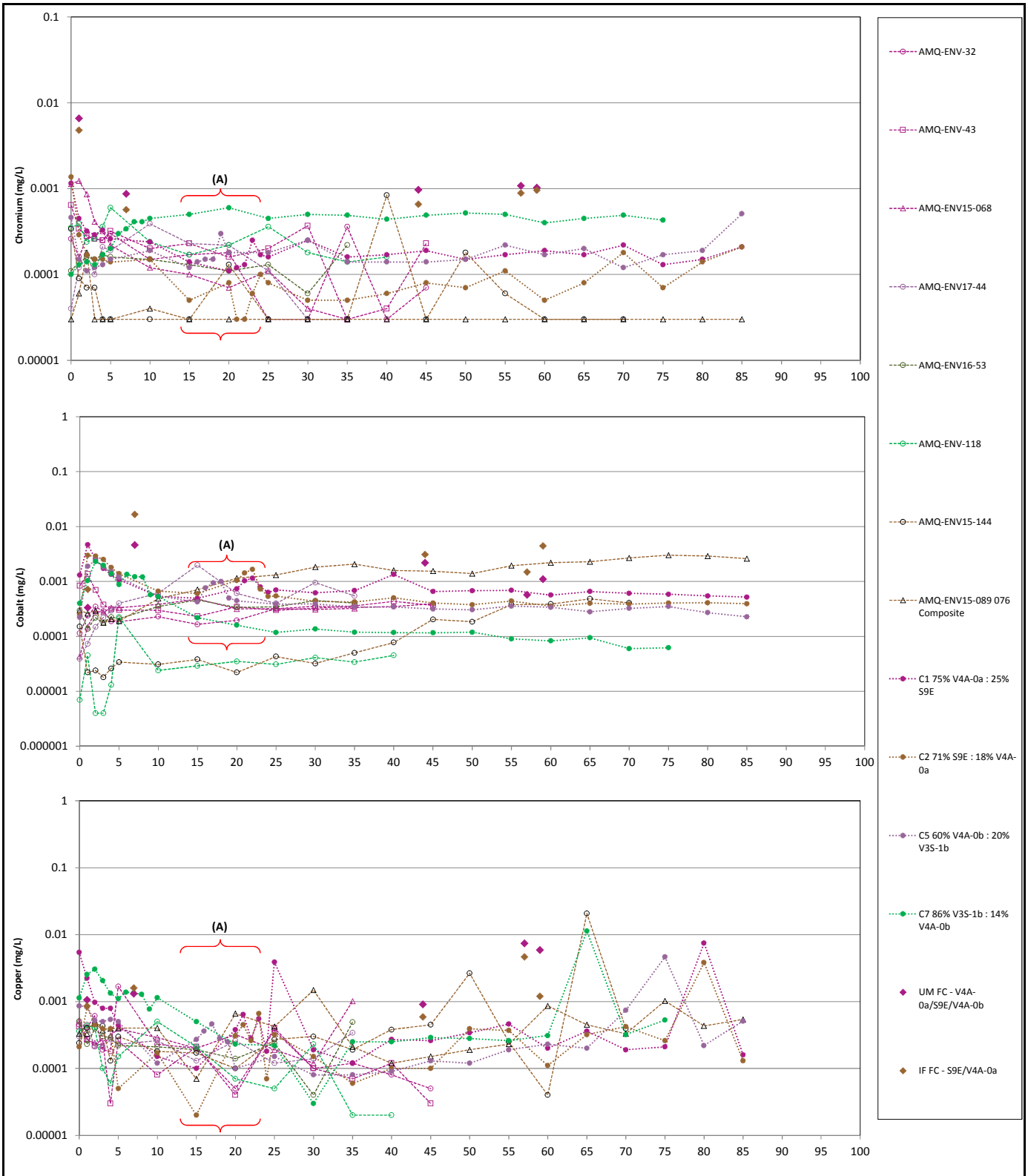
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 19



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Chromium
Cobalt
Copper

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

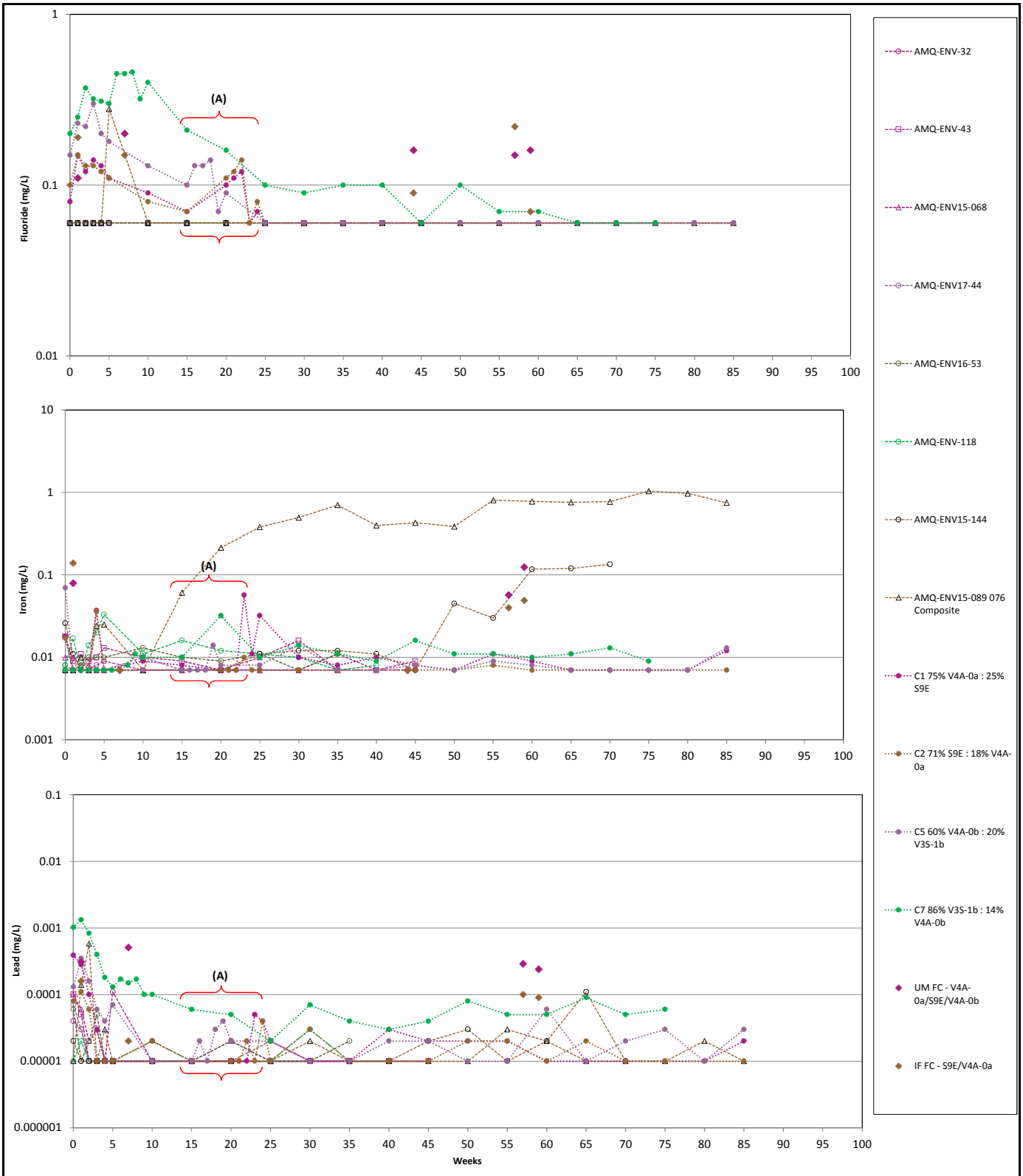
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 20



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Fluoride
Iron
Lead

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

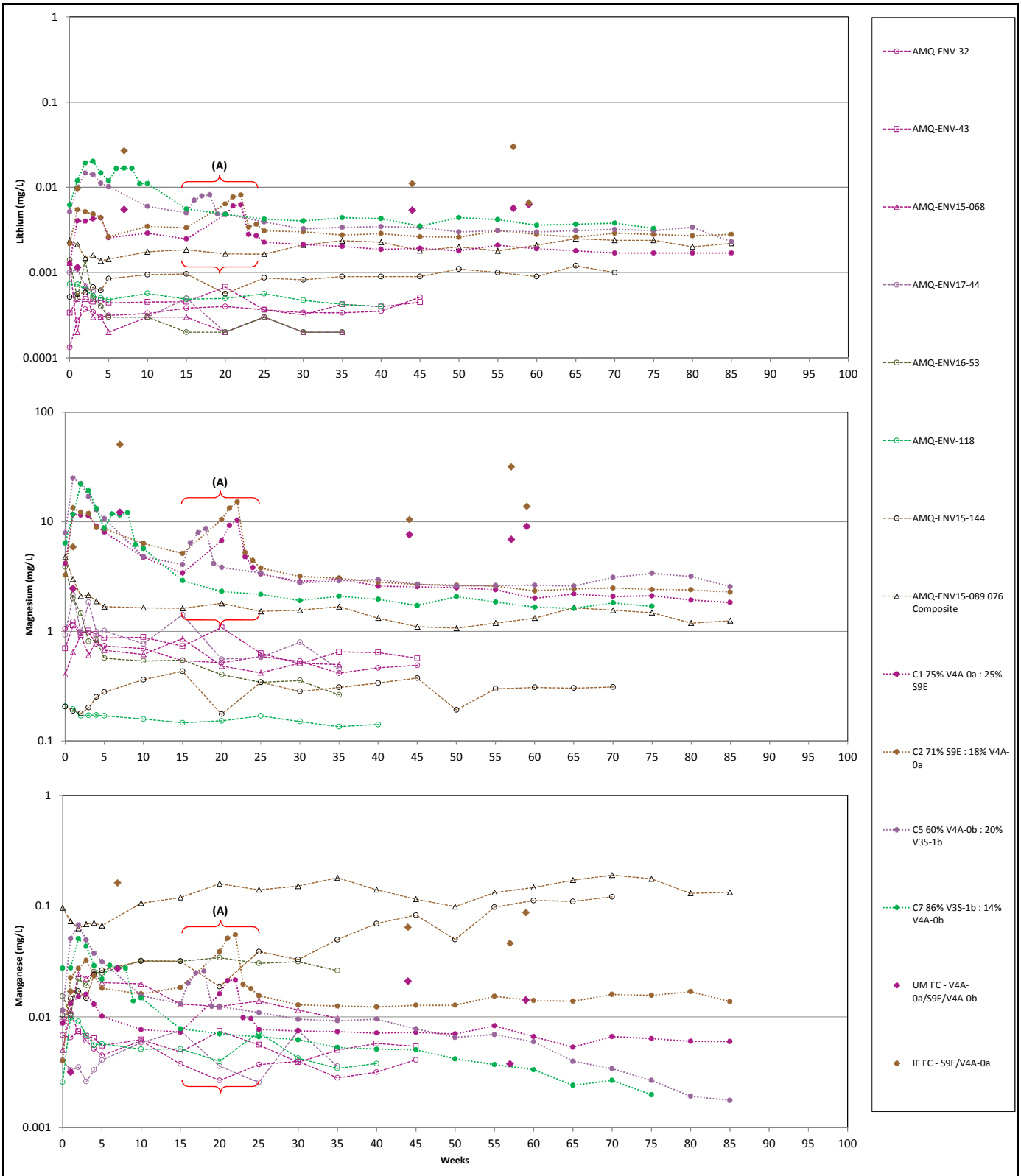
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 21



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

- 250-335 kg Field Cell (FC)
- 1 kg HCT
- 40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Basalt North (V3N)
- Basalt South (V3S)
- Iron Formation (S9E)

Lithium
Magnesium
Manganese

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

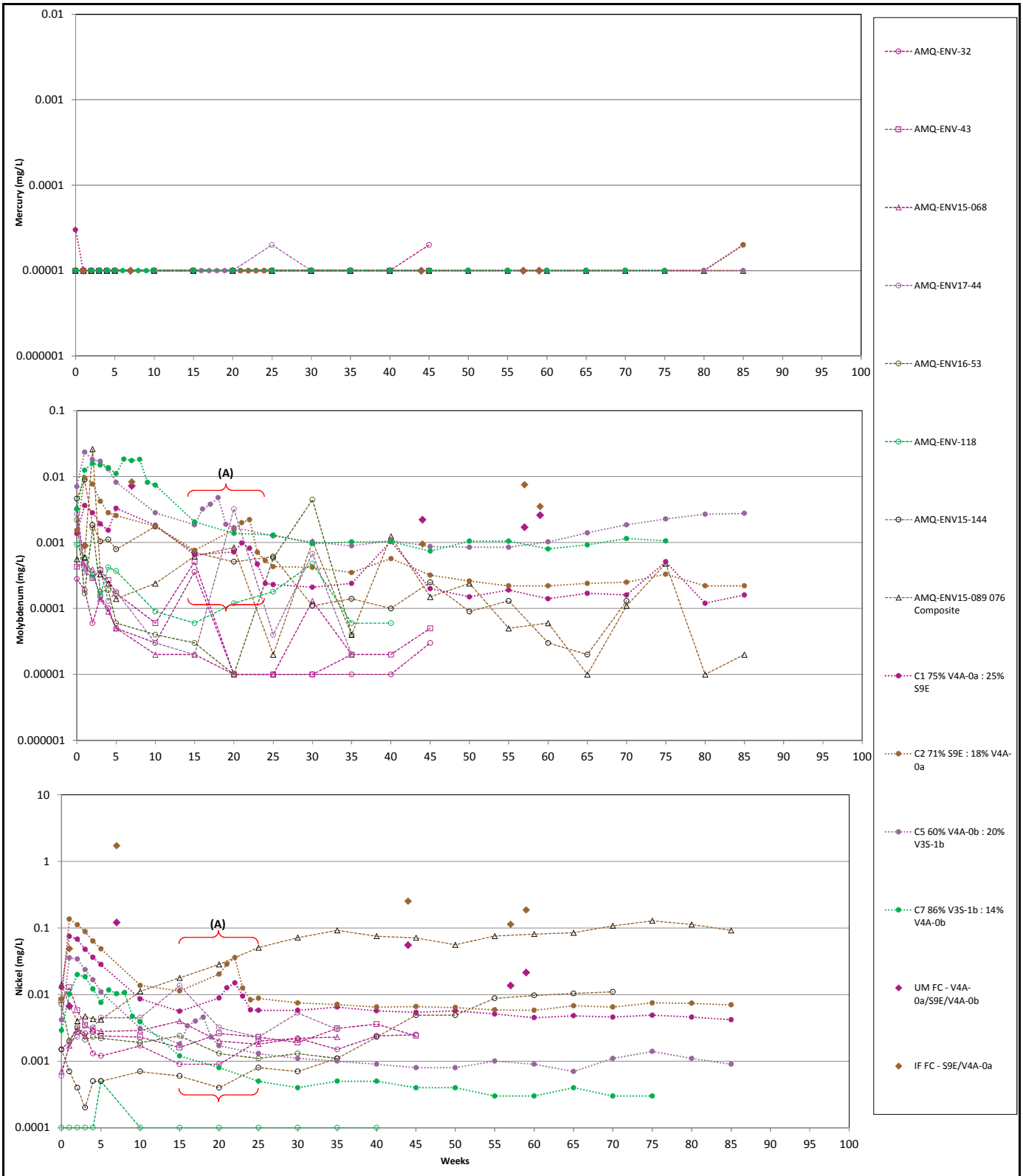
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 22



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

- 250-335 kg Field Cell (FC)
- 1 kg HCT
- 40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Basalt North (V3N)
- Basalt South (V3S)
- Iron Formation (S9E)

Mercury
Molybdenum
Nickel

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

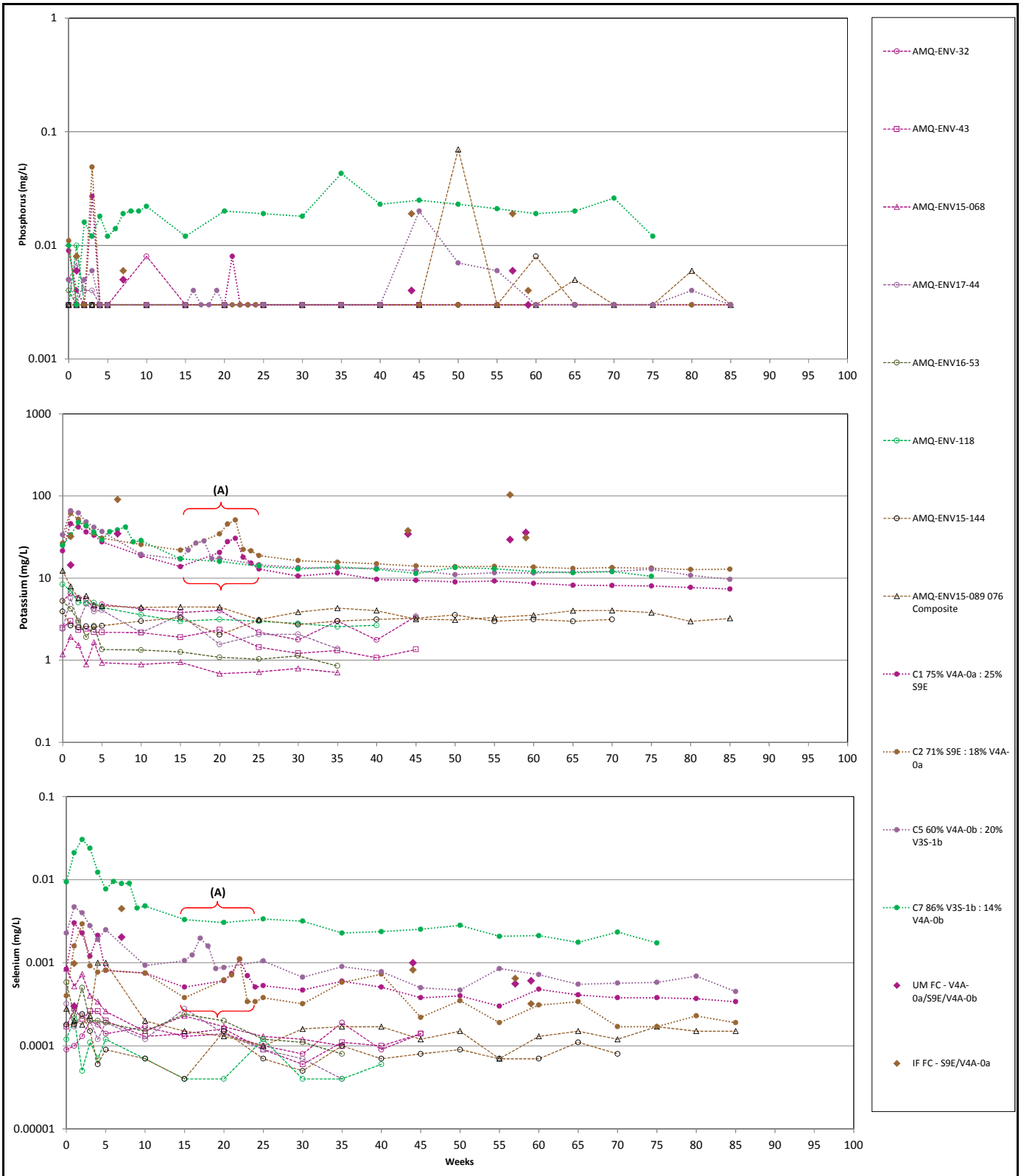
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 23



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

- 250-335 kg Field Cell (FC)
- 1 kg HCT
- 40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Basalt North (V3N)
- Basalt South (V3S)
- Iron Formation (S9E)

Phosphorus
Potassium
Selenium

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

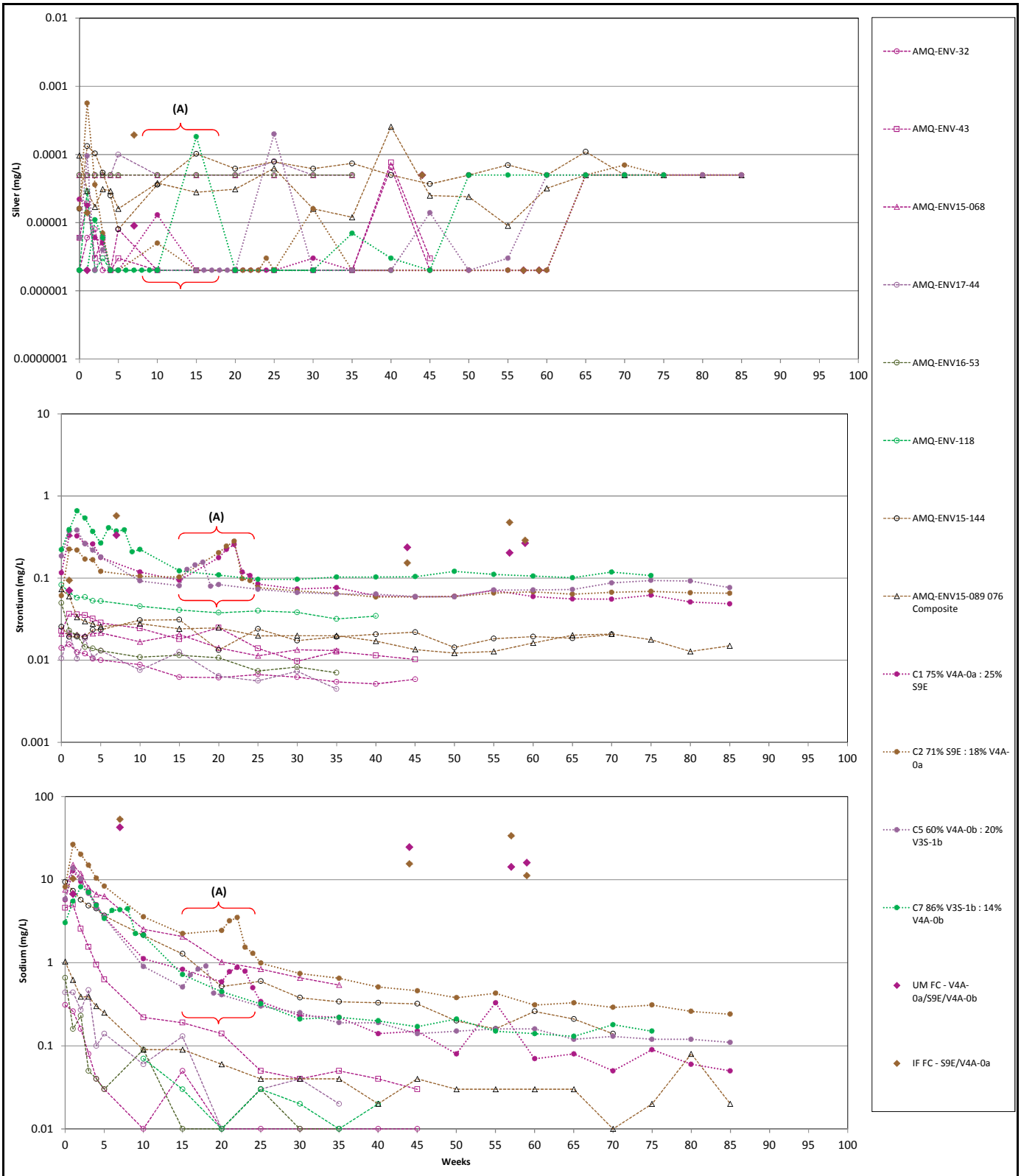
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 24



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Silver
Strontium
Sodium

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

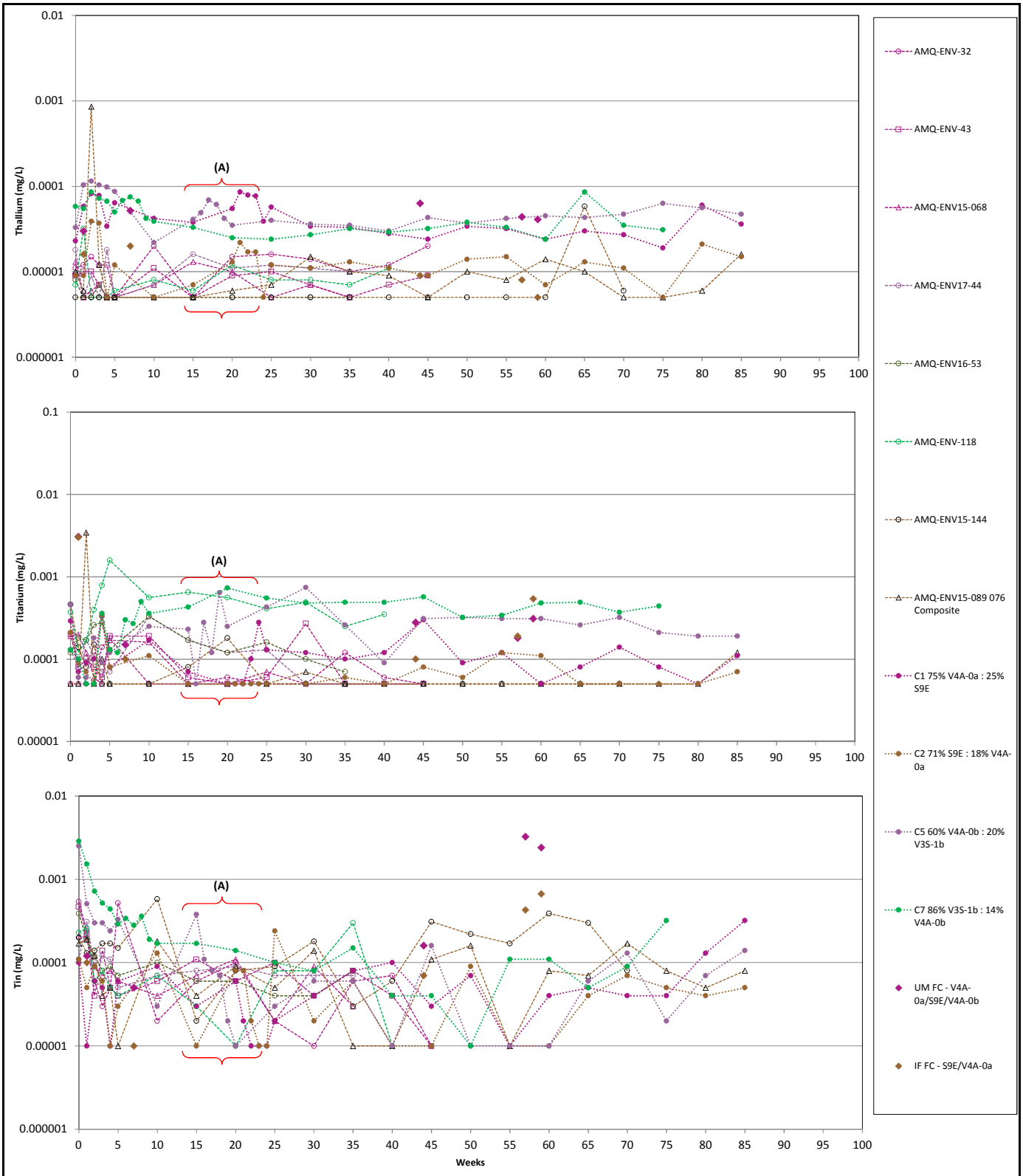
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

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APPENDIX FIGURE G- 25



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Thallium
Titanium
Tin

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

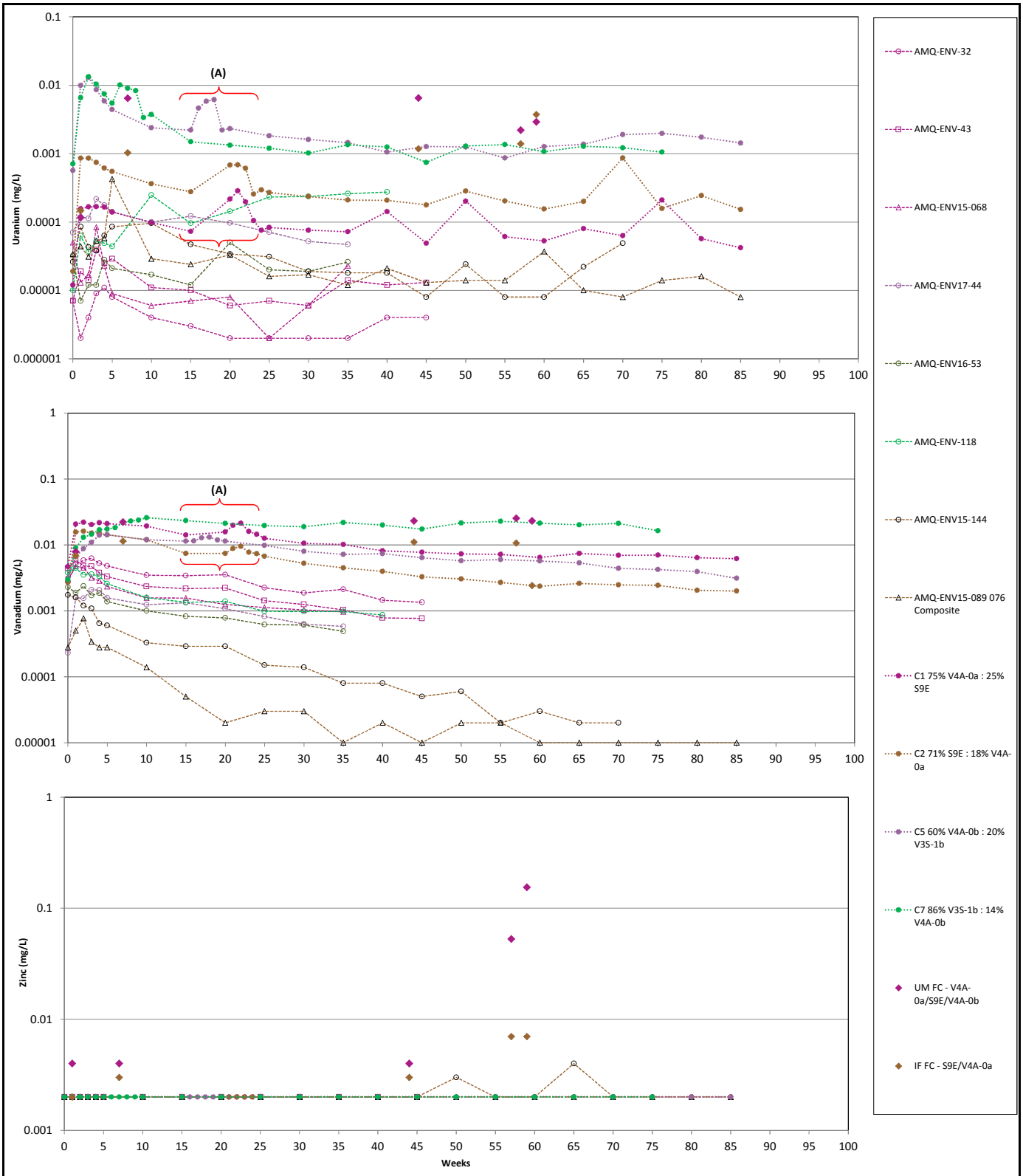
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 26



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Uranium
Vanadium
Zinc

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

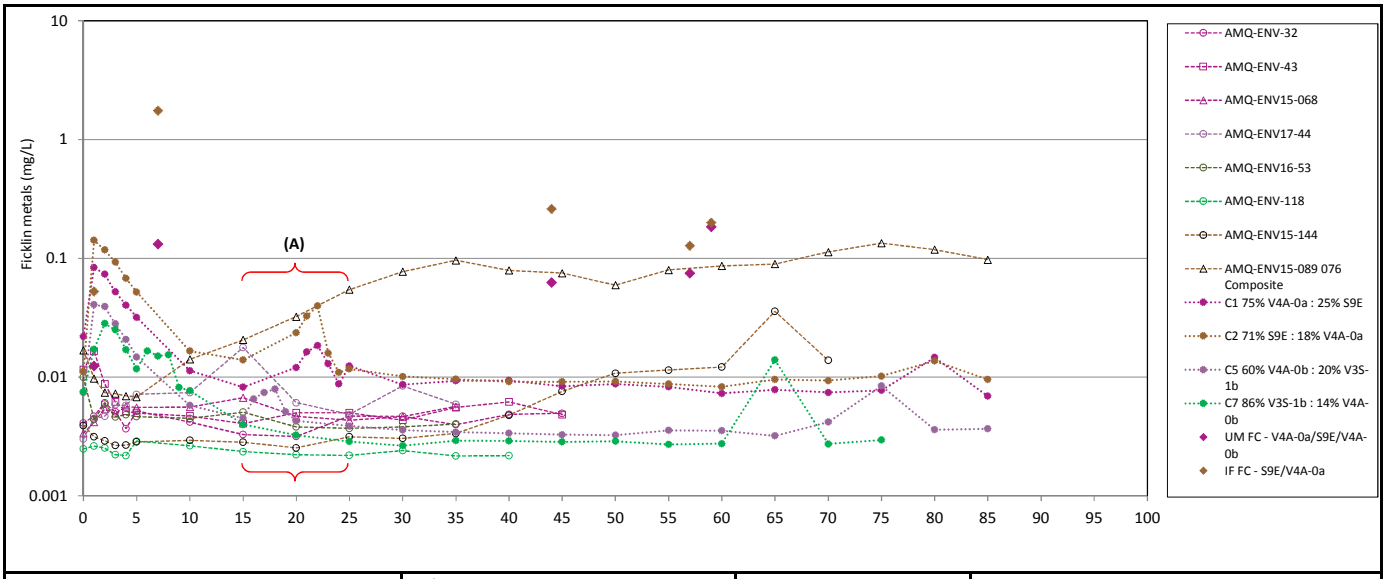
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 27



Notes:

(A) Modified Flush Cycle to Simulate Drying/Wetting (3 weeks 750 mL, followed by one-week 5:1 solid to liquid ratio)

250-335 kg Field Cell (FC)

1 kg HCT

40-60 kg Column (LC)

Values < MDL are plotted as MDL value

Rock Type:

Black outline indicates Ore sample

Komatiite North (V4A-0a)

Komatiite South (V4A-0b)

Basalt North (V3N)

Basalt South (V3S)

Iron Formation (S9E)

Ficklin Metals

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

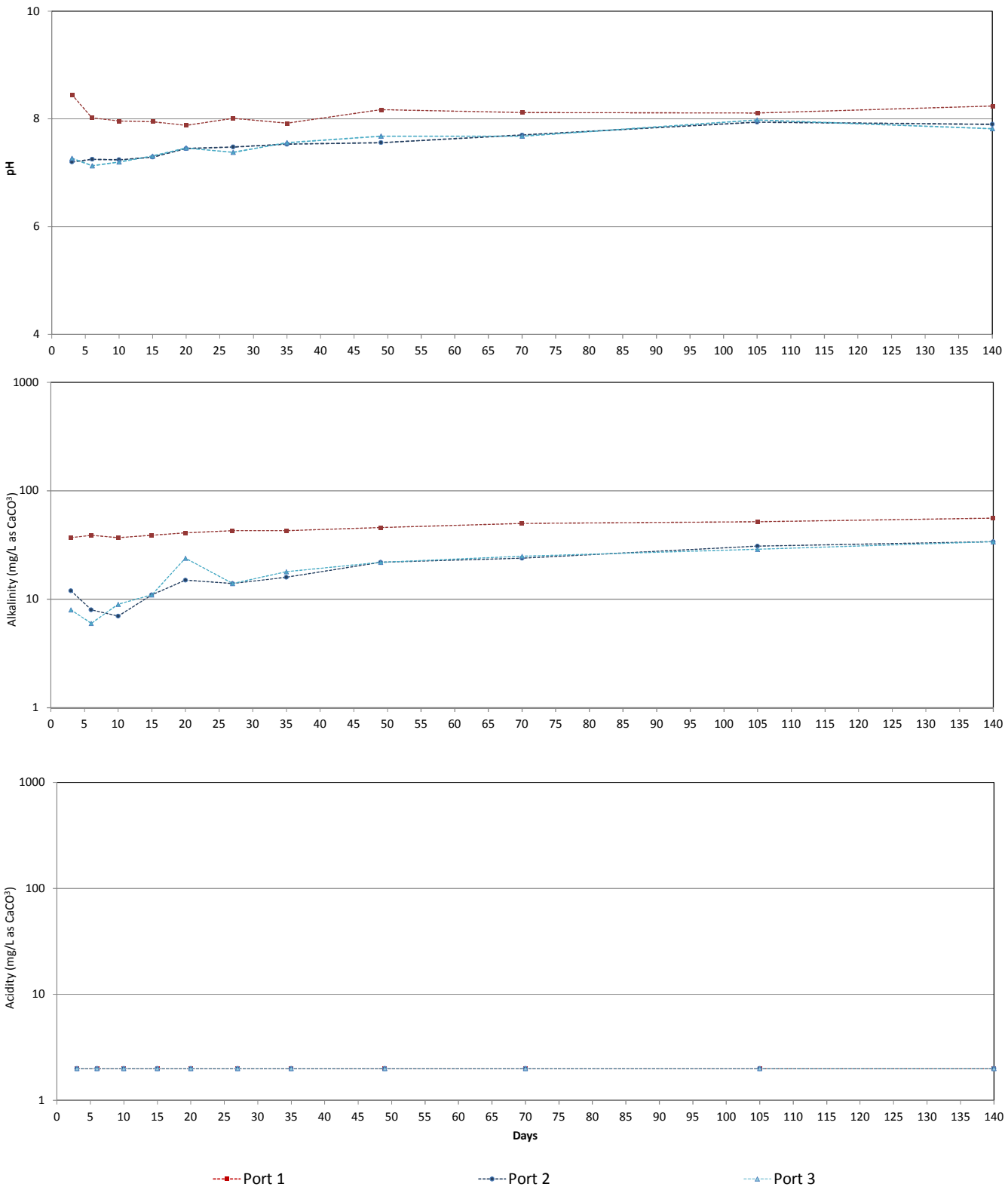
Kinetic Tests for Arsenic-Leachable Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE G- 28



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

pH
Alkalinity
Acidity

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

Submerged Column 8

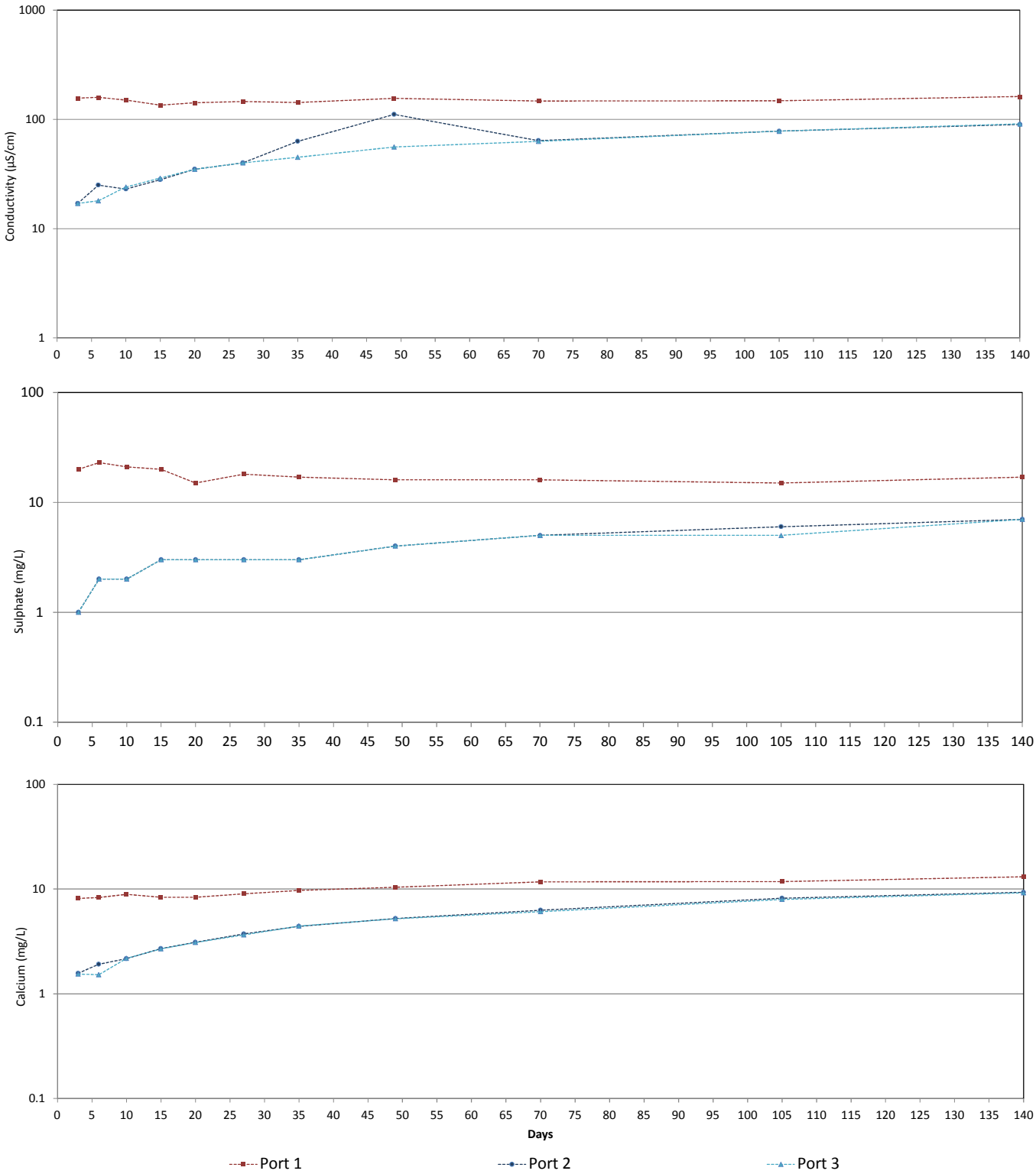
Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 29

https://golderassociates.sharepoint.com/sites/19830g/9200_Geochemistry/Report/RevC/Excel Files/Kinetic/Amaruq_Kinetic_SubCol_C8.xlsx



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Conductivity
Sulphate
Calcium

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

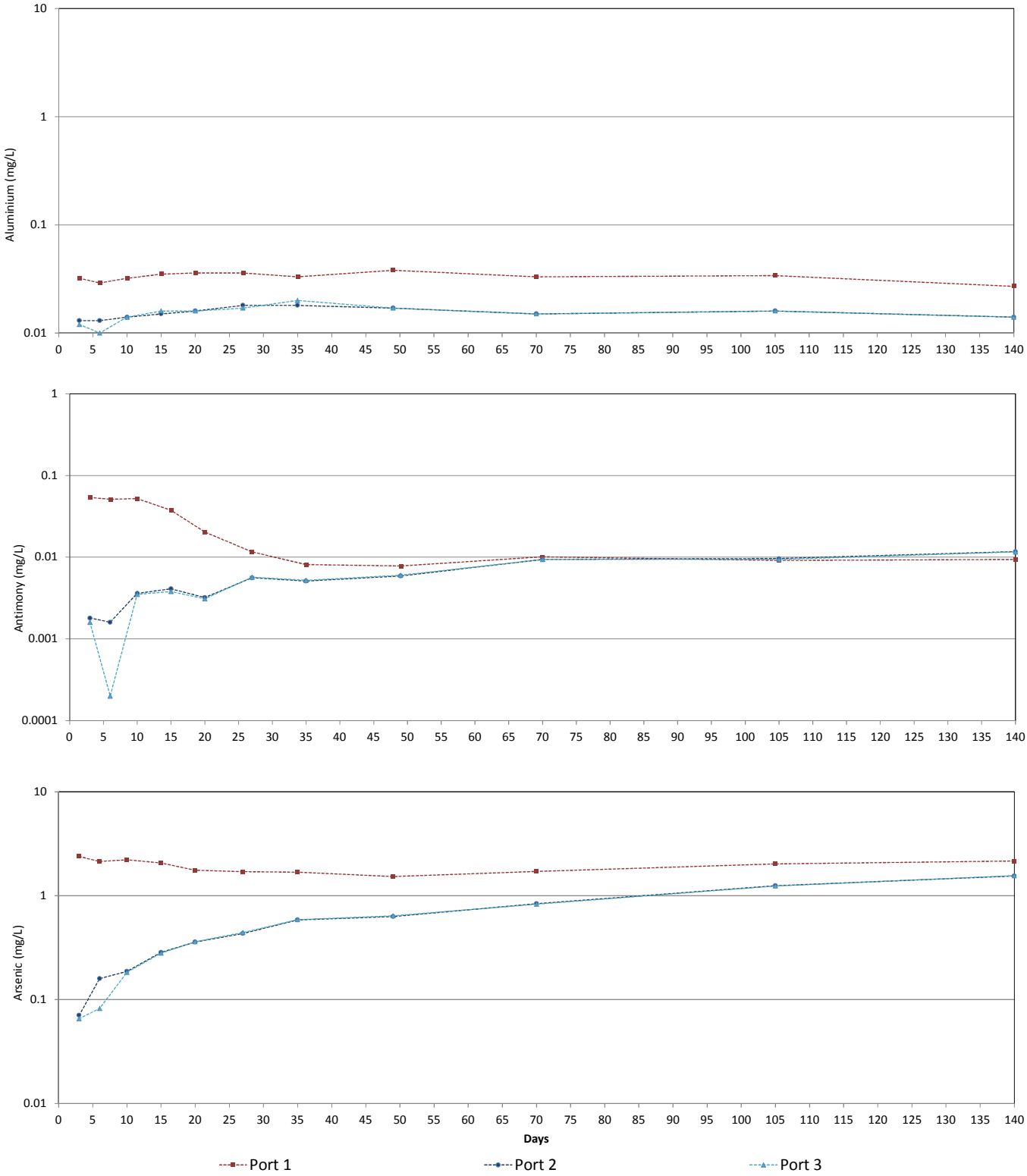
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 30



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Aluminum
Antimony
Arsenic

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

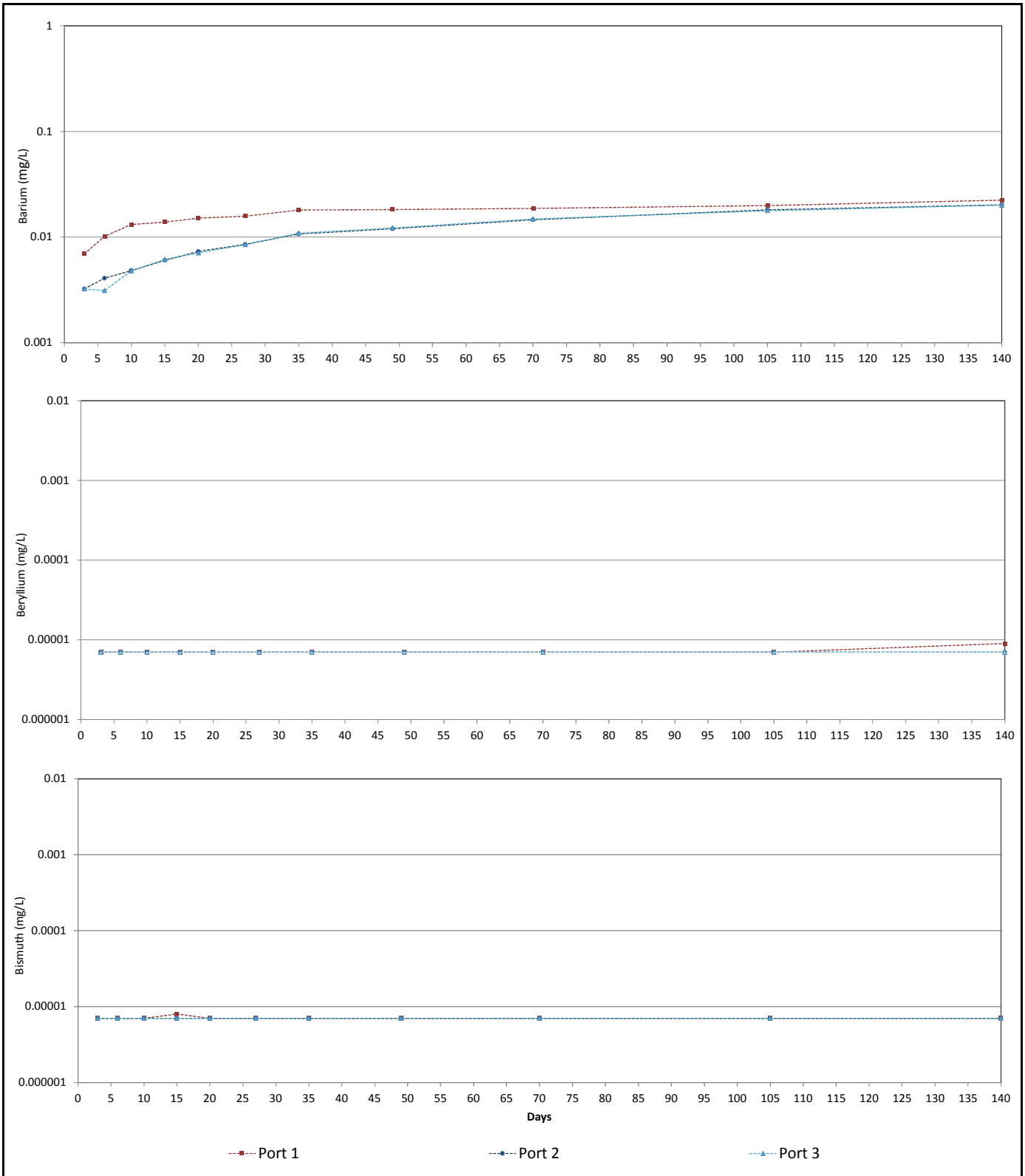
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 31



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Barium
Beryllium
Bismuth

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

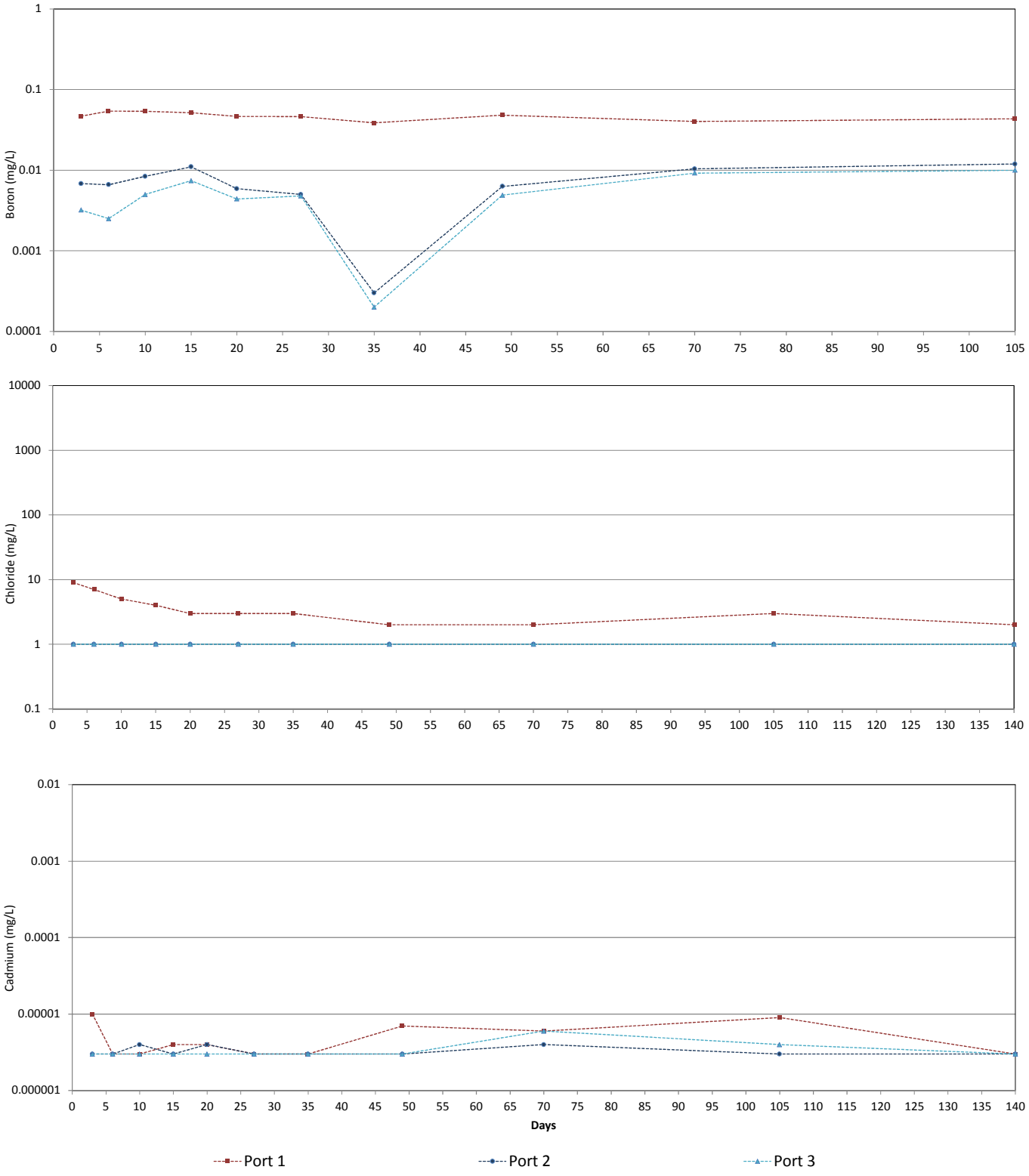
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 32



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Boron
Chloride
Cadmium

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

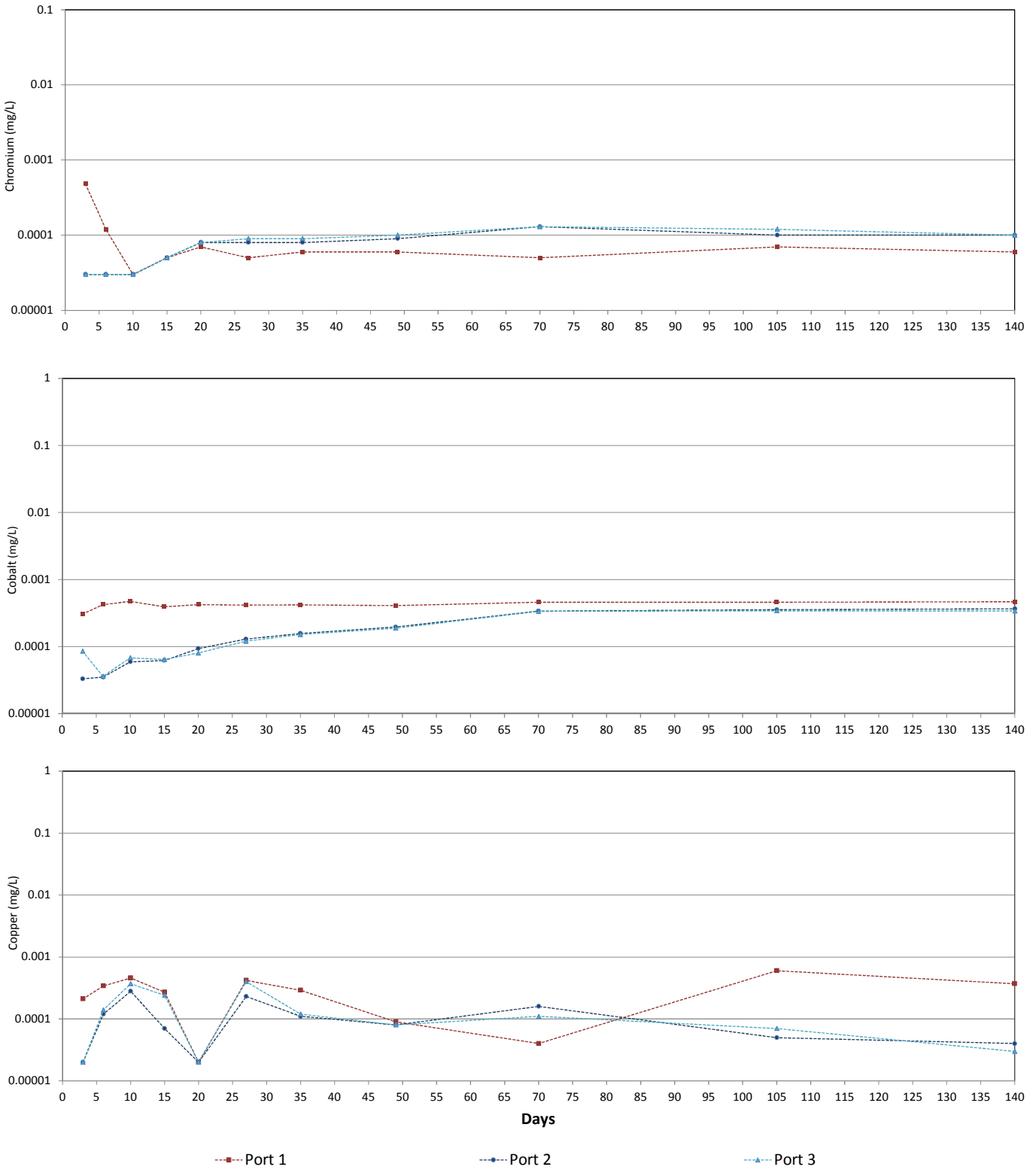
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 33



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Chromium
Cobalt
Copper

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

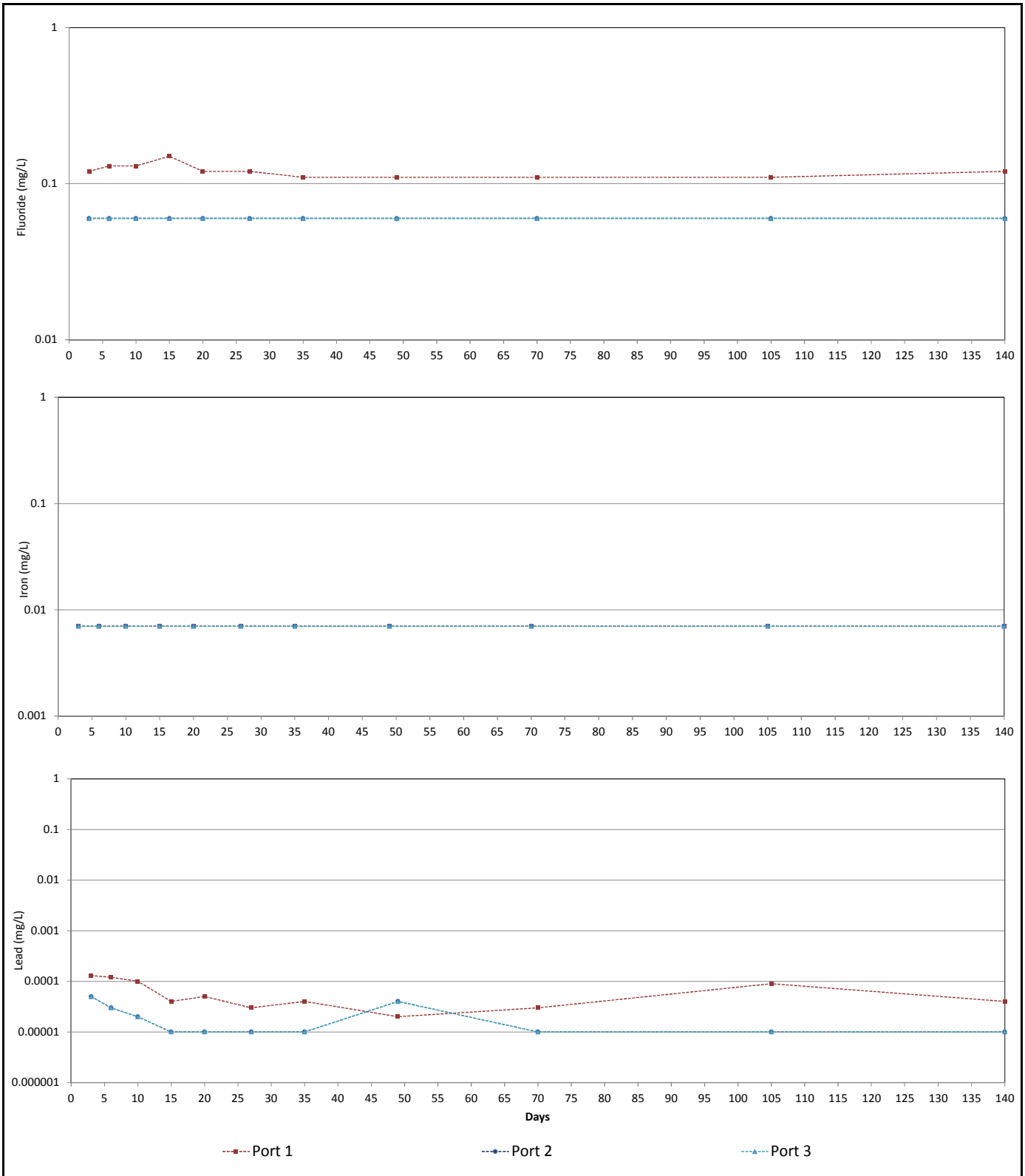
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 34



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Fluoride
Iron
Lead

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

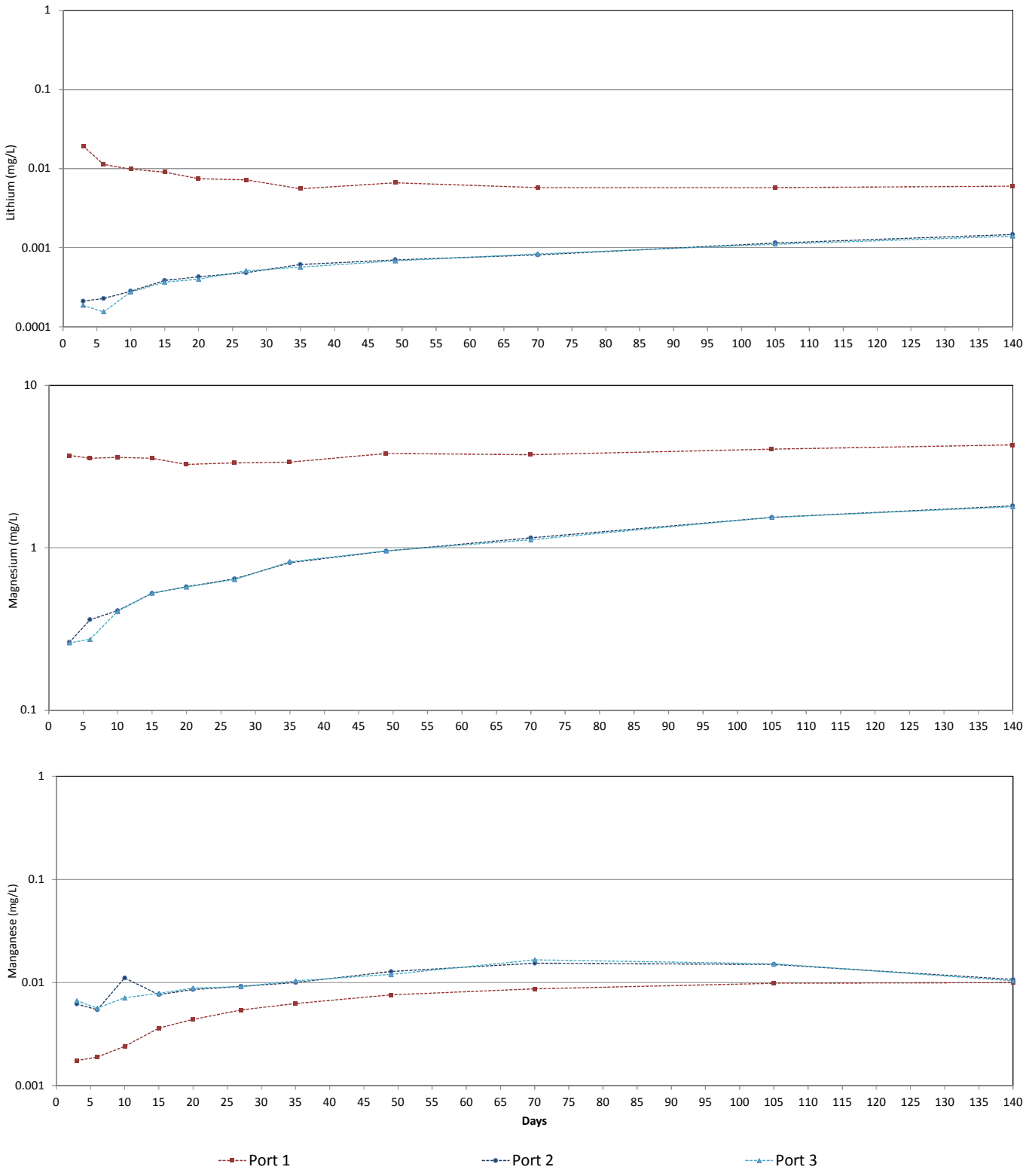
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 35



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Lithium
Magnesium
Manganese

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

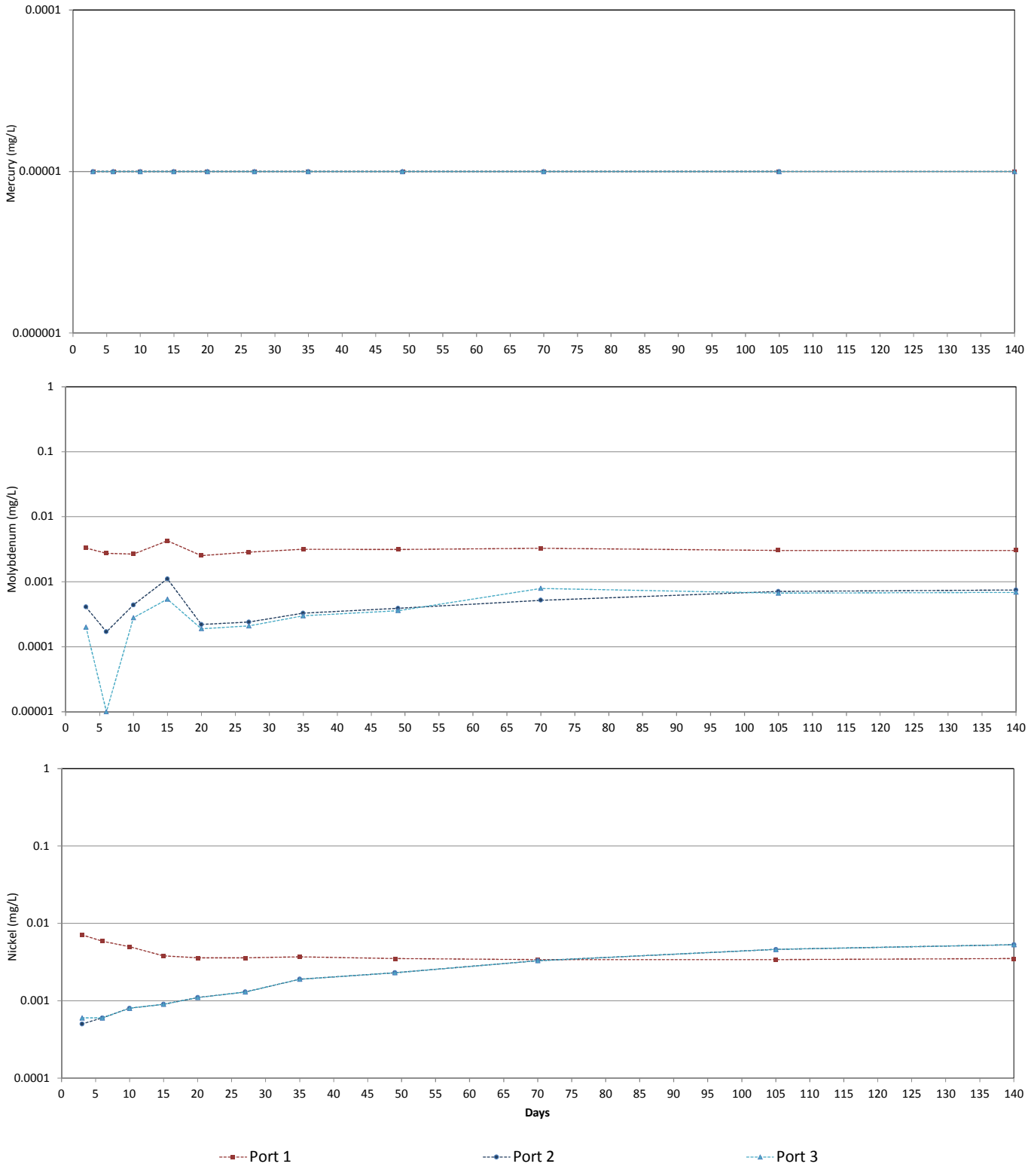
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 36



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Mercury
Molybdenum
Nickel

Submerged Column 8

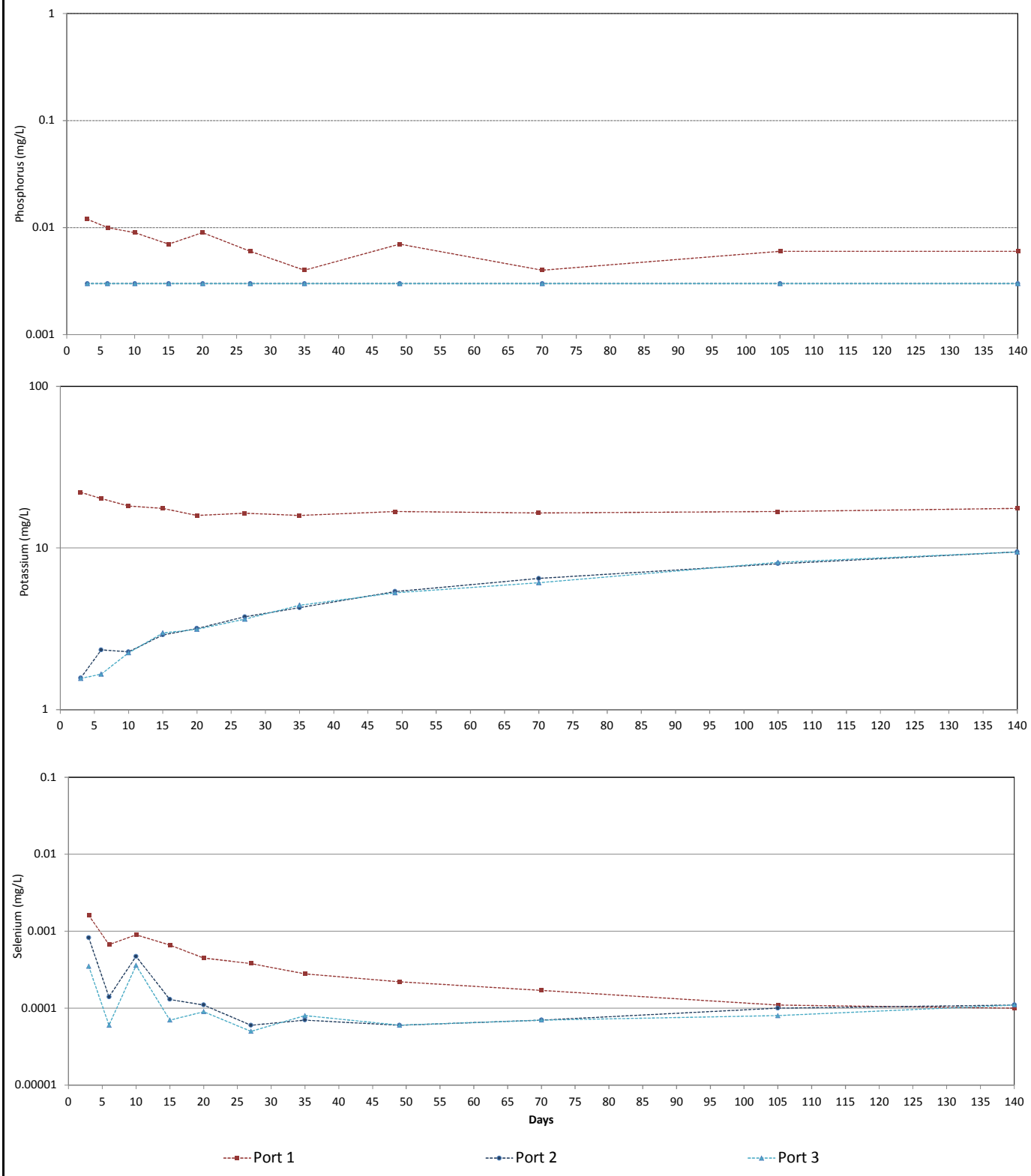
Whale Tail Pit Project

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 37



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Phosphorus
Potassium
Selenium

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

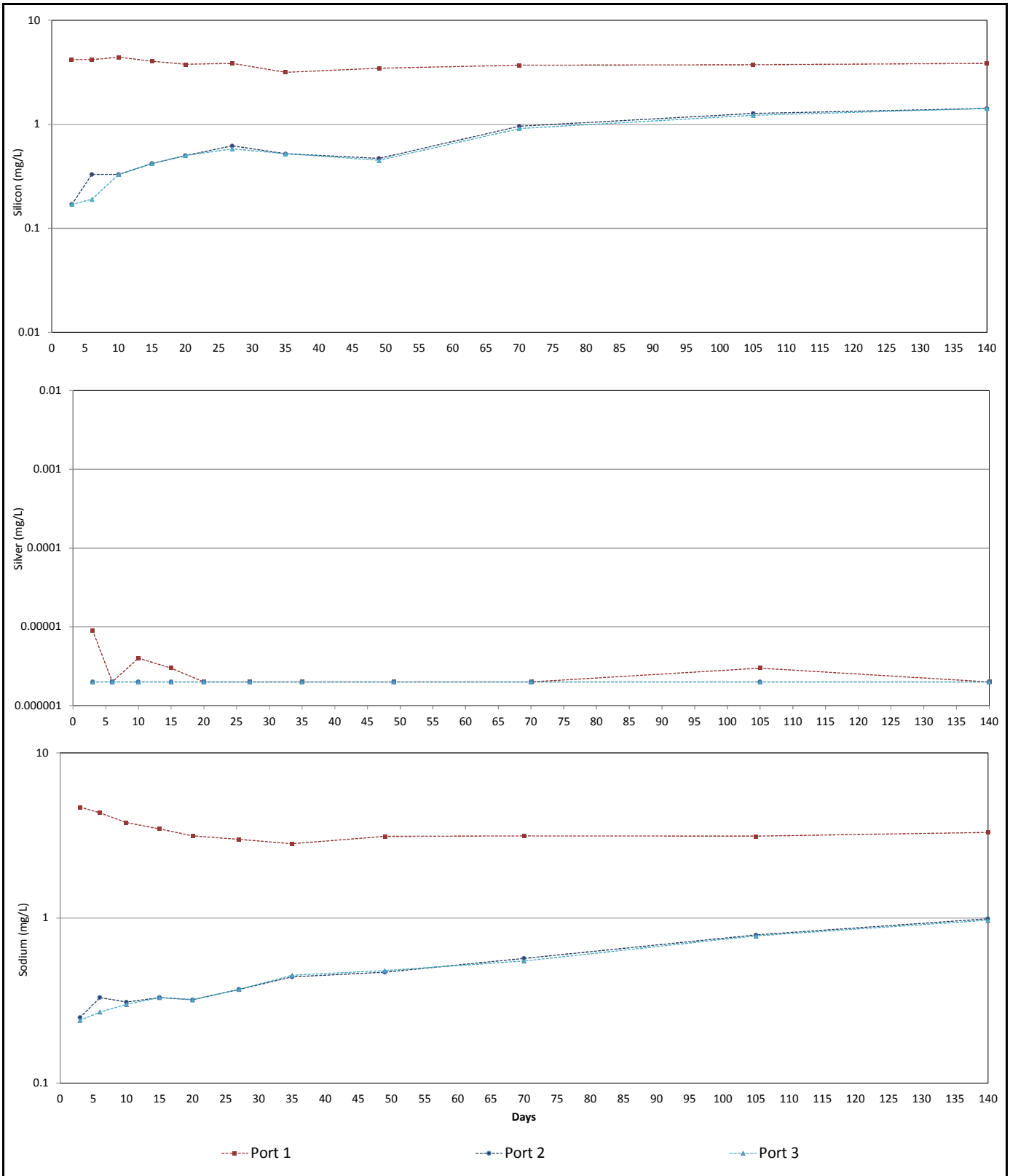
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 38



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Silicon
Silver
Sodium

Submerged Column 8

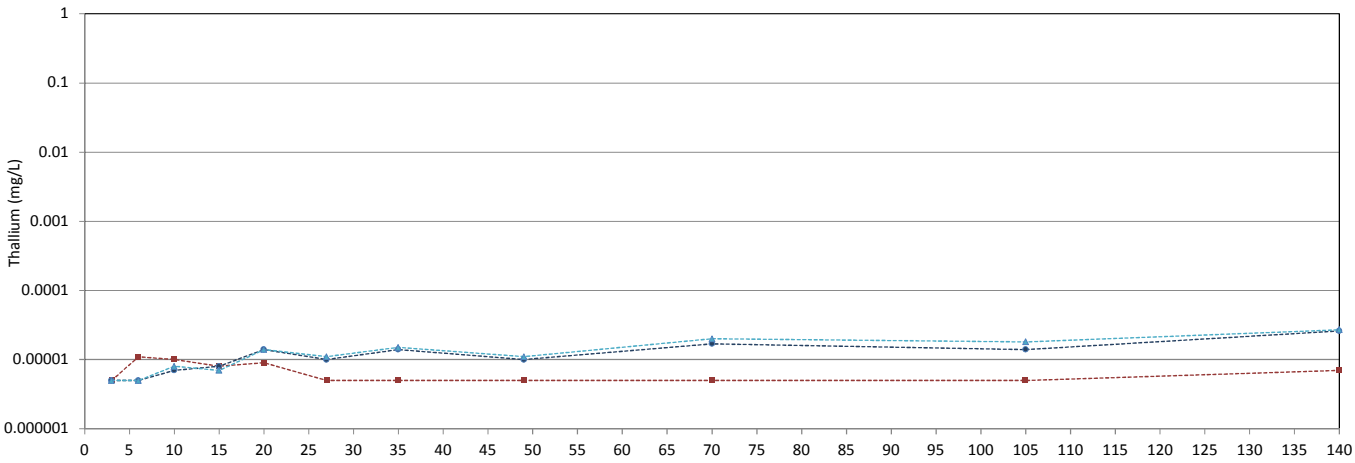
Whale Tail Pit Project

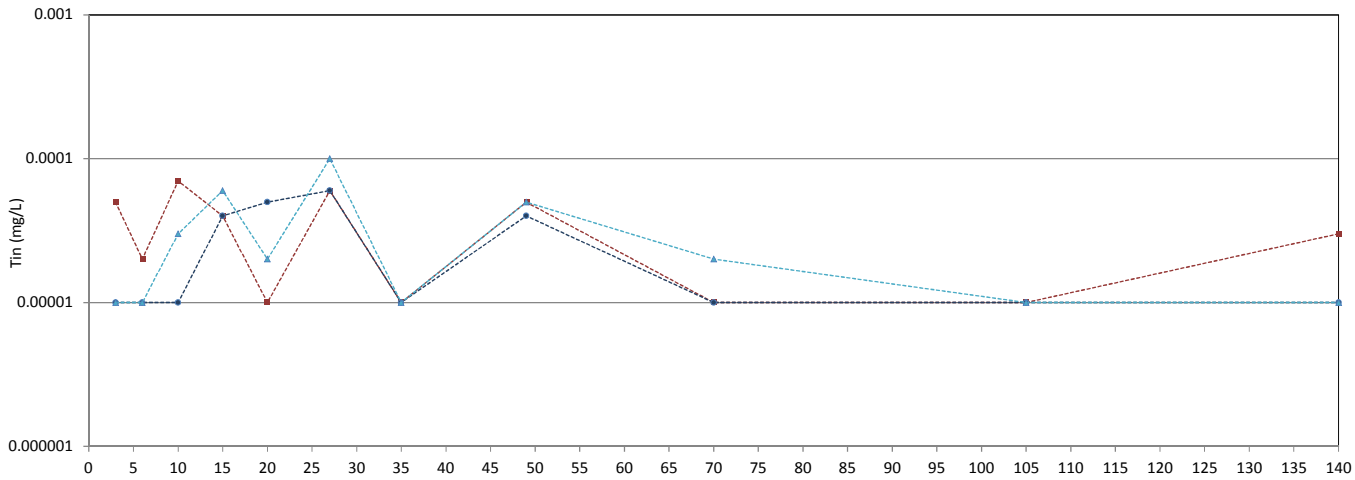
DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

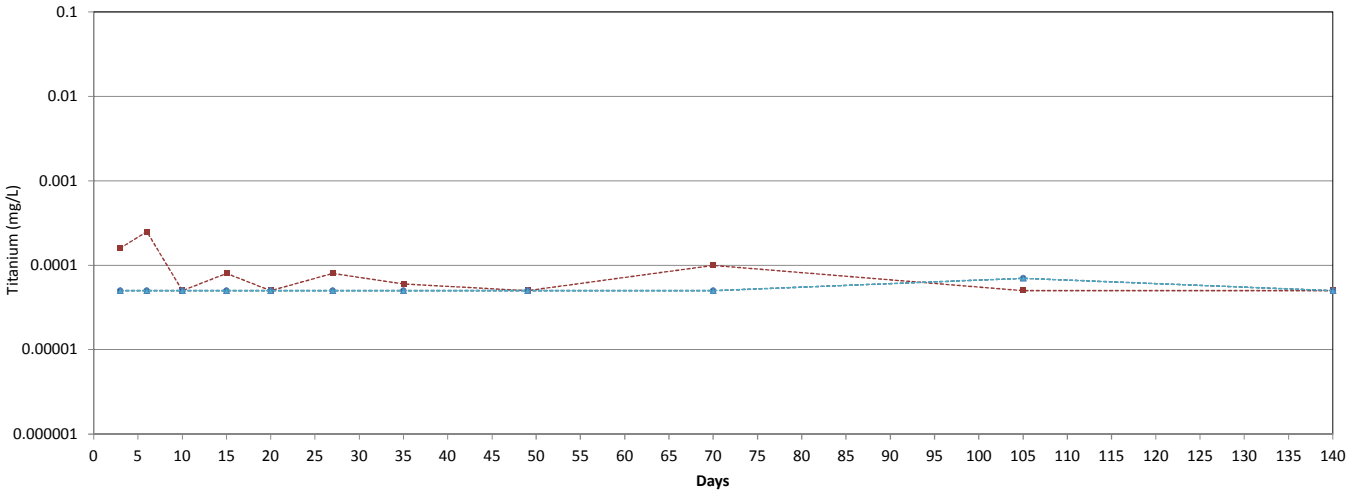
Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 39







Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Thallium
Tin
Titanium

Submerged Column 8

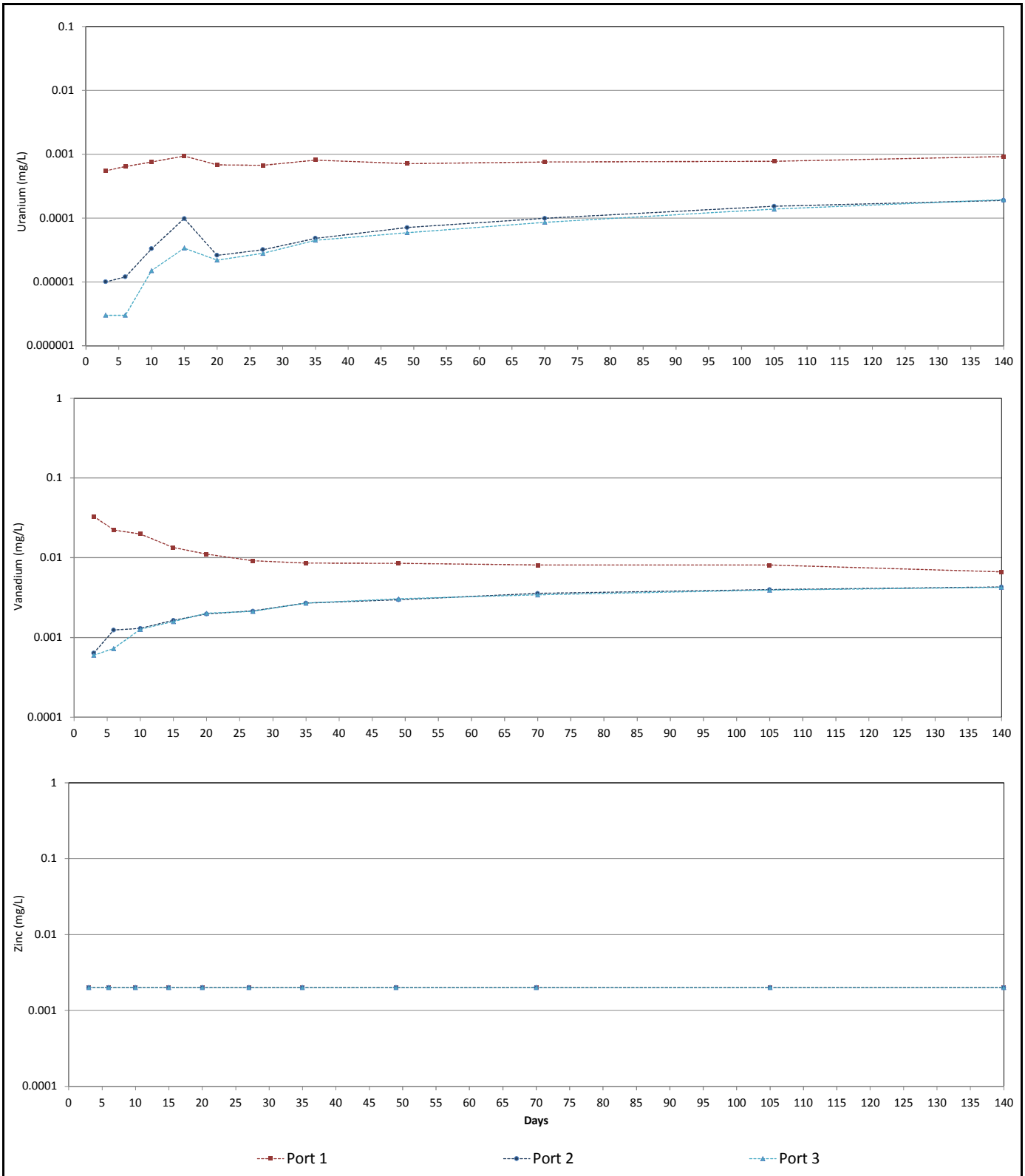
Whale Tail Pit Project

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 40



Notes:

- Port 1: 5 cm below Rock/Water Interface
- Port 2: Rock/Water Interface
- Port 3: 30 cm above Rock/Water Interface

Values < MDL are plotted as MDL value

Rock Type:

- Komatiite North (V4A-0a)
- Komatiite South (V4A-0b)
- Iron Formation (S9E)

Uranium
Vanadium
Zinc

DRAWN	CJ	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9210

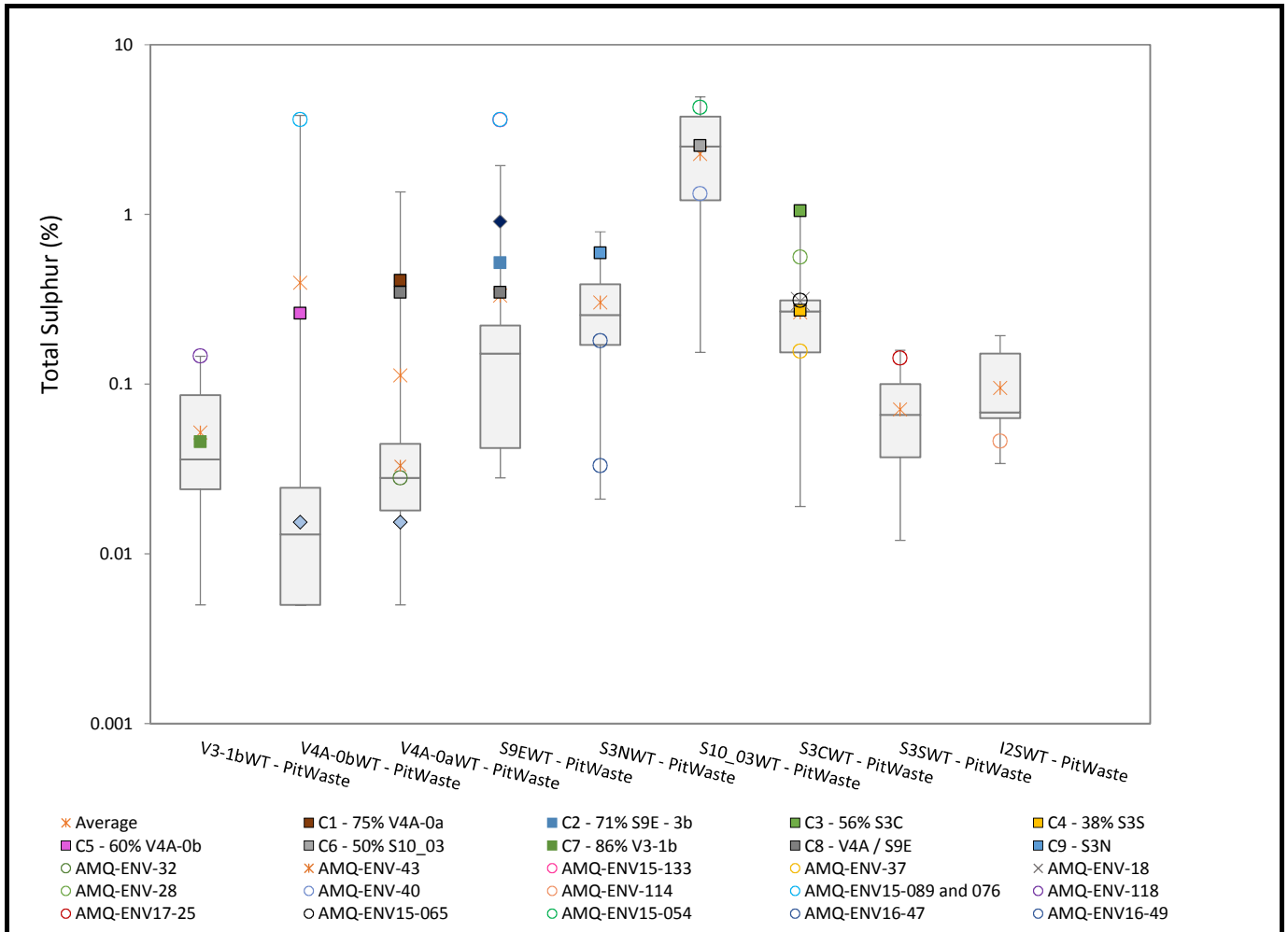
Submerged Column 8

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

APPENDIX FIGURE G- 41

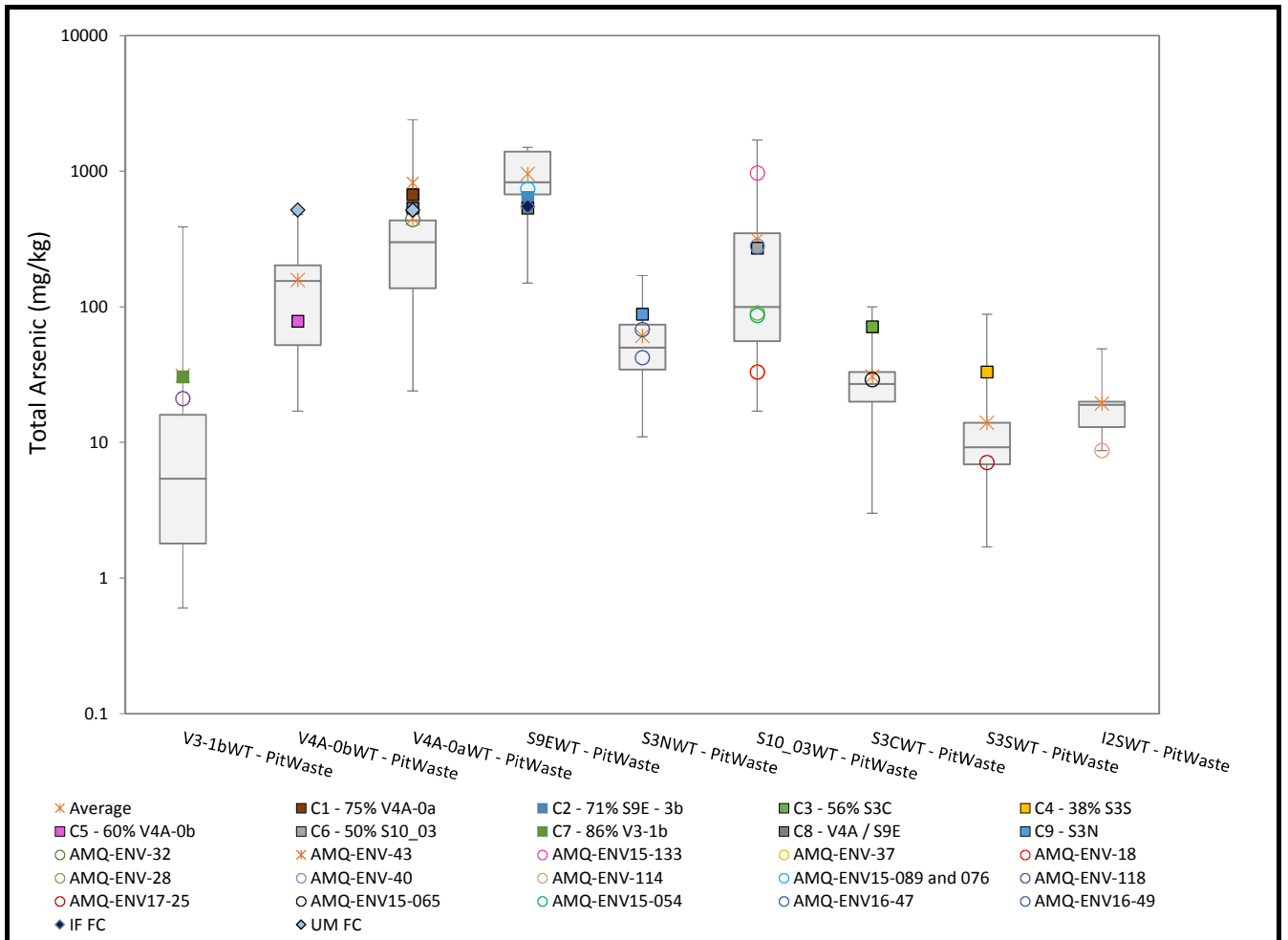


Total Sulphur

Whale Tail Pit Waste Rock

PREPARED	REJ	DATE	Oct-18	**Agnico Eagle Mines Limited**	GOLDER
CHECKED	JMC	JOB NO	1789310	**Meadowbank Division**	
REVIEWED	VJB	PHASE/TASK	9200	**APPENDIX FIGURE G-**	**42**

https://golderassociates.sharepoint.com/sites/19830g/9200_Geochemistry/Report/RevC/Excel Files/Kinetic/2-Amaruq_database_staticFIG_B&W_REJ.xlsx



Total Arsenic

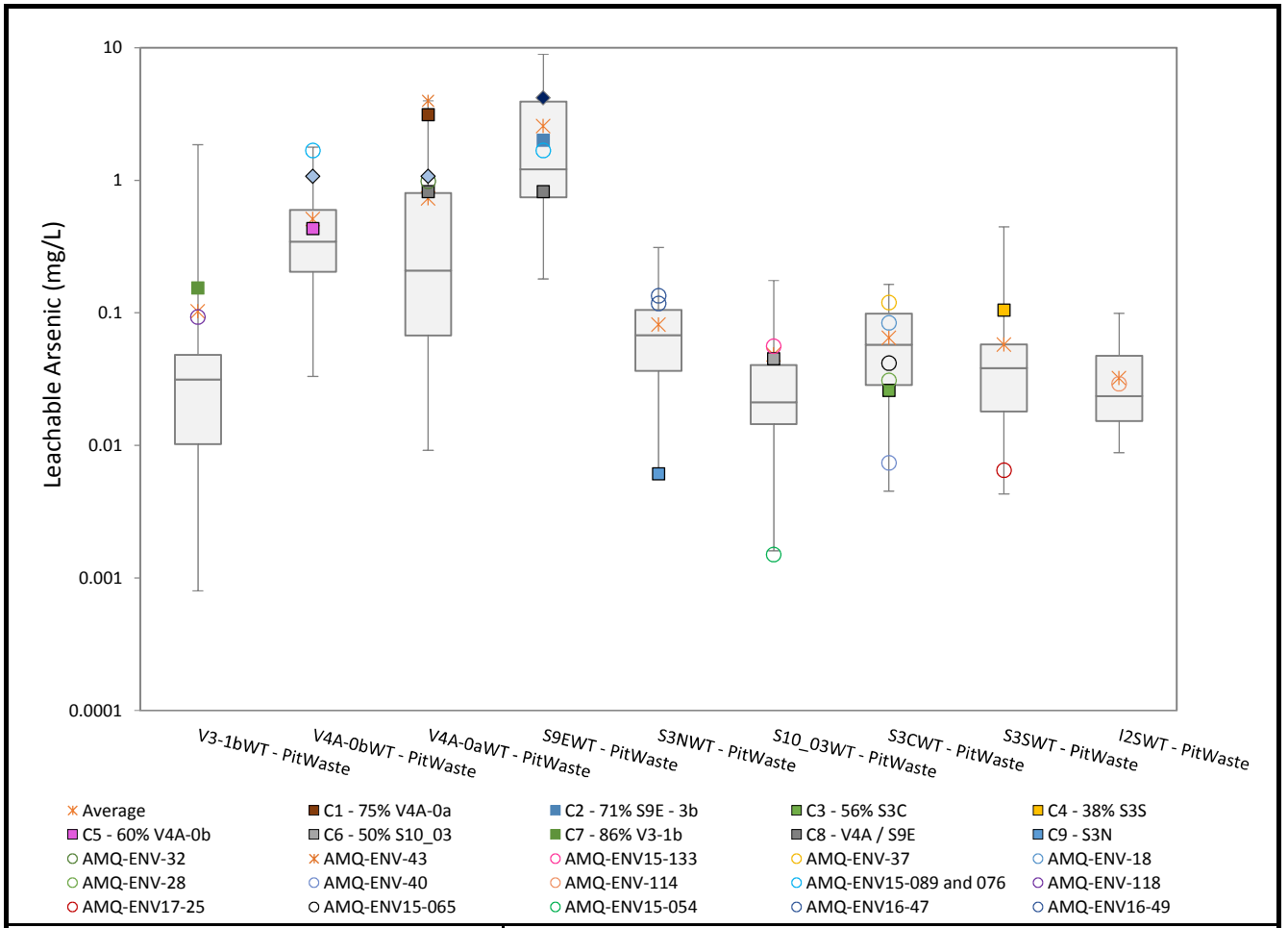
Whale Tail Pit Waste Rock

PREPARED	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

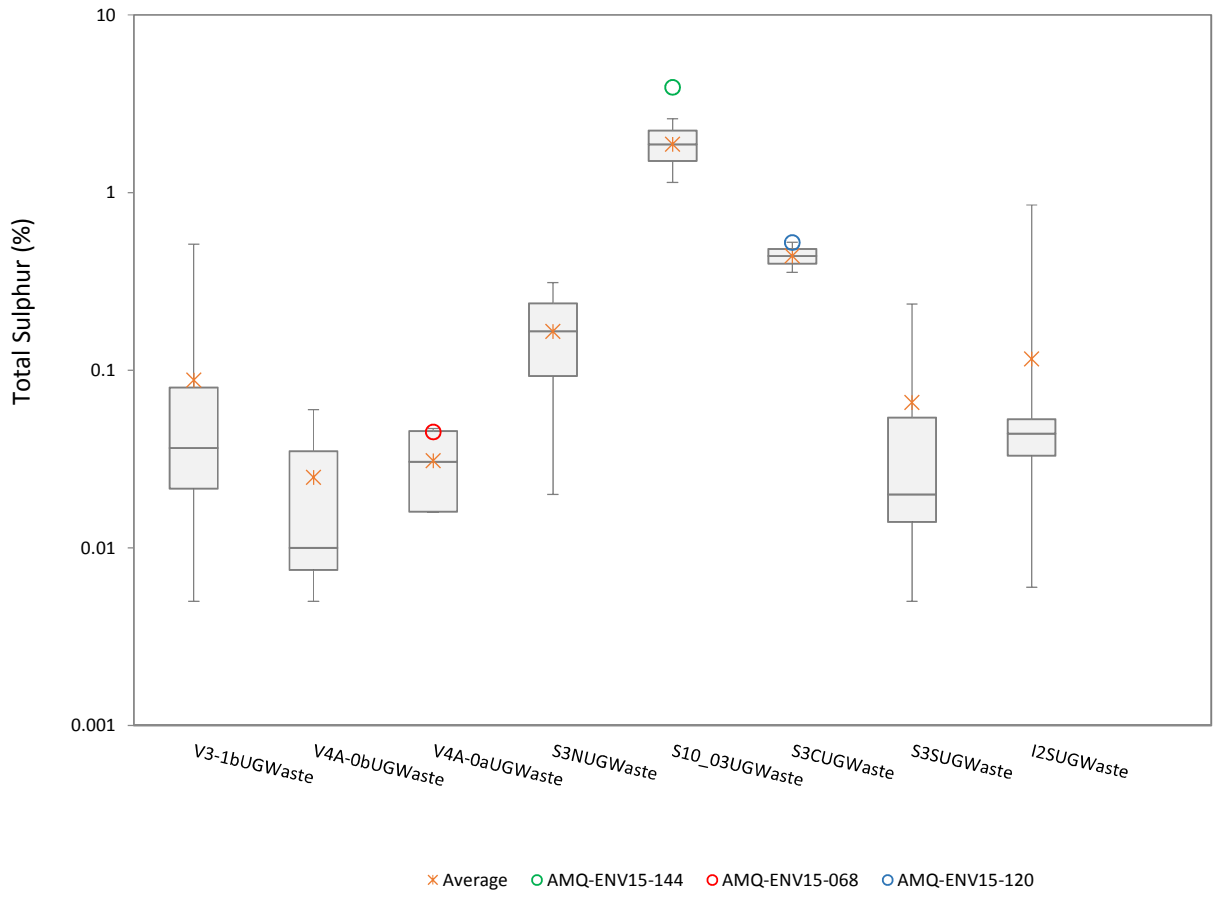
APPENDIX FIGURE G-43



Leachable Arsenic

Whale Tail Pit Waste Rock

PREPARED	REJ	DATE	Oct-18	**Agnico Eagle Mines Limited Meadowbank Division**	GOLDER
CHECKED	JMC	JOB NO	1789310		
REVIEWED	VJB	PHASE/TASK	9200	**APPENDIX FIGURE G-**	**44**



Total Sulphur

Underground Waste Rock

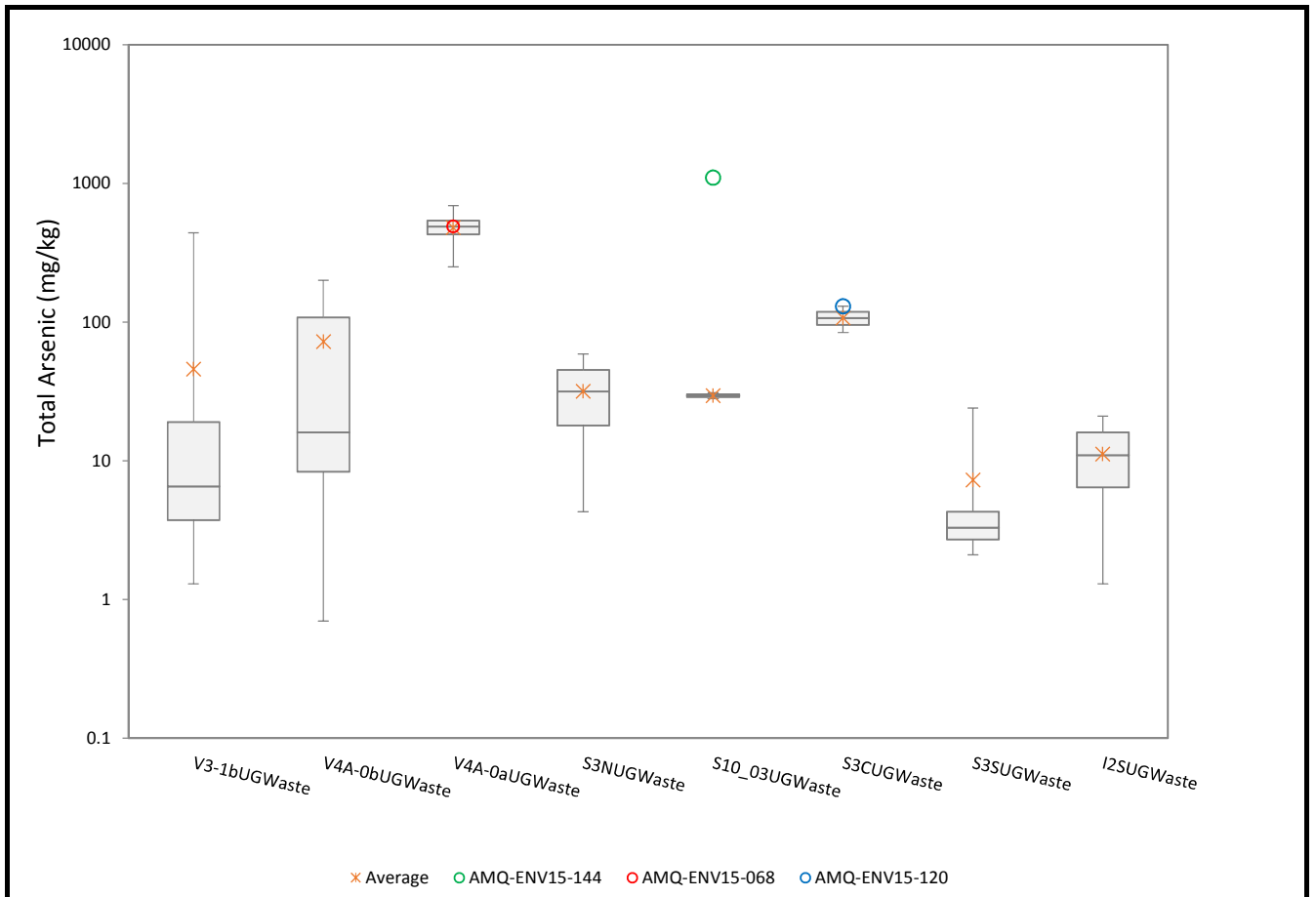
PREPARED	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE G-45

https://golderassociates.sharepoint.com/sites/19830g/9200_Geochemistry/Report/RevC/Excel Files/Kinetic/2-Amaruq_database_staticFIG_B&W_REJ.xlsx



Total Arsenic

Underground Waste Rock

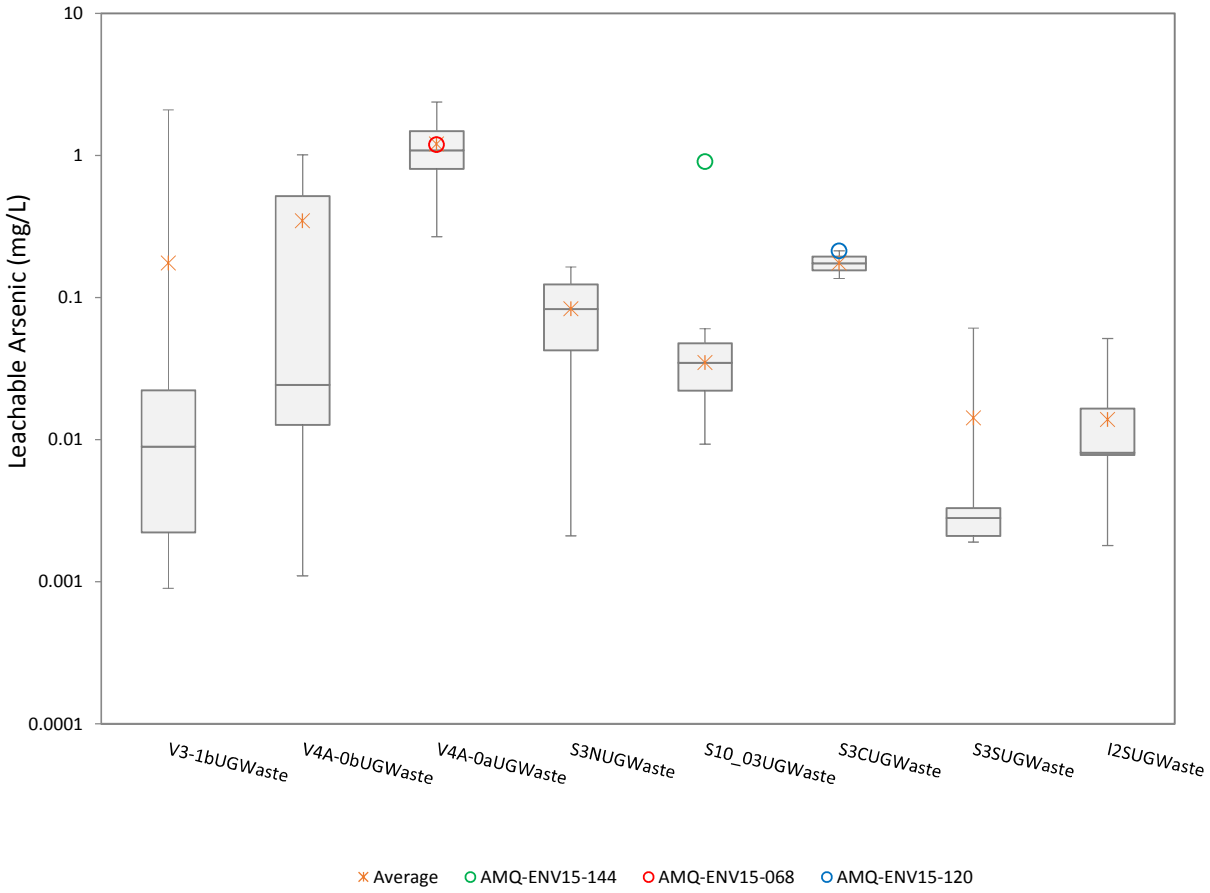
PREPARED	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE G-46

https://golderassociates.sharepoint.com/sites/19830g/9200_Geochemistry/Report/RevC/Excel Files/Kinetic/2-Amaruq_database_staticFIG_B&W_REJ.xlsx



Leachable Arsenic

Underground Waste Rock

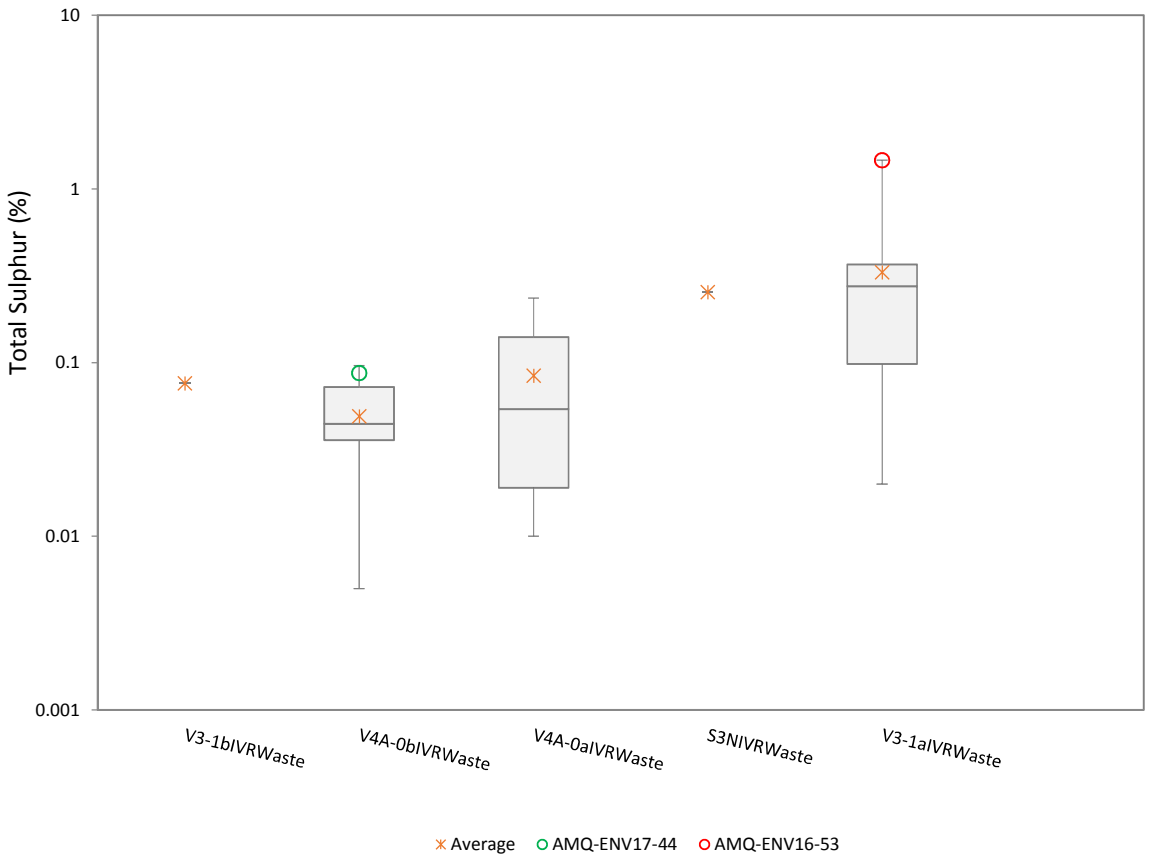
PREPARED	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE G-47

https://golderassociates.sharepoint.com/sites/19830g/9200_Geochemistry/Report/RevC/Excel Files/Kinetic/2-Amaruq_database_staticFIG_B&W_REJ.xlsx



Total Sulphur

IVR Pit Waste Rock

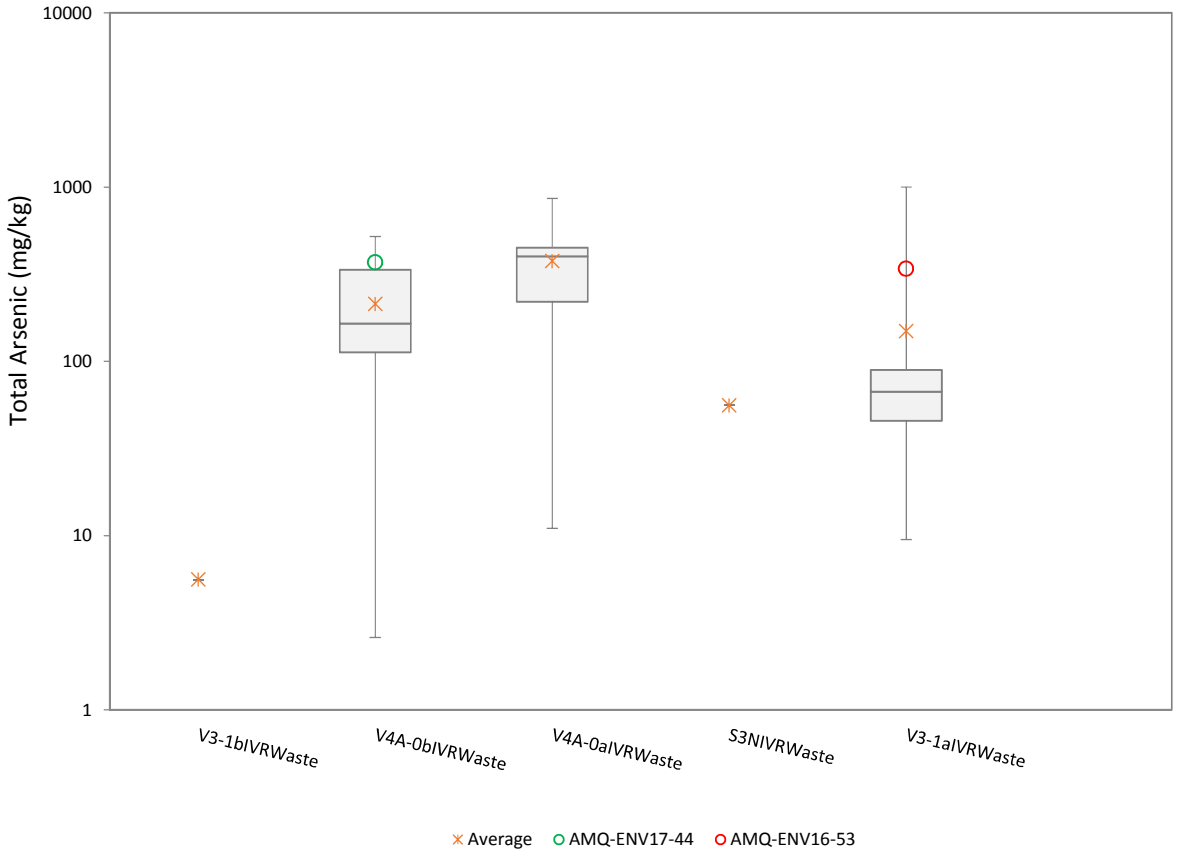
PREPARED	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE G-48

https://golderassociates.sharepoint.com/sites/19830g/9200_Geochemistry/Report/RevC/Excel Files/Kinetic/2-Amaruq_database_staticFIG_B&W_REJ.xlsx



Total Arsenic

IVR Pit Waste Rock

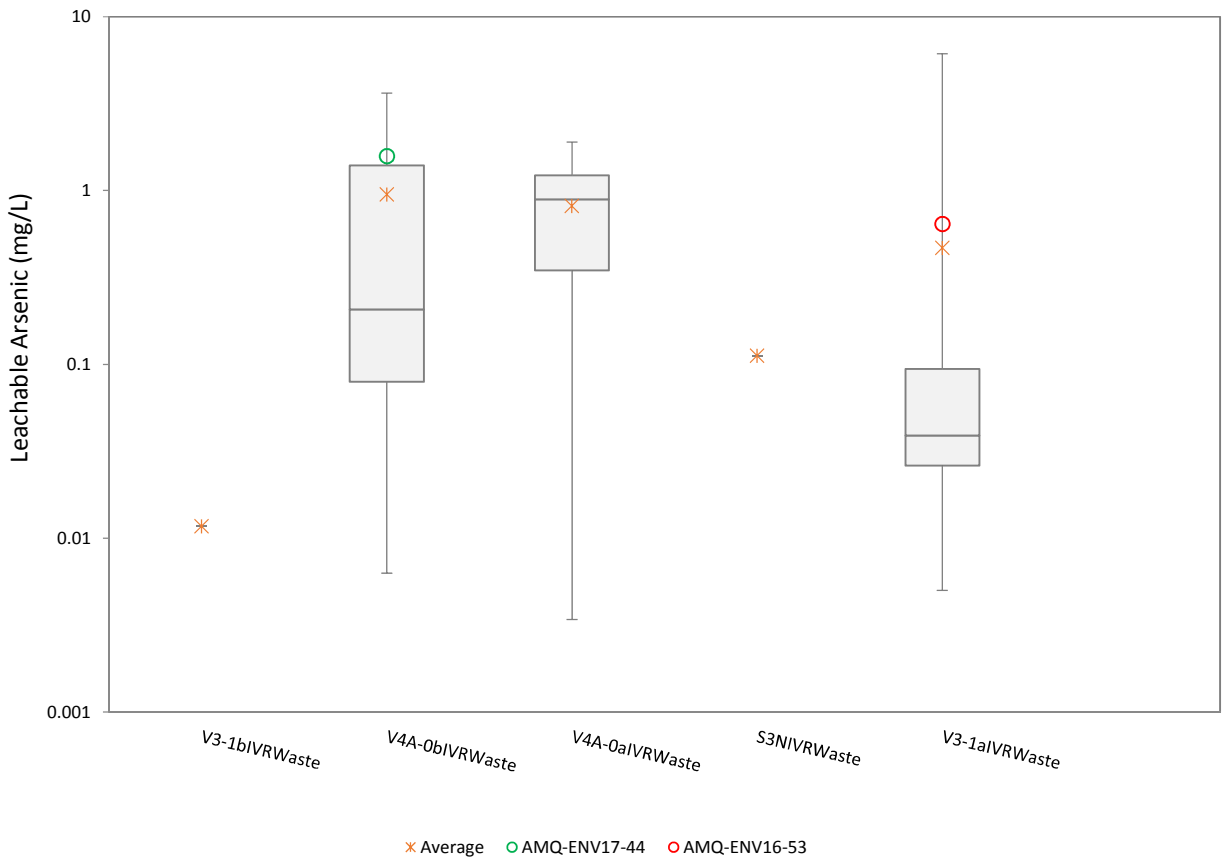
PREPARED	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

APPENDIX FIGURE G-49

https://golderassociates.sharepoint.com/sites/19830g/9200_Geochemistry/Report/RevC/Excel Files/Kinetic/2-Amaruq_database_staticFIG_B&W_REJ.xlsx



Leachable Arsenic

IVR Pit Waste Rock

PREPARED	REJ	DATE	Oct-18	**Agnico Eagle Mines Limited Meadowbank Division**	GOLDER
CHECKED	JMC	JOB NO	1789310		
REVIEWED	VJB	PHASE/TASK	9200	**APPENDIX FIGURE G-**	**50**

APPENDIX H

Tailings Static and Kinetic Test Results: Tables and Figures

Appendix H-1
Acid-Base Accounting Test Results
Tailings
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Deposit Location	Location	Acid Base Accounting (ABA) - Calculated[2]						ABA - Laboratory Reported										
			AP	CaNP (Graphite corrected)	CaNP (Graphite Corrected) / AP	NPR	ARD Potential[3]		Paste pH	NP (Siderite Corrected)	NP (Modified Sobek)	AP	NP/AP	Sulphur (total)	Acid Leachable SO_4-S	Sulphide	Carbon (total)	Graphitic Carbon	Carbonate
							CaNPR (Graphite-Corrected)	NPR											
			t $CaCO_3$/1000 t		ratio				s.u.	t $CaCO_3$/1000 t			ratio	%					
RE-13872/RE-13874	Whale Tail Pit Ore	Tailing	87	6	0.073	-0.078	PAG	PAG	8.6	-6.8	-	87	-0.080	3.3	0.54	2.8	0.61	0.15	1.1
RE-17092 (S3QZ)	Whale Tail Pit Ore	Tailing	104	9	0.083	0.41	PAG	PAG	9.0	-	43	104	0.41	3.9	0.53	3.3	1.0	0.51	3.1
RE-17098 (ALTV4)	Whale Tail Pit Ore	Tailing	105	22	0.21	0.63	PAG	PAG	9.1	-	66	105	0.63	3.3	< 0.02	3.4	0.55	< 0.05	1.3
RE-17104 (HGZ)	Whale Tail Pit Ore	Tailing	111	9	0.077	0.44	PAG	PAG	8.7	-	49	111	0.44	4.1	0.55	3.6	1.1	0.54	3.2
EN-037469 (Combined)	Whale Tail Pit Ore	Tailing	104	16	0.15	0.57	PAG	PAG	8.6	-	60	104	0.58	3.5	0.14	3.3	0.84	0.29	2.4
Tailings		**Bulk[4]**	511	61	0.12	-0.013	PAG	PAG	-	-6.8	-	-	-	-	-	-	-	-	-
		Minimum	87	6	0.073	-0.078	-	-	8.6	-6.8	-	87	-0.080	3.3	< 0.02	2.8	0.55	< 0.05	1.1
		Maximum	111	22	0.21	0.63	-	-	9.1	-6.8	66	111	0.63	4.1	0.55	3.6	1.1	0.54	3.2
		Median	104	9	0.083	0.44	-	-	8.7	-6.8	55	104	0.44	3.5	0.53	3.3	0.84	0.29	2.4
		Average	102	12	0.12	0.40	-	-	8.8	-6.8	55	102	0.40	3.6	0.36	3.3	0.83	0.31	2.2
		Standard Deviation	9.0	6	0.059	0.28	-	-	0.21	-	10	9.0	0.28	0.35	0.26	0.29	0.25	0.22	0.97
		75th Percentile	105	16	0.15	0.57	-	-	9.0	-6.8	62	105	0.58	3.9	0.54	3.4	1.0	0.51	3.1

Notes:
NP = Neutralization Potential, AP = Acid Potential, ARD = Acid Rock Drainage, NPR = Net Potential Ratio (NP/AP), Net NP = Net Neutralization Potential.
(1) Calculated statistics include bulk ARD, minimum, maximum, median, average, standard deviation and 75th percentile for tailings samples.
(2) ABA calculations include: AP - calculated from sulphide = %sulphide * 31.25; NPR - calculated from siderite-corrected NP where measured.
(3) ARD classification based on Mend (2009) where NPR and/or CaNPR < 1 is potentially acid generating (PAG), 1 ≤ NPR and/or CaNPR < 2 is considered to have uncertain acid generating potential, and NPR and/or CaNPR ≥ 2 is non PAG (NPAG).
(4) Bulk ARD characteristics were calculated as bulk NPR (sum NP / sum AP); using siderite-corrected NP and graphite-corrected CaNP where available.
(-) = no data reported, no calculation required

Appendix H-2
Net Acid Generation Leach Test Results
Tailings
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification			RE-13872/RE-13874
Deposit Location			Whale Tail Pit
Material			Tailing
Sequential NAG Step 1	Final pH	pH unit	2.7
	Volume NaOH to pH 4.5	mL	4.8
	Volume NaOH to pH 7.0		7.0
	NAG pH 4.5	kg H_2SO_4/tonne	15
	NAG pH 7.0		22
Sequential NAG Step 2	Final pH	pH unit	3.1
	Volume NaOH to pH 4.5	mL	1.5
	Volume NaOH to pH 7.0		1.8
	NAG pH 4.5	kg H_2SO_4/tonne	4.7
	NAG pH 7.0		5.8
Sequential NAG Step 3	Final pH	pH unit	3.8
	Volume NaOH to pH 4.5	mL	0.27
	Volume NaOH to pH 7.0		0.46
	NAG pH 4.5	kg H_2SO_4/tonne	0.90
	NAG pH 7.0		1.5
Sequential NAG Step 4	Final pH	pH unit	4.4
	Volume NaOH to pH 4.5	mL	0.090
	Volume NaOH to pH 7.0		0.36
	NAG pH 4.5	kg H_2SO_4/tonne	0.30
	NAG pH 7.0		1.2
Sulphur Consumption (calculated)		%	91%
Arsenic Consumption (calculated)		%	1%
Sequential NAG Leachate - Sequence 1 pH		pH unit	2.71
Sequential NAG Leachate - Sequence 2 pH		pH unit	3.02
Sequential NAG Leachate - Sequence 3 pH		pH unit	3.71
Sequential NAG Leachate - Sequence 4 pH		pH unit	4.20
Sequential NAG Leachate - Sum of Acidity and Metals Concentrations for Sequences 1 to 4	Acidity	mg/L as $CaCO_3$	325
	Chloride	mg/L	8.0
	Sulphate		907
	Mercury		0.00004
	Aluminum		8.2
	Silver		0.00082
	Arsenic		0.33
	Barium		0.41
	Beryllium		0.0032
	Bismuth		0.000028
	Boron		0.21
	Calcium		170
	Cadmium		0.0012
	Cobalt		0.33
	Chromium		0.12
	Copper		2.5
	Iron		21
	Potassium		51
	Lithium		0.049
	Magnesium		22
	Manganese		6.9
	Molybdenum		0.014
	Sodium		13
	Nickel		3.7
	Phosphorus		0.012
	Lead		0.13
	Antimony		0.0014
	Selenium		0.014
	Tin		0.0011
	Strontium		0.43
	Silicon		40
	Titanium		0.025
	Thallium		0.0013
	Uranium		0.0029
	Vanadium		0.068
	Zinc		0.32

Appendix H-3
Whole Rock Analysis Test Results
Tailings
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Material	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	MnO	Cr_2O_3	V_2O_5	LOI	Sum
		%													
RE-13872/RE-13874	Tailing	63	4.6	16	4.1	3.7	0.40	0.99	0.19	0.070	0.34	0.12	0.010	4.4	98
RE-17092 (S3QZ)	Tailing	64	5.7	17	2.7	2.2	0.29	1.6	0.16	0.13	0.22	0.050	< 0.01	4.2	98
RE-17098 (ALTV4)	Tailing	39	6.9	29	7.2	8.0	0.47	2.0	0.34	0.080	1.1	0.32	0.020	2.8	98
RE-17104 (HGZ)	Tailing	59	6.1	18	4.4	3.3	0.54	1.2	0.22	0.070	0.47	0.16	< 0.01	4.7	98
EN-037469 (Combined)	Tailing	53	6.4	21	5.0	5.0	0.45	1.7	0.25	0.10	0.62	0.18	0.020	3.7	98
Tailings	**Minimum**	39	4.6	16	2.7	2.2	0.29	0.99	0.16	0.070	0.22	0.050	< 0.01	2.8	98
	Maximum	64	6.9	29	7.2	8.0	0.54	2.0	0.34	0.13	1.1	0.32	0.020	4.7	98
	Median	59	6.1	18	4.4	3.7	0.45	1.6	0.22	0.080	0.47	0.16	0.010	4.2	98
	Average	55	5.9	20	4.7	4.4	0.43	1.5	0.23	0.090	0.54	0.17	0.014	4.0	98
	Standard Deviation	10	0.86	5.4	1.6	2.2	0.093	0.39	0.069	0.025	0.33	0.099	0.0055	0.75	0.30
	75th Percentile	63	6.4	21	5.0	5.0	0.47	1.7	0.25	0.10	0.62	0.18	0.020	4.4	98

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for tailings samples.
(-) = no data reported, no calculation required

Appendix H-4
Trace Element Analysis Test Results
Tailings
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Material	Fluoride	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Selenium	Silicon	Silver	Sodium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
		µg/g																																	
Typical Crustal Abundance (Price, 1997)[2]		-	82300	0.2	1.8	425	3.0	0.0085	10	41500	0.15	25	102	60	56300	14	20	23300	950	0.085	1.2	84	1050	20850	0.05	281500	0.075	23550	370	2.3	5650	0.85	2.7	120	70
5x Typical Crustal Abundance (Price, 1997)[2]		-	411500	1.0	9.0	2125	15	0.043	50	207500	0.75	125	510	300	281500	70	100	116500	4750	0.43	6.0	420	5250	104250	0.25	1407500	0.38	117750	1850	12	28250	4.3	14	600	350
RE-13872/RE-13874	Tailing	119	14000	3.3	3200	55	0.51	0.48	3.0	16000	0.10	31	570	280	90000	63	11	11000	1300	< 0.05	4.3	390	320	6200	1.6	1700	0.97	1300	35	2.1	610	0.090	0.38	35	48
RE-17092 (S3QZ)	Tailing	-	12000	1.4	1300	45	0.78	< 0.09	5.0	14000	0.21	8.7	290	140	91000	66	8.0	8900	1000	-	35	160	510	5500	0.90	1030	0.50	270	27	< 0.5	430	0.26	0.87	12	52
RE-17098 (ALTV4)	Tailing	-	21000	2.4	830	180	0.27	< 0.09	3.0	19000	0.050	54	1300	120	130000	67	16	15000	2500	-	12	860	280	16000	< 0.7	1830	0.50	320	35	< 0.5	1200	0.48	0.087	53	37
RE-17104 (HGZ)	Tailing	-	14000	2.3	1400	75	0.57	< 0.09	4.0	14000	0.20	30	740	75	96000	65	12	12000	1700	-	29	430	250	5400	1.1	1240	0.62	370	26	< 0.5	430	0.18	0.41	28	57
EN-037469 (Combined)	Tailing	-	17000	1.8	940	110	0.52	< 0.09	3.0	18000	0.16	31	800	170	100000	68	12	13000	1800	-	25	490	370	11000	0.80	2190	0.27	550	31	< 0.5	780	0.34	0.47	33	47
Tailings	Minimum	119	12000	1.4	830	45	0.27	< 0.09	3.0	14000	0.050	8.7	290	75	90000	63	8.0	8900	1000	< 0.05	4.3	160	250	5400	< 0.7	1030	0.27	270	26	< 0.5	430	0.090	0.087	12	37
	Maximum	119	21000	3.3	3200	180	0.78	0.48	5.0	19000	0.21	54	1300	280	130000	68	16	15000	2500	0.050	35	860	510	16000	1.6	2190	0.97	1300	35	2.1	1200	0.48	0.87	53	57
	Median	119	14000	2.3	1300	75	0.52	0.090	3.0	16000	0.16	31	740	140	96000	66	12	12000	1700	0.050	25	430	320	6200	0.90	1700	0.50	370	31	0.50	610	0.26	0.41	33	48
	Average	119	15600	2.2	1534	93	0.53	0.17	3.6	16200	0.14	31	740	157	101400	66	12	11980	1660	0.050	21	466	346	8820	1.0	1598	0.57	562	31	0.82	690	0.27	0.44	32	48
	dard Deviation	-	3507	0.72	961	55	0.18	0.17	0.89	2280	0.068	16	370	77	16486	1.9	2.9	2270	568	-	13	253	102	4634	0.36	465	0.26	426	4.3	0.72	320	0.15	0.28	15	7.4
	75th Percentile	119	17000	2.4	1400	110	0.57	0.090	4.0	18000	0.20	31	800	170	100000	67	12	13000	1800	0.050	29	490	370	11000	1.1	1830	0.62	550	35	0.50	780	0.34	0.47	35	52

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for tailings samples.
(2) Price, 1997. Guidelines and recommended methods for the predication of metal leaching and acid rock drainage
(-) = no data reported, no calculation required

0.1 Result exceeds 5 times the Price Crustal Abundance for the specified parameter

Appendix H-5
Shake-Flask Extraction Analysis Test Results
Tailings
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Material	pH	Alkalinity	Conductivity	Fluoride	Chloride	Ammonia+ Ammonium (N)	Cyanide (total)	Cyanide (WAD)	Cyanate	Thiocyanate	Sulphate	Bromide	Nitrite	Nitrate	Chromium VI	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth
		pH unit	mg/L as $CaCO_3$	uS/cm	mg/L		as N mg/L	mg/L						as N mg/L		µg/L	mg/L								
RE-13872/RE-13874	Tailing	7.8	65	1620	0.060	< 2	2.7	4.38	0.02	6.5	18	720	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000012	0.0091	0.023	0.012	0.027	< 0.000007	< 0.000007
RE-17092 (S3QZ)	Tailing	9.4	41	279	0.10	54	-	-	-	-	-	28	-	-	-	-	-	< 0.00001	0.00056	0.37	0.79	0.0064	0.23	0.000030	0.00010
RE-17098 (ALTV4)	Tailing	9.6	45	284	0.080	54	-	-	-	-	-	21	-	-	-	-	-	< 0.00001	0.000080	0.26	3.8	0.011	0.15	0.000020	0.000026
RE-17104 (HGZ)	Tailing	9.2	36	430	0.10	100	-	-	-	-	-	43	-	-	-	-	-	< 0.00001	0.00025	0.20	1.5	0.010	0.077	0.000010	0.000040
EN-037469 (Combined)	Tailing	8.0	17	1426	0.10	47	-	-	-	-	-	550	-	-	-	-	-	< 0.00001	< 0.000002	0.057	0.86	0.057	0.054	< 0.000007	< 0.000007
Tailings	**Minimum**	7.8	17	279	0.060	< 2	2.700	4.380	0.020	6.500	18.000	21	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.0091	0.023	0.0064	0.027	< 0.000007	< 0.000007
	Maximum	9.6	65	1620	0.10	100	2.700	4.380	0.020	6.500	18.000	720	3.0	0.30	0.60	0.20	0.030	0.000010	0.00056	0.37	3.8	0.057	0.23	0.000030	0.00010
	Median	9.2	41	430	0.10	54	2.700	4.380	0.020	6.500	18.000	43	3.0	0.30	0.60	0.20	0.030	0.000010	0.000080	0.20	0.86	0.011	0.077	0.000010	0.000026
	Average	8.8	41	808	0.088	51	2.700	4.380	0.020	6.500	18.000	272	3.0	0.30	0.60	0.20	0.030	0.000010	0.00018	0.18	1.4	0.019	0.11	0.000015	0.000037
	Standard Deviation	0.84	17	659	0.018	35	-	-	-	-	-	337	-	-	-	-	-	-	0.00024	0.15	1.5	0.021	0.081	0.000010	0.000040
	75th Percentile	9.4	45	1426	0.10	54	2.700	4.380	0.020	6.500	18.000	550	3.0	0.30	0.60	0.20	0.030	0.000010	0.00025	0.26	1.5	0.012	0.15	0.000020	0.000040

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for tailings samples.
(-) = no data reported, no calculation required

Appendix H-5
Shake-Flask Extraction Analysis Test Results
Tailings
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Material	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
		mg/L																								
RE-13872/RE-13874	Tailing	159	0.000014	0.034	0.000030	0.0022	1.3	15	0.0024	4.1	0.076	0.059	222	0.0047	0.0040	0.000030	0.0015	< 0.001	1.4	0.0011	0.13	0.000080	< 0.000005	0.00021	0.00011	< 0.001
RE-17092 (S3QZ)	Tailing	10	< 0.000003	0.0099	0.00050	0.31	4.1	11	0.0011	0.27	0.0075	0.0086	41	0.046	< 0.003	0.0052	0.0059	0.0024	3.0	0.015	0.017	0.0059	< 0.000005	0.00039	0.0026	< 0.002
RE-17098 (ALTV4)	Tailing	9.6	< 0.000003	0.15	0.0071	0.098	3.3	15	0.0018	0.30	0.023	0.0033	43	1.0	< 0.003	0.0039	0.017	0.00098	3.5	0.00098	0.018	0.0082	< 0.000005	0.00010	0.014	< 0.002
RE-17104 (HGZ)	Tailing	15	< 0.000003	0.086	0.0023	0.15	4.0	11	0.0015	0.24	0.0093	0.0072	67	0.79	< 0.003	0.0032	0.0065	0.0025	2.8	0.0045	0.021	0.0017	< 0.000005	0.000058	0.0029	< 0.002
EN-037469 (Combined)	Tailing	155	< 0.000003	0.037	< 0.00003	0.0022	0.27	55	0.0082	2.9	0.0069	0.0068	131	0.0093	< 0.003	< 0.00001	0.0095	0.00050	2.4	0.0011	0.14	< 0.00005	< 0.000005	0.00021	0.0011	< 0.002
Tailings	**Minimum**	9.6	< 0.000003	0.0099	< 0.00003	0.0022	0.27	11	0.0011	0.24	0.0069	0.0033	41	0.0047	< 0.003	< 0.00001	0.0015	< 0.001	1.4	0.00098	0.017	< 0.00005	< 0.000005	0.000058	0.00011	< 0.001
	Maximum	159	0.000014	0.15	0.0071	0.31	4.1	55	0.0082	4.1	0.076	0.059	222	1.0	0.0040	0.0052	0.017	0.0025	3.5	0.015	0.14	0.0082	0.0000050	0.00039	0.014	0.0020
	Median	15	0.0000030	0.037	0.00050	0.098	3.3	15	0.0018	0.30	0.0093	0.0072	67	0.046	0.0030	0.0032	0.0065	0.0010	2.8	0.0011	0.021	0.0017	0.0000050	0.00021	0.0026	0.0020
	Average	70	0.0000052	0.063	0.0020	0.11	2.6	21	0.0030	1.6	0.025	0.017	101	0.37	0.0032	0.0025	0.0080	0.0015	2.6	0.0045	0.065	0.0032	0.0000050	0.00019	0.0041	0.0018
	Standard Deviation	80	0.0000049	0.056	0.0030	0.13	1.7	19	0.0029	1.8	0.030	0.023	77	0.49	0.00045	0.0023	0.0056	0.00091	0.79	0.0060	0.064	0.0037	-	0.00013	0.0055	0.00045
	75th Percentile	155	0.0000030	0.086	0.0023	0.15	4.0	15	0.0024	2.9	0.023	0.0086	131	0.79	0.0030	0.0039	0.0095	0.0024	3.0	0.0045	0.13	0.0059	0.0000050	0.00021	0.0029	0.0020

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for tailings samples.
(-) = no data reported, no calculation required

Appendix H-6
Process Water Analysis Test Results
Tailings
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

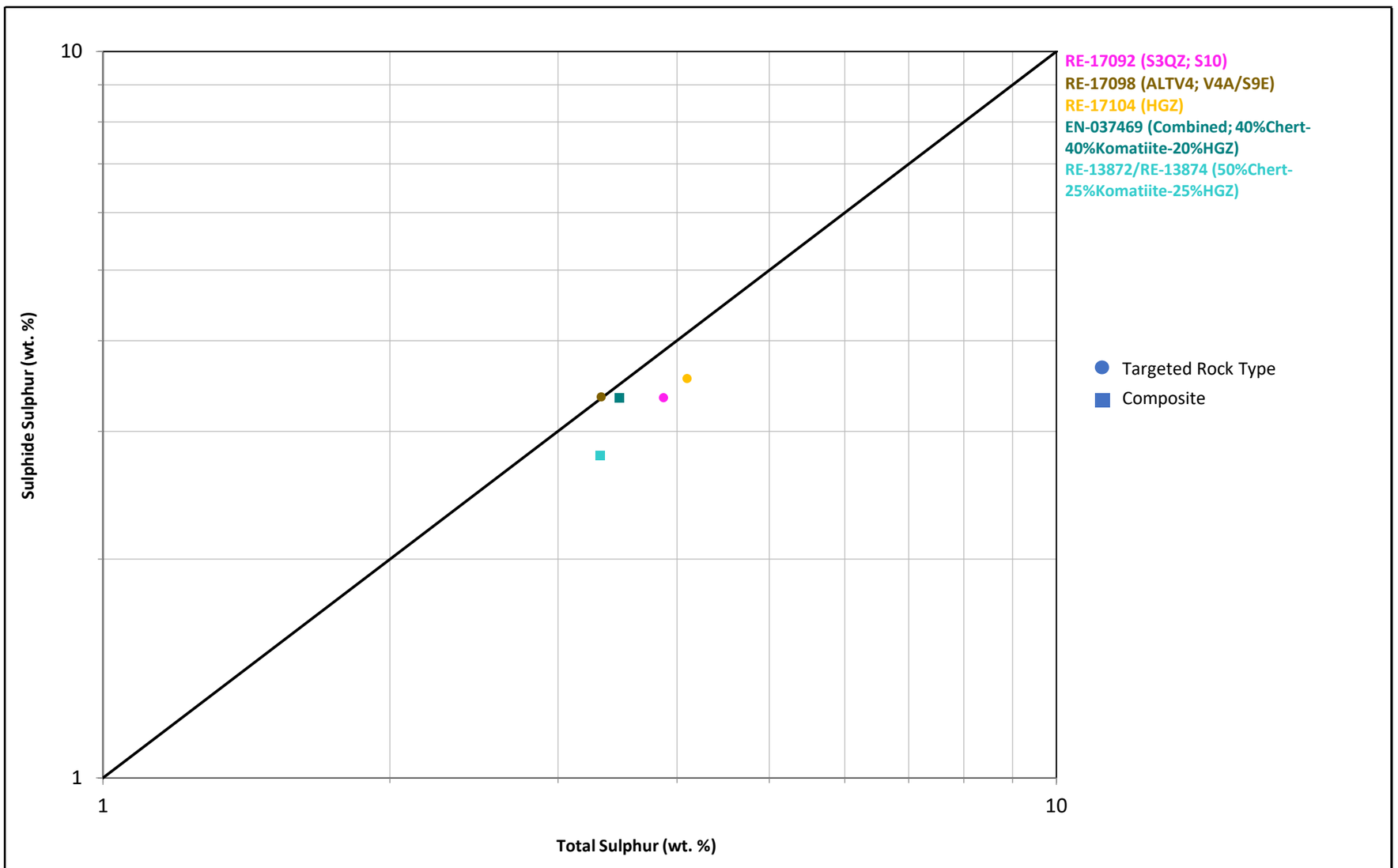
Sample Identification[1]	Material	pH	Alkalinity	Conductivity	Carbonate	Bicarbonate	Fluoride	Chloride	Sulphate	Nitrite	Nitrate	Bromide	Phosphorus (total reactive)	Ammonia+ Ammonium (N)	Cyanide (total)	Cyanide (WAD)	Cyanate	Thiocyanate	Chromium VI	Mercury (dissolved)	Silver (dissolved)	Aluminum (dissolved)	Arsenic (dissolved)	Barium (dissolved)	Beryllium (dissolved)	Boron (dissolved)	Bismuth (dissolved)
		pH unit	mg/L as $CaCO_3$	µS/cm	mg/L as $CaCO_3$		mg/L			as N mg/L		mg/L							µg/L	mg/L							
RE-13872/RE-13874	Tailing	8.1	135	14800	< 2	135	0.17	17	8000	< 0.3	6.1	< 3	0.27	69	2.0	0.060	240	290	< 0.2	< 0.00001	0.00050	0.54	0.33	0.085	0.000036	0.059	0.000040
RE-17092 (S3QZ)	Tailing	10	442	2560	-	-	0.19	690	340	< 0.3	8.2	< 3	-	3.9	258	---	---	---	-	-	0.029	0.35	0.19	0.046	< 0.000007	0.23	0.000013
RE-17098 (ALTV4)	Tailing	10	547	2690	-	-	0.11	740	290	< 0.3	7.9	< 3	-	4.6	331	---	---	---	-	-	0.037	0.54	0.80	0.091	< 0.000007	0.44	0.000011
RE-17104 (HGZ)	Tailing	11	492	4620	-	-	0.15	1600	580	< 0.3	8.0	< 3	-	2.9	411	---	---	---	-	-	0.11	0.43	0.27	0.13	< 0.000007	0.12	0.000031
EN-037469 (Combined)	Tailing	7.7	68	8230	-	-	0.21	470	4500	< 0.3	7.3	< 3	-	48	0.42	0.020	130	270	-	-	0.00059	0.017	0.57	0.068	< 0.000007	0.040	0.000021
Tailings	**Minimum**	7.7	68	2560	< 2	135	0.11	17	290	< 0.3	6.1	< 3	0.27	2.9	0.42	0.020	130	270	< 0.2	< 0.00001	0.00050	0.017	0.19	0.046	< 0.000007	0.040	0.000011
	Maximum	11	547	14800	2.0	135	0.21	1600	8000	0.30	8.2	3.0	0.27	69	411	0.060	240	290	0.20	0.000010	0.11	0.54	0.80	0.13	0.000036	0.44	0.000040
	Median	10	442	4620	2.0	135	0.17	690	580	0.30	7.9	3.0	0.27	4.6	258	0.040	185	280	0.20	0.000010	0.029	0.43	0.33	0.085	0.0000070	0.12	0.000021
	Average	9.4	337	6580	2.0	135	0.17	703	2742	0.30	7.5	3.0	0.27	26	200	0.040	185	280	0.20	0.000010	0.035	0.37	0.43	0.084	0.000013	0.18	0.000023
	Standard Deviation	1.4	219	5134	-	-	0.038	577	3435	-	0.86	-	-	31	190	0.028	78	14	-	-	0.044	0.22	0.25	0.031	0.000013	0.16	0.000012
	75th Percentile	10	492	8230	2.0	135	0.19	740	4500	0.30	8.0	3.0	0.27	48	331	0.050	213	285	0.20	0.000010	0.037	0.54	0.57	0.091	0.0000070	0.23	0.000031

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for tailings samples.
(-) = no data reported, no calculation required

Appendix H-6
Process Water Analysis Test Results
Tailings
Whale Tail Pit Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample Identification[1]	Material	Calcium (dissolved)	Cadmium (dissolved)	Cobalt (dissolved)	Chromium (dissolved)	Copper (dissolved)	Iron (dissolved)	Potassium (dissolved)	Lithium (dissolved)	Magnesium (dissolved)	Manganese (dissolved)	Molybdenum (dissolved)	Sodium (dissolved)	Nickel (dissolved)	Phosphorus (dissolved)	Lead (dissolved)	Antimony (dissolved)	Selenium (dissolved)	Silicon (dissolved)	Tin (dissolved)	Strontium (dissolved)	Titanium (dissolved)	Thallium (dissolved)	Uranium (dissolved)	Vanadium (dissolved)	Zinc (dissolved)
		mg/L																								
RE-13872/RE-13874	Tailing	527	0.000049	0.52	0.012	0.024	2.7	221	0.019	24	0.19	0.13	3720	0.056	0.028	0.011	0.011	0.010	5.7	0.0036	0.41	0.023	0.000027	0.0033	0.0012	0.0040
RE-17092 (S3QZ)	Tailing	131	0.0085	0.0043	0.0026	6.0	0.87	110	0.00035	0.13	0.0067	0.075	389	0.33	0.32	0.00017	0.0067	0.017	2.0	0.11	0.25	0.00017	< 0.000005	0.000057	0.0013	3.2
RE-17098 (ALTV4)	Tailing	130	0.0021	0.057	0.0011	9.7	0.64	125	0.00088	0.13	0.010	0.021	386	16	0.073	0.00018	0.028	0.012	2.1	0.0048	0.29	0.00017	< 0.000005	0.000055	0.0097	1.0
RE-17104 (HGZ)	Tailing	248	0.0017	0.62	0.00070	2.7	8.5	133	0.00063	0.27	0.0097	0.0074	831	0.76	0.051	0.00021	0.0040	0.032	1.7	0.031	0.39	0.00013	0.0000050	0.000018	0.00017	0.14
EN-037469 (Combined)	Tailing	486	0.000034	0.54	0.0014	0.14	0.064	283	0.015	13	0.14	0.073	1810	0.057	0.0080	0.00011	0.015	0.0068	2.9	0.0051	0.94	0.00015	0.000037	0.0028	0.00046	< 0.002
Tailings	**Minimum**	130	0.000034	0.0043	0.00070	0.024	0.064	110	0.00035	0.13	0.0067	0.0074	386	0.056	0.0080	0.00011	0.0040	0.0068	1.7	0.0036	0.25	0.00013	< 0.000005	0.000018	0.00017	< 0.002
	Maximum	527	0.0085	0.62	0.012	9.7	8.5	283	0.019	24	0.19	0.13	3720	16	0.32	0.011	0.028	0.032	5.7	0.11	0.94	0.023	0.000037	0.0033	0.0097	3.2
	Median	248	0.0017	0.52	0.0014	2.7	0.87	133	0.00088	0.27	0.010	0.073	831	0.33	0.051	0.00018	0.011	0.012	2.1	0.0051	0.39	0.00017	0.0000050	0.000057	0.0012	0.14
	Average	304	0.0025	0.35	0.0035	3.7	2.6	174	0.0072	7.6	0.070	0.061	1427	3.5	0.097	0.0024	0.013	0.015	2.9	0.030	0.46	0.0047	0.000016	0.0013	0.0026	0.87
	Standard Deviation	191	0.0035	0.29	0.0046	4.1	3.4	75	0.0091	11	0.085	0.048	1407	7.2	0.13	0.0050	0.0093	0.0097	1.6	0.044	0.28	0.010	0.000015	0.0017	0.0040	1.4
	75th Percentile	486	0.0021	0.54	0.0026	6.0	2.7	221	0.015	13	0.14	0.075	1810	0.76	0.073	0.00021	0.015	0.017	2.9	0.031	0.41	0.00017	0.000027	0.0028	0.0013	1.0

Notes:
(1) Calculated statistics include minimum, maximum, median, average, standard deviation and 75th percentile for tailings samples.
(-) = no data reported, no calculation required



Notes:
- Values < MDL are plotted as MDL value

Sulphide Sulphur versus Total Sulphur

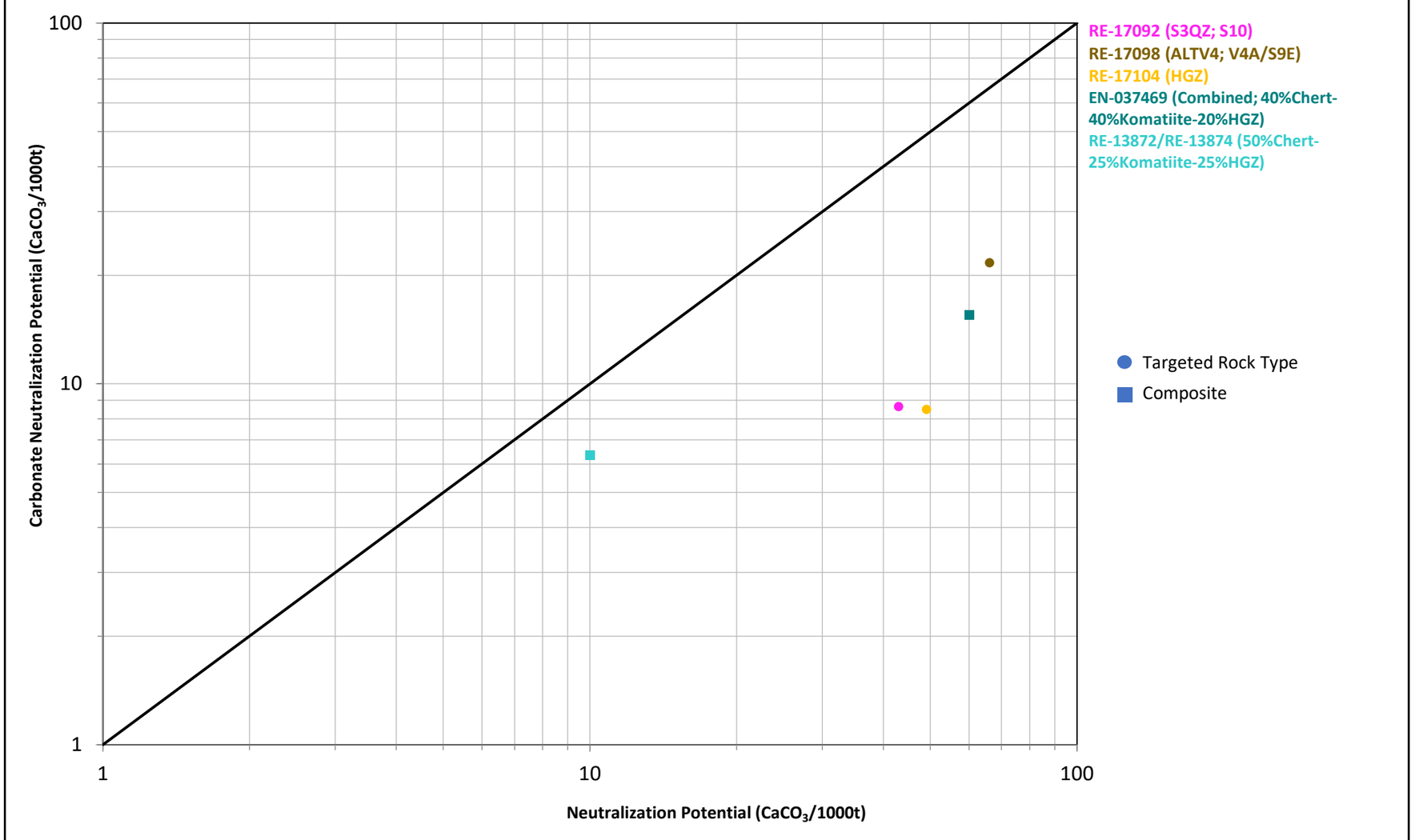
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Agnico Eagle Mines Limited
Meadowbank Division

GOLDER

Static Testing:
Whale Tail Pit Tailings

APPENDIX FIGURE H- 1



Notes:
- Values < MDL are plotted as MDL value

Carbonate Neutralization Potential versus Neutralization Potential

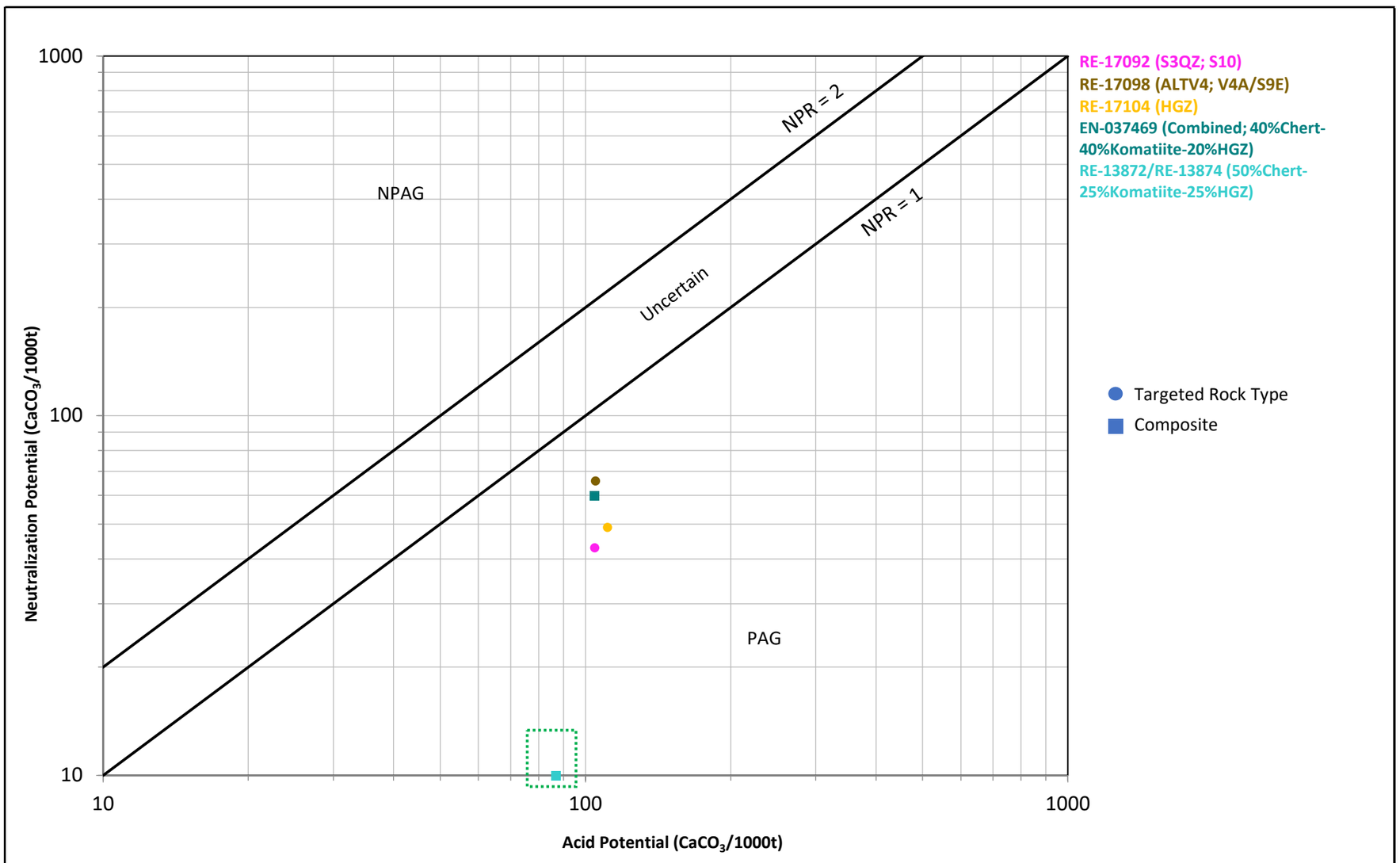
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

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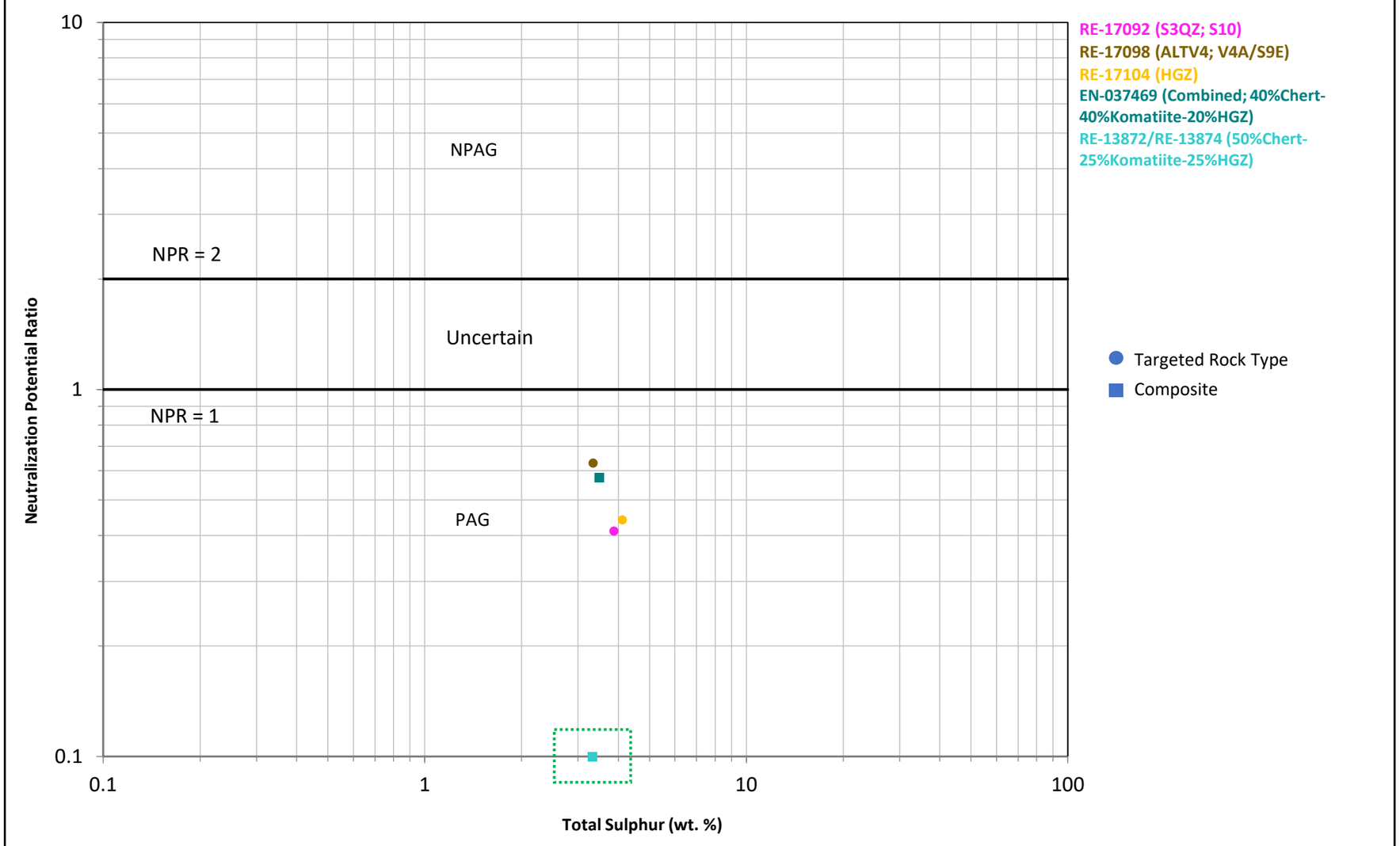
GOLDER

Static Testing:
Whale Tail Pit Tailings

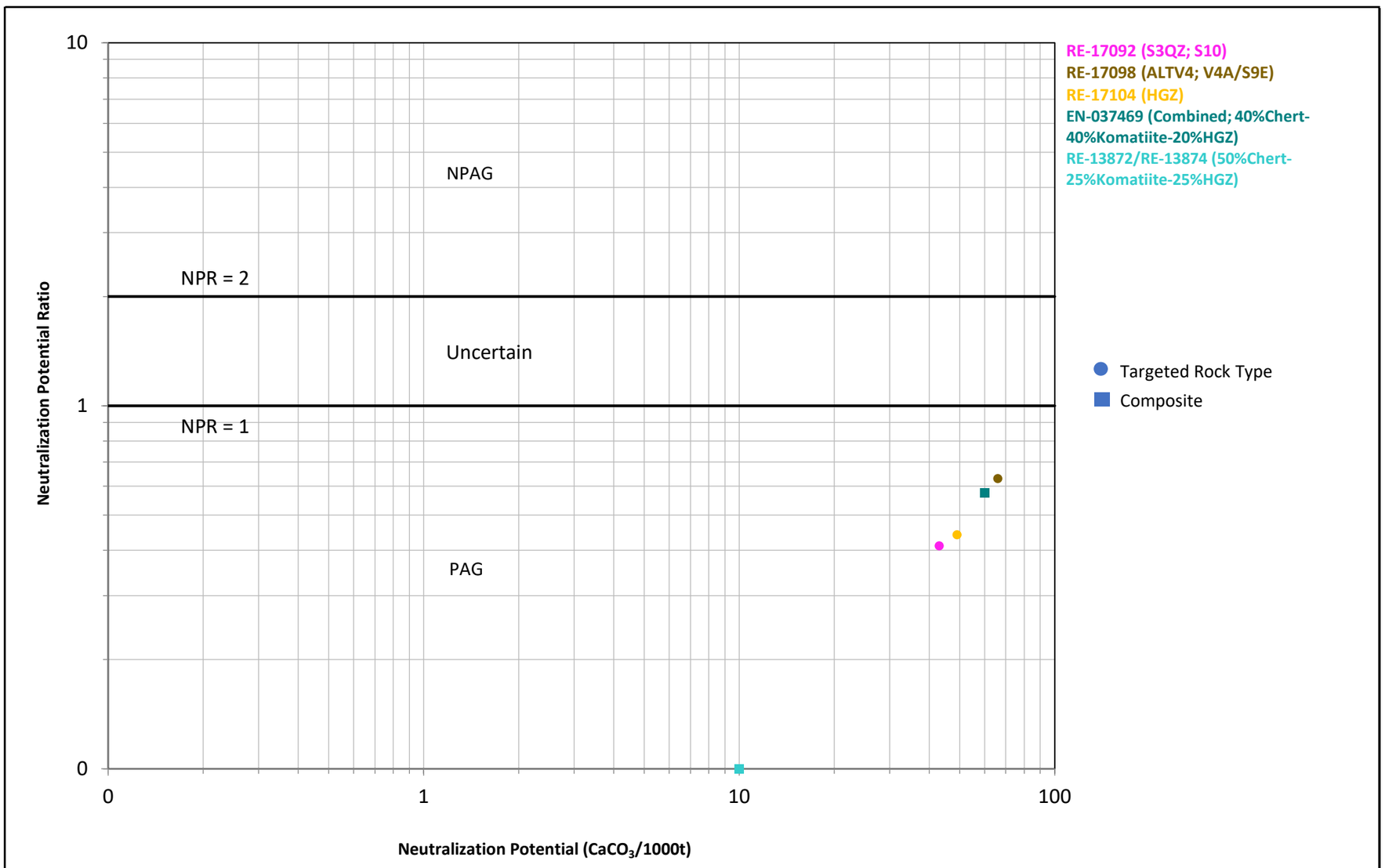
APPENDIX FIGURE H- 2



Notes: - Values < MDL are plotted as MDL value - Green square indicates negative values which have been assigned a low value to plot on the log-log scale	**Neutralization Potential versus Acid Potential**			**Static Testing: Whale Tail Pit Tailings**	
Criteria: MEND (2009)	PREPARED	SD	DATE	Oct-18	**Agnico Eagle Mines Limited Meadowbank Division**
	CHECKED	REJ	JOB NO	1789310	GOLDER
	REVIEWED	JMC	PHASE/TASK	9200	**APPENDIX FIGURE H- 3**



Notes: - Values < MDL are plotted as MDL value - Green square indicates negative values which have been assigned a low value to plot on the log-log scale	**Neutralization Potential Ratio versus Total Sulphur**			**Static Testing: Whale Tail Pit Tailings**	
Criteria: MEND (2009)	PREPARED	SD	DATE	Oct-18	**Agnico Eagle Mines Limited Meadowbank Division**
	CHECKED	REJ	JOB NO	1789310	GOLDER
	REVIEWED	JMC	PHASE/TASK	9200	**APPENDIX FIGURE H- 4**



Notes:
- Values < MDL are plotted as MDL value

Criteria:
MEND (2009)

Neutralization Potential Ratio versus Neutralization Potential

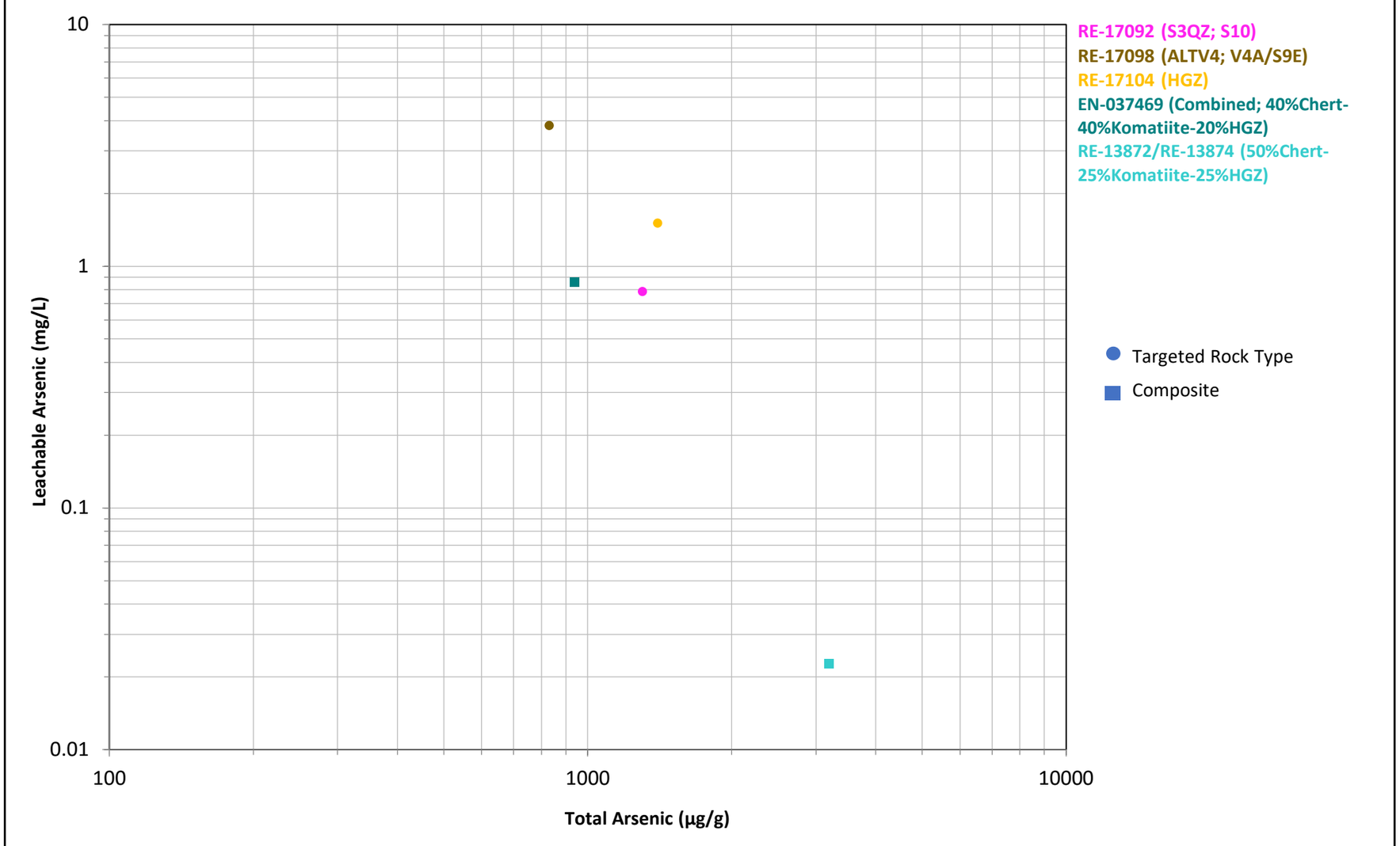
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Pit Tailings

Agnico Eagle Mines Limited Meadowbank Division

GOLDER

APPENDIX FIGURE H- 5



Notes:
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Arsenic

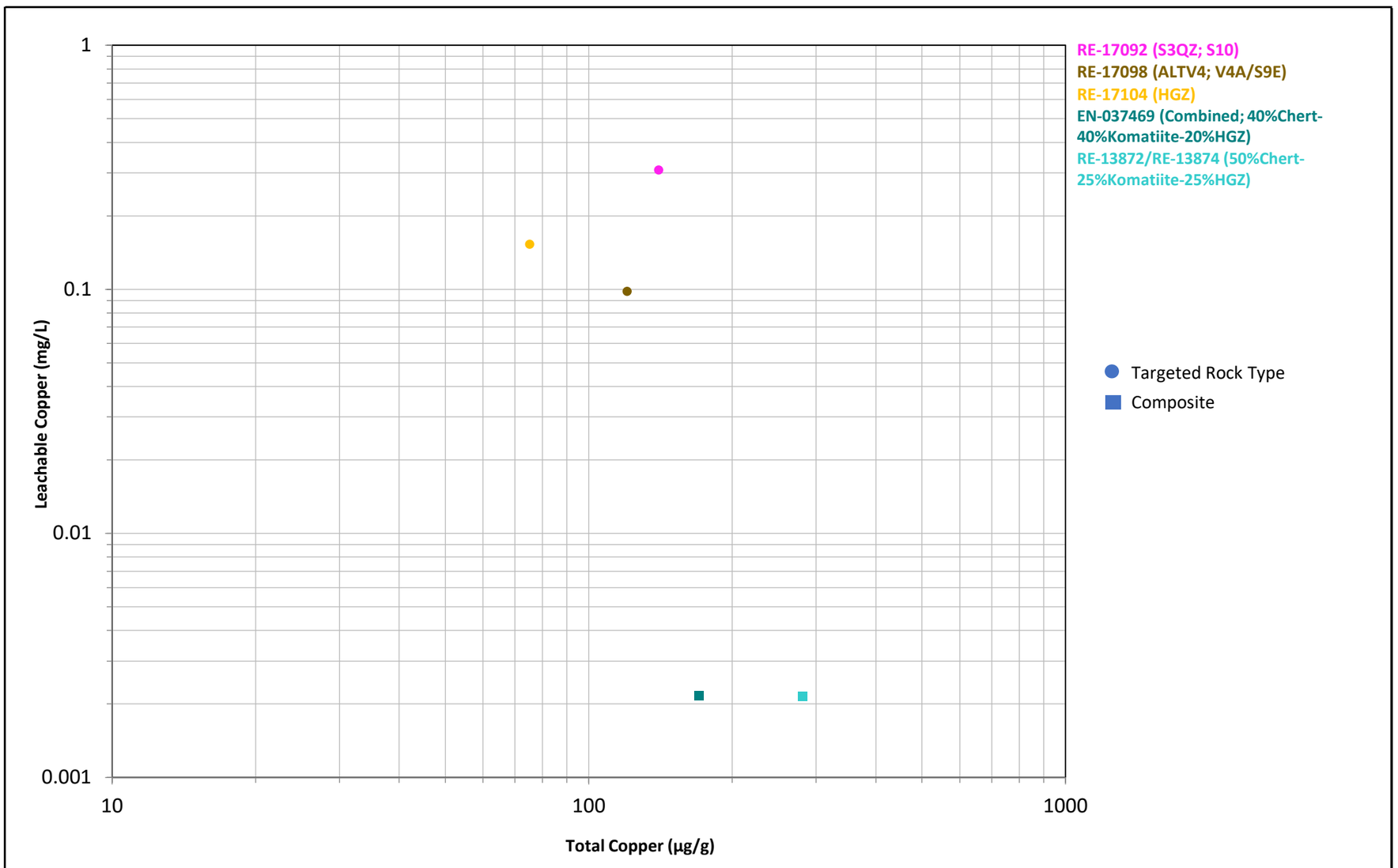
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Pit Tailings

Agnico Eagle Mines Limited Meadowbank Division

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APPENDIX FIGURE H- 6



Notes:
- Values < MDL are plotted as MDL value

Leachable Copper versus Total Copper

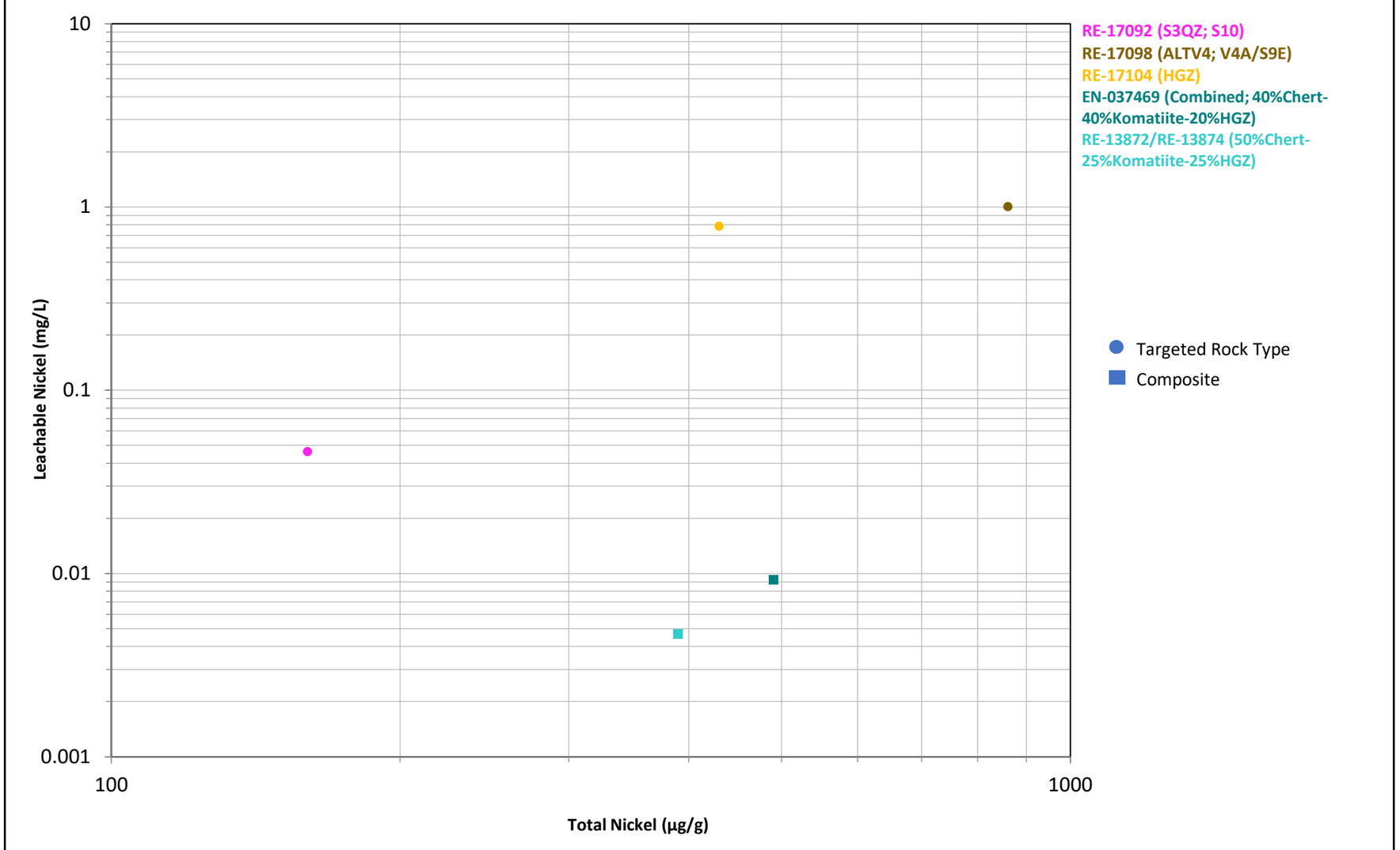
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Pit Tailings

Agnico Eagle Mines Limited Meadowbank Division

GOLDER

APPENDIX FIGURE H- 7



Notes:
- Values < MDL are plotted as MDL value

Leachable Nickel versus Total Nickel

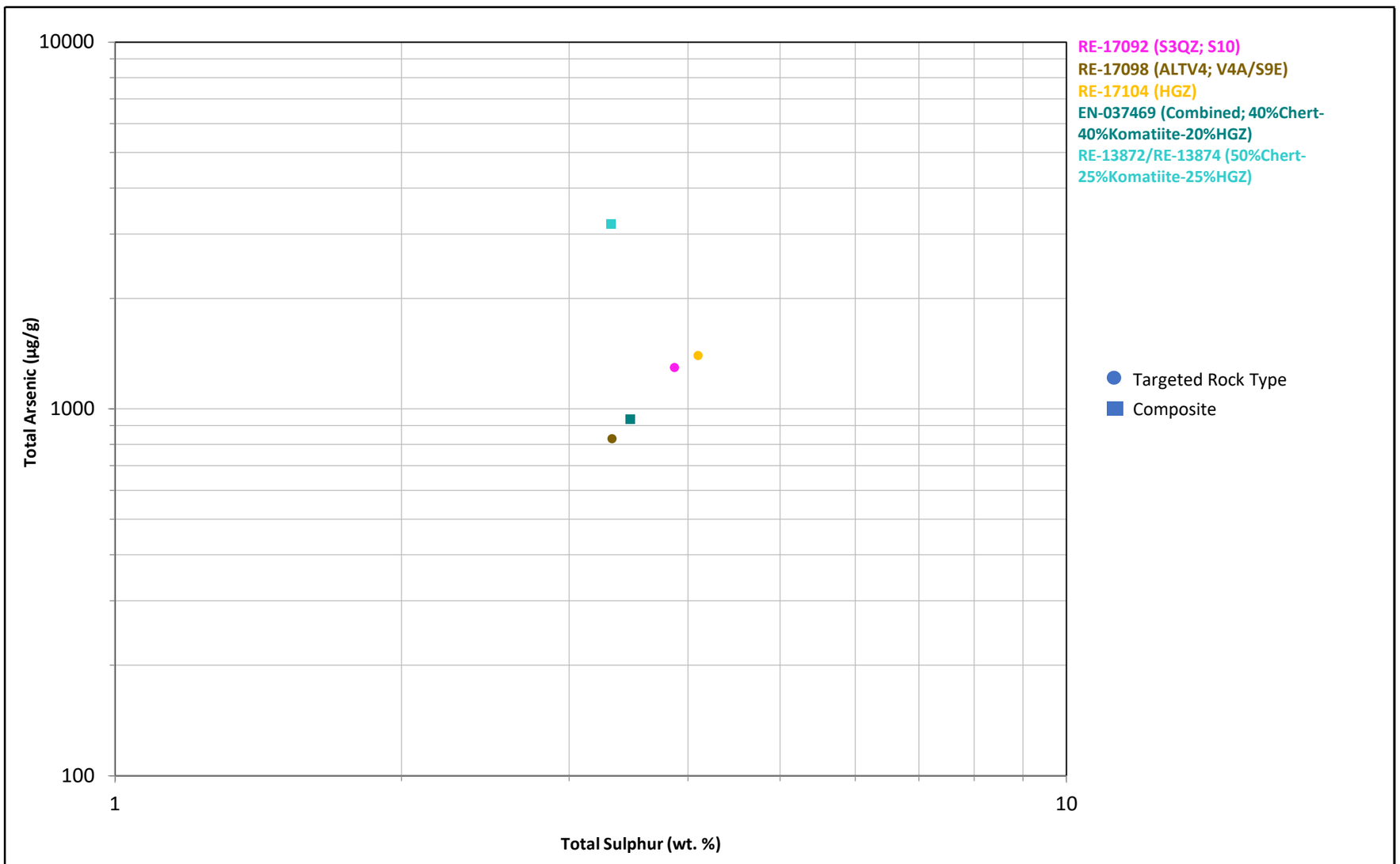
PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

Static Testing: Whale Tail Pit Tailings

Agnico Eagle Mines Limited Meadowbank Division

GOLDER

APPENDIX FIGURE H- 8



Notes:
- Values < MDL are plotted as MDL value

Total Arsenic versus Total Sulphur

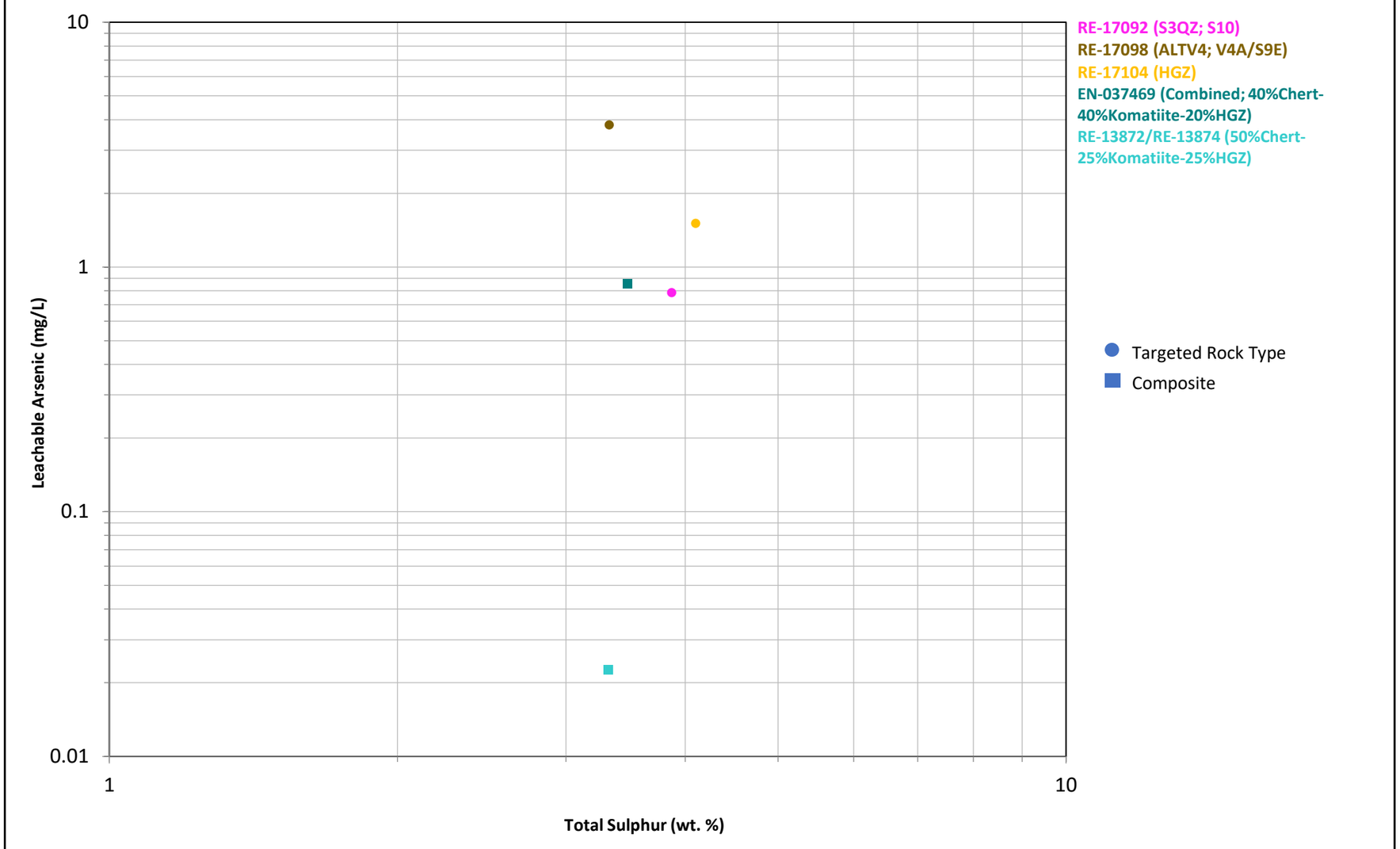
Static Testing: Whale Tail Pit Tailings

PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

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Meadowbank Division

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APPENDIX FIGURE H- 9



Notes:
- Values < MDL are plotted as MDL value

Leachable Arsenic versus Total Sulphur

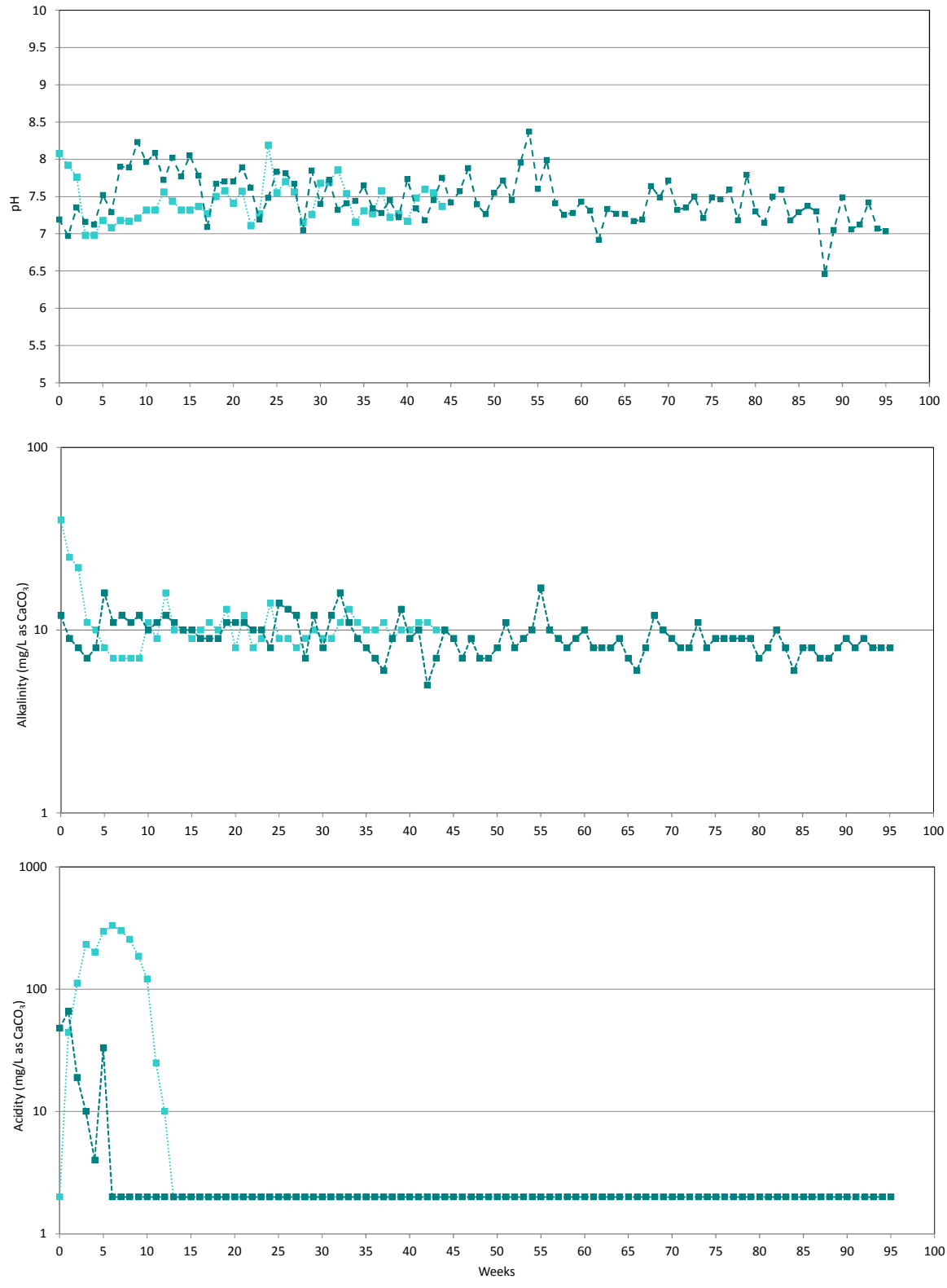
Static Testing: Whale Tail Pit Tailings

PREPARED	SD	DATE	Oct-18
CHECKED	REJ	JOB NO	1789310
REVIEWED	JMC	PHASE/TASK	9200

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Meadowbank Division

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APPENDIX FIGURE H- 10



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

pH
Alkalinity
Acidity

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	2E+06
REVIEWED	VJB	PHASE	9200

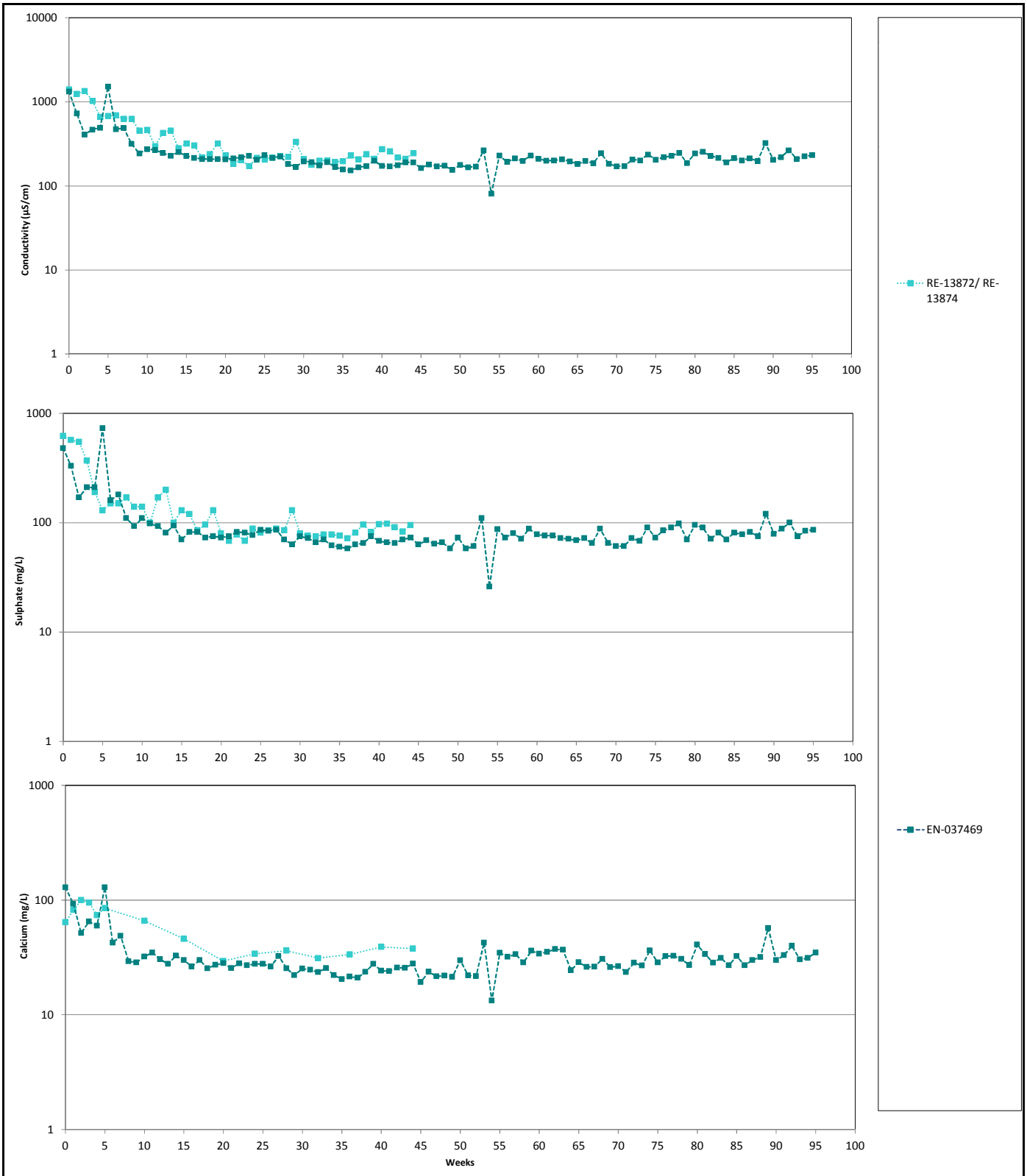
Kinetic Tests for Tailings

Whale Tail Pit Project

Agnico Eagle Mines Ltd.
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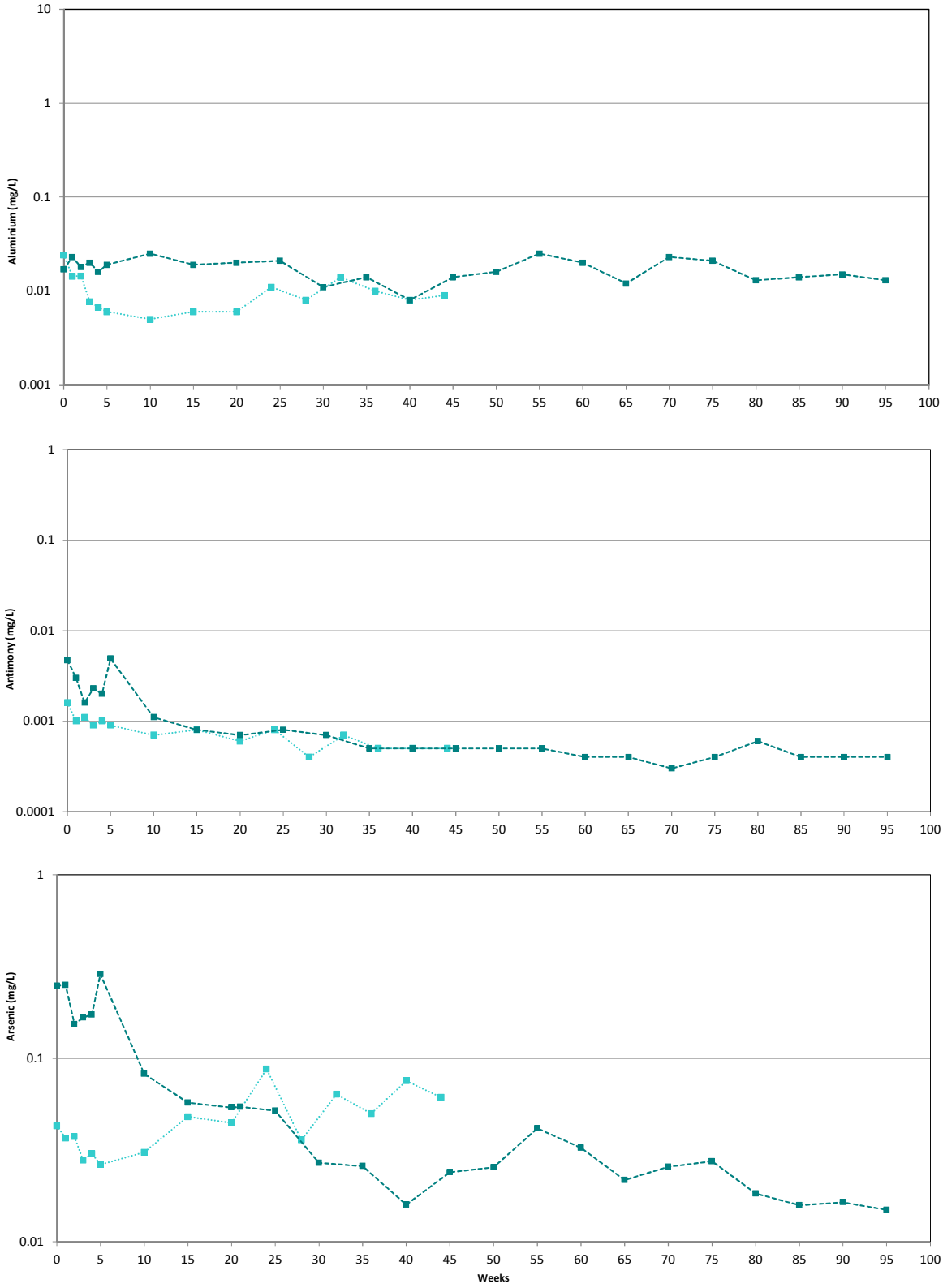
GOLDER

APPENDIX FIGURE H- 11



Notes: Test results for 1 kg HCT Values < MDL are plotted as MDL value	Rock Type: 40%Chert-40%Komatiite-20%HGZ 50%Chert-25%Komatiite-25%HGZ	**Conductivity Sulphate Calcium**	**Kinetic Tests for Tailings** **Whale Tail Pit Project**

DRAWN	REJ	DATE	Oct-18	**Agnico Eagle Mines Ltd. Meadowbank Division**	GOLDER
CHECKED	JMC	JOB NO	2E+06		
REVIEWED	VJB	PHASE	9200	**APPENDIX FIGURE H- 12**	



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

Aluminum
Antimony
Arsenic

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

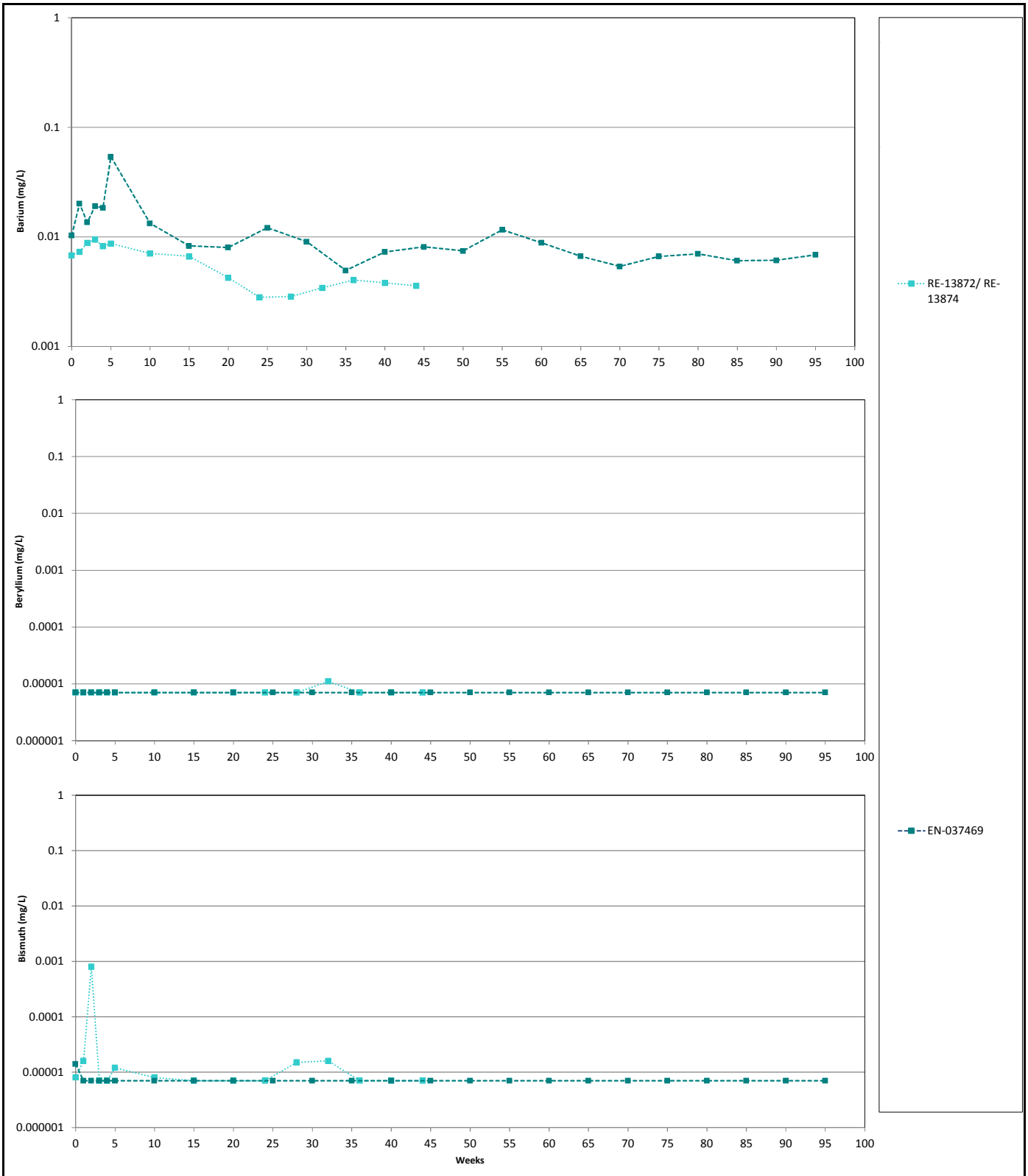
Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE H- 13



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

Barium
Beryllium
Bismuth

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

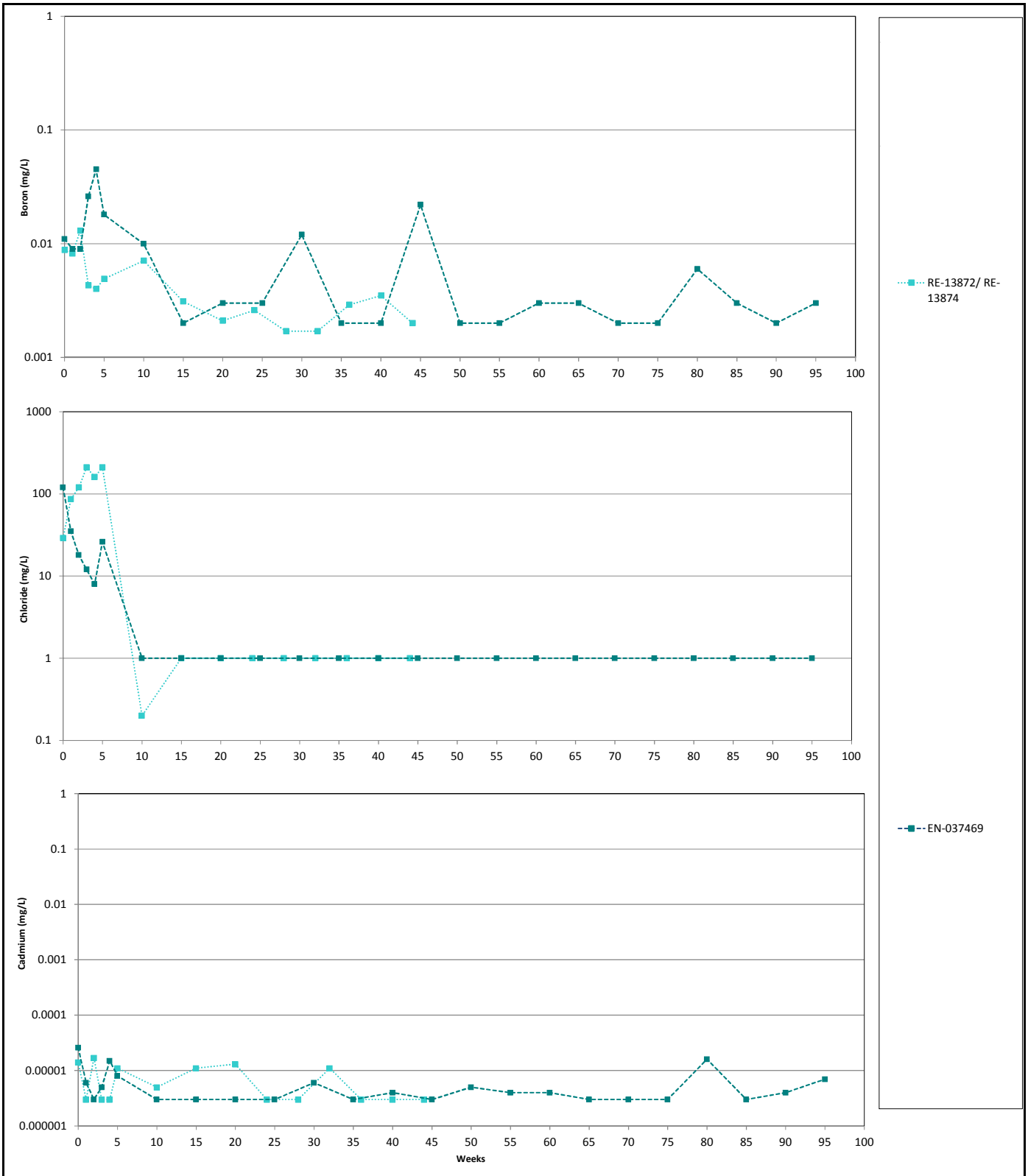
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

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APPENDIX FIGURE H- 14



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

Boron
Chloride
Cadmium

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

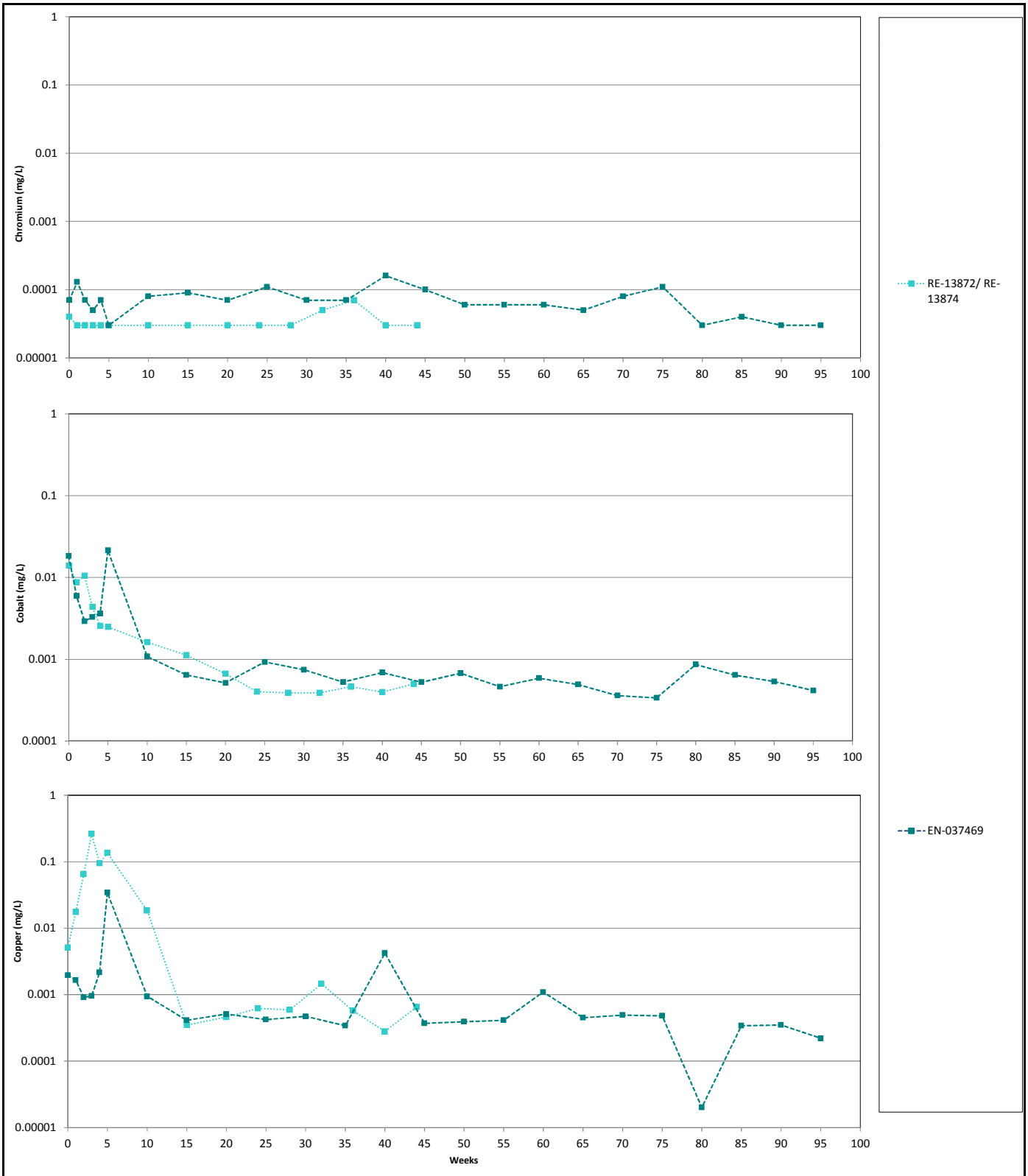
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

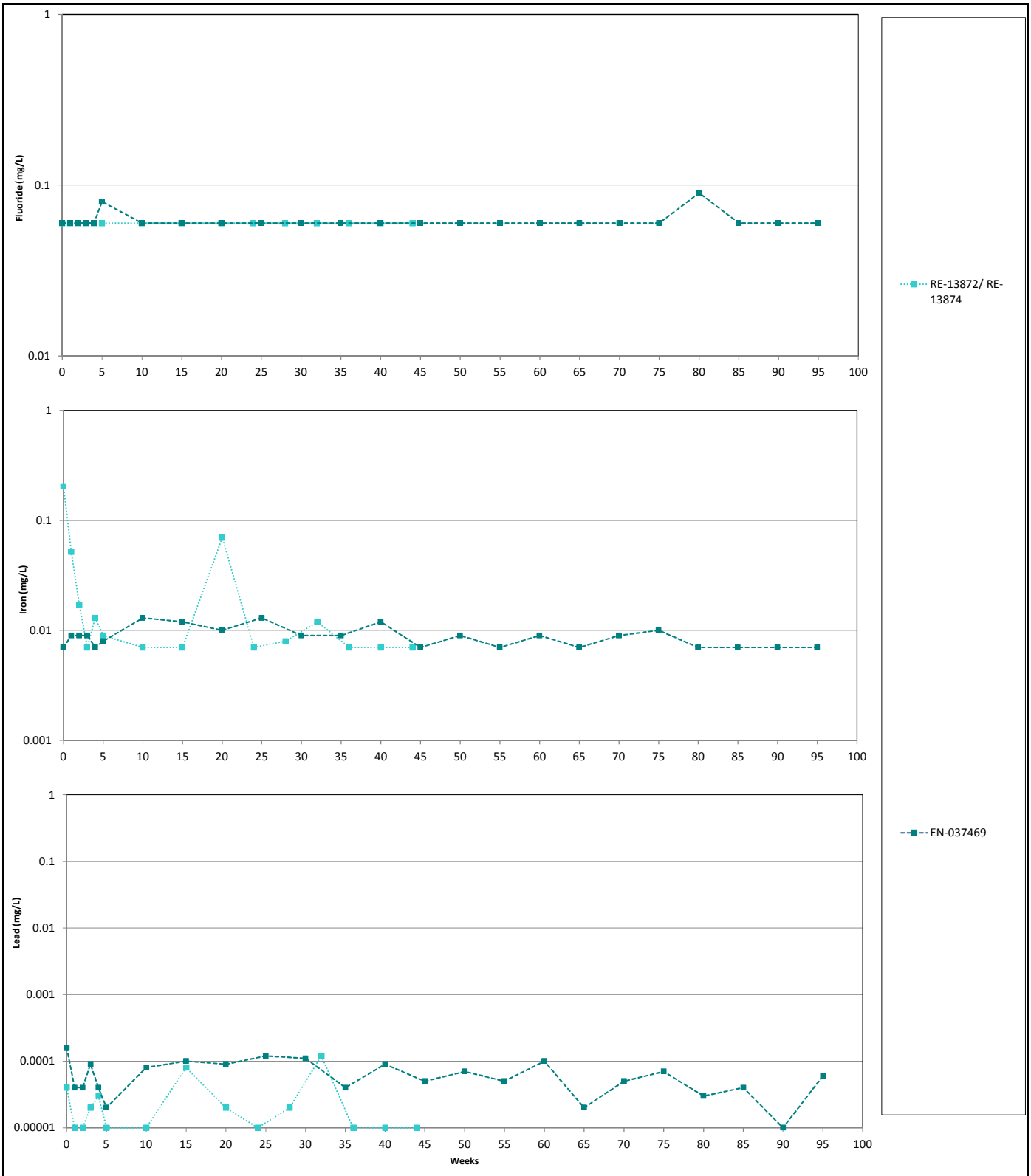
Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

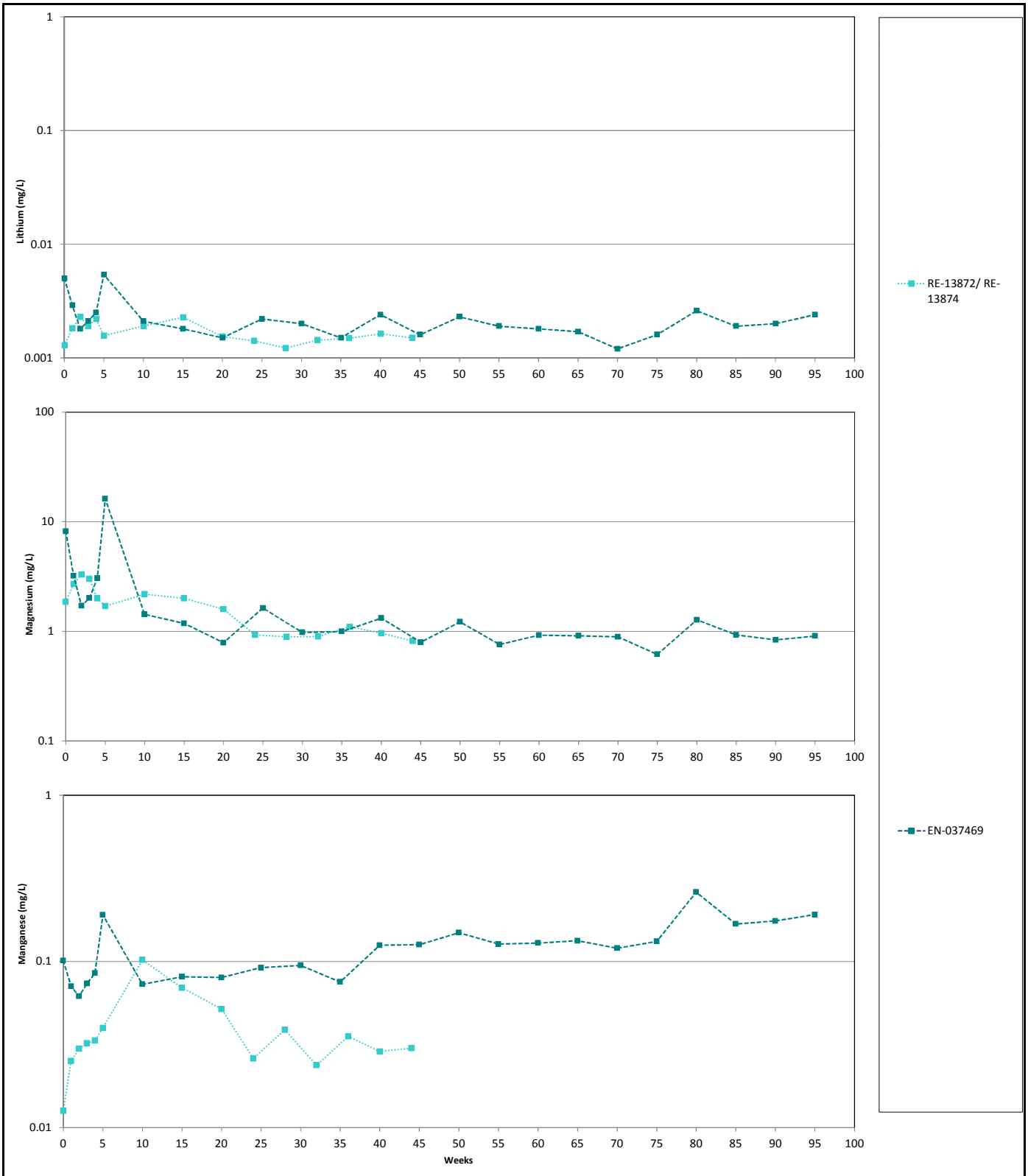
APPENDIX FIGURE H- 15



Notes: Test results for 1 kg HCT Values < MDL are plotted as MDL value	Rock Type: 40%Chert-40%Komatiite-20%HGZ 50%Chert-25%Komatiite-25%HGZ	Chromium Cobalt Copper	Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies Whale Tail Pit Project
		DRAWN REJ; CHECKED JMC; REVIEWED VJB; DATE Oct-18; JOB NO 1789310; PHASE 9200	Agnico Eagle Mines Ltd. Meadowbank Division GOLDER APPENDIX FIGURE H- 16



Notes: Test results for 1 kg HCT Values < MDL are plotted as MDL value	Rock Type: 40%Chert-40%Komatiite-20%HGZ 50%Chert-25%Komatiite-25%HGZ	**Fluoride** **Iron** **Lead**	**Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies** **Whale Tail Pit Project**
		DRAWN REJ / DATE Oct-18 CHECKED JMC / JOB NO 1789310 REVIEWED VJB / PHASE 9200	**Agnico Eagle Mines Ltd. Meadowbank Division** GOLDER **APPENDIX FIGURE H- 17**



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

Lithium
Magnesium
Manganese

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

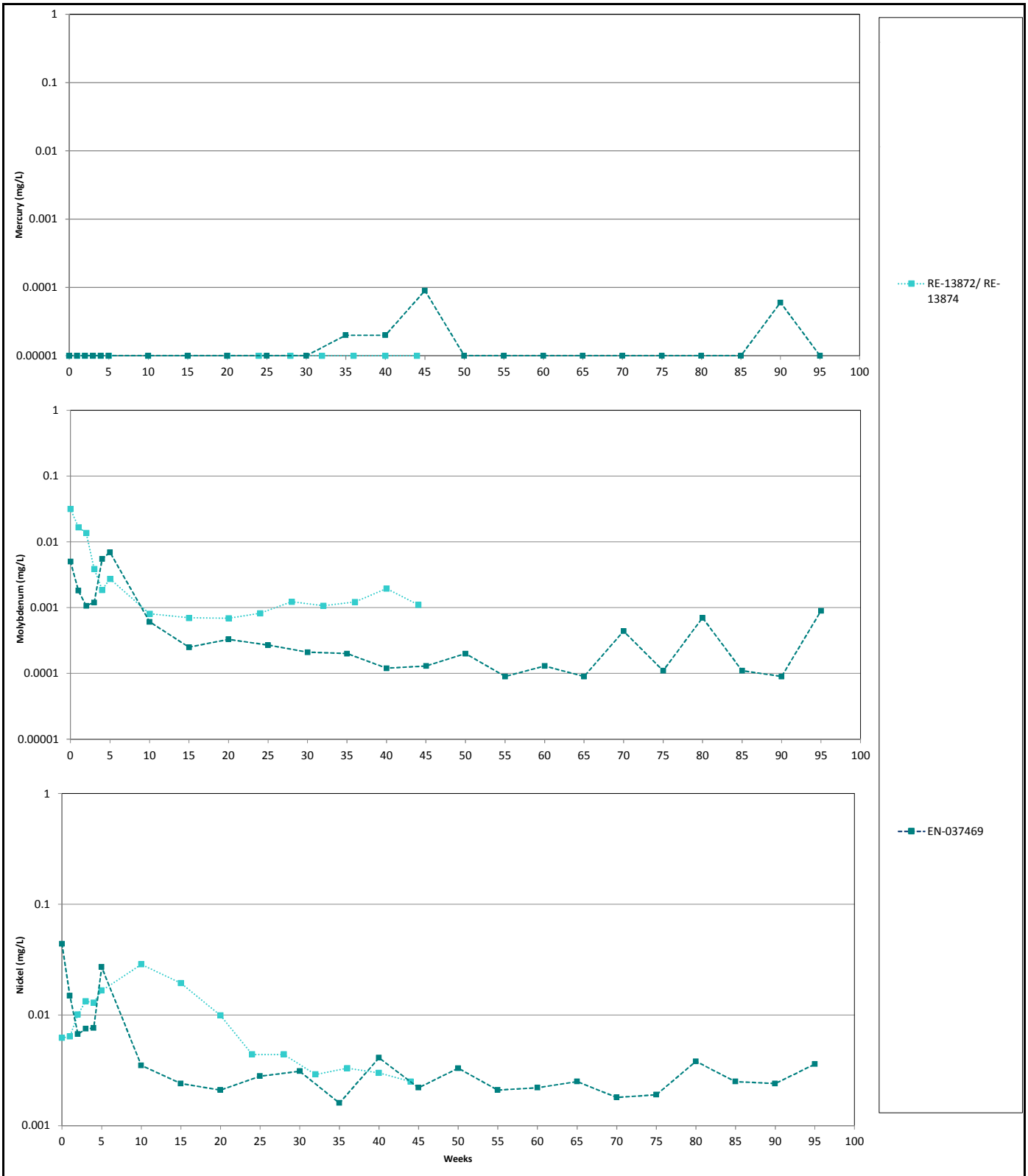
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE H- 18



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

Mercury
Molybdenum
Nickel

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

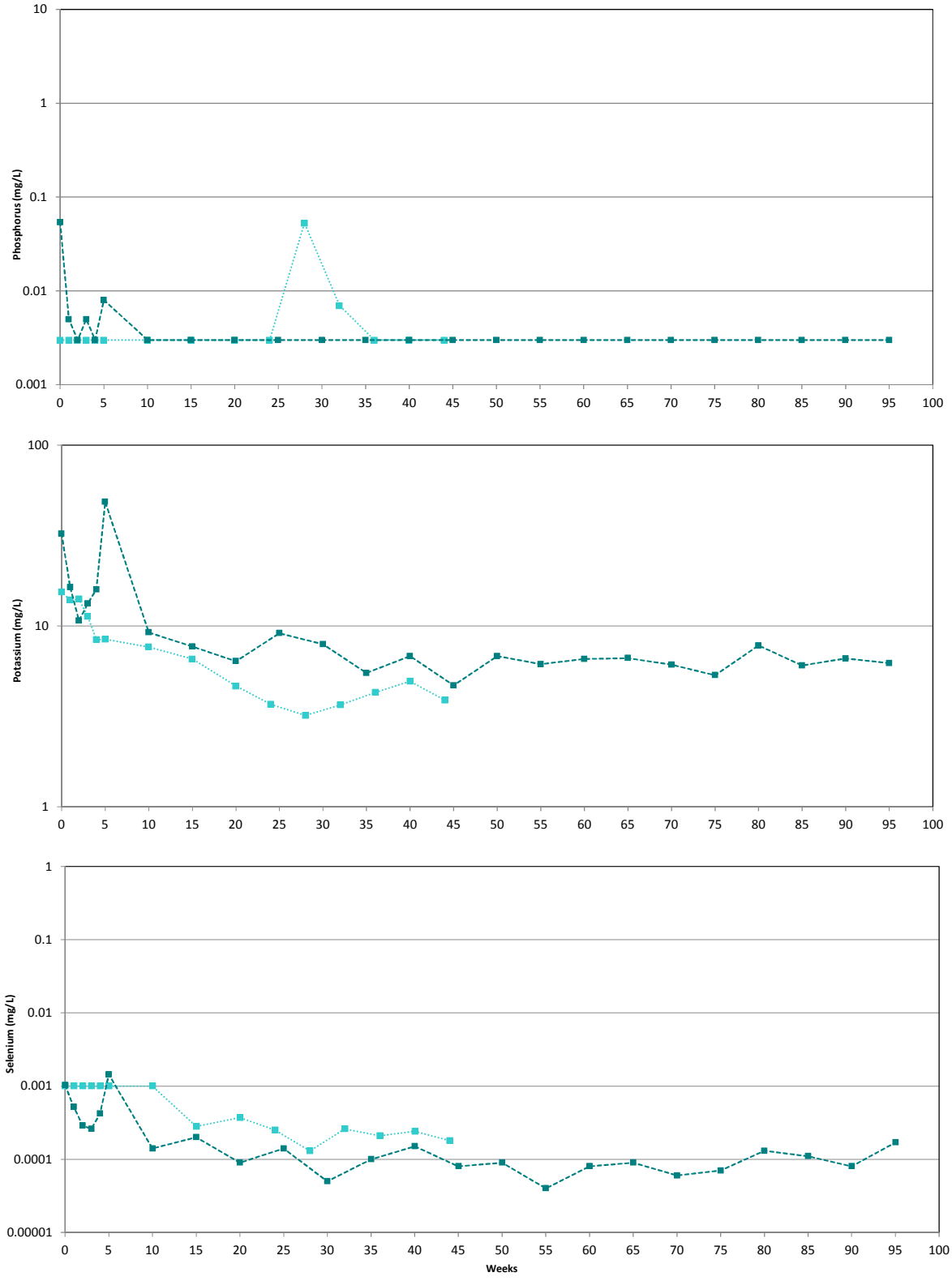
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE H- 19



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

Phosphorus
Potassium
Selenium

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

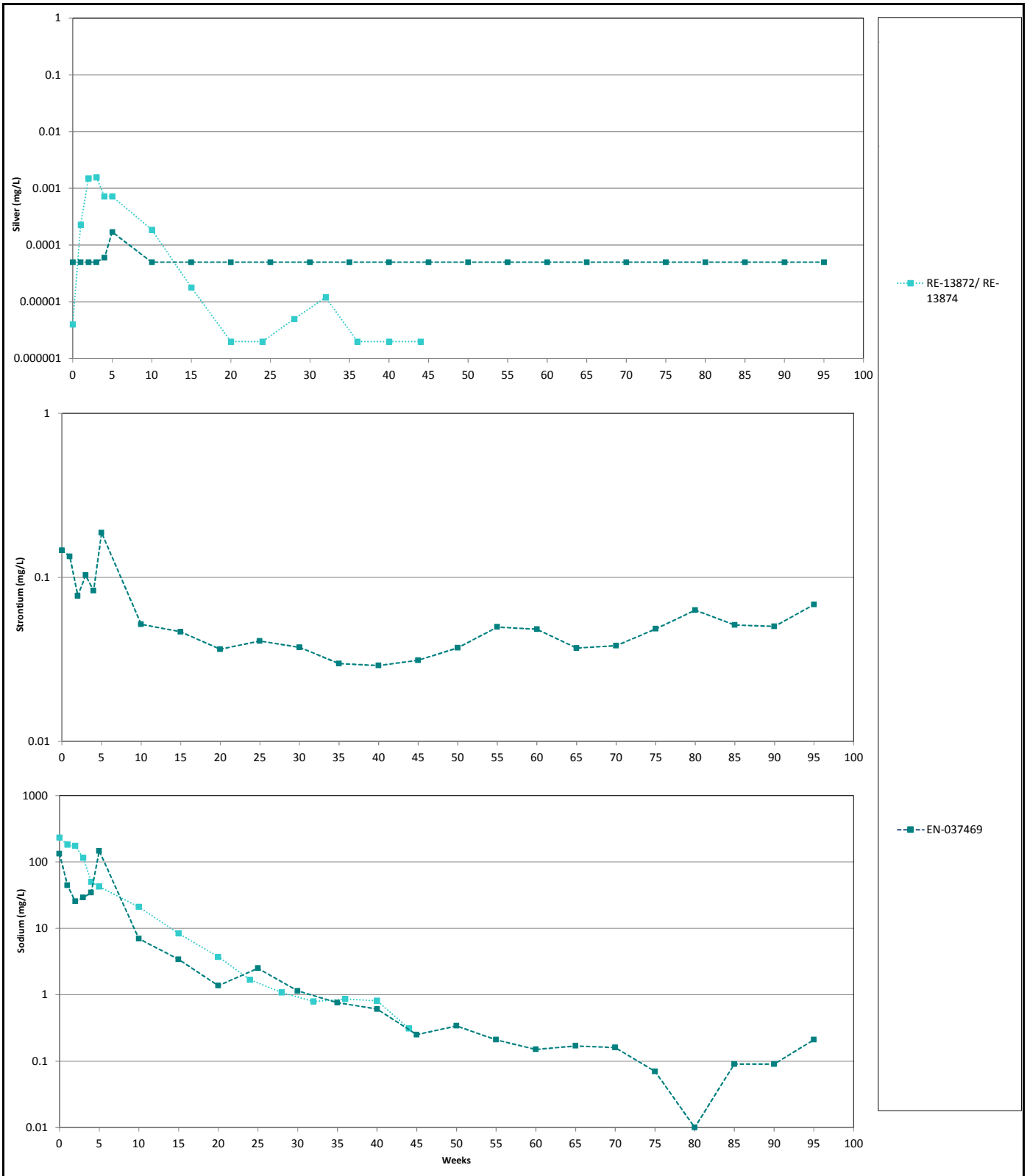
Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

Whale Tail Pit Project

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE H- 20



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

Silver
Strontium
Sodium

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

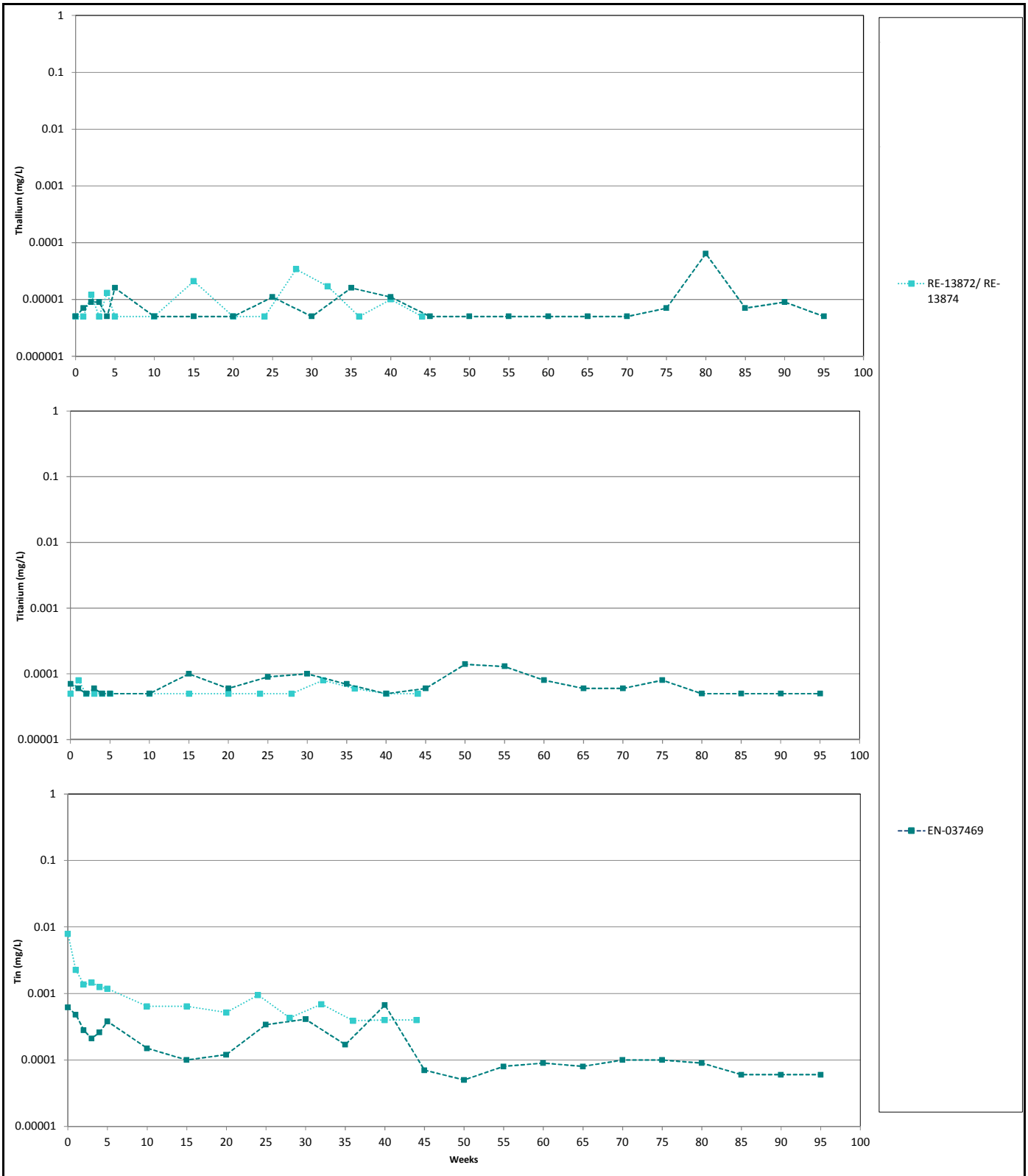
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

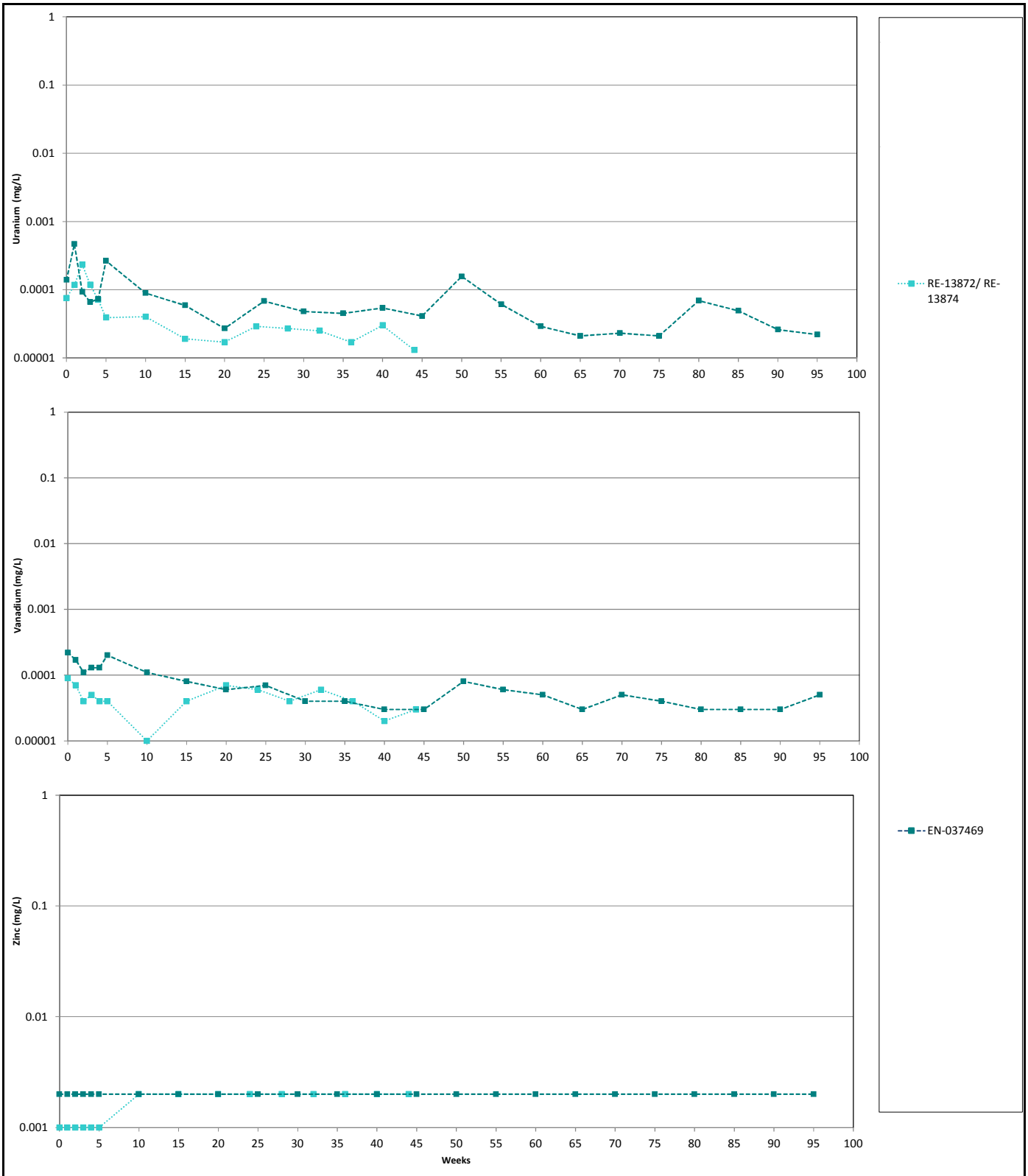
Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE H- 21



Notes: Test results for 1 kg HCT Values < MDL are plotted as MDL value	Rock Type: 40%Chert-40%Komatiite-20%HGZ 50%Chert-25%Komatiite-25%HGZ	Thallium Titanium Tin	Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies
			Whale Tail Pit Project
		DRAWN REJ; CHECKED JMC; REVIEWED VJB; DATE Oct-18; JOB NO 1789310; PHASE 9200	Agnico Eagle Mines Ltd. Meadowbank Division
			APPENDIX FIGURE H- 22



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

40%Chert-40%Komatiite-20%HGZ

50%Chert-25%Komatiite-25%HGZ

Uranium
Vanadium
Zinc

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

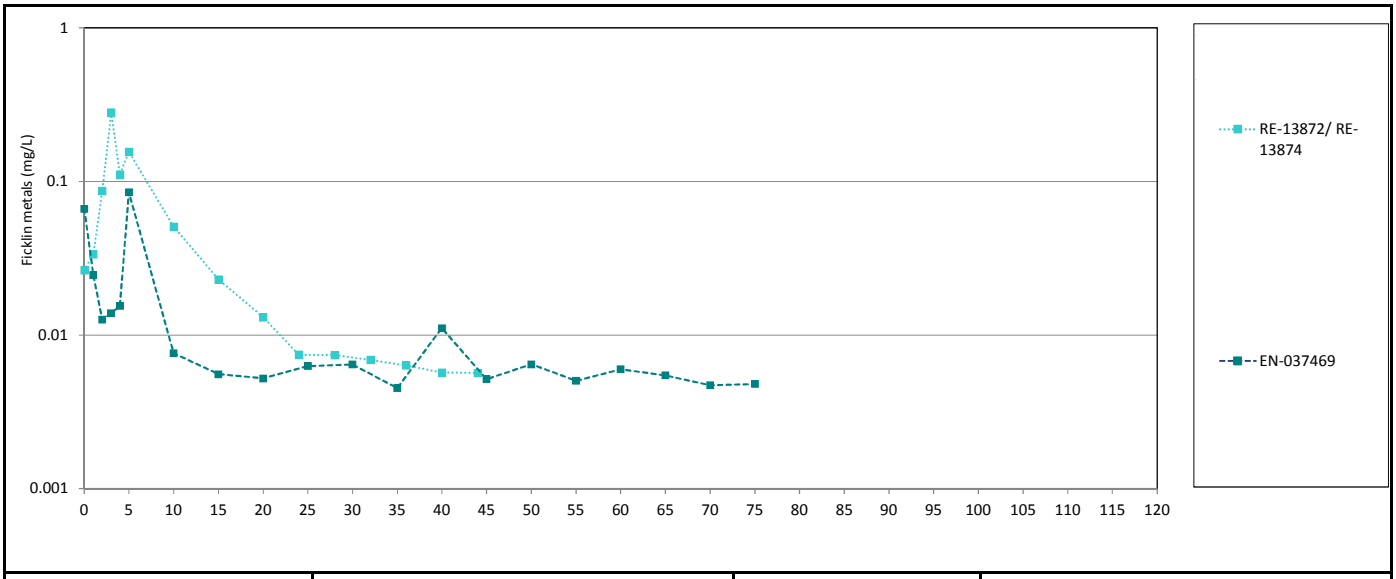
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd.
Meadowbank Division

GOLDER

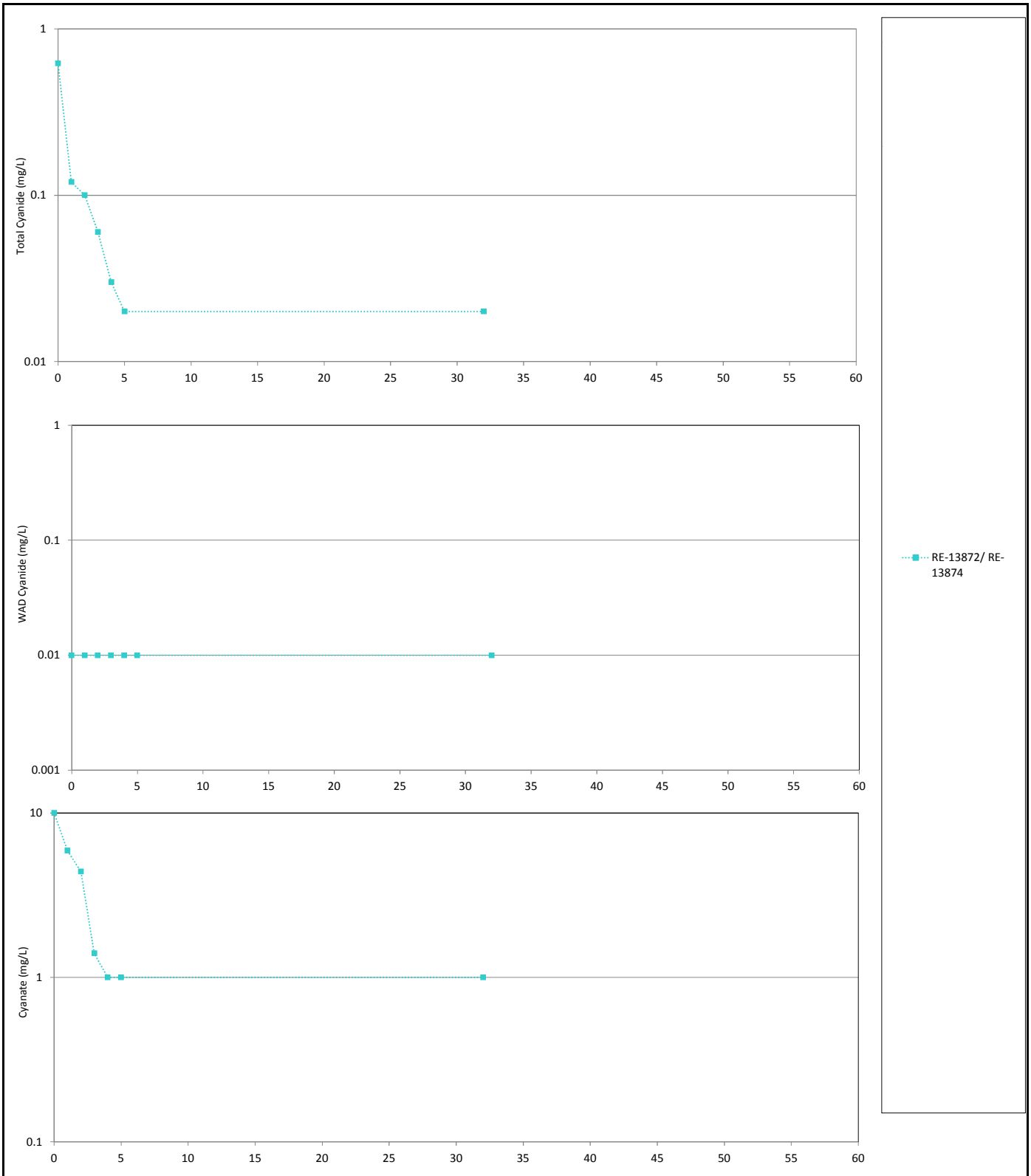
APPENDIX FIGURE H- 23



Notes: Test results for 1 kg HCT Values < MDL are plotted as MDL value	Rock Type: 40%Chert-40%Komatiite-20%HGZ 50%Chert-25%Komatiite-25%HGZ	**Ficklin Metals**	**Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies** **Whale Tail Pit Project**

DRAWN	REJ	DATE	Oct-18	**Agnico Eagle Mines Ltd. Meadowbank Division**	GOLDER
CHECKED	JMC	JOB NO	1789310		
REVIEWED	VJB	PHASE	9200		

APPENDIX FIGURE H- 24



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

50%Chert-25%Komatiite-25%HGZ

Total Cyanide
WAD Cyanide
Cyanate

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

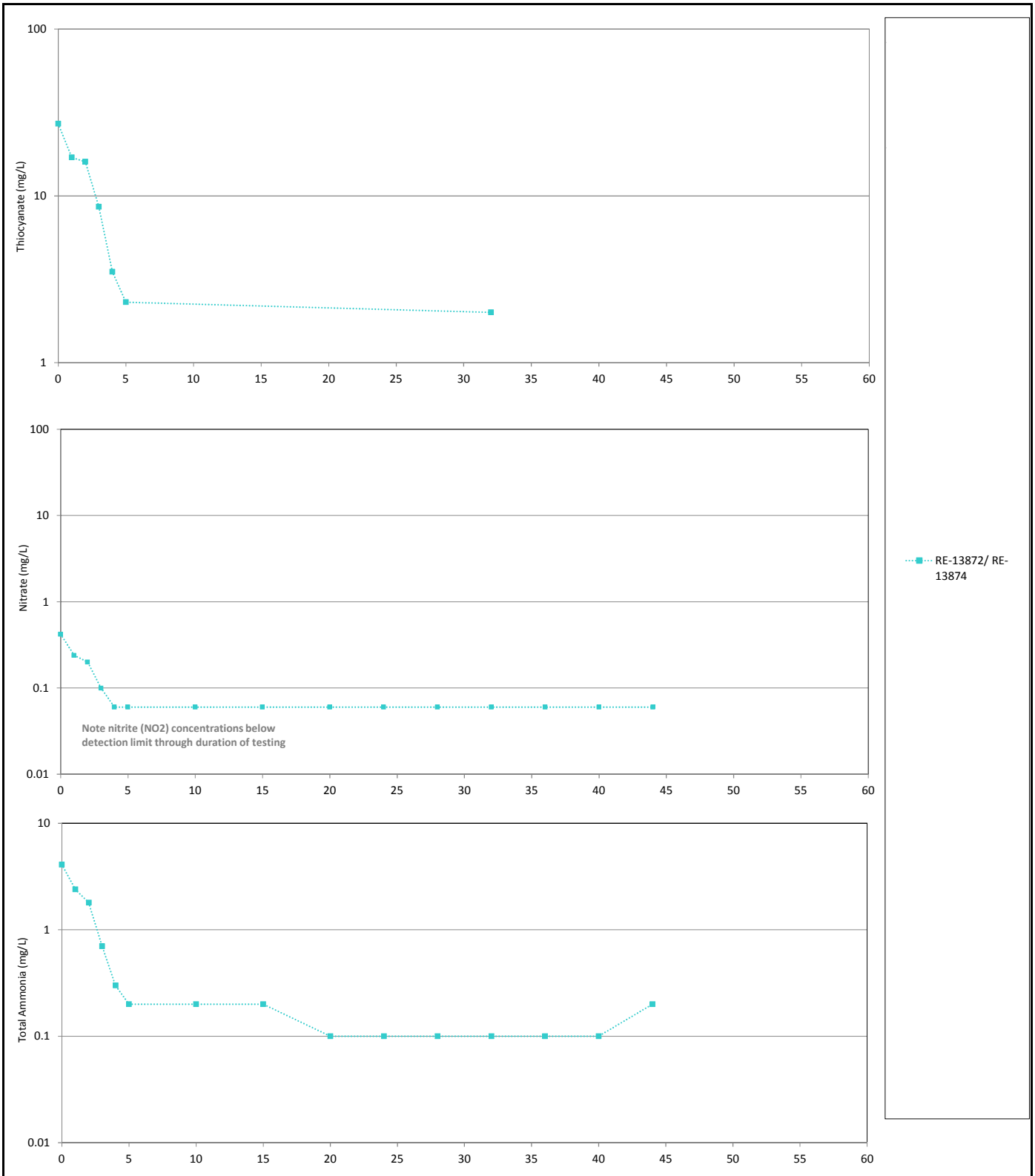
Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE H- 25



Notes:

Test results for 1 kg HCT

Values < MDL are plotted as MDL value

Rock Type:

50%Chert-25%Komatiite-25%HGZ

Thiocyanate
Nitrate
Total Ammonia

Kinetic Tests for Low Arsenic-Leachable and Variable ARD Waste Rock and Ore Lithologies

Whale Tail Pit Project

DRAWN	REJ	DATE	Oct-18
CHECKED	JMC	JOB NO	1789310
REVIEWED	VJB	PHASE	9200

Agnico Eagle Mines Ltd. Meadowbank Division

GOLDER

APPENDIX FIGURE H- 26

APPENDIX I

Loading Rates for Waste Rock, Ore, and Overburden

Appendix I
Calculated Loading Rates by Rock Type
Whale Tail Pit, Underground and IVR Pit Deposits
Agnico Eagle Mines Limited - Meadowbank Division

Constituents	Ore	South Greywacke (S3S)	Central Greywacke (S3C)	North Greywacke (S3N)	Chert (S10e)	Iron Formation (SE9)	Komatiite (0a)	Komatiite (0b)	Basalt (1b)	Diorite (8b)	Gabbro (I3)	Overburden
	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk	mg/kg/wk
Acidity	11	0.073	0.2	0.31	0.19	0.22	0.2	0.19	0.19	2.0	0.19	0
Alkalinity	5.8	1.2	4.4	2.8	6.2	3.4	3.3	3.8	3.9	3.2	3.9	65
Sulphate	19	1.6	22	34	34	4.1	2.1	3.2	2.3	1.8	2.3	4.1
Calcium	8.6	0.73	8.7	12	13	1.6	1.1	1.3	1.2	1.1	1.2	2.1
Chloride	6.1	0.072	0.26	0.33	0.33	0.54	0.29	0.27	0.19	0.98	0.19	7.1
Fluoride	0.064	0.0053	0.024	0.027	0.032	0.0074	0.008	0.0098	0.018	0.059	0.018	0.89
Mercury	0.0000098	0.00000037	0.00000094	0.00000096	0.00000098	0.00000099	0.000001	0.00000092	0.00000091	0.0000098	0.00000091	0.000058
Silver	0.000052	0.00000073	0.0000012	0.0000045	0.0000029	0.0000035	0.0000016	0.0000025	0.0000022	0.0000028	0.0000022	0.000042
Aluminum	0.025	0.0022	0.0024	0.00094	0.00075	0.0017	0.0016	0.0038	0.0028	0.039	0.0028	2.6
Arsenic	0.065	0.0021	0.0014	0.00025	0.0024	0.55	0.52	0.13	0.068	0.0048	0.068	0.014
Barium	0.0067	0.0011	0.0014	0.00098	0.0025	0.0015	0.0029	0.0038	0.0094	0.0023	0.0094	0.033
Beryllium	0.000011	0.00000025	0.00000067	0.00000063	0.00000067	0.00000067	0.00000072	0.00000064	0.00000064	0.0000069	0.00000064	0.00017
Boron	0.0097	0.001	0.0033	0.0038	0.0055	0.003	0.0025	0.0013	0.0014	0.0017	0.0014	0.16
Bismuth	0.000011	0.00000031	0.00000071	0.00000064	0.00000073	0.0000012	0.00000086	0.00000071	0.00000065	0.0000069	0.00000065	0.000063
Cadmium	0.0000051	0.00000039	0.0000019	0.000016	0.0000047	0.00000033	0.00000056	0.00000048	0.00000066	0.0000031	0.00000066	0.000022
Cobalt	0.00082	0.0000089	0.000057	0.00034	0.00021	0.000082	0.000088	0.000062	0.000049	0.00015	0.000049	0.0028
Chromium	0.000069	0.0000045	0.0000037	0.00001	0.0000063	0.000013	0.000021	0.000017	0.000036	0.000029	0.000036	0.01
Copper	0.00091	0.000025	0.000055	0.0001	0.000033	0.000042	0.000081	0.000045	0.00012	0.00021	0.00012	0.015
Iron	0.24	0.00029	0.0010	0.00081	0.0011	0.00083	0.0014	0.00082	0.001	0.0074	0.001	2.9
Potassium	3.7	0.54	3.6	2.5	4.7	2.2	1.7	2.0	2.0	1.0	2.0	2.0
Lithium	0.0014	0.00015	0.00045	0.00059	0.00052	0.00032	0.00031	0.00051	0.00075	0.00063	0.00075	0.0048
Magnesium	1.0	0.14	0.65	1.8	1.2	0.49	0.48	0.59	0.54	0.13	0.54	1.2
Manganese	0.089	0.00042	0.0097	0.13	0.049	0.0017	0.001	0.0015	0.0013	0.0048	0.0013	0.069
Molybdenum	0.0013	0.0002	0.00068	0.00011	0.0003	0.00014	0.00017	0.00043	0.00051	0.0013	0.00051	0.0014
Nickel	0.031	0.00004	0.00025	0.0013	0.0017	0.0024	0.0012	0.00057	0.00041	0.0003	0.00041	0.0096
Phosphorus	0.0048	0.00017	0.00038	0.00039	0.00038	0.00048	0.0004	0.0004	0.0018	0.0032	0.0018	0.13
Lead	0.000032	0.0000047	0.0000033	0.0000065	0.0000036	0.000002	0.000004	0.0000042	0.000016	0.000021	0.000016	0.0024
Antimony	0.0017	0.000082	0.00026	0.00012	0.00028	0.0083	0.0046	0.0006	0.00043	0.00038	0.00043	0.0017
Selenium	0.00017	0.000031	0.00017	0.00026	0.00014	0.000054	0.000085	0.00012	0.00061	0.000075	0.00061	0.00063
Strontium	0.022	0.0046	0.017	0.023	0.038	0.0095	0.011	0.011	0.019	0.0031	0.019	0.011
Tin	0.00013	0.000012	0.00018	0.000046	0.000016	0.0000046	0.0000075	0.000014	0.000024	0.00011	0.000024	0.00021
Thallium	0.000028	0.0000013	0.0000011	0.000002	0.0000014	0.0000013	0.0000045	0.000005	0.000004	0.0000052	0.000004	0.000021
Uranium	0.00004	0.00023	0.00078	0.00039	0.0003	0.000034	0.000081	0.00029	0.00032	0.00043	0.00032	0.0024
Vanadium	0.00026	0.000074	0.000016	0.0000068	0.0000083	0.00067	0.0011	0.00076	0.0018	0.00052	0.0018	0.0047
Zinc	0.002	0.000079	0.00019	0.00047	0.00025	0.00019	0.00019	0.00018	0.00018	0.002	0.00018	0.0086
Nitrate	0	0	0	0	0	0	0	0	0	0	0	0
Sodium	1.1	0.064	1.0	0.53	2.1	0.39	0.18	0.17	0.18	0.1	0.18	35
Ammonia	0	0	0	0	0	0	0	0	0	0	0	0

APPENDIX J

Certificates of Analysis (Static Testing)

Meadowbank
Meadowbank5-c/s only
MB17-5029
20/07/2017

		C_%_CS-ELTRA	S_%_CS-ELTRA
AMQENV17-64	ASSAY	0.109	0.577
AMQENV17-65	ASSAY	0.149	0.21
AMQENV17-66	ASSAY	0.053	0.227
AMQENV17-67	ASSAY	0.232	0.268
AMQENV17-68	ASSAY	0.138	0.11
AMQENV17-69	ASSAY	0.032	0.161
AMQENV17-70	ASSAY	0.275	0.28
AMQENV17-71	ASSAY	0.134	0.272
AMQENV17-72	ASSAY	0.169	0.469
AMQENV17-73	ASSAY	0.1	0.325
AMQENV17-74	ASSAY	0.267	0.26
AMQENV17-75	ASSAY	1.777	0.575
AMQENV17-76	ASSAY	0.59	0.895

SGS

Request for Laboratory Services and CHAIN OF CUSTODY (General)

SGS Environmental Services - Lakefield: 185 Concession St., Lakefield, ON K0L 2H0 Phone: 705-652-2000 Toll Free: 877-747-7658 Fax: 705-652-6365 Web: www.ca.sgs.com

SGS Environmental Services - London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361 Web: www.ca.sgs.com

Laboratory Information Section

Received Date (mm/dd/yyyy): 08/22/16	LAB LIMS #: Aug 15373-76
Received Time (After Hours Only): ___:___	Temperature Upon Receipt (°C):

Billing & Reporting Information

Invoice/Receipt to {3}:	
Company:	Agnico Eagle Mines Ltd.
Attention:	Ryan Vanengen
Address:	10 200, route de Preissac Rouyn-Noranda, QC, Canada J0Y 1C0
Email:	ryan.vanengen@agnicoeagle.com

Project Name/Number:	Amaruq Project Golder #1541520	**P.O. #:**	AEM PO to be provided by email

Quote #: 2015-0284

Attached Parameter List: ☐ YES ☑ NO

Turnaround Time

Is *Rush Turnaround Time Required? ☐ YES ☑ NO

Specify:

* Rush TA Requests Require Lab Approval

Client Information/Report To:

Company Name:	Golder Associates	**Phone Number:**	613-592-9600
Contact Name:	Jennifer Cole	**Fax Number:**	613-592-9602
Address:	1931 Robertson Rd, Ottawa ON, K2H 5B7	**E-mail:**	jcole@golder.com
Copy to:	Ryan Vanengen (ryan.vanengen@agnicoeagle.com)		

Client Lab #:

Sample Information

Sample Identifier	Date Sampled (mm/dd/yy)	Time Sampled	# of Bottles	Analysis Requested (please enter the analysis required below and check off which analysis applies to each sample)							
				WRA (as per quote)	ABA (as per quote)	SFE (as per quote)	ICP (as per quote)				
AMQ-ENV16-01	2016-08-13	Bag 4	1 bag	x	x	x	x				
AMQ-ENV16-02	2016-08-13	Bag 2	1 bag	x	x	x	x				
AMQ-ENV16-03	2016-08-13	Bag 2	1 bag	x	x	x	x				
AMQ-ENV16-04	2016-08-13	Bag 2	1 bag	x	x	x	x				
AMQ-ENV16-05	2016-08-13	Bag 2	1 bag	x	x	x	x				
AMQ-ENV16-06	2016-08-13	Bag 3	1 bag	x	x	x	x				
AMQ-ENV16-07	2016-08-14	Bag 3	1 bag	x	x	x	x				
AMQ-ENV16-08	2016-08-14	Bag 3	1 bag	x	x	x	x				
AMQ-ENV16-09	2016-08-14	Bag 3	1 bag	x	x	x	x				
AMQ-ENV16-10	2016-08-14	Bag 4	1 bag	x	x	x	x				
AMQ-ENV16-11	2016-08-14	Bag 4	1 bag	x	x	x	x				
AMQ-ENV16-12	2016-08-14	Bag 4	1 bag	x	x	x	x				
AMQ-ENV16-FIELD CELL-UM	2016-08-14	Bag 1	1 bag	x	x	x	x				
AMQ-ENV16-FIELD CELL-IF	2016-08-14	Bag 1	1 bag	x	x	x	x				
				15373	15374	15375	15376				

Sampled By {1}:	Jennifer Cole	(Signature)	Date:	8	13-14	16 (mm/dd/yy)
Relinquished by {2}:	Jennifer Cole	(Signature)	Date:	8	14	16 (mm/dd/yy)

Note: {1} Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. {2} Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained on file in the contract, or in an alternative format (e.g. shipping documents). {3} Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request.

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. (Printed copies are available upon request.) Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Detailed Analysis

Determination – Prep	Unit Cost (CDN$)
Dry - Drying of wet samples at 60C (if required)	$1.50
Pulverize	$5.00
Crushing	$2.75
Composite sample preparation -weighing, mixing, blending	$15.00

Whole Rock	Unit Cost (CDN)
Major Oxides by Borate Fusion XRF Includes SiO2, Al2O3, Fe2O3, MgO, CaO, Na2O, K2O, TiO2, P2O5, MnO, Cr2O3, V2O5, LOI	$40.00

Determination – Metals	Unit Cost (CDN$)
Trace Metals Scan (aqua regia digest) ICP-MS and ICP-OES Includes: Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, U, V, Zn	$55.00
Mercury (Hg) by CVAAS	$20.00
Fluoride	$25.00

Determination - ABA	Unit Cost
Modified Acid Base Accounting (ABA) Sobek Includes paste pH, Bulk NP (siderite corrected) , AP, Net NP, NP/AP calculations analysis of Total S, Total C by C/S analyzer Acid Leachable Sulphate and Sulphide by difference Carbonate by HCl leach Graphitic Carbon	$130.00

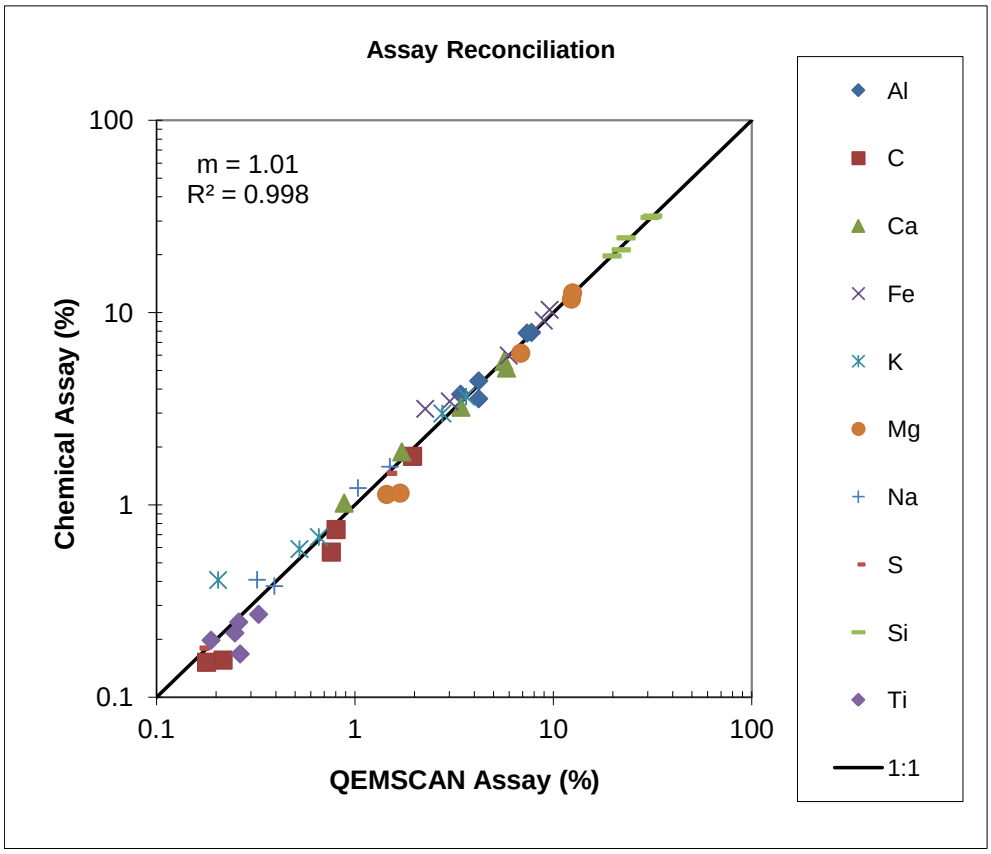
Determination – Leach Tests (rock samples)	Unit Cost (CDN$)
SFE Deionized Water Leach 24hr leach extraction using DI water at 4:1 L/S ratio pH, Alkalinity and Conductivity Trace metals by ICP-MS and ICP-OES* Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, U, V, Zn Mercury (Hg) by CVAAS Anions (Cl, SO4, NO2, NO3, Br) Ortho-phosphate Fluoride CrVI	$210.00

SFE leachate will be filtered through 0.2micron filter prior to analysis

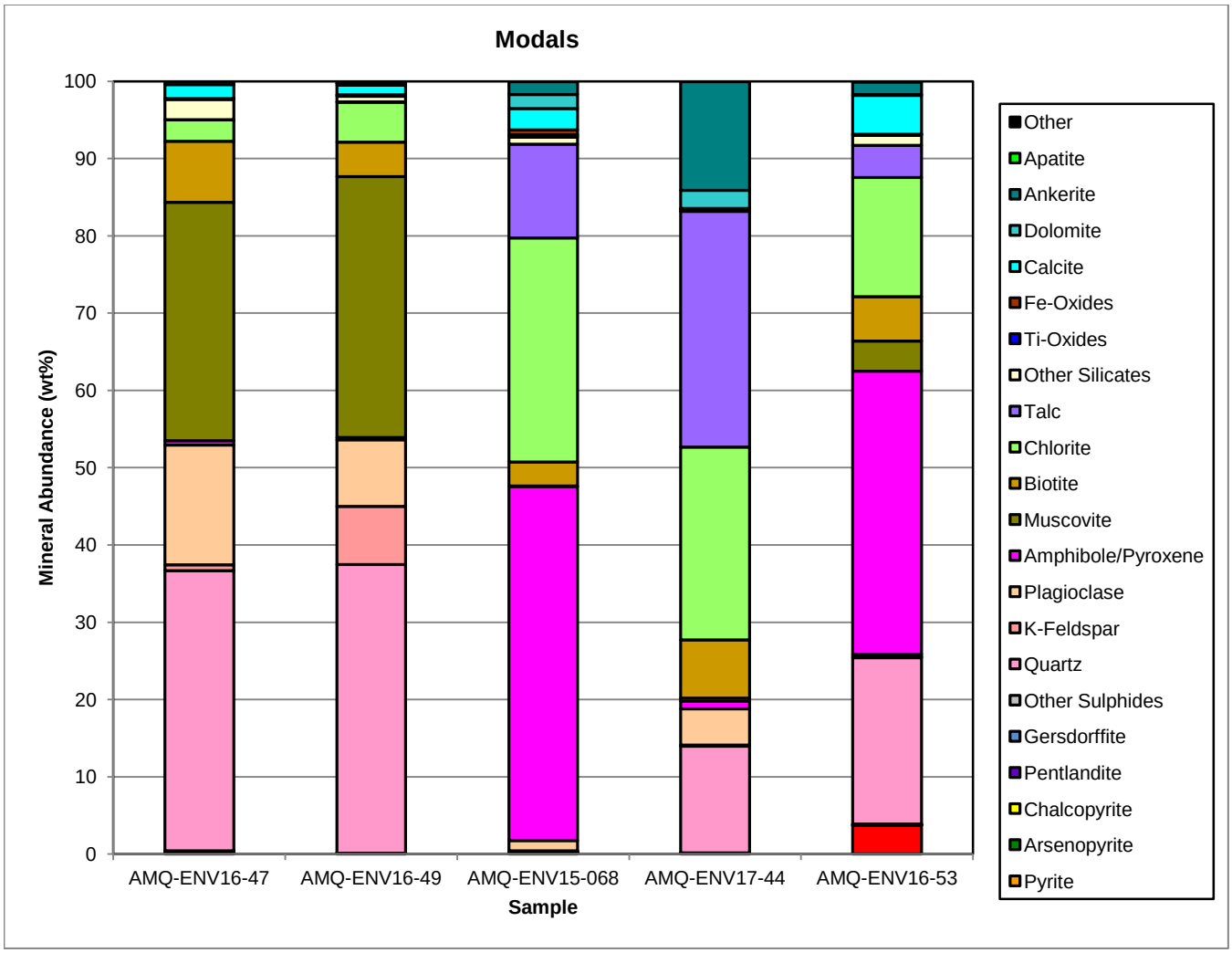
SGS Proprietary and Confidential Information

Golder
Custom-MIN
MI5004-FEB18

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)



Sample/Element	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
Al (QEMSCAN)	7.77	7.38	4.21	3.41	4.21
Al (Chemical)	7.89	7.83	4.41	3.76	3.57
C (QEMSCAN)	0.22	0.18	0.76	1.95	0.80
C (Chemical)	0.16	0.15	0.57	1.79	0.74
Ca (QEMSCAN)	1.73	0.88	5.81	3.43	5.64
Ca (Chemical)	1.89	1.02	5.15	3.22	5.57
Fe (QEMSCAN)	3.01	2.26	8.96	5.97	9.59
Fe (Chemical)	3.46	3.16	9.09	5.98	10.4
K (QEMSCAN)	2.76	3.64	0.20	0.53	0.66
K (Chemical)	2.99	3.66	0.41	0.59	0.68
Mg (QEMSCAN)	1.45	1.69	12.4	12.5	6.86
Mg (Chemical)	1.13	1.15	11.8	12.7	6.15
Na (QEMSCAN)	1.50	1.04	0.32	0.39	0.15
Na (Chemical)	1.58	1.22	0.41	0.38	0.09
S (QEMSCAN)	0.17	0.06	0.10	0.06	1.46
S (Chemical)	0.18	0.03	0.05	0.09	1.46
Si (QEMSCAN)	30.8	31.7	19.8	22.0	23.3
Si (Chemical)	31.3	31.8	19.7	21.2	24.5
Ti (QEMSCAN)	0.33	0.19	0.26	0.26	0.25
Ti (Chemical)	0.27	0.20	0.25	0.17	0.22


Modals
Mineral Abundance (wt%)
100
90
80
70
60
50
40
30
20
10
0
AMQ-ENV16-47
AMQ-ENV16-49
AMQ-ENV15-068
AMQ-ENV17-44
AMQ-ENV16-53
Sample
Other
Apatite
Ankerite
Dolomite
Calcite
Fe-Oxides
Ti-Oxides
Other Silicates
Talc
Chlorite
Biotite
Muscovite
Amphibole/Pyroxene
Plagioclase
K-Feldspar
Quartz
Other Sulphides
Gersdorffite
Pentlandite
Chalcopyrite
Arsenopyrite
Pyrite

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MI5004-FEB18

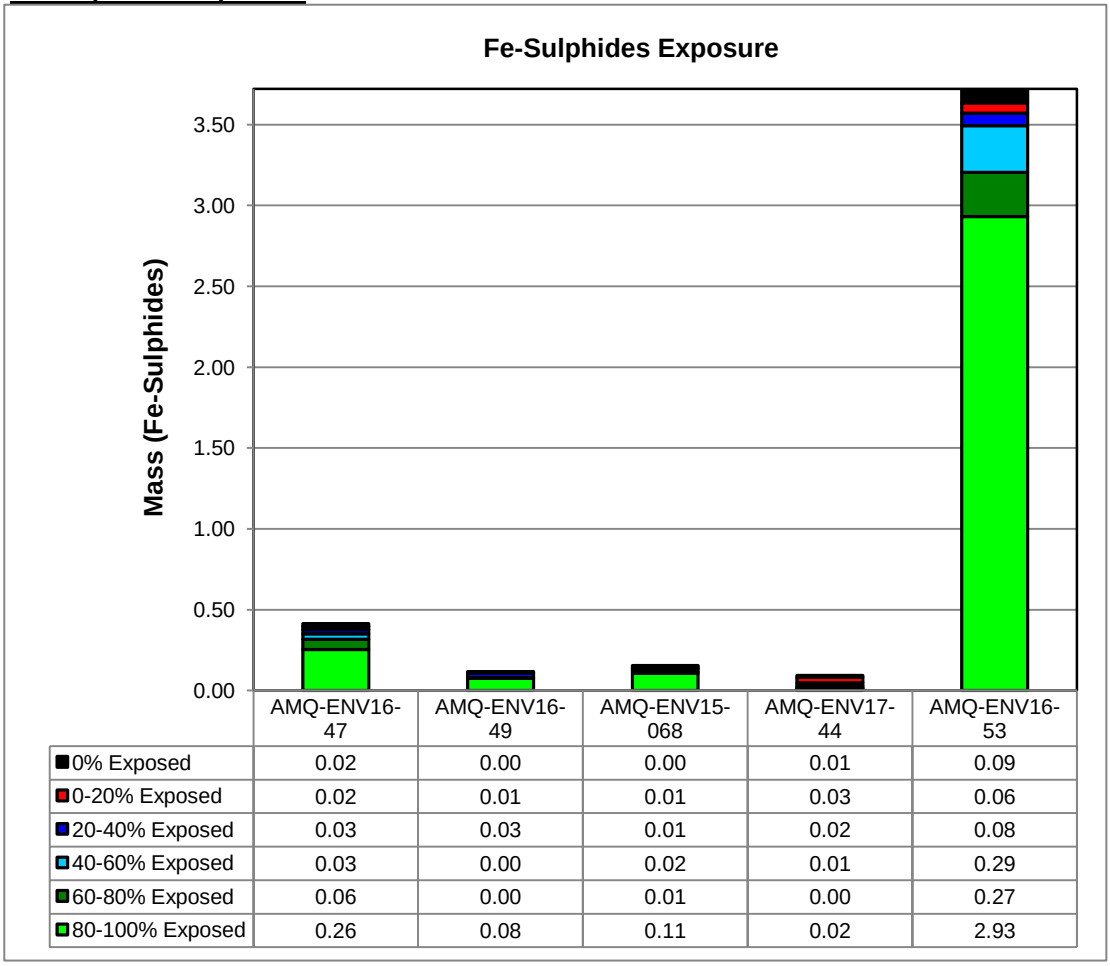
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Sample		AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
Fraction		**-300/+3um**	**-300/+3um**	**-300/+3um**	**-300/+3um**	**-300/+3um**
Calculated ESD Particle Size (µm)		30	29	19	29	25
Mineral Mass (%)	Pyrrhotite	0.41	0.08	0.13	0.09	3.71
	Pyrite	0.00	0.04	0.03	0.00	0.02
	Arsenopyrite	0.02	0.01	0.00	0.00	0.00
	Chalcopyrite	0.01	0.01	0.00	0.01	0.02
	Pentlandite	0.00	0.00	0.08	0.01	0.10
	Gersdorffite	0.00	0.00	0.05	0.06	0.08
	Other Sulphides	0.01	0.01	0.00	0.00	0.00
	Quartz	36.2	37.3	0.13	13.8	21.5
	K-Feldspar	0.78	7.55	0.00	0.14	0.09
	Plagioclase	15.5	8.60	1.33	4.70	0.34
	Amphibole/Pyroxene	0.56	0.29	45.8	0.98	36.6
	Muscovite	30.9	33.7	0.09	0.41	3.87
	Biotite	7.89	4.47	3.11	7.52	5.77
	Chlorite	2.76	5.17	29.0	24.9	15.4
	Talc	0.01	0.05	12.1	30.5	4.18
	Other Silicates	2.61	0.71	0.88	0.05	1.27
	Ti-Oxides	0.11	0.15	0.32	0.25	0.16
	Fe-Oxides	0.01	0.05	0.64	0.00	0.02
	Calcite	1.81	1.25	2.78	0.09	5.02
	Dolomite	0.00	0.20	1.80	2.32	0.12
	Ankerite	0.00	0.02	1.65	14.1	1.61
	Apatite	0.43	0.26	0.05	0.03	0.09
	Other	0.02	0.02	0.01	0.01	0.01
	Total	100.0	100.0	100.0	100.0	100.0
Mean Grain Size by Frequency (µm)	Pyrrhotite	15	12	11	17	22
	Pyrite	6	17	14	6	6
	Arsenopyrite	15	12	6	7	6
	Chalcopyrite	13	24	6	13	8
	Pentlandite	8	6	14	10	12
	Gersdorffite	0	0	18	20	18
	Other Sulphides	7	10	7	6	6
	Quartz	23	18	10	30	26
	K-Feldspar	7	13	8	12	8
	Plagioclase	15	12	16	28	12
	Amphibole/Pyroxene	7	8	17	8	21
	Muscovite	16	15	8	7	19
	Biotite	10	9	14	16	12
	Chlorite	10	11	14	16	16
	Talc	6	7	11	15	10
	Other Silicates	12	11	16	7	18
	Ti-Oxides	7	8	11	13	9
	Fe-Oxides	8	13	14	10	9
	Calcite	17	17	14	7	17
	Dolomite	0	29	11	10	8
	Ankerite	0	11	14	29	22
	Apatite	15	12	8	11	14
	Other	6	7	7	6	6

Golder
Custom-MIN
MI5004-FEB18

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

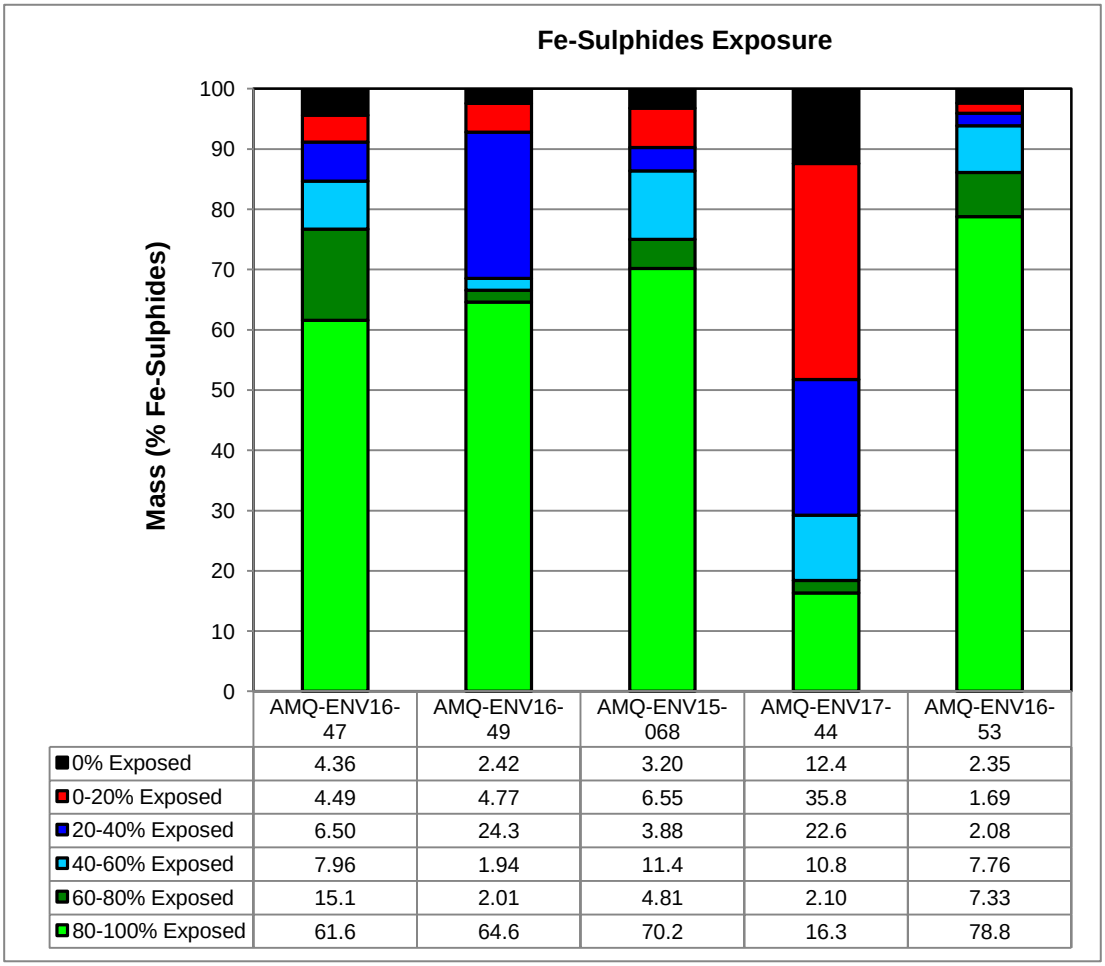
Fe-Sulphides Exposure



	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
0% Exposed	0.02	0.00	0.00	0.01	0.09
0-20% Exposed	0.02	0.01	0.01	0.03	0.06
20-40% Exposed	0.03	0.03	0.01	0.02	0.08
40-60% Exposed	0.03	0.00	0.02	0.01	0.29
60-80% Exposed	0.06	0.00	0.01	0.00	0.27
80-100% Exposed	0.26	0.08	0.11	0.02	2.93

Absolute Mass of Fe-Sulphides Across Samples

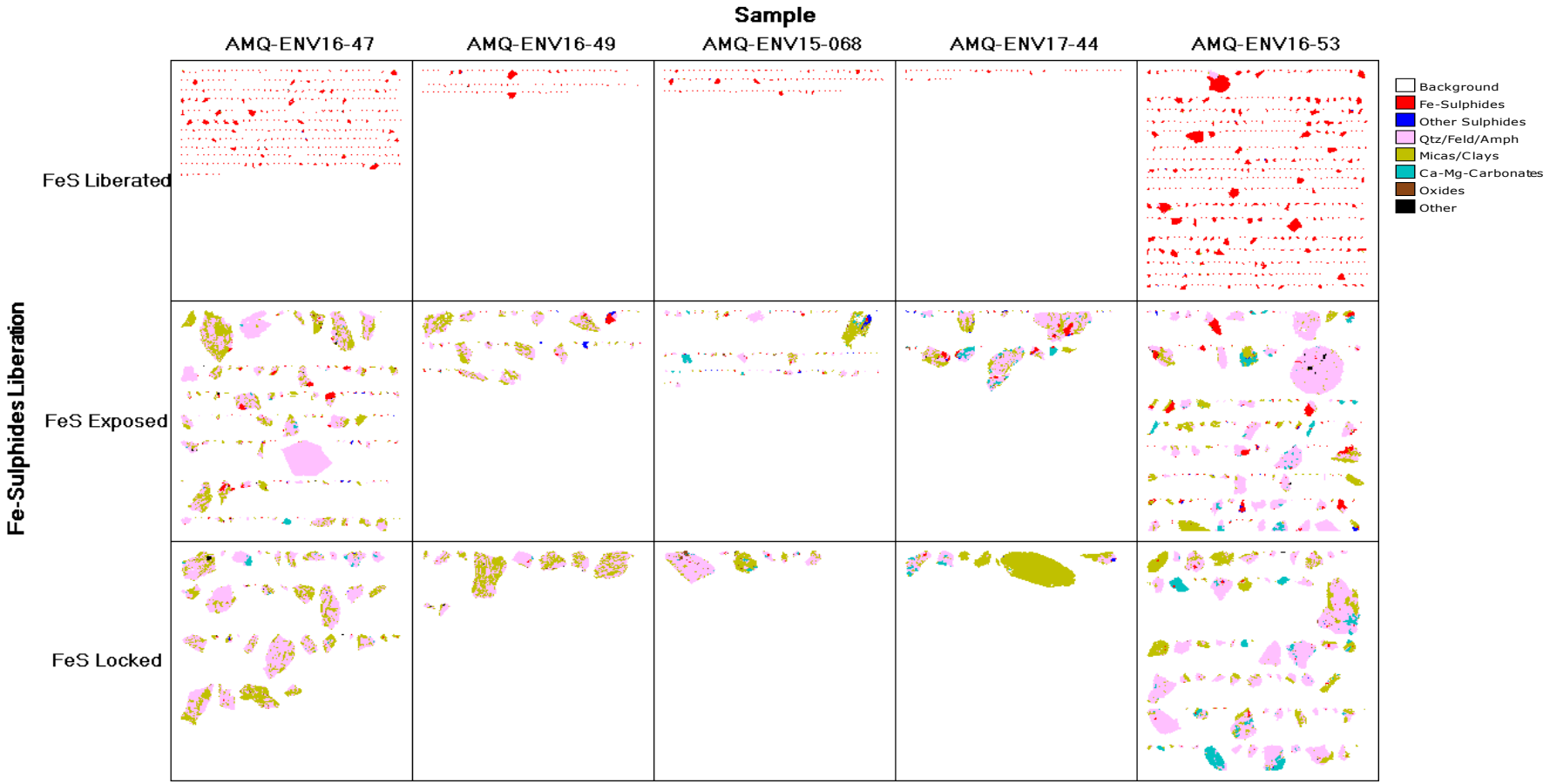
Mineral Name	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
80-100% Exposed	0.26	0.08	0.11	0.02	2.93
60-80% Exposed	0.06	0.00	0.01	0.00	0.27
40-60% Exposed	0.03	0.00	0.02	0.01	0.29
20-40% Exposed	0.03	0.03	0.01	0.02	0.08
0-20% Exposed	0.02	0.01	0.01	0.03	0.06
0% Exposed	0.02	0.00	0.00	0.01	0.09
Total	0.41	0.12	0.15	0.09	3.72



	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
0% Exposed	4.36	2.42	3.20	12.4	2.35
0-20% Exposed	4.49	4.77	6.55	35.8	1.69
20-40% Exposed	6.50	24.3	3.88	22.6	2.08
40-60% Exposed	7.96	1.94	11.4	10.8	7.76
60-80% Exposed	15.1	2.01	4.81	2.10	7.33
80-100% Exposed	61.6	64.6	70.2	16.3	78.8

Normalized Mass of Fe-Sulphides Across Samples

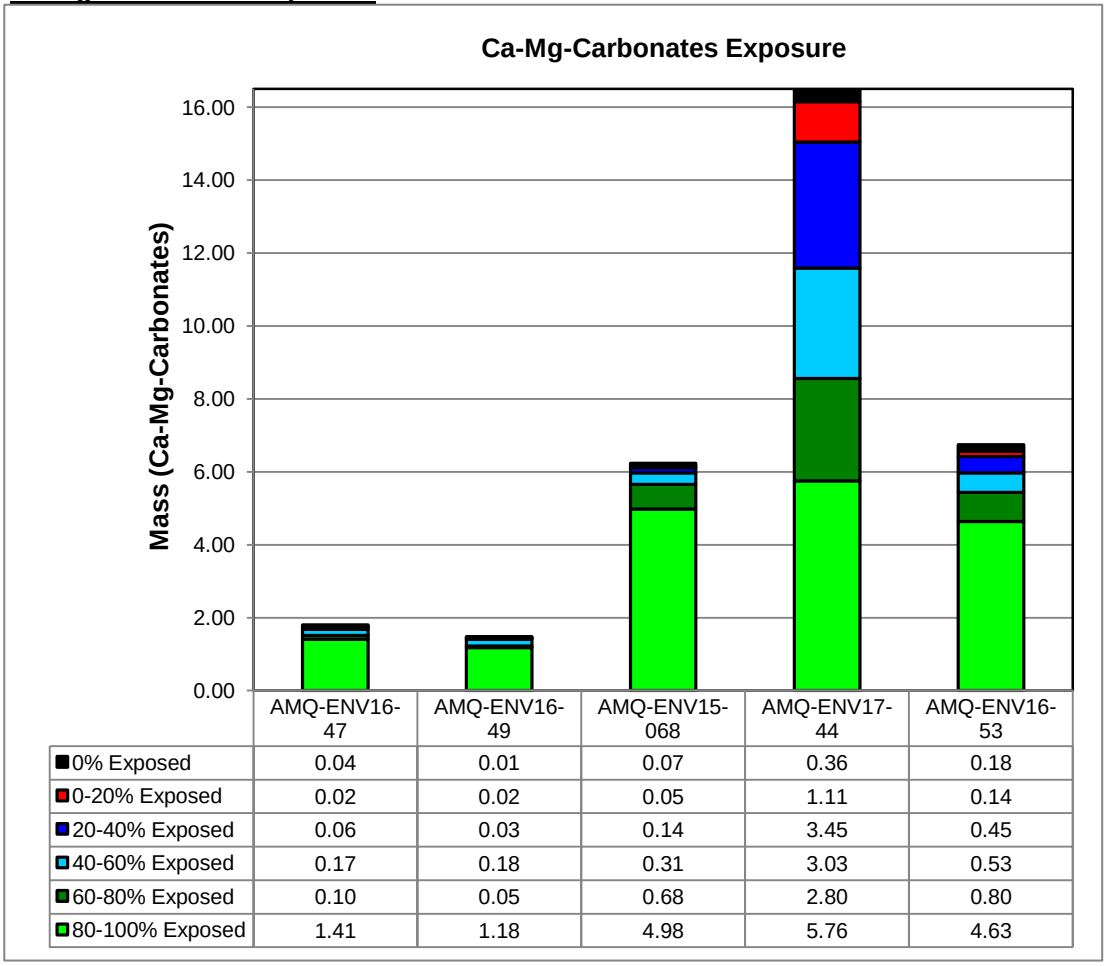
Mineral Name	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
80-100% Exposed	61.6	64.6	70.2	16.3	78.8
60-80% Exposed	15.1	2.01	4.81	2.10	7.33
40-60% Exposed	7.96	1.94	11.4	10.8	7.76
20-40% Exposed	6.50	24.3	3.88	22.6	2.08
0-20% Exposed	4.49	4.77	6.55	35.8	1.69
0% Exposed	4.36	2.42	3.20	12.4	2.35
Total	100.0	100.0	100.0	100.0	100.0
Total Exposed	95.6	97.6	96.8	87.6	97.6


Sample
AMQ-ENV16-47
AMQ-ENV16-49
AMQ-ENV15-068
AMQ-ENV17-44
AMQ-ENV16-53
Fe-Sulphides Liberation
FeS Liberated
FeS Exposed
FeS Locked
Background
Fe-Sulphides
Other Sulphides
Qtz/Feld/Amph
Micas/Clays
Ca-Mg-Carbonates
Oxides
Other

Golder
Custom-MIN
MI5004-FEB18

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

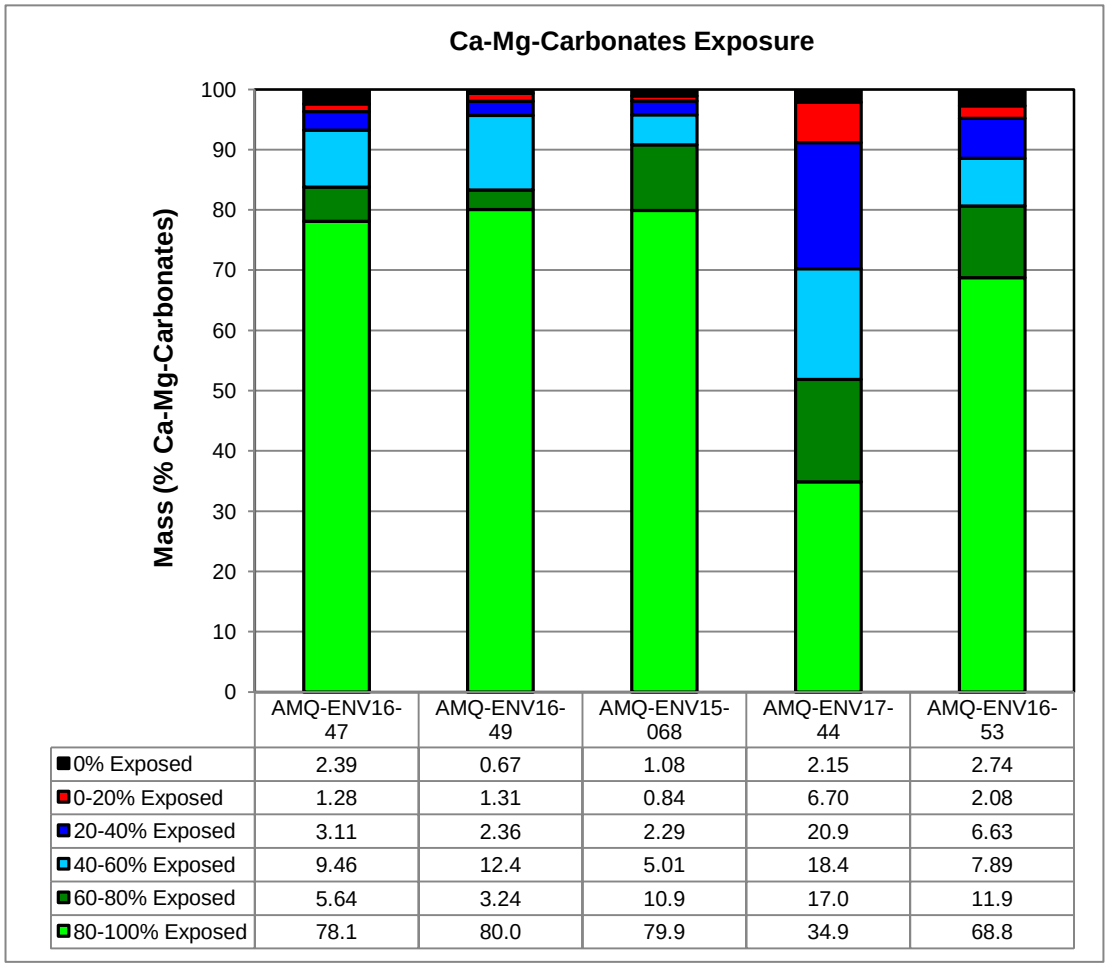
Ca-Mg-Carbonates Exposure



	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
0% Exposed	0.04	0.01	0.07	0.36	0.18
0-20% Exposed	0.02	0.02	0.05	1.11	0.14
20-40% Exposed	0.06	0.03	0.14	3.45	0.45
40-60% Exposed	0.17	0.18	0.31	3.03	0.53
60-80% Exposed	0.10	0.05	0.68	2.80	0.80
80-100% Exposed	1.41	1.18	4.98	5.76	4.63

Absolute Mass of Ca-Mg-Carbonates Across Samples

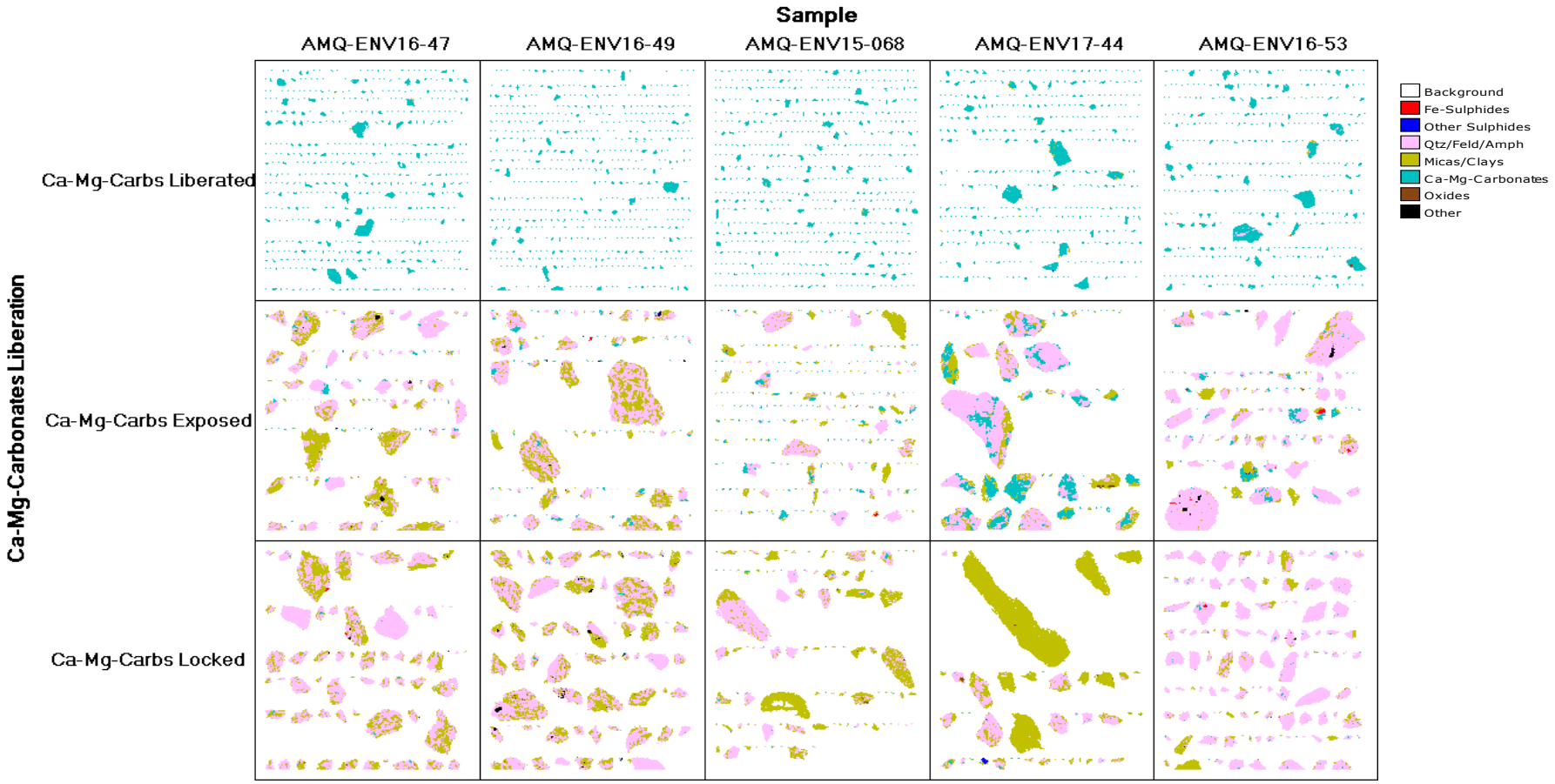
Mineral Name	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
80-100% Exposed	1.41	1.18	4.98	5.76	4.63
60-80% Exposed	0.10	0.05	0.68	2.80	0.80
40-60% Exposed	0.17	0.18	0.31	3.03	0.53
20-40% Exposed	0.06	0.03	0.14	3.45	0.45
0-20% Exposed	0.02	0.02	0.05	1.11	0.14
0% Exposed	0.04	0.01	0.07	0.36	0.18
Total	1.81	1.47	6.23	16.5	6.74



	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
0% Exposed	2.39	0.67	1.08	2.15	2.74
0-20% Exposed	1.28	1.31	0.84	6.70	2.08
20-40% Exposed	3.11	2.36	2.29	20.9	6.63
40-60% Exposed	9.46	12.4	5.01	18.4	7.89
60-80% Exposed	5.64	3.24	10.9	17.0	11.9
80-100% Exposed	78.1	80.0	79.9	34.9	68.8

Normalized Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
80-100% Exposed	78.1	80.0	79.9	34.9	68.8
60-80% Exposed	5.64	3.24	10.9	17.0	11.9
40-60% Exposed	9.46	12.4	5.01	18.4	7.89
20-40% Exposed	3.11	2.36	2.29	20.9	6.63
0-20% Exposed	1.28	1.31	0.84	6.70	2.08
0% Exposed	2.39	0.67	1.08	2.15	2.74
Total	100.0	100.0	100.0	100.0	100.0
Total Exposed	97.6	99.3	98.9	97.8	97.3


Sample
AMQ-ENV16-47
AMQ-ENV16-49
AMQ-ENV15-068
AMQ-ENV17-44
AMQ-ENV16-53
Ca-Mg-Carbs Liberated
Ca-Mg-Carbs Exposed
Ca-Mg-Carbs Locked
Ca-Mg-Carbonates Liberation
Background
Fe-Sulphides
Other Sulphides
Qtz/Feld/Amph
Micas/Clays
Ca-Mg-Carbonates
Oxides
Other

Parameter	AMQ-ENV16-47	AMQ-ENV16-49	AMQ-ENV15-068	AMQ-ENV17-44	AMQ-ENV16-53
NP from Ca-Mg Carbonates (tonnes $CaCO_3$/1000 tonnes)	18.1	14.9	63.4	162.8	67.0
AP from Fe-Sulphides (tonnes $CaCO_3$/1000 tonnes)	4.9	1.6	2.0	1.1	43.8
NP/AP	3.7	9.5	32.3	146	1.5
Available NP/AP	3.8	9.7	33.0	163	1.5

Notes:
NP = Neutralization Potential
AP = Acid Generation Potential
"Available NP/AP" takes into account the exposure of Ca Mg-carbonates and Fe-sulphides

A carbonate/sulphide ratio > 2 indicates probable net neutralizing conditions. Only net acid consuming carbonates (Ca-Mg carbonates) are used for the mineralogical neutralization potential (NP) determination. Only Fe-sulphides are used for the mineralogical acid generation potential (AGP) as they are the main sulphides to contribute to net acidity.

In cases of low carbonate and sulphide abundance (typically <0.5 wt.% of each), values are only semi-quantitative due to low particle statistics for study. More replicate analyses are recommended to properly quantify the NP/AGP potential of these samples.

Calculations assume that Fe in ankerite doesn't oxidize

MB17-3174

		C %	S %	CaNP	AP	CaNPR	
CAEXD331865	AMQ-ENV17-01	0.146	0.219	12	7	1.8	
CAEXD331866	AMQ-ENV17-02	0.260	0.693	22	22	1.0	
CAEXD331867	AMQ-ENV17-03	0.290	0.620	24	19	1.2	
CAEXD331868	AMQ-ENV17-04	0.187	0.292	16	9	1.7	
CAEXD331869	AMQ-ENV17-05	0.221	0.212	18	7	2.8	
CAEXD331870	AMQ-ENV17-06	0.193	0.308	16	10	1.7	
CAEXD331871	AMQ-ENV17-07	0.119	0.308	10	10	1.0	
CAEXD331872	AMQ-ENV17-08	0.082	0.436	7	14	0.50	
CAEXD331860	AMQ-ENV17-09	0.147	0.820	12	26	0.48	
CAEXD331861	AMQ-ENV17-10	0.393	0.427	33	13	2.5	
CAEXD331862	AMQ-ENV17-11	0.384	0.225	32	7	4.6	
CAEXD331863	AMQ-ENV17-12	0.308	0.351	26	11	2.3	
CAEXD331864	AMQ-ENV17-13	0.189	0.437	16	14	1.2	
	AMQ-ENV16-42	0.4	0.16	33	5	6.7	
	AMQ-ENV16-43	0.209	0.21	17	7	2.7	
	AMQ-ENV16-44	0.046	0.12	4	4	1.0	
	AMQ-ENV16-45	0.189	0.31	16	10	1.6	
	AMQ-ENV16-46	0.311	0.11	26	3	7.5	
	AMQ-ENV16-47	0.232	0.1	19	3	6.2	
	AMQ-ENV16-48	0.352	0.14	29	4	6.7	
	AMQ-ENV16-49	0.205	0.02	17	1	27	
	AMQ-ENV16-50	0.265	1.21	22	38	0.58	
	AMQ-ENV16-51	0.232	0.1	19	3	6.2	
			Bulk:	447	245	1.8	*uncertain*

Échantillon AMQ-ENV-31 (référence URSTM : U49307)

Les minéraux sulfurés sont essentiellement représentés par la pyrrhotite (FeS) et la gesrdorffite (NiAsS) avec des traces de pentlandite ($(Fe,Ni)_9S_8$), pyrite (FeS_2) et de chalcopyrite ($CuFeS_2$) (*figure 1*). La pyrrhotite contient des traces de Ni. La gersdorffite contient du Fe et du Co. Un seul grain de gersdorffite contenant de la Nickéline (NiAs) a été observé (*figure 1)*.

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 1*.

Tableau 1 : Microanalyses chimiques des minéraux sulfurés au MEB-EDS de l'échantillon AMQ-ENV-31

	S	Fe	Co	Ni	Cu	As	Sb	Total
Gersdorffite	18.73	6.72	2.42	23.97		48.17		100.01
Gersdorffite	20.63	6.61	3.05	20.49		49.21		99.99
Gersdorffite	21.31	5.33	1.57	18.94		52.85		100
Gersdorffite	20.26	6.85	5.52	17.9		49.48		100.01
Gersdorffite	18.6	5.68	1.2	25.79		48.73		100
Gersdorffite	19.52	7.14	1.8	23.96		47.59		100.01
Gersdorffite	22.68	6.22	2.33	16.39		52.39		100.01
Gersdorffite	21.07	6.05	1.46	18.95		52.48		100.01
Gersdorffite	19.08	7.97	5.03	20.78		47.14		100
Gersdorffite	19.43	5.85	3.44	23.95		47.33		100
Gersdorffite	18.44	5.96		26.37		49.23		100
Gersdorffite	19.84	5.76	2.4	25.08		46.92		100
Gersdorffite	18.91	6.77	1	25.7		47.62		100
Gersdorffite	19.34	7.43	1.44	25.08		46.72		100.01
Gersdorffite	21.69	5.94		19.4		52.97		100
Gersdorffite	22.01	5.65	1.13	17.37		53.84		100
Gersdorffite	20.01	5.86	1.11	22.43		50.57		99.98
Gersdorffite	18.99	5.86	3.24	24.16		47.75		100
Gersdorffite	20.12	1.75		31.84		45.22	1.07	100
Gersdorffite	19.06	7.15	4.76	22.03		47		100
Nickeline				43.17		55.98	0.85	100
Nickeline		0.47		42.32		57.21		100
Nickeline		1.26		29.87		68.86		99.99
Pentlandite	36.54	28.18		35.28				100
Pentlandite	46.1	27.25		26.64				99.99
Pentlandite	42.75	26.91		30.34				100
Pentlandite	47.19	25.66		27.15				100
Pyrite	55.39	42.85		1.76				100
Pyrite	54.72	43.72		1.55				99.99
Pyrite	55.84	44.16						100
Pyrite	55.19	44.81						100
Chalcopyrite	39.43	28.48			32.09			100
Chalcopyrite	38.36	29.46			32.18			100

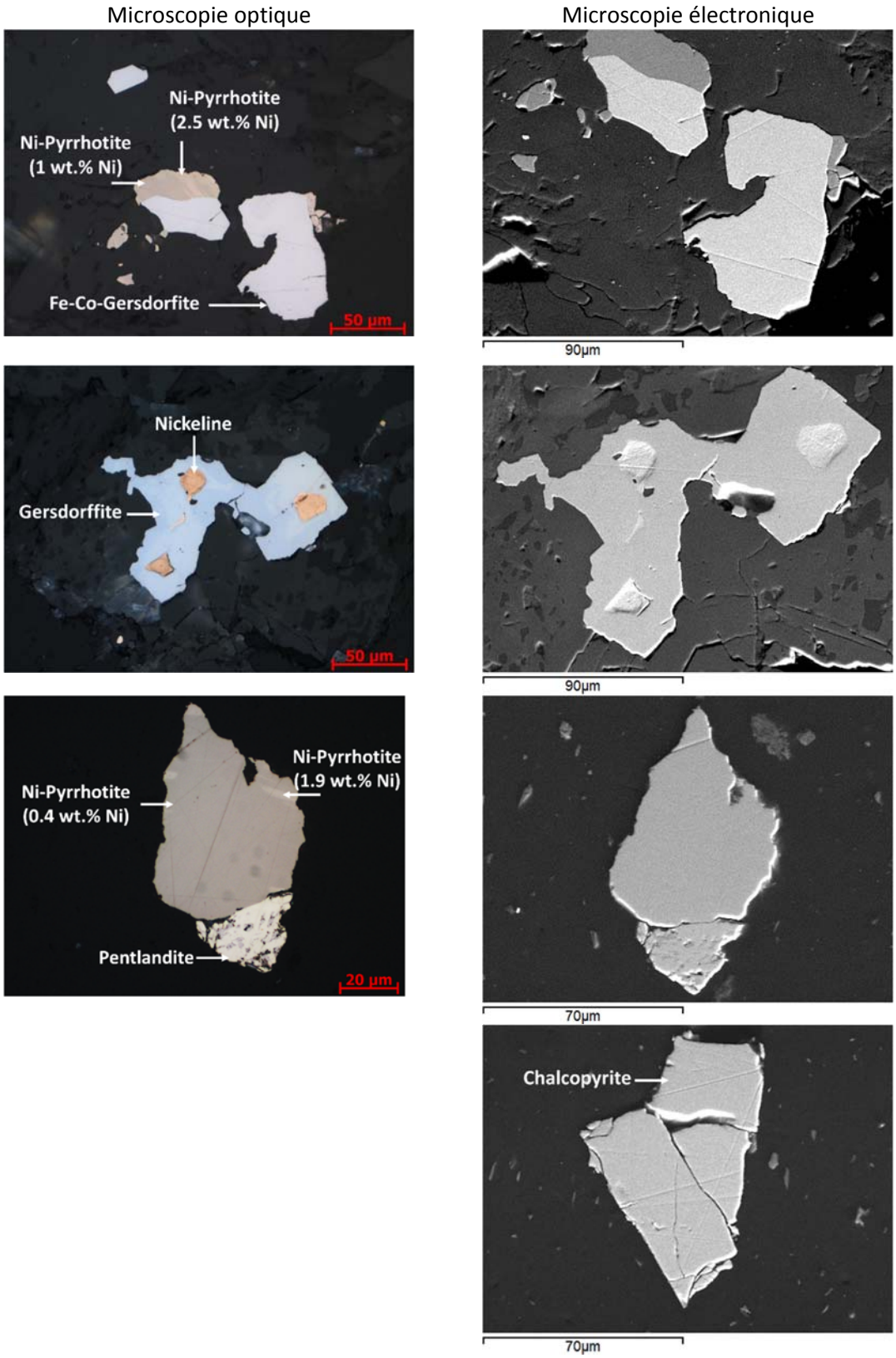


Figure 1 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-31

Échantillon AMQ-ENV-125 (référence URSTM : U49309)

Les minéraux sulfurés sont représentés par la pyrrhotite (FeS), la pyrite (FeS_2) et la gersdorffite (NiAsS) avec des traces de pentlandite ($(Fe,Ni)_9S_8$) et de chalcopyrite ($CuFeS_2$) (*figure 2*). Cet échantillon contient plus de pyrite (FeS_2) et moins de gersdorffite (NiAsS) que l'échantillon AMQ-ENV-31.

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 2*.

Tableau 2 : Microanalyses chimiques des minéraux sulfurés au MEB-EDS de l'échantillon AMQ-ENV-125

	S	Fe	Co	Ni	As	Cu	Total
Gersdorffite	21.99	6.83	7.87	13.62	49.69		100
Gersdorffite	22.08	10.31	3.43	16.98	47.21		100
Gersdorffite	21.28	8.29	4.73	16.75	48.96		100
Gersdorffite	20.8	9.97	3.85	18.62	46.76		100
Gersdorffite	21.35	6.94	6.23	16.25	49.23		100
Gersdorffite	20.92	5.29	19.81	7.9	46.08		100
Gersdorffite	21.62	11.37		20.42	46.59		100
Gersdorffite	20.18	10.33	2.44	20.27	46.77		100
Gersdorffite	22.47	11.04	3.58	16.18	46.74		100
Gersdorffite	21.09	4.25	22.82	5.95	45.9		100
Gersdorffite	20.47	3.64	24.35	5.66	45.88		100
Gersdorffite	21.33	10.11	2.85	20.27	45.44		100
Gersdorffite	21.01	11.05	1.23	20.55	46.16		100
Gersdorffite	21.74	9.2	2.39	17.47	49.2		100
Gersdorffite	21.55	8.85	3.81	15.6	50.2		100
Gersdorffite	22.45	7.64	7.98	11.93	50.01		100
Gersdorffite	21.78	10.95	4.69	17.46	45.11		100
Pentlandite	39.09	30.09		30.82			100
Pentlandite	36.55	31.19		32.26			100
Pentlandite	38.95	41.25		19.8			100
Pentlandite	39.44	29.63		30.93			100
Pentlandite	36.93	31.82		31.25			100
Pentlandite	42.65	34.77		22.58			100
Pentlandite	39.22	29.68		31.1			100
Pentlandite	38	30.28		31.72			100
Pentlandite	43.73	33.77		22.5			100
Pentlandite	41.16	33.49		25.35			100
Pyrrhotite	42.25	57.75					100
Pyrrhotite	44.97	55.03					100
Pyrrhotite	45.43	54.57					100
Pyrrhotite	42.08	57.92					100
Pyrrhotite	41.94	58.06					100
Pyrrhotite	44.77	55.23					100
Pyrrhotite	47.07	52.93					100
Chalcopyrite	43.09	28.38				28.53	100
Chalcopyrite	40.29	30.07				29.63	100
Pyrite	53.58	46.42					100
Pyrite	56.34	43.66					100

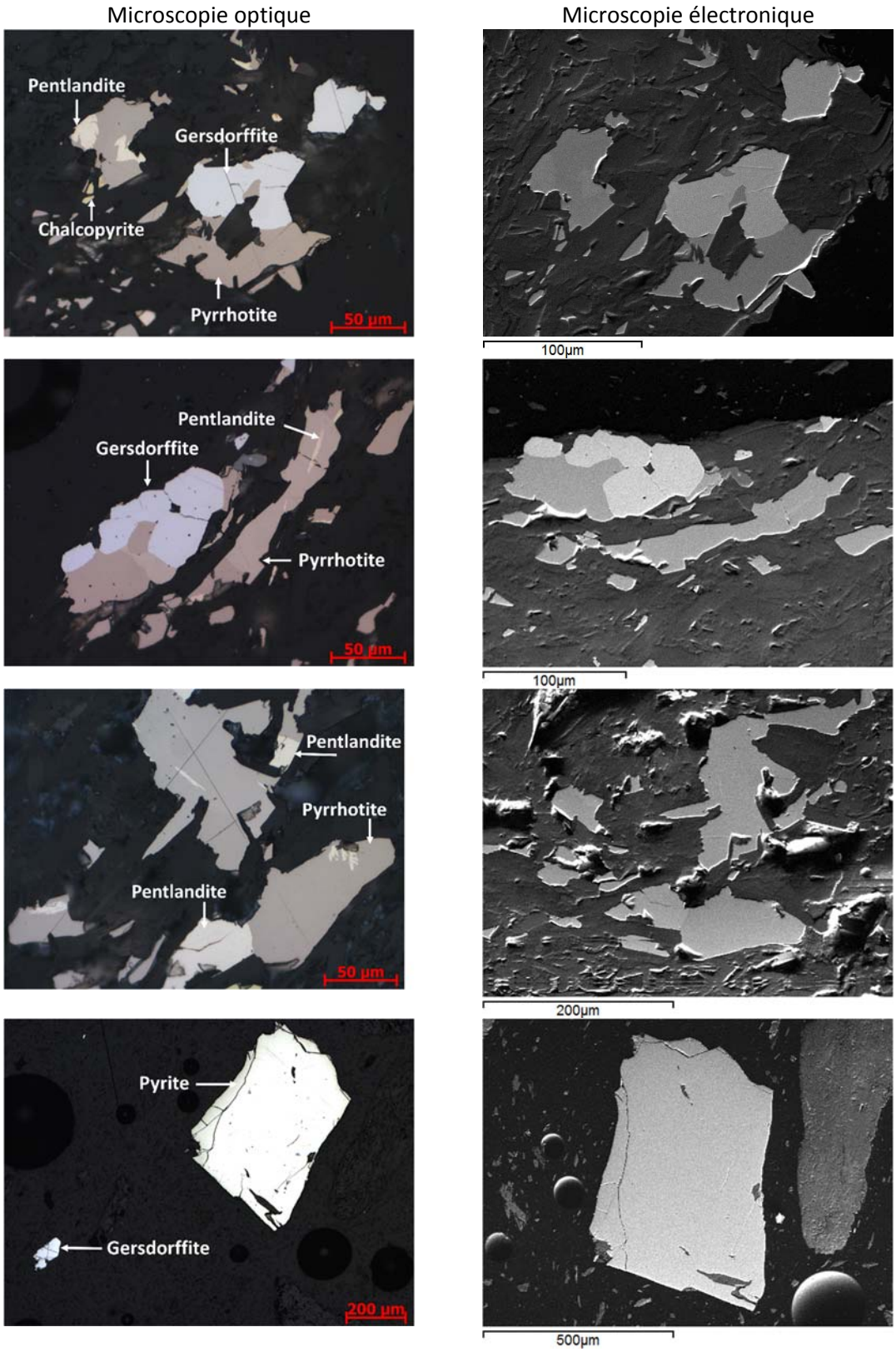


Figure 2 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-125

Échantillon AMQ-ENV-43 (référence URSTM : U49308)

De manière générale, l'échantillon contient moins de minéraux sulfurés que les deux échantillons précédents. Ils sont représentés essentiellement par la gersdorffite, avec des traces de pyrrhotite et de pentlandite. Aucune pyrite ni chalcopyrite n'ont été observées.

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 3*.

Tableau 3 : Microanalyses chimiques des minéraux sulfurés au MEB-EDS de l'échantillon AMQ-ENV-43

	S	Fe	Co	Ni	As	Total
Gersdorffite	21.5	6.8	2.6	20.1	49.0	100
Gersdorffite	20.1	10.5	2.1	16.6	50.7	100
Gersdorffite	21.2	7.6	2.8	22.8	45.6	100
Gersdorffite	20.8	7.8	3.0	20.9	47.4	100
Gersdorffite	20.7	7.6	2.9	20.5	48.3	100
Gersdorffite	22.6	6.2	2.6	17.1	51.6	100
Gersdorffite	20.1	8.0	3.3	22.3	46.4	100
Gersdorffite	19.1	6.5	4.9	22.8	46.7	100
Gersdorffite	20.2	4.6	5.1	24.9	45.2	100
Gersdorffite	20.4	4.1	5.3	24.8	45.4	100
Gersdorffite	20.0	7.3	8.8	18.3	45.7	100
Gersdorffite	20.1	8.2	3.2	21.7	46.9	100
Gersdorffite	21.0	8.4	2.5	21.8	46.3	100
Gersdorffite	20.0	7.6	3.3	23.2	46.0	100
Gersdorffite	21.3	7.1	2.8	19.9	48.9	100
Gersdorffite	20.8	7.6	2.6	21.5	47.6	100
Gersdorffite	21.1	7.4	2.4	19.4	49.7	100
Gersdorffite	19.8	9.4	1.8	22.2	46.8	100
Gersdorffite	22.7	8.0	1.4	17.8	50.0	100
Gersdorffite	20.9	6.5	6.1	16.4	50.1	100
Gersdorffite	20.6	8.4	3.0	22.4	45.7	100
Gersdorffite	20.2	8.3	2.4	23.0	46.0	100
Gersdorffite	19.4	8.2	2.5	23.6	46.2	100
Pyrrhotite	41.9	56.7		1.4		100
Pyrrhotite	41.4	52.3		6.3		100
Pentlandite	41.1	24.6		34.4		100
Pentlandite	35.5	25.2		39.3		100
Pentlandite	41.1	24.6		34.4		100
Pentlandite	35.5	25.2		39.3		100

Microscopie optique

Microscopie électronique

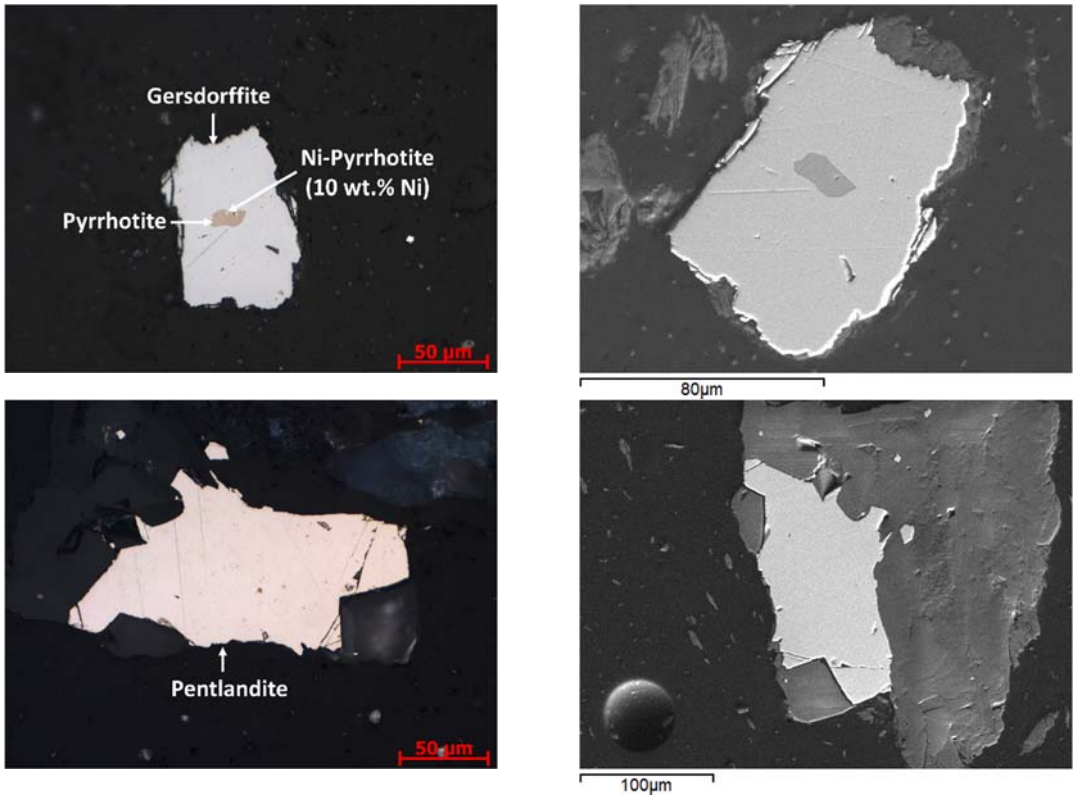


Figure 3 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-43

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Project : PO#OL-528971

22-December-2016

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac
Rouyn-Noranda, Quebec
J0Y 1C0,

Phone: (819) 759-3700
Fax:(819) 759-3663

Date Rec. : 13 December 2016
LR Report: **CA10134-DEC16**
Reference: Whole Rock Analysis

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	**5: Column #9 Greytwacke (S3N)**
Sample Date & Time	Date:N/A
SiO2 [%]	63.3
Al2O3 [%]	16.3
Fe2O3 [%]	6.90
MgO [%]	2.30
CaO [%]	1.71
Na2O [%]	2.14
K2O [%]	4.09
TiO2 [%]	0.53
P2O5 [%]	0.16
MnO [%]	0.09
Cr2O3 [%]	0.01
V2O5 [%]	0.02
LOI [%]	2.40
Sum [%]	99.9

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

00008681 86

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

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20-January-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac
Rouyn-Noranda, Quebec
J0Y 1C0,

Phone: (819) 759-3700
Fax:(819) 759-3663

Date Rec. : 13 December 2016
LR Report: **CA10135-DEC16**

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Column #9 Greytwacke (S3N)
Sample Date & Time			Date:N/A
Paste pH	29-Dec-16	14:47	8.38
Fizz Rate [---]	29-Dec-16	14:47	2
Sample weight [g]	29-Dec-16	14:47	2.12
HCl_add [mL]	29-Dec-16	14:47	20.00
HCl [Normality]	29-Dec-16	14:47	0.10
NaOH [Normality]	29-Dec-16	14:47	0.10
Vol NaOH to pH=8.3 [mL]	29-Dec-16	14:47	14.95
Final pH	29-Dec-16	14:47	1.59
NP [t CaCO3/1000 t]	29-Dec-16	14:47	12
AP [t CaCO3/1000 t]	---	---	13.1
Net NP [t CaCO3/1000 t]	---	---	-1.22
NP/AP [ratio]	---	---	0.91
S [%]	21-Dec-16	15:45	0.592
Acid Leachable SO4-S [%]	---	---	0.17
Sulphide [%]	21-Dec-16	15:45	0.42
C [%]	21-Dec-16	11:51	0.126
CO3 [%]	21-Dec-16	11:51	0.410
C(g) [%]	---	20-Jan-17	< 0.05



Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0000891548

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

SGS Canada Inc.
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23-December-2016

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac
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J0Y 1C0,

Phone: (819) 759-3700
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Date Rec. : 13 December 2016
LR Report: **CA10136-DEC16**

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Column #9 Greytwacke (S3N)
Sample Date & Time			Date:N/A
Fluoride [µg/g]	23-Dec-16	15:03	236
Mercury [ug/g]	21-Dec-16	13:28	< 0.05
Aluminum [µg/g]	20-Dec-16	16:22	22000
Silver [µg/g]	21-Dec-16	13:35	0.30
Arsenic [µg/g]	21-Dec-16	13:35	88
Boron [µg/g]	21-Dec-16	13:35	2
Barium [µg/g]	21-Dec-16	13:35	96
Beryllium [µg/g]	21-Dec-16	13:35	0.23
Bismuth [µg/g]	21-Dec-16	13:35	0.20
Calcium [µg/g]	20-Dec-16	16:22	5100
Cadmium [µg/g]	21-Dec-16	13:35	0.17
Cobalt [µg/g]	21-Dec-16	13:35	12
Chromium [µg/g]	21-Dec-16	13:35	44
Copper [µg/g]	21-Dec-16	13:35	28
Iron [µg/g]	20-Dec-16	16:22	44000
Potassium [µg/g]	20-Dec-16	16:22	15000
Lithium [µg/g]	21-Dec-16	13:37	15
Magnesium [µg/g]	20-Dec-16	16:22	12000
Manganese [µg/g]	21-Dec-16	13:37	500
Molybdenum [µg/g]	21-Dec-16	13:37	2.1
Sodium [µg/g]	20-Dec-16	16:22	560
Nickel [µg/g]	21-Dec-16	13:37	28
Phosphorus [µg/g]	20-Dec-16	16:22	690
Lead [µg/g]	21-Dec-16	13:37	12
Antimony [µg/g]	21-Dec-16	13:37	< 0.8
Selenium [µg/g]	21-Dec-16	13:37	< 0.7
Silicon [µg/g]	20-Dec-16	16:22	8000
Tin [µg/g]	21-Dec-16	13:37	< 0.5
Strontium [µg/g]	21-Dec-16	13:37	10
Titanium [µg/g]	21-Dec-16	13:37	1000
Thallium [µg/g]	21-Dec-16	13:37	0.63

OnLine LIMS

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LR Report : **CA10136-DEC16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Column #9 Greytwacke (S3N)
Uranium [µg/g]	21-Dec-16	13:37	2.2
Vanadium [µg/g]	21-Dec-16	13:37	30
Zinc [µg/g]	21-Dec-16	13:37	72

Brian Graham B.Sc.
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Environmental Services, Analytical

OnLine LIMS

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30-December-2016

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

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Date Rec. : 13 December 2016
LR Report: **CA10137-DEC16**

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Column #9 Greytwacke (S3N)
Sample Date & Time			Date:N/A
Sample weight [g]	23-Dec-16	10:29	200
Volume D.I. Water [mL]	23-Dec-16	10:29	800
Initial pH	23-Dec-16	10:29	8.98
Final pH	23-Dec-16	10:29	8.04
pH [no unit]	28-Dec-16	15:06	8.00
Alkalinity [mg/L as CaCO3]	28-Dec-16	15:06	55
Conductivity [uS/cm]	28-Dec-16	15:06	296
Fluoride [mg/L]	28-Dec-16	10:33	0.40
Chloride [mg/L]	28-Dec-16	14:25	13
Sulphate [mg/L]	28-Dec-16	14:25	75
Bromide [mg/L]	28-Dec-16	15:04	< 3
Nitrite (as N) [mg/L]	28-Dec-16	15:04	< 0.3
Nitrate (as N) [mg/L]	28-Dec-16	15:04	< 0.6
Chromium VI [ug/L]	29-Dec-16	12:40	< 0.2
Phosphorus (total reactive) [mg/L]	23-Dec-16	15:25	< 0.03
Mercury [mg/L]	29-Dec-16	10:57	< 0.00001
Silver [mg/L]	30-Dec-16	12:30	< 0.00005
Aluminum [mg/L]	30-Dec-16	12:30	0.063
Arsenic [mg/L]	30-Dec-16	12:30	0.0061
Barium [mg/L]	30-Dec-16	12:30	0.00573
Boron [mg/L]	30-Dec-16	12:30	0.020
Beryllium [mg/L]	30-Dec-16	12:30	< 0.000007
Bismuth [mg/L]	30-Dec-16	12:30	< 0.000007
Calcium [mg/L]	30-Dec-16	12:30	26.2
Cadmium [mg/L]	30-Dec-16	12:30	0.000028
Cobalt [mg/L]	30-Dec-16	12:30	0.000114
Chromium [mg/L]	30-Dec-16	12:30	< 0.00003
Copper [mg/L]	30-Dec-16	12:30	0.00014
Iron [mg/L]	30-Dec-16	12:30	< 0.007

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LR Report : **CA10137-DEC16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Column #9 Greytwacke (S3N)
Potassium [mg/L]	30-Dec-16	12:30	27.9
Lithium [mg/L]	30-Dec-16	12:30	0.0059
Magnesium [mg/L]	30-Dec-16	12:30	3.71
Manganese [mg/L]	30-Dec-16	12:30	0.0385
Molybdenum [mg/L]	30-Dec-16	12:30	0.00179
Sodium [mg/L]	30-Dec-16	12:30	4.59
Nickel [mg/L]	30-Dec-16	12:30	0.0005
Phosphorus [mg/L]	30-Dec-16	12:30	< 0.003
Lead [mg/L]	30-Dec-16	12:30	0.00011
Antimony [mg/L]	30-Dec-16	12:30	0.0047
Selenium [mg/L]	30-Dec-16	12:30	0.00044
Silicon [mg/L]	30-Dec-16	12:30	2.49
Tin [mg/L]	30-Dec-16	12:30	0.00003
Strontium [mg/L]	30-Dec-16	12:30	0.0406
Titanium [mg/L]	30-Dec-16	12:30	< 0.00005
Thallium [mg/L]	30-Dec-16	12:30	0.000012
Uranium [mg/L]	30-Dec-16	12:30	0.000382
Vanadium [mg/L]	30-Dec-16	12:30	0.00023
Zinc [mg/L]	30-Dec-16	12:30	0.085

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Report No.	**CA12206-JAN16**
Customer	**Agnico Eagle Mines Limited**
Attention	**Serge Ouellet**
Reference	**Whole Rock Analysis**
Works#	
Title	**Final Report**

		Whale Tail Submerged Column
Sample ID		
Sample Date/Time		Date:N/A
Analysis	**Units**	
SiO2	%	43.3
Al2O3	%	7.70
Fe2O3	%	14.0
MgO	%	17.9
CaO	%	6.24
Na2O	%	0.48
K2O	%	1.10
TiO2	%	0.38
P2O5	%	0.08
MnO	%	0.35
Cr2O3	%	0.32
V2O5	%	0.03
LOI	%	7.57
Sum	%	99.4

Report No. **CA12207-JAN16**
Customer **Agnico Eagle Mines Limited**
Attention **Serge Ouellet**
Reference **aqua regia**

Title **Final Report**

Sample ID		Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	Whale Tail Submerged Column
Sample Date/Time						Date:N/A
Analysis	**Units**					
Fluoride	µg/g	14-Jan-16	14:28	15-Jan-16	15:52	95.6
Mercury	µg/g	15-Jan-16	12:51	18-Jan-16	9:05	< 0.05
Aluminum	µg/g	18-Jan-16	10:42	18-Jan-16	15:16	19000
Silver	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	0.16
Arsenic	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	430
Boron	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	1
Barium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	120
Beryllium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	0.25
Bismuth	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	< 0.09
Calcium	µg/g	18-Jan-16	10:42	18-Jan-16	15:16	21000
Cadmium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	0.06
Cobalt	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	52
Chromium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	890
Copper	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	35
Iron	µg/g	18-Jan-16	10:42	18-Jan-16	15:16	45000
Potassium	µg/g	18-Jan-16	10:42	18-Jan-16	15:16	8300
Lithium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	15
Magnesium	µg/g	18-Jan-16	10:42	18-Jan-16	15:16	32000
Manganese	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	870
Molybdenum	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	0.6
Sodium	µg/g	18-Jan-16	10:42	18-Jan-16	15:16	70
Nickel	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	470
Phosphorus	µg/g	18-Jan-16	10:42	18-Jan-16	15:17	270
Lead	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	3.0
Antimony	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	1.5
Selenium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	< 0.7
Silicon	µg/g	18-Jan-16	10:42	18-Jan-16	15:17	1500
Tin	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	< 0.5
Strontium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	62
Titanium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	770
Thallium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	0.24
Uranium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	0.21
Vanadium	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	41
Zinc	µg/g	18-Jan-16	10:26	18-Jan-16	15:05	26

Report No. **CA12208-JAN16**
Customer **Agnico Eagle Mines Limited**
Attention **Serge Ouellet**
Reference **SFE Leach**

Title **Final Report**

Sample ID		Analysis Approval Date	Analysis Approval Time	Whale Tail Submerged Column
Sample Date/Time				Date:N/A
Analysis	**Units**			
Sample weight	g	14-Jan-16	11:51	200
Volume D.I. Water	mL	14-Jan-16	11:51	800
Initial pH		14-Jan-16	11:51	9.67
Final pH		14-Jan-16	11:51	9.41
pH	no unit	19-Jan-16	14:43	8.05
Alkalinity	mg/L as CaCO3	19-Jan-16	14:43	47
Conductivity	uS/cm	19-Jan-16	15:17	126
Fluoride	mg/L	15-Jan-16	14:57	0.09
Chloride	mg/L	19-Jan-16	10:00	5
Sulphate	mg/L	19-Jan-16	10:00	4
Bromide	mg/L	19-Jan-16	19:26	< 3
Nitrite (as N)	as N mg/L	19-Jan-16	19:26	< 0.3
Nitrate (as N)	as N mg/L	19-Jan-16	19:26	< 0.6
Chromium VI	µg/L	19-Jan-16	14:15	0.4
Phosphorus (total reac	mg/L	15-Jan-16	11:40	0.13
Mercury	mg/L	18-Jan-16	16:02	< 0.00001
Silver	mg/L	19-Jan-16	13:53	0.000005
Aluminum	mg/L	19-Jan-16	13:53	0.033
Arsenic	mg/L	20-Jan-16	11:29	0.907
Barium	mg/L	19-Jan-16	13:53	0.0196
Boron	mg/L	19-Jan-16	13:53	0.0158
Beryllium	mg/L	19-Jan-16	13:53	< 0.000007
Bismuth	mg/L	19-Jan-16	13:53	0.000011
Calcium	mg/L	19-Jan-16	13:53	5.00
Cadmium	mg/L	19-Jan-16	13:53	< 0.000003
Cobalt	mg/L	19-Jan-16	13:53	< 0.000004
Chromium	mg/L	19-Jan-16	13:53	0.00030
Copper	mg/L	19-Jan-16	13:53	0.00038
Iron	mg/L	19-Jan-16	13:53	< 0.007
Potassium	mg/L	19-Jan-16	13:53	25.1
Lithium	mg/L	19-Jan-16	13:53	0.000274
Magnesium	mg/L	19-Jan-16	13:53	2.06
Manganese	mg/L	19-Jan-16	13:53	0.00053
Molybdenum	mg/L	19-Jan-16	13:53	0.00057

Report No. **CA12208-JAN16**
Customer **Agnico Eagle Mines Limited**
Attention **Serge Ouellet**
Reference **SFE Leach**

Title **Final Report**

Sample ID		Analysis Approval Date	Analysis Approval Time	Whale Tail Submerged Column
Sample Date/Time				Date:N/A
Analysis	**Units**			
Sodium	mg/L	19-Jan-16	13:53	2.41
Nickel	mg/L	19-Jan-16	13:53	0.0010
Phosphorus	mg/L	19-Jan-16	13:53	< 0.003
Lead	mg/L	19-Jan-16	13:53	0.00002
Antimony	mg/L	19-Jan-16	13:53	0.0138
Selenium	mg/L	19-Jan-16	13:53	0.00013
Silicon	mg/L	19-Jan-16	13:54	6.04
Tin	mg/L	19-Jan-16	13:54	0.00014
Strontium	mg/L	19-Jan-16	13:54	0.0508
Titanium	mg/L	19-Jan-16	13:54	< 0.00005
Thallium	mg/L	19-Jan-16	13:54	< 0.000005
Uranium	mg/L	19-Jan-16	13:54	0.000048
Vanadium	mg/L	19-Jan-16	13:54	0.00895
Zinc	mg/L	19-Jan-16	13:54	< 0.002

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12-July-2017

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Attn : Ryan Vanengen

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Date Rec. : 06 July 2017
LR Report: **CA13204-JUL17**
Reference: Amaruq Project Golder 1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Fe FM flood
Sample Date & Time			26-Jun-17 14:45
Temperature Upon Receipt [°C]			25.0
pH [no unit]	11-Jul-17	11:01	8.25
Acidity [mg/L as CaCO3]	11-Jul-17	11:01	< 2
Alkalinity [mg/L as CaCO3]	11-Jul-17	11:01	55
Conductivity [uS/cm]	11-Jul-17	11:01	169
Sulphate [mg/L]	11-Jul-17	10:24	10
Calcium (dissolved) [mg/L]	11-Jul-17	14:59	10.3
Chloride [mg/L]	11-Jul-17	10:24	8
Fluoride [mg/L]	07-Jul-17	10:54	0.08
Mercury (total) [ug/L]	12-Jul-17	09:58	0.02
Silver [mg/L]	11-Jul-17	14:59	0.000006
Aluminum (dissolved) [mg/L]	11-Jul-17	14:59	0.047
Arsenic (dissolved) [mg/L]	12-Jul-17	11:06	4.77
Barium (dissolved) [mg/L]	11-Jul-17	14:59	0.0252
Beryllium (dissolved) [mg/L]	11-Jul-17	14:59	< 0.000007
Boron (dissolved) [mg/L]	12-Jul-17	11:06	0.041
Bismuth (dissolved) [mg/L]	11-Jul-17	15:00	< 0.000007
Cadmium (dissolved) [mg/L]	11-Jul-17	15:00	< 0.000003
Cobalt (dissolved) [mg/L]	11-Jul-17	15:00	0.000890
Chromium (dissolved) [mg/L]	11-Jul-17	15:00	0.00271
Copper (dissolved) [mg/L]	11-Jul-17	15:00	0.00133
Iron (dissolved) [mg/L]	11-Jul-17	15:00	0.070
Potassium (dissolved) [mg/L]	11-Jul-17	15:00	15.5
Lithium (dissolved) [mg/L]	11-Jul-17	15:00	0.0029
Magnesium (dissolved) [mg/L]	11-Jul-17	15:00	3.10
Manganese (dissolved) [mg/L]	11-Jul-17	15:00	0.0169
Molybdenum (dissolved) [mg/L]	11-Jul-17	15:00	0.00064
Sodium (dissolved) [mg/L]	11-Jul-17	15:00	9.69
Nickel (dissolved) [mg/L]	11-Jul-17	15:00	0.0198

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0001061707

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LR Report : **CA13204-JUL17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Fe FM flood
Phosphorus (dissolved) [mg/L]	11-Jul-17	15:00	0.012
Lead (dissolved) [mg/L]	11-Jul-17	15:00	0.00023
Antimony (dissolved) [mg/L]	11-Jul-17	15:00	0.0529
Selenium (dissolved) [mg/L]	11-Jul-17	15:00	0.00042
Strontium (dissolved) [mg/L]	11-Jul-17	15:00	0.0908
Tin (dissolved) [mg/L]	11-Jul-17	15:00	0.00045
Titanium (dissolved) [mg/L]	11-Jul-17	15:00	0.00350
Thallium (dissolved) [mg/L]	11-Jul-17	15:00	0.000033
Uranium (dissolved) [mg/L]	11-Jul-17	15:00	0.000849
Vanadium (dissolved) [mg/L]	11-Jul-17	15:00	0.0195
Zinc (dissolved) [mg/L]	11-Jul-17	15:00	0.006

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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA13204-JUL17**

Quality Control Report

Inorganic Analysis												
Parameter	Reporting Limit	Unit	Method Blank		RPD	Acceptance Criteria	LCS / Spike Blank			Matrix Spike / Reference Material		
							Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
						%		Low	High		Low	High
Acidity - QCBatchID: EWL0088-JUL17												
Acidity	2	mg/L as Ca	< 2		ND	10	92	90	110	NA		
Alkalinity - QCBatchID: EWL0088-JUL17												
Alkalinity	2	mg/L as Ca	< 2		0	10	97	90	110	NA		
Anions by discrete analyzer - QCBatchID: DIO0110-JUL17												
Chloride	1	mg/L	<1		0	20	95	80	120	93	75	125
Sulphate	2	mg/L	<2		0	20	106	80	120	91	75	125
Conductivity - QCBatchID: EWL0088-JUL17												
Conductivity	2	uS/cm	< 2		1	10	99	90	110	NA		
Flouride by Specific Ion Electrode - QCBatchID: EWL0073-JUL17												
Fluoride	0.06	mg/L	<0.06		ND	10	94	90	110	87	75	125
Mercury by CVAAS - QCBatchID: EHG0009-JUL17												
Mercury (total)	0.01	ug/L	<0.01		ND	20	110	90	110	87	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0031-JUL17												
Aluminum (dissolved)	0.001	mg/L	<0.001		ND	20	97	90	110	NV	70	130
Antimony (dissolved)	0.0002	mg/L	<0.0002		ND	20	97	90	110	109	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002		3	20	101	90	110	101	70	130
Barium (dissolved)	0.00002	mg/L	<0.00002		1	20	101	90	110	100	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007		ND	20	97	90	110	100	70	130
Bismuth (dissolved)	0.000007	mg/L	<0.000007		ND	20	101	90	110	92	70	130
Boron (dissolved)	0.002	mg/L	<0.002		2	20	100	90	110	NV	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003		ND	20	98	90	110	93	70	130
Calcium (dissolved)	0.01	mg/L	<0.01		5	20	104	90	110	NV	70	130
Chromium (dissolved)	0.00003	mg/L	<0.00003		12	20	101	90	110	98	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004		ND	20	101	90	110	96	70	130
Copper (dissolved)	0.00002	mg/L	<0.00002		6	20	99	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007		16	20	100	90	110	NV	70	130
Lead (dissolved)	0.00001	mg/L	<0.00001		4	20	101	90	110	102	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001		4	20	96	90	110	101	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001		3	20	102	90	110	NV	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001		ND	20	100	90	110	100	70	130
Molybdenum (dissolved)	0.00001	mg/L	<0.00001		1	20	97	90	110	96	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001		1	20	100	90	110	98	70	130
Phosphorus (dissolved)	0.003	mg/L	<0.003		ND	20	94	90	110	NV	70	130
Potassium (dissolved)	0.003	mg/L	<0.003		2	20	98	90	110	NV	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004		17	20	103	90	110	109	70	130

OnLine LIMS

00010161707

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LR Report : **CA13204-JUL17**

Inorganic Analysis												
Parameter	Reporting Limit	Unit	Method Blank		LCS / Spike Blank					Matrix Spike / Reference Material		
				RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)			Spike Recovery (%)	Recovery Limits (%)	
					%		Low	High			Low	High
Sodium (dissolved)	0.01	mg/L	<0.01	4	20	100	90	110		NV	70	130
Strontium (dissolved)	0.00002	mg/L	<0.00002	0	20	99	90	110		98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005	3	20	100	90	110		94	70	130
Tin (dissolved)	0.00001	mg/L	<0.00001	ND	20	95	90	110		NV	70	130
Titanium (dissolved)	0.00005	mg/L	<0.00005	ND	20	104	90	110		NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002	1	20	101	90	110		102	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001	10	20	102	90	110		98	70	130
Zinc (dissolved)	0.002	mg/L	<0.002	ND	20	99	90	110		103	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0045-JUL17												
Arsenic (dissolved)	0.0002	mg/L	<0.0002	2	20	102	90	110		102	70	130
Boron (dissolved)	0.002	mg/L	<0.002	2	20	95	90	110		NV	70	130
pH - QCBatchID: EWL0088-JUL17												
pH	0.05	no unit	NA	0		100				NA		

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00010161707

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27-June-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 22 June 2017
LR Report: **CA13703-JUN17**
Reference: Amaruq Project Golder 1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Whale tail Water	6: U Mafic Flood	7: U Mafic Flood DUP
Sample Date & Time			13-Jun-17 09:45	13-Jun-17 09:25	13-Jun-17 09:45
Temperature Upon Receipt [°C]			19.0	19.0	19.0
pH [no unit]	26-Jun-17	13:57	6.75	8.37	8.47
Acidity [mg/L as CaCO3]	26-Jun-17	13:57	< 2	< 2	< 2
Alkalinity [mg/L as CaCO3]	26-Jun-17	13:57	4	44	42
Conductivity [uS/cm]	26-Jun-17	13:57	41	138	139
Chloride [mg/L]	27-Jun-17	09:01	7	8	8
Sulphate [mg/L]	27-Jun-17	09:01	< 2	8	8
Fluoride [mg/L]	27-Jun-17	10:55	< 0.06	0.09	0.10
Mercury (dissolved) [mg/L]	26-Jun-17	12:36	< 0.00001	< 0.00001	< 0.00001
Silver (dissolved) [mg/L]	27-Jun-17	14:59	0.00011	< 0.00005	< 0.00005
Aluminum (dissolved) [mg/L]	27-Jun-17	14:59	0.015	0.031	0.033
Arsenic (dissolved) [mg/L]	27-Jun-17	14:59	0.0002	4.35	4.46
Barium (dissolved) [mg/L]	27-Jun-17	14:59	0.00902	0.0216	0.0219
Beryllium (dissolved) [mg/L]	27-Jun-17	14:59	< 0.000007	< 0.000007	< 0.000007
Boron (dissolved) [mg/L]	27-Jun-17	14:59	< 0.002	0.047	0.049
Bismuth (dissolved) [mg/L]	27-Jun-17	14:59	< 0.000007	< 0.000007	< 0.000007
Calcium (dissolved) [mg/L]	27-Jun-17	14:59	3.96	6.41	7.17
Cadmium (dissolved) [mg/L]	27-Jun-17	14:59	0.000005	< 0.000003	0.000020
Cobalt (dissolved) [mg/L]	27-Jun-17	14:59	0.000108	0.000666	0.000666
Chromium (dissolved) [mg/L]	27-Jun-17	14:59	0.00073	0.00174	0.00188
Copper (dissolved) [mg/L]	27-Jun-17	14:59	0.00055	0.00097	0.00115
Iron (dissolved) [mg/L]	27-Jun-17	14:59	0.033	0.035	0.039
Potassium (dissolved) [mg/L]	27-Jun-17	14:59	0.529	13.2	13.7
Lithium (dissolved) [mg/L]	27-Jun-17	14:59	0.0013	0.0025	0.0025
Magnesium (dissolved) [mg/L]	27-Jun-17	14:59	1.13	2.86	2.80
Manganese (dissolved) [mg/L]	27-Jun-17	14:59	0.0187	0.00752	0.00758
Molybdenum (dissolved) [mg/L]	27-Jun-17	14:59	0.00004	0.00050	0.00055
Sodium (dissolved) [mg/L]	27-Jun-17	14:59	0.68	9.34	9.12
Nickel (dissolved) [mg/L]	27-Jun-17	14:59	0.0016	0.0154	0.0158

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LR Report : **CA13703-JUN17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Whale tail Water	6: U Mafic Flood	7: U Mafic Flood DUP
Phosphorus (dissolved) [mg/L]	27-Jun-17	14:59	0.009	0.016	0.015
Antimony (dissolved) [mg/L]	27-Jun-17	14:59	< 0.0002	0.0403	0.0411
Selenium (dissolved) [mg/L]	27-Jun-17	14:59	< 0.00004	0.00042	0.00047
Strontium (dissolved) [mg/L]	27-Jun-17	14:59	0.0335	0.0741	0.0756
Tin (dissolved) [mg/L]	27-Jun-17	14:59	0.00019	0.00049	0.00068
Titanium (dissolved) [mg/L]	27-Jun-17	14:59	0.00019	0.00113	0.00151
Thallium (dissolved) [mg/L]	27-Jun-17	14:59	< 0.000005	0.000033	0.000035
Uranium (dissolved) [mg/L]	27-Jun-17	14:59	0.000045	0.000961	0.000962
Vanadium (dissolved) [mg/L]	27-Jun-17	14:59	0.00002	0.0194	0.0195
Zinc (dissolved) [mg/L]	27-Jun-17	14:59	0.008	0.004	0.006

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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LR Report : **CA13703-JUN17**

Quality Control Report

Inorganic Analysis												
Parameter	Reporting Limit	Unit	Method Blank		RPD	Acceptance Criteria	LCS / Spike Blank			Matrix Spike / Reference Material		
							Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
						%		Low	High		Low	High
Acidity - QCBatchID: EWL0388-JUN17												
Acidity	2	mg/L as Ca	2.51		ND	10	120	90	110	NA		
Alkalinity - QCBatchID: EWL0388-JUN17												
Alkalinity	2	mg/L as Ca	< 2		2	10	99	90	110	NA		
Anions by discrete analyzer - QCBatchID: DIO0362-JUN17												
Chloride	1	mg/L	<1		4	20	95	80	120	105	75	125
Sulphate	2	mg/L	<2		1	20	101	80	120	106	75	125
Conductivity - QCBatchID: EWL0388-JUN17												
Conductivity	2	uS/cm	2.1		0	10	93	90	110	NA		
Flouride by Specific Ion Electrode - QCBatchID: EWL0405-JUN17												
Fluoride	0.06	mg/L	<0.06		3	10	99	90	110	87	75	125
Mercury by CVAAS - QCBatchID: EHG0043-JUN17												
Mercury (dissolved)	0.00001	mg/L	< 0.00001		ND	20	108	90	110	111	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0122-JUN17												
Aluminum (dissolved)	0.001	mg/L	<0.001		ND	20	105	90	110	102	70	130
Antimony (dissolved)	0.0002	mg/L	<0.0002		ND	20	94	90	110	103	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002		0	20	104	90	110	104	70	130
Barium (dissolved)	0.00002	mg/L	<0.00002		3	20	98	90	110	NV	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007		ND	20	100	90	110	108	70	130
Bismuth (dissolved)	0.000007	mg/L	<0.000007		ND	20	97	90	110	103	70	130
Boron (dissolved)	0.002	mg/L	<0.002		3	20	100	90	110	NV	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003		ND	20	102	90	110	97	70	130
Calcium (dissolved)	0.01	mg/L	<0.01		4	20	102	90	110	NV	70	130
Chromium (dissolved)	0.00003	mg/L	<0.00003		0	20	106	90	110	98	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004		13	20	103	90	110	105	70	130
Copper (dissolved)	0.00002	mg/L	<0.00002		1	20	102	90	110	NV	70	130
Iron (dissolved)	0.007	mg/L	<0.007		ND	20	104	90	110	89	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001		2	20	102	90	110	NV	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001		4	20	100	90	110	NV	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001		ND	20	105	90	110	101	70	130
Molybdenum (dissolved)	0.00001	mg/L	<0.00001		1	20	103	90	110	104	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001		10	20	104	90	110	101	70	130
Phosphorus (dissolved)	0.003	mg/L	<0.003		8	20	91	90	110	NV	70	130
Potassium (dissolved)	0.003	mg/L	<0.003		2	20	100	90	110	NV	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004		2	20	101	90	110	103	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005		ND	20	103	90	110	100	70	130

OnLine LIMS

0001045706

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LR Report : **CA13703-JUN17**

Inorganic Analysis												
Parameter	Reporting Limit	Unit	Method Blank	RPD	Acceptance Criteria	LCS / Spike Blank			Matrix Spike / Reference Material		
						Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
					%		Low	High		Low	High
Sodium (dissolved)	0.01	mg/L	<0.01	0	20	98	90	110	NV	70	130
Strontium (dissolved)	0.00002	mg/L	<0.00002	1	20	103	90	110	NV	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005	ND	20	96	90	110	107	70	130
Tin (dissolved)	0.00001	mg/L	0.000023	6	20	93	90	110	NV	70	130
Titanium (dissolved)	0.00005	mg/L	<0.00005	ND	20	102	90	110	84	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002	0	20	99	90	110	NV	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001	1	20	105	90	110	90	70	130
Zinc (dissolved)	0.002	mg/L	<0.002	5	20	102	90	110	102	70	130
pH - QCBatchID: EWL0388-JUN17											
pH	0.05	no unit	NA	0		100			NA		

OnLine LIMS

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20-June-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 06 June 2017
LR Report: **CA14161-JUN17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: AMQ-ENV17-01 (CAEXD331865)	6: AMQ-ENV17-02 (CAEXD331866)	7: AMQ-ENV17-03 (CAEXD331867)	8: AMQ-ENV17-04 (CAEXD331868)	9: AMQ-ENV17-05 (CAEXD331869)	10: AMQ-ENV17-06 (CAEXD331870)	11: AMQ-ENV17-07 (CAEXD331871)	12: AMQ-ENV17-08 (CAEXD331872)	13: AMQ-ENV17-09 (CAEXD331860)	14: AMQ-ENV17-10 (CAEXD331861)
Sample Date & Time	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17
SiO2 [%]	65.4	64.4	65.9	63.2	66.9	64.9	63.0	62.7	55.8	63.2
Al2O3 [%]	16.4	14.3	14.7	17.5	15.8	16.0	17.2	17.1	19.5	16.0
Fe2O3 [%]	5.24	7.84	5.94	5.12	4.52	5.21	5.49	6.57	9.09	5.98
MgO [%]	1.92	1.97	2.11	1.93	1.60	1.91	2.05	2.36	3.04	1.97
CaO [%]	1.66	2.49	2.12	2.11	2.17	2.22	2.21	2.00	0.71	2.08
Na2O [%]	2.36	2.13	1.73	3.73	3.34	2.74	3.22	2.94	0.30	2.33
K2O [%]	4.19	2.87	3.40	3.62	3.46	3.68	3.57	3.69	6.12	3.79
TiO2 [%]	0.45	0.45	0.44	0.57	0.46	0.52	0.53	0.53	0.61	0.46
P2O5 [%]	0.14	0.19	0.18	0.21	0.17	0.19	0.19	0.18	0.16	0.16
MnO [%]	0.06	0.09	0.08	0.06	0.04	0.07	0.08	0.09	0.08	0.07
Cr2O3 [%]	< 0.01	0.02	< 0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.02
V2O5 [%]	0.01	< 0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.02
LOI [%]	2.06	2.19	2.42	1.82	2.12	2.13	1.77	2.13	3.54	2.63
Sum [%]	99.9	98.9	99.1	99.9	100.6	99.5	99.4	100.3	99.0	98.7

OnLine LIMS

00010138103

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LR Report : **CA14161-JUN17**

Analysis	15: AMQ-ENV17-11 (CAEXD331862)	16: AMQ-ENV17-12 (CAEXD331863)	17: AMQ-ENV17-13 (CAEXD331864)
Sample Date & Time	12-May-17	12-May-17	12-May-17
SiO2 [%]	61.0	60.2	64.1
Al2O3 [%]	17.3	17.2	15.6
Fe2O3 [%]	5.98	7.21	7.14
MgO [%]	2.26	2.52	2.07
CaO [%]	2.09	2.35	1.68
Na2O [%]	1.88	2.42	2.24
K2O [%]	4.51	3.90	3.67
TiO2 [%]	0.54	0.54	0.47
P2O5 [%]	0.17	0.18	0.16
MnO [%]	0.07	0.10	0.08
Cr2O3 [%]	0.01	0.02	0.01
V2O5 [%]	0.01	0.03	0.02
LOI [%]	3.08	2.36	1.97
Sum [%]	99.0	99.0	99.2

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001038103

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ABA - Modified Sobek with Siderite correction

23-June-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 06 June 2017
LR Report: **CA14162-JUN17**
Reference: Amaruq Project Golder #1665859

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: AMQ-ENV17-01 (CAEXD331865)	6: AMQ-ENV17-02 (CAEXD331866)	7: AMQ-ENV17-03 (CAEXD331867)	8: AMQ-ENV17-04 (CAEXD331868)	9: AMQ-ENV17-05 (CAEXD331869)	10: AMQ-ENV17-06 (CAEXD331870)	11: AMQ-ENV17-07 (CAEXD331871)	12: AMQ-ENV17-08 (CAEXD331872)	13: AMQ-ENV17-09 (CAEXD331860)	14: AMQ-ENV17-10 (CAEXD331861)	15: AMQ-ENV17-11 (CAEXD331862)
Sample Date & Time	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17
Paste pH	10.05	9.74	9.76	10.01	9.80	9.75	10.02	9.96	9.57	9.85	9.74
Fizz Rate [---]	2	2	2	2	2	2	2	2	2	2	2
Sample weight [g]	2.02	2.01	2.01	2.00	2.01	2.00	2.02	2.01	1.99	2.00	2.01
HCl Added [mL]	20.00	27.00	25.00	20.00	20.00	20.00	20.00	20.00	20.00	26.00	26.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	6.49	10.33	7.33	5.70	4.78	5.37	6.27	6.82	6.46	6.12	6.87
Final pH	2.31	2.07	2.17	2.41	2.47	2.43	2.32	2.33	2.34	2.39	2.28
NP [t CaCO3/1000 t]	24	26	33	27	31	29	25	23	24	41	37
AP [t CaCO3/1000 t]	2.81	15.0	12.5	5.00	3.75	5.62	3.75	7.81	19.4	4.06	4.38
Net NP [t CaCO3/1000 t]	21.2	11.0	20.5	22.0	27.2	23.4	21.2	15.2	4.62	36.9	32.6
NP/AP [ratio]	8.53	1.73	2.64	5.40	8.27	5.16	6.67	2.94	1.24	10.1	8.46
Sulphur (total) [%]	0.159	0.704	0.555	0.249	0.161	0.278	0.258	0.379	0.790	0.398	0.183
Acid Leachable SO4-S [%]	0.07	0.22	0.16	0.09	0.04	0.10	0.14	0.13	0.17	0.27	0.04
Sulphide [%]	0.09	0.48	0.40	0.16	0.12	0.18	0.12	0.25	0.62	0.13	0.14
Carbon (total) [%]	0.115	0.227	0.272	0.157	0.187	0.187	0.095	0.076	0.126	0.392	0.356
Carbonate [%]	0.390	0.639	0.819	0.540	0.689	0.605	0.290	0.200	0.370	1.38	1.39
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

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ABA - Modified Sobek with Siderite correction

LR Report : **CA14162-JUN17**

Analysis	16: AMQ-ENV17-12 (CAEXD331863)	17: AMQ-ENV17-13 (CAEXD331864)
Sample Date & Time	12-May-17	12-May-17
Paste pH	9.85	9.92
Fizz Rate [---]	2	2
Sample weight [g]	2.01	1.99
HCl Added [mL]	24.00	20.00
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
NaOH to pH=8.3 [mL]	8.26	5.47
Final pH	2.13	2.47
NP [t CaCO3/1000 t]	27	28
AP [t CaCO3/1000 t]	3.44	4.06
Net NP [t CaCO3/1000 t]	23.6	23.9
NP/AP [ratio]	7.85	6.89
Sulphur (total) [%]	0.309	0.443
Acid Leachable SO4-S [%]	0.20	0.31
Sulphide [%]	0.11	0.13
Carbon (total) [%]	0.279	0.159
Carbonate [%]	0.969	0.445
C(g) [%]	< 0.05	< 0.05

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

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21-June-2017

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Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 06 June 2017
LR Report: **CA14163-JUN17**
Reference: Amaruq Project Golder #1665859

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV17-01 (CAEXD331865)	6: AMQ-ENV17-02 (CAEXD331866)	7: AMQ-ENV17-03 (CAEXD331867)	8: AMQ-ENV17-04 (CAEXD331868)	9: AMQ-ENV17-05 (CAEXD331869)	10: AMQ-ENV17-06 (CAEXD331870)	11: AMQ-ENV17-07 (CAEXD331871)
Sample Date & Time			12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17
Sample weight [g]	16-Jun-17	09:00	200	200	200	200	200	200	200
Volume D.I. Water [mL]	16-Jun-17	09:00	800	800	800	800	800	800	800
Final pH	16-Jun-17	09:00	9.72	9.35	9.39	9.71	9.58	9.57	9.76
pH [no unit]	21-Jun-17	11:48	7.91	7.96	7.94	8.00	8.00	7.84	7.90
Alkalinity [mg/L as CaCO3]	21-Jun-17	11:48	43	37	39	44	38	37	42
Conductivity [uS/cm]	21-Jun-17	11:48	105	107	103	105	92	91	98
Fluoride [mg/L]	19-Jun-17	08:46	0.59	0.57	0.47	0.52	0.36	0.67	0.47
Chloride [mg/L]	16-Jun-17	08:04	2	6	5	2	3	3	3
Sulphate [mg/L]	16-Jun-17	08:04	< 2	2	2	< 2	< 2	< 2	< 2
Bromide [mg/L]	16-Jun-17	16:11	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	16-Jun-17	16:11	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	16-Jun-17	16:11	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	19-Jun-17	08:54	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Phosphorus (total reactive) [mg/L]	16-Jun-17	11:55	0.04	< 0.03	< 0.03	0.13	< 0.03	< 0.03	0.05
Mercury [mg/L]	19-Jun-17	09:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	19-Jun-17	14:56	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	19-Jun-17	14:56	2.35	1.54	1.72	1.87	1.43	1.40	2.08
Arsenic [mg/L]	19-Jun-17	14:56	0.0778	0.0351	0.0154	0.311	0.0654	0.0673	0.0692
Barium [mg/L]	19-Jun-17	14:56	0.0127	0.00402	0.00816	0.00799	0.00615	0.00377	0.00730

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SFE -24hr 4:1 L/S ratio

LR Report : **CA14163-JUN17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV17-01 (CAEXD331865)	6: AMQ-ENV17-02 (CAEXD331866)	7: AMQ-ENV17-03 (CAEXD331867)	8: AMQ-ENV17-04 (CAEXD331868)	9: AMQ-ENV17-05 (CAEXD331869)	10: AMQ-ENV17-06 (CAEXD331870)	11: AMQ-ENV17-07 (CAEXD331871)
Boron [mg/L]	19-Jun-17	14:56	0.030	0.019	0.017	0.017	0.020	0.030	0.025
Beryllium [mg/L]	19-Jun-17	14:56	0.000016	< 0.000007	0.000015	0.000009	< 0.000007	< 0.000007	0.000008
Bismuth [mg/L]	19-Jun-17	14:56	0.000018	0.000011	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000008
Calcium [mg/L]	19-Jun-17	14:56	2.30	5.19	4.44	2.48	3.58	3.99	2.05
Cadmium [mg/L]	19-Jun-17	14:56	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000006	< 0.000003	< 0.000003
Cobalt [mg/L]	19-Jun-17	14:56	0.000144	0.000050	0.000063	0.000105	0.000049	0.000038	0.000107
Chromium [mg/L]	19-Jun-17	14:56	0.00061	0.00028	0.00057	0.00083	0.00035	0.00034	0.00067
Copper [mg/L]	19-Jun-17	14:56	0.00029	0.00096	0.00155	0.00073	0.00029	0.00055	0.00129
Iron [mg/L]	19-Jun-17	14:56	0.452	0.173	0.352	0.308	0.166	0.137	0.327
Potassium [mg/L]	19-Jun-17	14:56	25.1	19.1	20.2	21.3	15.5	14.9	20.6
Lithium [mg/L]	19-Jun-17	14:56	0.0020	0.0005	0.0004	0.0006	0.0006	0.0003	0.0008
Magnesium [mg/L]	19-Jun-17	14:56	0.407	0.589	0.605	0.366	0.457	0.460	0.312
Manganese [mg/L]	19-Jun-17	14:56	0.0277	0.00280	0.00620	0.00528	0.00321	0.00287	0.00590
Molybdenum [mg/L]	19-Jun-17	14:56	0.00190	0.00090	0.00105	0.00129	0.00114	0.00135	0.00107
Sodium [mg/L]	19-Jun-17	14:56	4.07	3.46	3.46	6.03	5.36	5.13	5.33
Nickel [mg/L]	19-Jun-17	14:56	0.0005	0.0002	0.0004	0.0003	0.0003	0.0003	0.0003
Phosphorus [mg/L]	19-Jun-17	14:56	0.026	0.012	0.019	0.029	0.029	0.017	0.039
Lead [mg/L]	19-Jun-17	14:56	0.00048	0.00022	0.00024	0.00013	0.00007	0.00010	0.00034
Antimony [mg/L]	19-Jun-17	14:56	0.0078	0.0063	0.0056	0.0097	0.0055	0.0065	0.0059
Selenium [mg/L]	19-Jun-17	14:56	0.00022	0.00006	< 0.00004	0.00009	0.00005	< 0.00004	0.00011
Silicon [mg/L]	19-Jun-17	14:56	4.12	1.44	2.61	3.21	2.53	2.40	2.85
Tin [mg/L]	19-Jun-17	14:56	0.00008	0.00030	0.00053	0.00019	0.00004	0.00015	0.00036
Strontium [mg/L]	19-Jun-17	14:56	0.00702	0.0161	0.0195	0.0220	0.0372	0.0524	0.0242
Titanium [mg/L]	19-Jun-17	14:56	0.0233	0.00580	0.0140	0.0174	0.00739	0.00656	0.0167
Thallium [mg/L]	19-Jun-17	14:56	0.000030	< 0.000005	0.000008	0.000023	0.000009	0.000016	0.000025
Uranium [mg/L]	19-Jun-17	14:56	0.00556	0.00203	0.00282	0.00343	0.00221	0.00206	0.00286
Vanadium [mg/L]	19-Jun-17	14:56	0.0165	0.00565	0.00842	0.0210	0.0158	0.0154	0.0194
Zinc [mg/L]	19-Jun-17	14:56	0.002	0.002	0.003	< 0.002	< 0.002	< 0.002	0.002

Analysis	12: AMQ-ENV17-08 (CAEXD331872)	13: AMQ-ENV17-09 (CAEXD331860)	14: AMQ-ENV17-10 (CAEXD331861)	15: AMQ-ENV17-11 (CAEXD331862)	16: AMQ-ENV17-12 (CAEXD331863)	17: AMQ-ENV17-13 (CAEXD331864)	18: AMQ-ENV17-13 (CAEXD331864)
Sample Date & Time	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	
Sample weight [g]	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800

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SFE -24hr 4:1 L/S ratio

LR Report : **CA14163-JUN17**

Analysis	12: AMQ-ENV17-08 (CAEXD331872)	13: AMQ-ENV17-09 (CAEXD331860)	14: AMQ-ENV17-10 (CAEXD331861)	15: AMQ-ENV17-11 (CAEXD331862)	16: AMQ-ENV17-12 (CAEXD331863)	17: AMQ-ENV17-13 (CAEXD331864)	18: AMQ-ENV17-13 (CAEXD331864)
Final pH	9.46	9.22	9.57	9.52	9.64	9.66	9.64
pH [no unit]	7.91	7.90	8.00	7.89	7.97	7.90	7.93
Alkalinity [mg/L as CaCO3]	41	42	41	40	44	41	39
Conductivity [uS/cm]	132	126	101	102	107	100	99
Fluoride [mg/L]	0.65	0.33	0.28	0.32	0.61	0.62	0.60
Chloride [mg/L]	3	8	3	4	4	3	3
Sulphate [mg/L]	< 2	4	< 2	< 2	< 2	< 2	< 2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	3.80	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.04
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	1.39	1.32	1.36	1.40	1.78	1.85	1.87
Arsenic [mg/L]	0.0293	0.0383	0.131	0.0362	0.0727	0.0973	0.0851
Barium [mg/L]	0.00500	0.00385	0.00228	0.00233	0.00308	0.00469	0.00427
Boron [mg/L]	0.028	0.021	0.013	0.015	0.029	0.013	0.011
Beryllium [mg/L]	< 0.000007	0.000010	< 0.000007	< 0.000007	< 0.000007	0.000008	0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	3.99	4.98	3.50	3.87	3.06	2.73	3.04
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000062	0.000029	0.000014	0.000026	0.000040	0.000167	0.000048
Chromium [mg/L]	0.00042	0.00037	0.00016	0.00031	0.00036	0.00046	0.00044
Copper [mg/L]	0.00026	0.00095	0.00041	0.00089	0.00111	0.00059	0.00099
Iron [mg/L]	0.227	0.148	0.049	0.082	0.139	0.255	0.254
Potassium [mg/L]	23.4	30.2	20.6	20.8	22.0	21.7	21.9
Lithium [mg/L]	0.0008	0.0009	0.0005	0.0003	0.0003	0.0008	0.0005
Magnesium [mg/L]	0.567	0.705	0.386	0.399	0.316	0.314	0.324
Manganese [mg/L]	0.00424	0.00216	0.00111	0.00180	0.00223	0.00410	0.00378
Molybdenum [mg/L]	0.00106	0.00475	0.00117	0.00169	0.00084	0.00085	0.00063
Sodium [mg/L]	6.62	1.05	3.84	3.12	4.71	3.83	3.67
Nickel [mg/L]	0.0003	0.0002	0.0001	0.0002	0.0003	0.0003	0.0003
Phosphorus [mg/L]	0.026	0.010	0.008	0.010	0.008	0.020	0.024
Lead [mg/L]	0.00011	0.00015	0.00006	0.00011	0.00026	0.00010	0.00011
Antimony [mg/L]	0.0077	0.0066	0.0105	0.0077	0.0131	0.0092	0.0085

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SFE -24hr 4:1 L/S ratio

LR Report : **CA14163-JUN17**

Analysis	12: AMQ-ENV17-08 (CAEXD331872)	13: AMQ-ENV17-09 (CAEXD331860)	14: AMQ-ENV17-10 (CAEXD331861)	15: AMQ-ENV17-11 (CAEXD331862)	16: AMQ-ENV17-12 (CAEXD331863)	17: AMQ-ENV17-13 (CAEXD331864)	18: AMQ-ENV17-13 (CAEXD331864)
Selenium [mg/L]	< 0.00004	0.00009	0.00008	0.00007	0.00008	0.00007	0.00006
Silicon [mg/L]	2.35	1.42	1.77	1.67	2.06	2.32	2.39
Tin [mg/L]	0.00002	0.00021	0.00007	0.00035	0.00016	0.00003	0.00024
Strontium [mg/L]	0.0354	0.0120	0.0128	0.0127	0.0128	0.0107	0.0106
Titanium [mg/L]	0.0107	0.00738	0.00262	0.00422	0.00603	0.0134	0.0122
Thallium [mg/L]	0.000015	< 0.000005	0.000008	0.000008	0.000012	0.000011	0.000009
Uranium [mg/L]	0.00243	0.000659	0.00197	0.00105	0.00173	0.00227	0.00208
Vanadium [mg/L]	0.0121	0.00371	0.00924	0.00769	0.0138	0.0136	0.0132
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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23-June-2017

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Date Rec. : 06 June 2017
LR Report: **CA14164-JUN17**
Reference: Amaruq Project Golder #1665859

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV17-01 (CAEXD331865)	6: AMQ-ENV17-02 (CAEXD331866)	7: AMQ-ENV17-03 (CAEXD331867)	8: AMQ-ENV17-04 (CAEXD331868)	9: AMQ-ENV17-05 (CAEXD331869)	10: AMQ-ENV17-06 (CAEXD331870)	11: AMQ-ENV17-07 (CAEXD331871)	12: AMQ-ENV17-08 (CAEXD331872)
Sample Date & Time					12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17
Fluoride [µg/g]	14-Jun-17	19:42	19-Jun-17	08:13	254	247	223	271	181	241	259	287
Mercury [ug/g]	16-Jun-17	11:41	16-Jun-17	13:54	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	16-Jun-17	15:45	19-Jun-17	13:02	17000	19000	16000	17000	14000	15000	20000	22000
Silver [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	0.26	0.48	0.11	0.09	0.11	0.25	0.24	0.19
Arsenic [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	28	110	21	160	52	51	48	48
Boron [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	3	2	1	< 1	2	2	2	1
Barium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	100	83	45	85	61	44	86	80
Beryllium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	0.23	0.26	0.23	0.18	0.17	0.23	0.14	0.15
Bismuth [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	0.41	1.0	< 0.09	< 0.09	< 0.09	0.22	0.23	0.10
Calcium [µg/g]	16-Jun-17	15:45	19-Jun-17	13:02	5600	9100	11000	7900	8400	8400	6200	5200
Cadmium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	0.12	0.17	0.11	0.10	0.11	0.14	0.12	0.10
Cobalt [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	9.0	18	11	14	11	12	16	15
Chromium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	32	44	27	35	35	35	38	39
Copper [µg/g]	16-Jun-17	20:00	19-Jun-17	11:31	24	31	20	32	23	25	31	34
Iron [µg/g]	16-Jun-17	15:45	19-Jun-17	13:02	31000	45000	33000	32000	27000	30000	34000	41000
Potassium [µg/g]	16-Jun-17	15:45	19-Jun-17	13:02	13000	9000	6400	12000	6300	4600	14000	14000
Lithium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	12	10	6	7	8	9	9	9
Magnesium [µg/g]	16-Jun-17	15:45	19-Jun-17	13:02	8700	9100	8800	9300	8000	8600	10000	12000
Manganese [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	380	530	400	380	420	440	470	500

OnLine LIMS

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LR Report : **CA14164-JUN17**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV17-01 (CAEXD331865)	6: AMQ-ENV17-02 (CAEXD331866)	7: AMQ-ENV17-03 (CAEXD331867)	8: AMQ-ENV17-04 (CAEXD331868)	9: AMQ-ENV17-05 (CAEXD331869)	10: AMQ-ENV17-06 (CAEXD331870)	11: AMQ-ENV17-07 (CAEXD331871)	12: AMQ-ENV17-08 (CAEXD331872)
Molybdenum [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	2.2	1.7	1.7	1.4	1.4	1.9	2.3	2.0
Sodium [µg/g]	16-Jun-17	15:45	19-Jun-17	13:02	610	600	600	840	920	650	1100	880
Nickel [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	20	33	24	28	22	27	33	33
Phosphorus [µg/g]	16-Jun-17	15:45	19-Jun-17	13:02	530	660	700	850	620	700	760	710
Lead [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	26	42	7.7	8.1	9.7	21	18	13
Antimony [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	16-Jun-17	15:45	19-Jun-17	13:02	7800	7200	11000	7300	8800	8000	11000	9500
Tin [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	< 0.5	< 0.5	< 0.5	< 0.5	0.6	0.5	< 0.5	< 0.5
Strontium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	17	23	24	25	24	31	27	23
Titanium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	990	830	450	920	630	550	1100	1000
Thallium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	0.79	0.74	0.52	0.80	0.39	0.34	0.92	0.99
Uranium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	3.5	2.6	2.7	2.4	2.4	2.8	2.7	2.9
Vanadium [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	23	28	15	29	25	27	29	32
Zinc [µg/g]	16-Jun-17	20:00	19-Jun-17	11:32	61	72	64	74	61	68	77	79

Analysis	13: AMQ-ENV17-09 (CAEXD331860)	14: AMQ-ENV17-10 (CAEXD331861)	15: AMQ-ENV17-11 (CAEXD331862)	16: AMQ-ENV17-12 (CAEXD331863)	17: AMQ-ENV17-13 (CAEXD331864)
Sample Date & Time	12-May-17	12-May-17	12-May-17	12-May-17	12-May-17
Fluoride [µg/g]	222	199	214	232	213
Mercury [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	23000	15000	17000	23000	20000
Silver [µg/g]	0.36	0.39	0.16	0.32	0.25
Arsenic [µg/g]	160	110	52	74	100
Boron [µg/g]	2	< 1	1	< 1	< 1
Barium [µg/g]	53	49	48	55	75
Beryllium [µg/g]	0.35	0.20	0.21	0.24	0.17
Bismuth [µg/g]	< 0.09	0.52	< 0.09	0.25	< 0.09
Calcium [µg/g]	5100	13000	13000	12000	7300
Cadmium [µg/g]	0.06	0.13	0.13	0.14	0.35
Cobalt [µg/g]	20	12	16	14	13
Chromium [µg/g]	38	30	34	43	36
Copper [µg/g]	50	37	29	37	38

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LR Report : **CA14164-JUN17**

Analysis	13: AMQ-ENV17-09 (CAEXD331860)	14: AMQ-ENV17-10 (CAEXD331861)	15: AMQ-ENV17-11 (CAEXD331862)	16: AMQ-ENV17-12 (CAEXD331863)	17: AMQ-ENV17-13 (CAEXD331864)
Iron [µg/g]	52000	33000	33000	43000	43000
Potassium [µg/g]	12000	7300	7600	12000	13000
Lithium [µg/g]	13	8	9	10	9
Magnesium [µg/g]	13000	8100	9400	12000	10000
Manganese [µg/g]	410	400	420	520	460
Molybdenum [µg/g]	2.3	1.6	1.5	1.8	1.5
Sodium [µg/g]	140	600	530	750	660
Nickel [µg/g]	54	27	39	38	28
Phosphorus [µg/g]	680	600	690	730	630
Lead [µg/g]	6.2	28	17	21	9.8
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	9000	7700	8300	10000	7600
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	15	35	28	21	17
Titanium [µg/g]	790	540	680	1000	1100
Thallium [µg/g]	0.63	0.45	0.42	0.61	0.64
Uranium [µg/g]	1.8	2.4	2.3	2.4	2.4
Vanadium [µg/g]	24	17	21	30	28
Zinc [µg/g]	66	54	64	73	73

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Project Specialist
Environmental Services, Analytical

OnLine LIMS

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17-May-2017

Agnico Eagle Mines Limited
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Date Rec. : 10 May 2017
LR Report: **CA14286-MAY17**
Reference: Amaruq Project Golder #1541520

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: AMQ17-1245 CR-01 0.5m-0.9m	6: AMQ17-1245 CR-01 0.7m-1.0m	7: AMQ17-1245 CR-02 2.40m-2.90m	8: AMQ17-1245 CR-02 3.64m-4.30m	9: AMQ17-1245 CR-03 3.0m-3.4m	10: AMQ17-1245 CR-03 4.7m-5.06m	11: AMQ17-1245 CR-04 4.3m-4.65m	12: AMQ17-1245 CR-04 5.4m-5.75m	13: AMQ17-1245 CR-05 7.10m-7.45m	14: AMQ17-1245 CR-06 7.70m-8.07m	15: AMQ17-1228
Sample Date & Time	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17
SiO2 [%]	68.4	68.2	62.7	64.7	56.3	54.4	53.8	52.9	49.7	45.9	64.6
Al2O3 [%]	13.6	13.0	11.1	13.9	11.9	14.1	11.6	11.9	10.7	9.66	15.6
Fe2O3 [%]	4.89	5.42	6.35	6.57	11.7	9.08	9.35	9.48	10.3	10.2	5.66
MgO [%]	1.55	2.87	4.97	2.99	4.02	7.35	8.40	10.8	13.4	13.0	1.83
CaO [%]	1.61	2.26	3.56	2.85	4.41	4.13	5.73	5.35	6.36	8.14	1.94
Na2O [%]	3.05	2.95	2.32	3.07	2.93	2.96	2.06	1.72	1.19	1.43	2.97
K2O [%]	3.96	3.28	2.76	3.37	2.95	3.66	3.31	3.79	2.55	2.32	4.02
TiO2 [%]	0.49	0.53	0.55	0.59	1.18	0.75	0.69	0.62	0.63	0.69	0.69
P2O5 [%]	0.15	0.18	0.18	0.21	0.36	0.36	0.29	0.32	0.37	0.32	0.25
MnO [%]	0.06	0.07	0.10	0.08	0.13	0.14	0.15	0.17	0.20	0.16	0.06
Cr2O3 [%]	0.02	0.03	0.06	0.03	0.03	0.08	0.09	0.14	0.15	0.14	0.01
V2O5 [%]	< 0.01	< 0.01	0.01	0.01	0.03	0.02	0.03	0.03	0.03	0.03	0.01
LOI [%]	1.95	2.63	4.12	2.80	3.77	2.88	4.25	2.62	4.66	6.96	2.80
Sum [%]	99.7	101.5	98.8	101.2	99.7	99.9	99.7	99.8	100.2	99.0	100.4

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LR Report : **CA14286-MAY17**



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0001001698

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30-May-2017

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Date Rec. : 10 May 2017
LR Report: **CA14287-MAY17**
Reference: Amaruq Project Golder #1541520

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: AMQ17-1245 CR-01 0.5m-0.9m	6: AMQ17-1245 CR-01 0.7m-1.0m	7: AMQ17-1245 CR-02 2.40m-2.90m	8: AMQ17-1245 CR-02 3.64m-4.30m	9: AMQ17-1245 CR-03 3.0m-3.4m	10: AMQ17-1245 CR-03 4.7m-5.06m	11: AMQ17-1245 CR-04 4.3m-4.65m	12: AMQ17-1245 CR-04 5.4m-5.75m	13: AMQ17-1245 CR-05 7.10m-7.45m	14: AMQ17-1245 CR-06 7.70m-8.07m	15: AMQ17-1228
Sample Date & Time	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17
Paste pH	7.67	7.24	7.52	7.55	7.04	7.96	7.55	8.28	7.85	7.59	8.32
Fizz Rate [---]	1	1	1	1	1	1	1	1	1	1	1
Sample weight [g]	2.00	2.04	2.01	1.94	1.91	1.99	1.98	1.97	1.99	1.96	2.02
HCl Added [mL]	20.00	20.00	28.00	28.00	44.00	36.00	28.00	26.70	36.00	27.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	7.35	6.81	12.08	13.06	25.40	15.60	10.95	9.60	14.40	8.56	6.39
Final pH	2.40	2.45	2.12	2.06	1.71	1.99	2.21	2.22	1.98	2.23	2.37
NP [t CaCO3/1000 t]	20	22	21	17	34	27	26	28	31	33	24
AP [t CaCO3/1000 t]	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Net NP [t CaCO3/1000 t]	19.4	21.4	20.4	16.4	33.4	26.4	25.4	27.4	30.4	32.4	23.4
NP/AP [ratio]	32.3	35.5	33.9	27.4	54.8	43.5	41.9	45.2	50.0	53.2	38.7
Sulphur (total) [%]	< 0.005	< 0.005	0.005	< 0.005	0.007	0.020	< 0.005	0.033	0.005	< 0.005	< 0.005
Acid Leachable SO4-S [%]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Sulphide [%]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02
Carbon (total) [%]	0.047	0.131	0.277	0.044	0.084	0.082	0.068	0.041	0.159	0.125	0.056
Carbonate [%]	< 0.025	0.030	0.135	< 0.025	0.120	0.060	0.130	< 0.025	0.140	0.275	< 0.025

OnLine LIMS

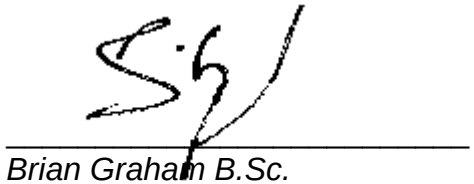
0001015270

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ABA - Modified Sobek with Siderite correction

LR Report : **CA14287-MAY17**



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OnLine LIMS

0001015270

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30-May-2017

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Date Rec. : 10 May 2017
LR Report: **CA14288-MAY17**
Reference: Amaruq Project Golder #1541520

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1245 CR-01 0.5m-0.9m	6: AMQ17-1245 CR-01 0.7m-1.0m	7: AMQ17-1245 CR-02 2.40m-2.90m	8: AMQ17-1245 CR-02 3.64m-4.30m	9: AMQ17-1245 CR-03 3.0m-3.4m	10: AMQ17-1245 CR-03 4.7m-5.06m	11: AMQ17-1245 CR-04 4.3m-4.65m
Sample Date & Time			25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17
Sample weight [g]	24-May-17	15:47	200	200	200	200	200	200	200
Volume D.I. Water [mL]	24-May-17	15:47	800	800	800	800	800	800	800
Final pH	24-May-17	15:47	7.74	7.07	7.26	7.91	8.22	7.92	8.88
pH [no unit]	26-May-17	09:50	7.18	7.11	7.33	7.14	6.77	7.31	7.65
Alkalinity [mg/L as CaCO3]	26-May-17	09:50	11	11	36	8	5	14	11
Conductivity [uS/cm]	26-May-17	13:32	1450	2160	4620	2200	6540	1680	4320
Fluoride [mg/L]	25-May-17	13:47	0.16	0.12	0.15	0.17	0.30	0.29	0.17
Chloride [mg/L]	26-May-17	08:19	450	850	2400	890	3800	610	2100
Sulphate [mg/L]	25-May-17	09:12	2	< 2	5	< 2	< 2	3	< 2
Bromide [mg/L]	25-May-17	12:59	0.7	1.1	3.2	1.1	5.0	0.8	2.7
Nitrite (as N) [mg/L]	25-May-17	12:59	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Nitrate (as N) [mg/L]	25-May-17	12:59	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Chromium VI [ug/L]	26-May-17	16:07	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Phosphorus (total reactive) [mg/L]	30-May-17	11:29	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03	< 0.03
Mercury [mg/L]	26-May-17	13:34	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	29-May-17	11:32	< 0.00005	< 0.00005	0.03462	< 0.00005	0.00084	< 0.00005	< 0.00005

OnLine LIMS

0001015274

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Phone: 705-652-2000 FAX: 705-652-6365

SFE -24hr 4:1 L/S ratio

LR Report : **CA14288-MAY17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1245 CR-01 0.5m-0.9m	6: AMQ17-1245 CR-01 0.7m-1.0m	7: AMQ17-1245 CR-02 2.40m-2.90m	8: AMQ17-1245 CR-02 3.64m-4.30m	9: AMQ17-1245 CR-03 3.0m-3.4m	10: AMQ17-1245 CR-03 4.7m-5.06m	11: AMQ17-1245 CR-04 4.3m-4.65m
Aluminum [mg/L]	29-May-17	11:32	0.085	0.019	0.021	0.086	0.089	0.033	0.089
Arsenic [mg/L]	29-May-17	11:32	0.0012	0.0020	0.0010	0.0009	0.0005	0.0008	0.0015
Barium [mg/L]	29-May-17	11:32	0.624	0.559	1.11	0.481	1.08	0.374	0.591
Boron [mg/L]	29-May-17	11:32	0.068	0.098	0.173	0.148	0.310	0.072	0.204
Beryllium [mg/L]	29-May-17	11:32	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	29-May-17	11:32	< 0.000007	< 0.000007	0.000007	< 0.000007	0.000009	< 0.000007	< 0.000007
Calcium [mg/L]	30-May-17	13:34	244	450	1190	457	2040	324	998
Cadmium [mg/L]	29-May-17	11:32	0.000027	0.000111	0.000282	0.000034	0.000035	0.000045	0.000050
Cobalt [mg/L]	29-May-17	11:32	0.000110	0.000748	0.00248	0.000146	0.000269	0.000409	0.000050
Chromium [mg/L]	29-May-17	11:32	0.00014	0.00008	0.00016	0.00010	0.00012	0.00009	0.00024
Copper [mg/L]	29-May-17	11:32	0.00303	0.00124	0.0954	0.00131	0.01906	0.00162	0.00288
Iron [mg/L]	29-May-17	11:32	0.011	0.008	0.008	< 0.007	< 0.007	< 0.007	< 0.007
Potassium [mg/L]	29-May-17	11:32	30.3	49.0	108	42.6	123	43.7	74.3
Lithium [mg/L]	29-May-17	11:32	0.0393	0.0160	0.470	0.191	1.30	0.154	0.517
Magnesium [mg/L]	29-May-17	11:32	7.91	13.2	44.0	10.4	10.5	22.7	15.0
Manganese [mg/L]	29-May-17	11:32	0.0696	0.726	1.30	0.106	0.0996	0.534	0.0141
Molybdenum [mg/L]	29-May-17	11:32	0.00230	0.00129	0.0143	0.00568	0.03017	0.00611	0.0105
Sodium [mg/L]	29-May-17	11:32	10.7	14.2	44.1	14.6	48.3	11.7	26.5
Nickel [mg/L]	29-May-17	11:32	0.0006	0.0025	0.0809	0.0008	0.0035	0.0021	0.0008
Phosphorus [mg/L]	29-May-17	11:32	0.005	< 0.003	0.020	0.006	0.014	0.005	0.009
Lead [mg/L]	29-May-17	11:32	0.00010	0.00006	0.00006	0.00011	0.00004	0.00008	0.00003
Antimony [mg/L]	29-May-17	11:32	0.0004	0.0004	0.0005	0.0004	0.0003	0.0004	0.0006
Selenium [mg/L]	29-May-17	11:32	0.00007	0.00006	0.00013	0.00005	< 0.00004	0.00010	0.00006
Silicon [mg/L]	29-May-17	11:32	2.77	3.30	5.54	2.79	1.44	3.60	3.41
Tin [mg/L]	29-May-17	11:32	0.00029	0.00013	0.00015	0.00090	0.00021	0.00029	0.00064
Strontium [mg/L]	30-May-17	13:34	3.25	6.40	17.0	6.50	32.0	3.19	16.5
Titanium [mg/L]	29-May-17	11:33	0.00015	0.00016	0.00020	0.00013	0.00018	0.00006	< 0.00005
Thallium [mg/L]	29-May-17	11:33	0.000076	0.000155	0.000149	0.000070	0.000133	< 0.000005	0.000042
Uranium [mg/L]	29-May-17	11:33	0.000509	0.000072	0.00195	0.000399	0.000030	0.00118	0.000139
Vanadium [mg/L]	29-May-17	11:33	0.00028	0.00015	0.00060	0.00035	0.00013	0.00039	0.00158
Zinc [mg/L]	29-May-17	11:33	< 0.002	< 0.002	0.009	< 0.002	< 0.002	< 0.002	< 0.002

OnLine LIMS

000101527

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Analysis	12: AMQ17-1245 CR-04 5.4m-5.75m	13: AMQ17-1245 CR-05 7.10m-7.45m	14: AMQ17-1245 CR-06 7.70m-8.07m	15: AMQ17-1228
Sample Date & Time	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17
Sample weight [g]	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800
Final pH	9.35	9.21	9.31	7.73
pH [no unit]	8.33	7.71	7.90	7.32
Alkalinity [mg/L as CaCO3]	12	8	10	14
Conductivity [uS/cm]	575	1480	6630	112
Fluoride [mg/L]	0.23	0.18	0.29	0.54
Chloride [mg/L]	150	470	4000	9
Sulphate [mg/L]	2	< 2	3	4
Bromide [mg/L]	< 0.3	0.7	5.3	< 0.3
Nitrite (as N) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
Nitrate (as N) [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Chromium VI [ug/L]	0.2	< 0.2	0.4	< 0.2
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	0.04	0.04
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	0.049	0.018	0.055	0.480
Arsenic [mg/L]	0.0149	0.0044	0.0019	0.0038
Barium [mg/L]	0.0881	0.499	1.13	0.0162
Boron [mg/L]	0.027	0.086	0.353	0.024
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000034
Bismuth [mg/L]	< 0.000007	< 0.000007	0.000008	0.000014
Calcium [mg/L]	68.4	273	2050	5.36
Cadmium [mg/L]	0.000003	< 0.000003	0.000005	0.000006
Cobalt [mg/L]	0.000006	0.000009	0.000035	0.000280
Chromium [mg/L]	0.00030	0.00008	0.00075	0.00110
Copper [mg/L]	0.00049	0.00032	0.00089	0.00345
Iron [mg/L]	< 0.007	< 0.007	0.009	0.630
Potassium [mg/L]	37.4	39.2	136	10.2
Lithium [mg/L]	0.0268	0.0967	0.943	0.0066

OnLine LIMS

000101527 4

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Lakefield - Ontario - KOL 2HO
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SFE -24hr 4:1 L/S ratio

LR Report : **CA14288-MAY17**

Analysis	12: AMQ17-1245 CR-04 5.4m-5.75m	13: AMQ17-1245 CR-05 7.10m-7.45m	14: AMQ17-1245 CR-06 7.70m-8.07m	15: AMQ17-1228
Magnesium [mg/L]	5.89	11.6	17.0	1.09
Manganese [mg/L]	0.00061	0.00172	0.00267	0.0122
Molybdenum [mg/L]	0.00356	0.00214	0.00408	0.0152
Sodium [mg/L]	5.57	8.54	49.5	4.15
Nickel [mg/L]	0.0002	0.0001	0.0005	0.0018
Phosphorus [mg/L]	0.019	0.008	0.005	0.086
Lead [mg/L]	0.00005	0.00002	0.00009	0.00073
Antimony [mg/L]	0.0023	0.0009	0.0016	0.0015
Selenium [mg/L]	0.00015	0.00005	0.00018	0.00036
Silicon [mg/L]	7.60	6.80	5.55	5.62
Tin [mg/L]	0.00131	0.00007	0.00028	0.00025
Strontium [mg/L]	0.671	3.30	36.4	0.0234
Titanium [mg/L]	0.00016	0.00020	0.00008	0.0231
Thallium [mg/L]	0.000009	0.000017	0.000093	0.000009
Uranium [mg/L]	0.000051	0.000011	0.000007	0.000346
Vanadium [mg/L]	0.00971	0.00401	0.00937	0.00491
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	0.002

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

000101527 4

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29-May-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac
Rouyn-Noranda, Quebec
J0Y 1C0,

Phone: (819) 759-3700
Fax:(819) 759-3663

Date Rec. : 10 May 2017
LR Report: **CA14289-MAY17**
Reference: Amaruq Project Golder #1541520

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1245 CR-01 0.5m-0.9m	6: AMQ17-1245 CR-01 0.7m-1.0m	7: AMQ17-1245 CR-02 2.40m-2.90m	8: AMQ17-1245 CR-02 3.64m-4.30m	9: AMQ17-1245 CR-03 3.0m-3.4m	10: AMQ17-1245 CR-03 4.7m-5.06m	11: AMQ17-1245 CR-04 4.3m-4.65m	12: AMQ17-1245 CR-04 5.4m-5.75m	13: AMQ17-1245 CR-05 7.10m-7.45m	14: AMQ17-1245 CR-06 7.70m-8.07m	15: AMQ17-1228
Sample Date & Time			25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17
Fluoride [µg/g]	19-May-17	15:10	142	198	191	221	249	409	300	376	389	316	199
Mercury [ug/g]	25-May-17	07:27	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	19-May-17	09:15	13000	14000	16000	18000	16000	30000	23000	26000	30000	26000	16000
Silver [µg/g]	19-May-17	10:24	0.45	0.93	380	3.5	170	13	15	0.81	2.7	5.5	0.15
Arsenic [µg/g]	19-May-17	10:24	5.9	6.2	5.3	9.2	6.0	10	2.6	12	4.5	1.5	1.8
Boron [µg/g]	19-May-17	10:24	4	2	3	3	4	1	3	1	2	4	3
Barium [µg/g]	19-May-17	10:24	120	140	130	180	160	510	280	330	300	310	110
Beryllium [µg/g]	19-May-17	10:24	0.55	0.39	0.35	0.41	0.30	0.47	0.40	0.42	0.41	0.32	0.58
Bismuth [µg/g]	19-May-17	10:24	0.38	0.20	0.14	0.16	0.20	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.13
Calcium [µg/g]	19-May-17	09:15	3900	5000	8800	6600	14000	8400	10000	6100	9600	17000	4200
Cadmium [µg/g]	19-May-17	10:24	0.15	0.05	0.05	0.07	0.07	0.09	0.11	0.15	0.02	0.03	0.04
Cobalt [µg/g]	19-May-17	10:24	7.6	11	15	14	18	24	20	28	28	23	11
Chromium [µg/g]	19-May-17	10:24	38	110	190	130	130	310	330	480	620	570	35
Copper [µg/g]	19-May-17	10:24	11	17	490	35	260	70	65	67	40	59	48
Iron [µg/g]	19-May-17	09:15	27000	28000	29000	36000	58000	46000	37000	37000	40000	36000	30000
Potassium [µg/g]	19-May-17	09:15	4800	6700	6100	8100	6900	22000	17000	20000	14000	16000	10000
Lithium [µg/g]	19-May-17	10:24	13	15	17	19	19	24	23	20	26	27	14
Magnesium [µg/g]	19-May-17	09:15	7000	11000	14000	12000	14000	27000	22000	26000	35000	29000	8300
Manganese [µg/g]	19-May-17	10:24	390	380	410	480	530	640	490	460	630	470	320
Molybdenum [µg/g]	19-May-17	10:24	2.1	1.1	1.8	1.0	7.9	0.6	1.1	0.6	0.5	0.2	0.8

OnLine LIMS

0001013552

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LR Report : **CA14289-MAY17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1245 CR-01 0.5m-0.9m	6: AMQ17-1245 CR-01 0.7m-1.0m	7: AMQ17-1245 CR-02 2.40m-2.90m	8: AMQ17-1245 CR-02 3.64m-4.30m	9: AMQ17-1245 CR-03 3.0m-3.4m	10: AMQ17-1245 CR-03 4.7m-5.06m	11: AMQ17-1245 CR-04 4.3m-4.65m	12: AMQ17-1245 CR-04 5.4m-5.75m	13: AMQ17-1245 CR-05 7.10m-7.45m	14: AMQ17-1245 CR-06 7.70m-8.07m	15: AMQ17-1228
Sodium [µg/g]	19-May-17	09:15	900	450	580	690	950	560	450	400	250	430	480
Nickel [µg/g]	19-May-17	10:24	20	40	110	53	57	120	94	180	180	170	43
Phosphorus [µg/g]	19-May-17	09:15	570	680	720	800	1400	1500	1100	1300	1500	1200	1000
Lead [µg/g]	19-May-17	10:24	65	9.4	10	10	6.0	11	8.1	8.6	18	4.0	12
Antimony [µg/g]	19-May-17	10:24	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	19-May-17	10:24	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	19-May-17	09:15	6000	2400	2500	6000	6600	6800	4300	6400	6000	4300	3100
Tin [µg/g]	19-May-17	10:25	0.7	0.5	< 0.5	0.5	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.7
Strontium [µg/g]	19-May-17	10:25	43	68	110	83	140	76	120	59	78	190	50
Titanium [µg/g]	19-May-17	10:25	700	860	890	1100	1500	1900	1400	1500	1300	1400	1000
Thallium [µg/g]	19-May-17	10:25	0.14	0.22	0.17	0.27	0.17	0.69	0.43	0.63	0.34	0.40	0.39
Uranium [µg/g]	19-May-17	10:25	2.3	1.5	1.5	1.6	1.0	0.94	0.82	1.3	0.46	0.31	2.2
Vanadium [µg/g]	19-May-17	10:25	25	32	31	42	87	80	50	41	60	47	30
Zinc [µg/g]	19-May-17	10:25	70	47	60	62	79	65	57	53	53	82	110

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001013552

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Project : 1789310.9200.9230

16-August-2018

Golder Associates
Attn : Rachel James

6925 Century Avenue Suite 100
Mississauga, Ontario
L5N 7K2,

Phone: 905-567-4444
Fax:905-567-6561

Date Rec. : 13 July 2018
LR Report: **CA14340-JUL18**
Reference: 1789310.9200.9230

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
5: AMQ-ENV18-01	N/A	66.5	17.1	3.50	1.59	1.38	2.63	4.02	0.41	0.11	0.05	< 0.01	0.02	2.17	99.4
6: AMQ-ENV18-02	N/A	66.4	17.1	3.48	1.56	1.52	2.99	3.79	0.43	0.13	0.05	< 0.01	< 0.01	2.02	99.5
7: AMQ-ENV18-03	N/A	66.1	16.6	4.06	1.69	1.76	2.64	3.85	0.40	0.12	0.06	0.01	< 0.01	2.21	99.5
8: AMQ-ENV18-04	N/A	69.8	14.1	3.33	1.56	2.27	1.67	3.66	0.31	0.14	0.06	< 0.01	< 0.01	2.83	99.8
9: AMQ-ENV18-05	N/A	68.7	14.3	4.73	1.70	1.87	1.65	3.49	0.36	0.11	0.05	0.01	< 0.01	2.34	99.3
10: AMQ-ENV18-06	N/A	63.5	16.5	6.39	1.96	1.98	2.35	3.56	0.47	0.13	0.09	0.01	0.02	2.33	99.3
11: AMQ-ENV18-07	N/A	62.5	17.3	6.22	2.22	1.79	3.01	3.52	0.52	0.17	0.07	0.01	< 0.01	2.27	99.6
12: AMQ-ENV18-08	N/A	63.6	16.3	6.75	1.90	1.67	3.30	3.39	0.51	0.17	0.08	< 0.01	0.01	1.79	99.5
13: AMQ-ENV18-09	N/A	61.4	16.9	7.39	2.26	1.51	3.15	3.41	0.55	0.18	0.07	< 0.01	0.02	2.56	99.4
14: AMQ-ENV18-10	N/A	62.0	16.6	6.70	1.98	1.79	3.28	3.78	0.50	0.17	0.07	< 0.01	< 0.01	2.29	99.2
15: AMQ-ENV18-11	N/A	61.9	14.2	10.4	2.24	2.03	2.78	2.96	0.44	0.18	0.12	0.01	0.01	1.92	99.1
16: AMQ-ENV18-12	N/A	62.4	14.8	8.59	2.15	3.15	2.50	3.16	0.47	0.17	0.09	0.01	0.02	1.77	99.3
17: AMQ-ENV18-13	N/A	62.1	15.9	7.41	2.06	2.25	3.51	3.24	0.53	0.19	0.08	< 0.01	0.02	2.13	99.4
18: AMQ-ENV18-14	N/A	61.5	14.5	9.95	2.34	2.58	2.49	3.14	0.48	0.19	0.10	< 0.01	0.02	1.83	99.2
19: AMQ-ENV18-15	N/A	66.9	14.0	6.71	2.01	1.67	1.47	3.89	0.37	0.14	0.07	< 0.01	< 0.01	2.07	99.3
20: AMQ-ENV18-16	N/A	66.9	14.2	5.77	1.76	2.23	2.17	3.26	0.30	0.11	0.07	0.01	0.01	2.02	98.8
21: AMQ-ENV18-17	N/A	64.5	15.4	6.77	1.85	2.61	2.42	3.54	0.40	0.15	0.08	< 0.01	< 0.01	1.61	99.4
22: AMQ-ENV18-18	N/A	61.6	16.7	7.51	2.22	2.02	2.68	3.77	0.53	0.17	0.09	0.01	0.02	1.95	99.3

Deanna Edwards

Deanna Edwards, B.Sc, C.Chem
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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ABA - Modified Sobek with Siderite correction

Project : 1789310.9200.9230

11-September-2018

Golder Associates
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6925 Century Avenue Suite 100
Mississauga, Ontario
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Phone: 905-567-4444
Fax:905-567-6561

Date Rec. : 13 July 2018
LR Report: **CA14341-JUL18**
Reference: 1789310.9200.9230

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV18-01	6: AMQ-ENV18-02	7: AMQ-ENV18-03	8: AMQ-ENV18-04	9: AMQ-ENV18-05	10: AMQ-ENV18-06
Paste pH	20-Aug-18	09:30	22-Aug-18	14:46	9.55	9.70	9.60	9.57	9.43	9.53
Fizz Rate [---]	20-Aug-18	09:30	22-Aug-18	14:46	1	1	1	2	1	1
Sample weight [g]	20-Aug-18	09:30	22-Aug-18	14:46	2.01	1.99	2.02	2.01	2.02	2.01
HCl Added [mL]	20-Aug-18	09:30	22-Aug-18	14:46	20.00	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	20-Aug-18	09:30	22-Aug-18	14:46	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	20-Aug-18	09:30	22-Aug-18	14:46	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	20-Aug-18	09:30	22-Aug-18	14:46	16.76	17.04	15.48	9.44	14.72	17.52
Final pH	20-Aug-18	09:30	22-Aug-18	14:46	1.85	1.86	1.98	2.20	2.07	2.01
NP [t CaCO3/1000 t]	20-Aug-18	09:30	22-Aug-18	14:46	9.0	8.0	12	27	14	7.0
AP [t CaCO3/1000 t]	---	---	---	---	2.50	1.56	7.81	0.94	9.06	7.50
Net NP [t CaCO3/1000 t]	---	---	---	---	6.50	6.44	4.19	26.1	4.94	-0.50
NP/AP [ratio]	---	---	---	---	3.60	5.12	1.54	28.8	1.54	0.93
Sulphur (total) [%]	21-Aug-18	15:13	24-Aug-18	15:03	0.135	0.150	0.390	0.055	0.465	0.584
Acid Leachable SO4-S [%]	---	---	24-Aug-18	15:03	0.06	0.10	0.14	0.02	0.18	0.34
Sulphide [%]	24-Aug-18	10:39	24-Aug-18	14:54	0.08	0.05	0.25	0.03	0.29	0.24

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ABA - Modified Sobek with Siderite correction

Project : 1789310.9200.9230

LR Report : **CA14341-JUL18**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV18-01	6: AMQ-ENV18-02	7: AMQ-ENV18-03	8: AMQ-ENV18-04	9: AMQ-ENV18-05	10: AMQ-ENV18-06
Carbon (total) [%]	21-Aug-18	15:13	24-Aug-18	15:03	0.073	0.058	0.126	0.301	0.181	0.078
Carbonate [%]	23-Aug-18	11:34	24-Aug-18	14:48	0.280	0.205	0.555	1.43	0.824	0.260

Analysis	11: AMQ-ENV18-07	12: AMQ-ENV18-08	13: AMQ-ENV18-09	14: AMQ-ENV18-10	15: AMQ-ENV18-11	16: AMQ-ENV18-12	17: AMQ-ENV18-13	18: AMQ-ENV18-14	19: AMQ-ENV18-15	20: AMQ-ENV18-16
Paste pH	9.45	9.48	9.53	9.64	9.44	9.61	9.47	9.48	9.55	9.56
Fizz Rate [---]	2	1	1	2	1	1	1	1	1	2
Sample weight [g]	2.01	2.00	2.03	2.01	2.02	2.02	2.02	2.04	2.02	2.01
HCl Added [mL]	20.00	20.00	20.00	20.00	26.50	26.15	26.30	25.20	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	16.79	17.40	14.13	10.86	19.49	18.46	17.64	18.67	13.75	12.81
Final pH	1.92	1.98	2.12	2.31	2.05	1.97	1.97	1.98	2.14	2.13
NP [t CaCO3/1000 t]	9.0	7.0	15	23	18	20	22	17	16	19
AP [t CaCO3/1000 t]	7.50	4.69	2.81	1.56	8.75	3.44	3.44	5.94	1.25	1.56
Net NP [t CaCO3/1000 t]	1.50	2.31	12.2	21.4	9.25	16.6	18.6	11.1	14.8	17.4
NP/AP [ratio]	1.20	1.49	5.33	14.7	2.06	5.82	6.40	2.86	12.8	12.2
Sulphur (total) [%]	0.380	0.276	0.224	0.141	0.772	0.293	0.233	0.474	0.164	0.234
Acid Leachable SO4-S [%]	0.14	0.13	0.13	0.09	0.49	0.18	0.12	0.28	0.12	0.18
Sulphide [%]	0.24	0.15	0.09	0.05	0.28	0.11	0.11	0.19	0.04	0.05
Carbon (total) [%]	0.084	0.048	0.187	0.274	0.200	0.165	0.218	0.160	0.123	0.190
Carbonate [%]	0.360	0.045	0.669	1.10	0.749	0.739	0.854	0.605	0.515	0.844

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ABA - Modified Sobek with Siderite correction

Project : 1789310.9200.9230

LR Report : **CA14341-JUL18**

Analysis	21: AMQ-ENV18-17	22: AMQ-ENV18-18
Paste pH	9.74	9.60
Fizz Rate [---]	1	1
Sample weight [g]	1.98	1.99
HCl Added [mL]	20.00	20.00
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
NaOH to pH=8.3 [mL]	15.67	15.70
Final pH	2.05	2.02
NP [t CaCO3/1000 t]	12	11
AP [t CaCO3/1000 t]	1.88	3.12
Net NP [t CaCO3/1000 t]	10.1	7.88
NP/AP [ratio]	6.40	3.52
Sulphur (total) [%]	0.253	0.282
Acid Leachable SO4-S [%]	0.19	0.18
Sulphide [%]	0.06	0.10
Carbon (total) [%]	0.096	0.097
Carbonate [%]	0.320	0.315

Chris Sullivan

CHARTERED Christopher Sullivan CHEMIST

Chris Sullivan, B.Sc., C.Chem
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001504307

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Project : 1789310.9200.9230

28-August-2018

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Date Rec. : 13 July 2018
LR Report: **CA14342-JUL18**
Reference: 1789310.9200.9230

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: AMQ-ENV18-01	6: AMQ-ENV18-02	7: AMQ-ENV18-03	8: AMQ-ENV18-04	9: AMQ-ENV18-05	10: AMQ-ENV18-06	11: AMQ-ENV18-07	12: AMQ-ENV18-08	13: AMQ-ENV18-09
Silver [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	0.14	0.10	0.31	0.20	0.38	0.29	0.24	0.10	0.14
Arsenic [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	21	20	49	36	170	100	52	34	41
Aluminum [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	9000	10000	11000	9800	11000	15000	12000	20000	20000
Boron [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	2.4	2.7	2.3	2.8	3.0	2.0	2.2	3.4	3.4
Barium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	45	65	67	43	46	54	40	130	91
Beryllium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	0.13	0.12	0.14	0.21	0.20	0.18	0.12	0.19	0.25
Bismuth [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	0.34	0.19	0.46	0.35	0.82	0.51	0.38	0.20	0.27
Calcium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	3400	3300	5400	11000	7000	4000	4300	2600	5700
Cadmium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	0.07	0.07	0.11	0.09	0.13	0.11	0.07	0.06	0.05
Cobalt [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	8.3	9.4	15	8.0	16	22	16	15	17
Chromium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	25	33	36	29	42	44	28	55	47
Copper [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	61	37	70	11	45	45	37	39	34
Iron [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	18000	20000	24000	18000	28000	39000	32000	44000	48000
Potassium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	5200	6800	7100	5100	5400	6400	5200	13000	8400
Lithium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	5	5	5	6	6	6	6	12	13
Magnesium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	6000	6500	7100	6400	7100	8800	8100	9800	11000
Manganese [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	280	300	360	410	380	480	420	530	500
Molybdenum [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	1.7	2.1	2.2	2.2	2.5	3.2	2.0	2.2	2.1
Sodium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	240	380	430	260	250	360	220	670	470
Nickel [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	18	21	30	17	36	54	37	35	38
Phosphorus [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	350	390	450	540	450	490	540	550	580

OnLine LIMS

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Project : 1789310.9200.9230
LR Report : **CA14342-JUL18**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: AMQ-ENV18-01	6: AMQ-ENV18-02	7: AMQ-ENV18-03	8: AMQ-ENV18-04	9: AMQ-ENV18-05	10: AMQ-ENV18-06	11: AMQ-ENV18-07	12: AMQ-ENV18-08	13: AMQ-ENV18-09
Lead [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	11	9.6	26	16	25	14	14	10	11
Antimony [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	1900	3900	3800	3100	3500	3700	2200	5800	6200
Tin [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	18	25	25	31	25	29	21	26	19
Titanium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	560	700	660	570	560	740	600	1500	1300
Thallium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	0.56	0.67	0.66	0.57	0.61	0.83	0.57	0.91	0.66
Uranium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	3.5	3.3	3.6	4.2	3.0	2.3	2.3	2.7	2.7
Vanadium [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	15	16	15	10	17	24	25	45	44
Zinc [µg/g]	24-Aug-18	19:40	28-Aug-18	15:53	56	60	68	44	62	90	67	78	84

Analysis	14: AMQ-ENV18-10	15: AMQ-ENV18-11	16: AMQ-ENV18-12	17: AMQ-ENV18-13	18: AMQ-ENV18-14	19: AMQ-ENV18-15	20: AMQ-ENV18-16	21: AMQ-ENV18-17	22: AMQ-ENV18-18
Silver [µg/g]	0.24	0.23	0.16	0.16	0.14	0.17	0.15	0.15	0.22
Arsenic [µg/g]	32	46	46	43	62	31	46	30	54
Aluminum [µg/g]	19000	25000	23000	21000	25000	17000	15000	18000	20000
Boron [µg/g]	4.0	3.7	5.0	3.0	3.1	4.1	3.9	3.1	3.5
Barium [µg/g]	120	170	160	110	160	100	81	130	130
Beryllium [µg/g]	0.27	0.27	0.25	0.24	0.26	0.31	0.23	0.22	0.19
Bismuth [µg/g]	0.68	0.52	0.32	0.38	0.26	0.33	0.33	0.30	0.38
Calcium [µg/g]	8500	6500	7400	7800	6500	5600	7300	4500	4400
Cadmium [µg/g]	0.11	0.10	0.07	0.06	0.10	0.07	0.07	0.06	0.08
Cobalt [µg/g]	13	18	15	16	16	8.7	8.8	12	17
Chromium [µg/g]	43	54	53	59	57	34	30	38	53
Copper [µg/g]	16	44	27	30	45	22	32	31	31
Iron [µg/g]	43000	70000	55000	50000	64000	41000	34000	42000	48000
Potassium [µg/g]	11000	14000	15000	9800	14000	10000	8200	13000	12000
Lithium [µg/g]	14	17	15	13	16	12	9	11	11
Magnesium [µg/g]	9800	12000	11000	11000	12000	9400	8100	9400	11000
Manganese [µg/g]	500	760	610	570	700	470	490	530	600
Molybdenum [µg/g]	2.5	2.0	1.9	2.0	1.8	5.4	2.9	3.8	2.1
Sodium [µg/g]	500	480	560	640	400	330	400	430	370
Nickel [µg/g]	30	37	35	37	39	19	18	24	40
Phosphorus [µg/g]	570	610	670	610	710	460	390	530	580

OnLine LIMS

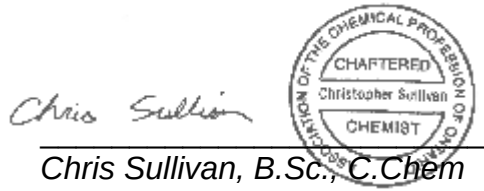
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Project : 1789310.9200.9230
LR Report : **CA14342-JUL18**

Analysis	14: AMQ-ENV18-10	15: AMQ-ENV18-11	16: AMQ-ENV18-12	17: AMQ-ENV18-13	18: AMQ-ENV18-14	19: AMQ-ENV18-15	20: AMQ-ENV18-16	21: AMQ-ENV18-17	22: AMQ-ENV18-18
Lead [µg/g]	24	18	16	14	12	17	16	11	16
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	5800	5000	6800	7200	6900	5300	5700	4700	5800
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	24	25	34	29	34	41	46	33	31
Titanium [µg/g]	1600	1900	1800	1400	1900	1200	910	1500	1500
Thallium [µg/g]	0.83	0.99	0.94	0.73	0.91	0.67	0.61	0.84	0.74
Uranium [µg/g]	2.3	1.9	2.1	2.1	2.0	3.0	3.3	2.9	2.5
Vanadium [µg/g]	42	51	43	54	55	26	18	29	45
Zinc [µg/g]	72	81	77	74	87	70	60	68	79



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Project Specialist
Environmental Services, Analytical

OnLine LIMS

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D.I. Leach @ 4:1 ratio filter=0.45µ, 24hr

Project : 1789310.9200.9230

21-August-2018

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Date Rec. : 13 July 2018
LR Report: **CA14343-JUL18**
Reference: 1789310.9200.9230

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: AMQ-ENV18-01	6: AMQ-ENV18-02	7: AMQ-ENV18-03	8: AMQ-ENV18-04	9: AMQ-ENV18-05
Sample weight [g]	09-Aug-18	10:03	11-Aug-18	12:46	250	250	250	250	250
Volume D.I. Water [mL]	09-Aug-18	10:03	11-Aug-18	12:46	750	750	750	750	750
Final pH	09-Aug-18	10:03	11-Aug-18	12:46	9.36	9.39	9.31	9.35	9.12
pH [no unit]	13-Aug-18	10:47	14-Aug-18	11:54	8.24	8.01	7.70	8.00	8.07
Alkalinity [mg/L as CaCO3]	13-Aug-18	10:47	14-Aug-18	11:54	44	43	41	42	39
Conductivity [uS/cm]	13-Aug-18	10:47	14-Aug-18	11:54	103	104	114	104	118
Fluoride [mg/L]	13-Aug-18	15:27	14-Aug-18	14:25	0.49	0.46	0.45	0.42	0.43
Chloride [mg/L]	14-Aug-18	14:54	17-Aug-18	13:49	2	2	4	3	6
Sulphate [mg/L]	14-Aug-18	14:56	17-Aug-18	13:49	< 2	< 2	3	< 2	5
Bromide [mg/L]	13-Aug-18	09:09	15-Aug-18	14:21	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	13-Aug-18	09:09	15-Aug-18	14:21	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	13-Aug-18	09:09	15-Aug-18	14:21	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	13-Aug-18	09:09	15-Aug-18	14:21	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Phosphorus (total reactive) [mg/L]	10-Aug-18	17:29	14-Aug-18	20:07	0.05	0.09	0.03	< 0.03	0.07
Chromium VI [ug/L]	15-Aug-18	15:06	16-Aug-18	08:53	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Mercury [mg/L]	13-Aug-18	11:02	15-Aug-18	14:08	0.00002	0.00001	< 0.00001	0.00003	< 0.00001

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Test method information available upon request. “Temperature Upon Receipt” is representative of the whole shipment and may not reflect the temperature of individual samples.

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D.I. Leach @ 4:1 ratio filter=0.45µ, 24hr

Project : 1789310.9200.9230

LR Report : **CA14343-JUL18**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: AMQ-ENV18-01	6: AMQ-ENV18-02	7: AMQ-ENV18-03	8: AMQ-ENV18-04	9: AMQ-ENV18-05
Silver [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	1.54	1.49	1.25	1.12	0.990
Arsenic [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.0781	0.133	0.0891	0.0686	0.237
Barium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.00553	0.00542	0.00549	0.00276	0.00365
Boron [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.019	0.017	0.014	0.017	0.020
Beryllium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.000007	< 0.000007	0.000008	< 0.000007	< 0.000007
Bismuth [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.000013	< 0.000007	0.000009	< 0.000007	0.000011
Calcium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	2.26	1.68	2.59	3.16	4.72
Cadmium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	< 0.000003	0.000018	0.000007	0.000008	0.000003
Cobalt [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.000117	0.000082	0.000083	0.000031	0.000047
Chromium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.00030	0.00034	0.00036	0.00010	0.00021
Copper [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.00078	0.00081	0.00039	0.00022	0.00039
Iron [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.206	0.191	0.154	0.074	0.100
Potassium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	24.5	22.5	23.5	21.0	22.7
Lithium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.0009	0.0018	0.0010	0.0012	0.0011
Magnesium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.348	0.263	0.369	0.370	0.528
Manganese [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.00429	0.00385	0.00345	0.00179	0.00194
Molybdenum [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.00162	0.00151	0.00157	0.00311	0.00359
Sodium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	5.56	5.50	5.06	3.53	3.78
Nickel [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.0003	0.0003	0.0002	0.0002	0.0003
Phosphorus [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.029	0.044	0.014	0.006	0.011
Lead [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.00033	0.00021	0.00030	0.00013	0.00039
Antimony [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.0065	0.0071	0.0069	0.0059	0.0094
Selenium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.00008	0.00016	0.00031	0.00016	0.00032
Silicon [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	3.31	3.68	3.12	3.16	2.69
Tin [mg/L]	14-Aug-18	12:31	15-Aug-18	16:37	0.00008	0.00004	0.00005	0.00003	0.00006
Strontium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:39	0.00805	0.00679	0.00965	0.0139	0.0194
Titanium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:39	0.00984	0.0103	0.00801	0.00373	0.00438
Thallium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:39	0.000025	0.000027	0.000018	0.000025	0.000013

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D.I. Leach @ 4:1 ratio filter=0.45µ, 24hr

Project : 1789310.9200.9230

LR Report : **CA14343-JUL18**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: AMQ-ENV18-01	6: AMQ-ENV18-02	7: AMQ-ENV18-03	8: AMQ-ENV18-04	9: AMQ-ENV18-05
Uranium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:39	0.00922	0.00851	0.00819	0.00577	0.00344
Vanadium [mg/L]	14-Aug-18	12:31	15-Aug-18	16:39	0.0159	0.0172	0.0131	0.00882	0.00921
Zinc [mg/L]	14-Aug-18	12:31	15-Aug-18	16:39	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: AMQ-ENV18-06	11: AMQ-ENV18-07	12: AMQ-ENV18-08	13: AMQ-ENV18-09	14: AMQ-ENV18-10	15: AMQ-ENV18-11	16: AMQ-ENV18-12	17: AMQ-ENV18-13	18: AMQ-ENV18-14
Sample weight [g]	250	250	250	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750
Final pH	9.34	9.35	9.05	9.30	9.32	9.17	9.44	9.29	9.34
pH [no unit]	7.56	8.11	7.99	8.28	8.40	8.08	8.58	8.72	8.42
Alkalinity [mg/L as CaCO3]	39	43	38	45	42	42	44	48	44
Conductivity [uS/cm]	106	109	136	115	112	129	114	128	116
Fluoride [mg/L]	0.70	0.74	0.84	0.57	0.49	0.72	0.71	0.65	0.80
Chloride [mg/L]	3	3	9	4	4	9	4	4	5
Sulphate [mg/L]	< 2	< 2	10	< 2	< 2	4	< 2	3	< 2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Phosphorus (total reactive) [mg/L]	0.11	0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Chromium VI [ug/L]	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Mercury [mg/L]	0.00003	< 0.00001	0.00002	0.00002	0.00002	0.00003	< 0.00001	0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	1.43	1.25	1.06	1.49	1.50	1.26	1.49	1.21	1.34
Arsenic [mg/L]	0.198	0.0781	0.0375	0.0897	0.0927	0.0152	0.0465	0.0655	0.0302
Barium [mg/L]	0.00413	0.00366	0.00491	0.00494	0.00419	0.00396	0.00394	0.00325	0.00333
Boron [mg/L]	0.019	0.030	0.027	0.025	0.022	0.027	0.027	0.024	0.026
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000008	0.000011	< 0.000007	< 0.000007	< 0.000007	< 0.000007

OnLine LIMS

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D.I. Leach @ 4:1 ratio filter=0.45µ, 24hr

Project : 1789310.9200.9230

LR Report : **CA14343-JUL18**

Analysis	10: AMQ-ENV18-06	11: AMQ-ENV18-07	12: AMQ-ENV18-08	13: AMQ-ENV18-09	14: AMQ-ENV18-10	15: AMQ-ENV18-11	16: AMQ-ENV18-12	17: AMQ-ENV18-13	18: AMQ-ENV18-14
Bismuth [mg/L]	0.000014	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	2.23	2.38	3.34	2.83	2.83	4.42	2.34	3.54	3.08
Cadmium [mg/L]	< 0.000003	0.000004	0.000007	0.000004	< 0.000003	0.000003	< 0.000003	0.000024	< 0.000003
Cobalt [mg/L]	0.000086	0.000061	0.000080	0.000066	0.000039	0.000031	0.000042	0.000040	0.000045
Chromium [mg/L]	0.00049	0.00035	0.00038	0.00035	0.00021	0.00016	0.00026	0.00022	0.00020
Copper [mg/L]	0.00035	0.00042	0.00043	0.00034	0.00037	0.00052	0.00029	0.00024	0.00068
Iron [mg/L]	0.244	0.166	0.269	0.225	0.165	0.153	0.225	0.136	0.206
Potassium [mg/L]	22.8	21.0	26.7	23.8	24.1	25.9	26.9	22.0	23.6
Lithium [mg/L]	0.0003	0.0004	0.0024	0.0007	0.0014	0.0013	0.0013	0.0013	0.0007
Magnesium [mg/L]	0.353	0.356	0.583	0.391	0.334	0.522	0.305	0.437	0.405
Manganese [mg/L]	0.00448	0.00288	0.00419	0.00252	0.00206	0.00220	0.00289	0.00187	0.00266
Molybdenum [mg/L]	0.00216	0.00194	0.00271	0.00295	0.00295	0.00182	0.00131	0.00190	0.00122
Sodium [mg/L]	4.96	5.52	5.83	5.98	5.56	4.58	4.62	5.69	4.15
Nickel [mg/L]	0.0002	0.0002	0.0003	0.0003	0.0002	0.0001	0.0002	0.0002	0.0002
Phosphorus [mg/L]	0.033	0.020	0.024	0.021	0.011	0.003	0.017	0.016	0.011
Lead [mg/L]	0.00020	0.00015	0.00019	0.00013	0.00014	0.00010	0.00010	0.00009	0.00028
Antimony [mg/L]	0.0098	0.0081	0.0080	0.0095	0.0074	0.0067	0.0078	0.0082	0.0071
Selenium [mg/L]	0.00012	0.00009	0.00022	0.00013	0.00016	0.00013	0.00013	0.00021	0.00010
Silicon [mg/L]	2.91	2.57	2.28	2.33	2.38	1.57	2.37	2.14	1.78
Tin [mg/L]	0.00006	0.00006	0.00007	0.00005	0.00005	0.00011	0.00004	0.00002	0.00002
Strontium [mg/L]	0.0112	0.0205	0.0168	0.0129	0.0132	0.0284	0.0157	0.0229	0.0265
Titanium [mg/L]	0.00985	0.00752	0.0129	0.0122	0.00947	0.00630	0.0103	0.00555	0.00864
Thallium [mg/L]	0.000028	0.000018	0.000017	0.000013	0.000012	0.000006	0.000007	0.000012	0.000016
Uranium [mg/L]	0.00328	0.00279	0.00305	0.00186	0.00234	0.000739	0.00209	0.00134	0.000797
Vanadium [mg/L]	0.0182	0.0164	0.0110	0.0111	0.0116	0.00373	0.0122	0.0119	0.00702
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002

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D.I. Leach @ 4:1 ratio filter=0.45µ, 24hr

Project : 1789310.9200.9230

LR Report : **CA14343-JUL18**

Analysis	19: AMQ-ENV18-15	20: AMQ-ENV18-16	21: AMQ-ENV18-17	22: AMQ-ENV18-18	23: AMQ-ENV18-18	24:BLK: $D.I. Leachate Blank
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH	9.34	9.51	9.69	9.56	9.57	5.68
pH [no unit]	7.91	8.67	9.25	8.01	7.48	5.00
Alkalinity [mg/L as CaCO3]	43	41	43	42	41	< 2
Conductivity [uS/cm]	105	102	105	118	119	4
Fluoride [mg/L]	1.17	0.84	0.70	0.71	0.74	< 0.06
Chloride [mg/L]	2	2	2	5	5	< 1
Sulphate [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 0.3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.03
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.06
Nitrate + Nitrite (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.06
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	0.04	0.04	< 0.03	< 0.03
Chromium VI [ug/L]	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Mercury [mg/L]	0.00001	0.00002	< 0.00001	< 0.00001	0.00001	0.00002
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	1.27	1.39	1.83	1.83	1.88	< 0.001
Arsenic [mg/L]	0.0326	0.0566	0.0470	0.0642	0.0624	< 0.0002
Barium [mg/L]	0.00382	0.00475	0.00662	0.00700	0.00779	0.00008
Boron [mg/L]	0.032	0.026	0.026	0.033	0.034	0.003
Beryllium [mg/L]	0.000007	0.000007	0.000009	0.000008	0.000009	< 0.000007
Bismuth [mg/L]	0.000007	< 0.000007	0.000008	0.000011	0.000018	< 0.000007
Calcium [mg/L]	2.37	2.78	1.71	1.90	1.88	0.03
Cadmium [mg/L]	0.000005	0.000011	0.000014	< 0.000003	< 0.000003	0.000012
Cobalt [mg/L]	0.000058	0.000085	0.000112	0.000118	0.000113	0.000025
Chromium [mg/L]	0.00022	0.00025	0.00040	0.00067	0.00075	< 0.00003
Copper [mg/L]	0.00066	0.00059	0.00071	0.00052	0.00074	0.00043
Iron [mg/L]	0.195	0.229	0.475	0.483	0.449	< 0.007

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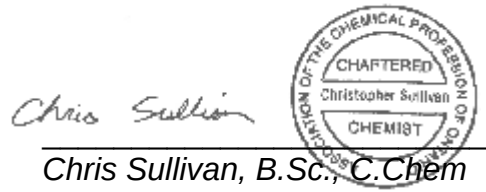
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D.I. Leach @ 4:1 ratio filter=0.45µ, 24hr

Project : 1789310.9200.9230

LR Report : **CA14343-JUL18**

Analysis	19: AMQ-ENV18-15	20: AMQ-ENV18-16	21: AMQ-ENV18-17	22: AMQ-ENV18-18	23: AMQ-ENV18-18	24:BLK: $D.I. Leachate Blank
Potassium [mg/L]	24.6	21.8	23.2	24.8	25.3	0.037
Lithium [mg/L]	0.0010	0.0009	0.0017	0.0009	0.0007	0.0001
Magnesium [mg/L]	0.326	0.348	0.280	0.322	0.307	0.006
Manganese [mg/L]	0.00274	0.00389	0.00705	0.00677	0.00636	0.00050
Molybdenum [mg/L]	0.00477	0.00205	0.00244	0.00154	0.00155	0.00004
Sodium [mg/L]	3.49	4.97	4.84	5.80	5.77	0.13
Nickel [mg/L]	0.0002	0.0003	0.0004	0.0004	0.0004	< 0.0001
Phosphorus [mg/L]	0.015	0.010	0.031	0.017	0.024	0.006
Lead [mg/L]	0.00020	0.00023	0.00022	0.00065	0.00028	0.00003
Antimony [mg/L]	0.0055	0.0067	0.0070	0.0086	0.0085	0.0004
Selenium [mg/L]	0.00007	0.00011	0.00012	0.00011	0.00011	< 0.00004
Silicon [mg/L]	2.60	3.19	3.38	2.83	2.94	< 0.02
Tin [mg/L]	0.00006	0.00008	0.00007	0.00009	0.00008	0.00002
Strontium [mg/L]	0.0362	0.0356	0.0158	0.0177	0.0178	0.00014
Titanium [mg/L]	0.00819	0.00983	0.0215	0.0211	0.0216	< 0.00005
Thallium [mg/L]	0.000016	0.000018	0.000018	0.000017	0.000016	< 0.000005
Uranium [mg/L]	0.00336	0.00402	0.00370	0.00250	0.00245	0.000006
Vanadium [mg/L]	0.01064	0.01083	0.01600	0.01926	0.01942	< 0.00001
Zinc [mg/L]	0.002	< 0.002	0.003	0.004	0.002	< 0.002



Chris Sullivan, B.Sc., C.Chem
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001481551

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08-February-2018

Golder
Attn : Rachel James

141 Adelaide Street West, Suite 910
Toronto, ON
M5H 3L5,

Phone: 1 416 366 6999
Fax:

Date Rec. : 19 January 2018
LR Report: **CA14389-JAN18**
Reference: Project 1789310 / 9200 / 9230

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample weight g	Vol H2O2 mL	Final pH	NaOH Normality	Vol NaOH to PH 4.5 mL	Vol NaOH to PH 7.0 mL	NAG (pH 4.5) kg H2SO4/tonne	NAG (pH 7.0) kg H2SO4/tonne
3: Analysis Completed Date	07-Feb-18	07-Feb-18	07-Feb-18	07-Feb-18	07-Feb-18	07-Feb-18	07-Feb-18	07-Feb-18
4: Analysis Completed Time	14:07	14:07	14:07	14:07	14:07	14:07	14:07	14:07
5: AMQ-ENV17-25	1.47	150	10.81	0.10	0.00	0.00	0.0	0.0
6: AMQ-ENV15-065	1.54	150	8.27	0.10	0.00	0.00	0.0	0.0
7: AMQ-ENV15-054	1.48	150	2.13	0.10	21.00	36.34	70	120
8: AMQ-ENV15-063	1.54	150	7.10	0.10	0.00	0.00	0.0	0.0
9: AMQ-ENV16-43	1.44	150	7.97	0.10	0.00	0.00	0.0	0.0
10: AMQ-ENV16-47	1.53	150	9.68	0.10	0.00	0.00	0.0	0.0
11: AMQ-ENV15-120	1.46	150	4.20	0.10	0.00	1.58	0.0	5.3

NAG = (49 x Vol. of base x N of base)/sample weight
kg H2SO4/tonne

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001278747

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12-February-2018

Golder
Attn : Rachel James

141 Adelaide Street West, Suite 910
Toronto, ON
M5H 3L5,

Phone: 1 416 366 6999
Fax:

Date Rec. : 19 January 2018
LR Report: **CA14390-JAN18**
Reference: Project 1789310 / 9200 / 9230

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample weight g	Vol H2O2 mL	SO4 mg/L
3: Analysis Completed Date	07-Feb-18	07-Feb-18	12-Feb-18
4: Analysis Completed Time	13:37	13:37	15:10
5: AMQ-ENV17-25	2.5	250	18
6: AMQ-ENV15-065	2.5	250	89
7: AMQ-ENV15-054	2.5	250	1100
8: AMQ-ENV15-063	2.5	250	86
9: AMQ-ENV16-43	2.6	250	78
10: AMQ-ENV16-47	2.5	250	81
11: AMQ-ENV15-120	2.5	250	200

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001282669

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08-November-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 25 September 2017
LR Report: **CA14655-SEP17**
Reference: Amaruq Project Golder #1665859 Quarry 61

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	5: AMQ17-1398-01 (CAEXG122489)	6: AMQ17-1398-02 (CAEXG122490)	7: AMQ17-1398-03 (CAEXG122491)	8: AMQ17-1401-01 (CAEXG122496)	9: AMQ17-1401-02 (CAEXG122477)	10: AMQ17-1403-01 (CAEXG122478)	11: AMQ17-1403-02 (CAEXG122479)	12: AMQ17-1403-03 (CAEXG122480)	13: AMQ17-1405-01 (CAEXG122481)	14: AMQ17-1405-02 (CAEXG122482)
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paste pH	9.24	9.27	9.10	8.84	9.77	9.72	9.53	9.71	9.38	9.23
Fizz Rate [---]	2	1	1	1	1	1	1	1	1	1
Sample weight [g]	1.99	2.03	1.98	2.02	2.00	1.99	2.03	2.03	1.98	2.01
HCl Added [mL]	27.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	5.58	6.61	7.35	8.08	10.00	8.86	8.43	8.45	10.30	10.12
Final pH	2.21	2.12	2.19	1.86	1.93	1.90	1.77	2.07	1.78	1.94
NP [t CaCO3/1000 t]	46	24	22	19	12	16	17	17	10	11
AP [t CaCO3/1000 t]	8.12	2.81	0.62	2.50	0.62	0.94	0.62	1.88	0.62	0.62
Net NP [t CaCO3/1000 t]	37.9	21.2	21.4	16.5	11.4	15.1	16.4	15.1	9.38	10.4
NP/AP [ratio]	5.66	8.53	35.5	7.60	19.4	17.1	27.4	9.07	16.1	17.7
Sulphur (total) [%]	0.258	0.086	0.016	0.095	0.014	0.055	0.035	0.097	0.007	0.022
Acid Leachable SO4-S [%]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	0.04	0.04	< 0.02	0.02
Sulphide [%]	0.26	0.09	< 0.02	0.08	< 0.02	0.03	< 0.02	0.06	< 0.02	< 0.02
Carbon (total) [%]	0.454	0.123	0.015	0.066	0.033	0.027	0.020	0.018	0.013	0.010
Carbonate [%]	2.01	0.465	0.035	< 0.025	0.030	0.045	0.045	0.055	< 0.025	< 0.025
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

OnLine LIMS

0001194342

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Lakefield - Ontario - KOL 2HO
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ABA - Modified Sobek with Siderite correction

LR Report : **CA14655-SEP17**

Analysis	15: AMQ17-1408-01 (CAEXG122486)	16: AMQ17-1408-02 (CAEXG122487)	17: AMQ17-1408-03 (CAEXG122488)	18: AMQ17-1410-01 (CAEXG122483)	19: AMQ17-1410-02 (CAEXG122484)	20: AMQ17-1410-03 (CAEXG122485)
Sample Date & Time	NA	NA	NA	NA	NA	NA
Paste pH	9.64	9.88	9.94	9.65	9.54	9.57
Fizz Rate [---]	1	1	1	1	1	1
Sample weight [g]	1.98	2.00	2.04	2.04	1.99	1.99
HCl Added [mL]	20.00	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	8.68	10.01	7.83	7.94	8.08	7.86
Final pH	1.93	1.90	1.92	1.88	1.97	2.02
NP [t CaCO3/1000 t]	17	11	19	19	19	20
AP [t CaCO3/1000 t]	2.19	2.19	1.88	1.88	2.19	2.50
Net NP [t CaCO3/1000 t]	14.8	8.81	17.1	17.1	16.8	17.5
NP/AP [ratio]	7.77	5.03	10.1	10.1	8.69	8.00
Sulphur (total) [%]	0.078	0.104	0.104	0.096	0.090	0.096
Acid Leachable SO4-S [%]	< 0.02	0.03	0.04	0.04	0.02	< 0.02
Sulphide [%]	0.07	0.07	0.06	0.06	0.07	0.08
Carbon (total) [%]	0.034	0.064	0.080	0.040	0.034	0.053
Carbonate [%]	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

000119342

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Agnico Eagle Mines Limited
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10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

08-November-2017

Date Rec. : 25 September 2017
LR Report: **CA14656-SEP17**
Reference: Amaruq Project Golder #1665859 Quarry 61

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1398-01 (CAEXG122489)	6: AMQ17-1398-02 (CAEXG122490)	7: AMQ17-1398-03 (CAEXG122491)	8: AMQ17-1401-01 (CAEXG122496)	9: AMQ17-1401-02 (CAEXG122477)	10: AMQ17-1403-01 (CAEXG122478)	11: AMQ17-1403-02 (CAEXG122479)
Sample Date & Time			NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	24-Oct-17	17:48	200	200	200	200	200	200	200
Volume D.I. Water [mL]	24-Oct-17	17:48	800	800	800	800	800	800	800
Final pH	24-Oct-17	17:48	9.25	9.43	9.56	8.46	9.57	9.44	9.64
pH [no unit]	26-Oct-17	15:03	8.11	7.96	7.77	7.20	7.87	7.59	7.61
Alkalinity [mg/L as CaCO3]	26-Oct-17	15:03	30	26	22	9	23	22	27
Conductivity [uS/cm]	26-Oct-17	15:03	78	56	51	64	67	52	59
Fluoride [mg/L]	26-Oct-17	08:51	0.17	0.15	0.13	0.58	0.15	0.29	0.25
Chloride [mg/L]	27-Oct-17	14:52	5	2	2	11	3	2	2
Sulphate [mg/L]	27-Oct-17	14:52	2	< 2	< 2	< 2	< 2	< 2	< 2
Bromide [mg/L]	26-Oct-17	12:24	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	26-Oct-17	12:24	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	26-Oct-17	12:24	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	26-Oct-17	14:21	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Phosphorus (total reactive) [mg/L]	27-Oct-17	10:09	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	0.03
Mercury [mg/L]	26-Oct-17	11:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	27-Oct-17	13:34	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	27-Oct-17	13:34	0.894	0.757	0.978	0.485	0.665	0.708	0.653
Arsenic [mg/L]	27-Oct-17	13:34	0.0011	0.0012	0.0006	0.0010	0.0037	0.0023	0.0023

OnLine LIMS

0001194338

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SFE -24hr 4:1 L/S ratio

LR Report : **CA14656-SEP17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1398-01 (CAEXG122489)	6: AMQ17-1398-02 (CAEXG122490)	7: AMQ17-1398-03 (CAEXG122491)	8: AMQ17-1401-01 (CAEXG122496)	9: AMQ17-1401-02 (CAEXG122477)	10: AMQ17-1403-01 (CAEXG122478)	11: AMQ17-1403-02 (CAEXG122479)
Barium [mg/L]	27-Oct-17	13:34	0.00197	0.00192	0.00333	0.00726	0.00665	0.0106	0.00941
Boron [mg/L]	27-Oct-17	13:34	0.017	0.016	0.012	0.012	0.012	0.017	0.020
Beryllium [mg/L]	27-Oct-17	13:34	< 0.000007	< 0.000007	0.000010	0.000021	0.000011	0.000015	0.000009
Bismuth [mg/L]	27-Oct-17	13:34	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000018	< 0.000007	< 0.000007
Calcium [mg/L]	27-Oct-17	13:34	5.46	4.33	3.23	1.18	2.23	1.67	2.55
Cadmium [mg/L]	27-Oct-17	13:34	< 0.000003	< 0.000003	< 0.000003	0.000007	0.000005	< 0.000003	< 0.000003
Cobalt [mg/L]	27-Oct-17	13:34	0.000016	0.000043	0.000129	0.000088	0.000069	0.000071	0.000055
Chromium [mg/L]	27-Oct-17	13:34	< 0.00003	0.00003	0.00003	0.00009	0.00006	0.00007	0.00018
Copper [mg/L]	27-Oct-17	13:34	0.00034	0.00050	0.00043	0.00040	0.00036	0.00070	0.00039
Iron [mg/L]	27-Oct-17	13:34	< 0.007	0.055	0.289	0.173	0.075	0.138	0.091
Potassium [mg/L]	27-Oct-17	13:34	3.00	2.21	1.49	4.04	5.59	5.26	5.35
Lithium [mg/L]	27-Oct-17	13:34	0.0003	0.0001	0.0002	0.0022	0.0009	0.0006	0.0003
Magnesium [mg/L]	27-Oct-17	13:34	0.438	0.501	0.423	0.837	0.350	0.415	0.448
Manganese [mg/L]	27-Oct-17	13:34	0.00067	0.00144	0.00463	0.0122	0.00259	0.00448	0.00188
Molybdenum [mg/L]	27-Oct-17	13:34	0.00099	0.00103	0.00091	0.00166	0.00109	0.00123	0.00084
Sodium [mg/L]	27-Oct-17	13:34	4.61	3.06	3.94	4.61	3.10	3.35	3.34
Nickel [mg/L]	27-Oct-17	13:34	< 0.0001	0.0002	0.0001	0.0003	0.0002	0.0001	0.0001
Phosphorus [mg/L]	27-Oct-17	13:34	0.011	0.022	0.034	0.028	0.044	0.041	0.046
Lead [mg/L]	27-Oct-17	13:34	0.00012	0.00015	0.00016	0.00028	0.00022	0.00018	0.00013
Antimony [mg/L]	27-Oct-17	13:34	0.0007	0.0005	0.0006	0.0007	0.0006	0.0006	0.0005
Selenium [mg/L]	27-Oct-17	13:34	< 0.00004	< 0.00004	< 0.00004	< 0.00004	0.00004	< 0.00004	< 0.00004
Silicon [mg/L]	27-Oct-17	13:34	1.72	2.50	3.15	3.20	5.99	4.53	3.81
Tin [mg/L]	27-Oct-17	13:34	0.00020	0.00013	0.00018	0.00027	0.00013	0.00012	0.00018
Strontium [mg/L]	27-Oct-17	13:34	0.0198	0.0106	0.0110	0.0113	0.00829	0.00707	0.0109
Titanium [mg/L]	27-Oct-17	13:34	0.00062	0.00308	0.0149	0.0148	0.00578	0.0109	0.00608
Thallium [mg/L]	27-Oct-17	13:34	< 0.000005	0.000007	0.000007	0.000007	0.000006	0.000009	0.000010
Uranium [mg/L]	27-Oct-17	13:34	0.000042	0.000108	0.000138	0.000087	0.000960	0.000544	0.000233
Vanadium [mg/L]	27-Oct-17	13:34	0.00204	0.00320	0.00734	0.00176	0.00439	0.00552	0.0115
Zinc [mg/L]	27-Oct-17	13:34	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	12: AMQ17-1403-03 (CAEXG122480)	13: AMQ17-1405-01 (CAEXG122481)	14: AMQ17-1405-02 (CAEXG122482)	15: AMQ17-1408-01 (CAEXG122486)	16: AMQ17-1408-02 (CAEXG122487)	17: AMQ17-1408-03 (CAEXG122488)	18: AMQ17-1410-01 (CAEXG122483)	19: AMQ17-1410-02 (CAEXG122484)	20: AMQ17-1410-03 (CAEXG122485)
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	200	200	200	200	200	200	200	200	200

OnLine LIMS

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0001194338

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Phone: 705-652-2000 FAX: 705-652-6365

SFE -24hr 4:1 L/S ratio

LR Report : **CA14656-SEP17**

Analysis	12: AMQ17-1403-03 (CAEXG122480)	13: AMQ17-1405-01 (CAEXG122481)	14: AMQ17-1405-02 (CAEXG122482)	15: AMQ17-1408-01 (CAEXG122486)	16: AMQ17-1408-02 (CAEXG122487)	17: AMQ17-1408-03 (CAEXG122488)	18: AMQ17-1410-01 (CAEXG122483)	19: AMQ17-1410-02 (CAEXG122484)	20: AMQ17-1410-03 (CAEXG122485)
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800	800
Final pH	9.65	9.10	8.43	9.30	9.09	9.30	9.25	9.32	9.15
pH [no unit]	7.94	6.91	7.02	7.68	7.65	7.77	7.62	7.49	7.59
Alkalinity [mg/L as CaCO3]	26	28	5	11	8	15	10	9	10
Conductivity [uS/cm]	61	19	43	35	27	43	34	28	38
Fluoride [mg/L]	0.33	0.13	0.15	0.45	0.12	0.37	0.81	0.37	0.56
Chloride [mg/L]	2	2	3	2	2	2	2	2	3
Sulphate [mg/L]	< 2	< 2	6	< 2	< 2	< 2	< 2	< 2	< 2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Phosphorus (total reactive) [mg/L]	0.06	0.04	< 0.03	0.25	0.06	0.34	0.14	0.14	0.15
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	0.719	0.656	0.474	1.44	1.08	2.07	1.10	1.43	1.13
Arsenic [mg/L]	0.0031	0.0044	0.0102	0.0017	0.0044	0.0021	0.0012	0.0009	0.0009
Barium [mg/L]	0.00935	0.00380	0.00790	0.0119	0.00499	0.0135	0.00843	0.00755	0.00782
Boron [mg/L]	0.019	0.015	0.016	0.011	0.009	0.012	0.012	0.011	0.013
Beryllium [mg/L]	0.000016	0.000016	0.000018	0.000020	0.000015	0.000024	0.000017	0.000018	0.000018
Bismuth [mg/L]	< 0.000007	< 0.000007	0.000027	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	2.27	0.05	0.14	0.08	0.04	0.10	0.12	0.11	0.15
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Cobalt [mg/L]	0.000061	0.000064	0.000203	0.000115	0.000039	0.000167	0.000069	0.000064	0.000069
Chromium [mg/L]	0.00008	0.00013	0.00010	0.00014	0.00004	0.00025	0.00011	0.00010	0.00011
Copper [mg/L]	0.00029	0.00064	0.00100	0.00043	0.00064	0.00035	0.00043	0.00053	0.00047
Iron [mg/L]	0.133	0.104	0.080	0.276	0.094	0.402	0.173	0.154	0.156
Potassium [mg/L]	5.93	3.46	6.24	3.99	3.39	5.61	3.37	2.04	3.76
Lithium [mg/L]	0.0003	0.0019	0.0031	0.0008	0.0006	0.0011	0.0004	0.0003	0.0003
Magnesium [mg/L]	0.484	0.078	0.179	0.139	0.044	0.185	0.150	0.113	0.171
Manganese [mg/L]	0.00291	0.00535	0.00226	0.00780	0.00440	0.0104	0.00427	0.00346	0.00298
Molybdenum [mg/L]	0.00150	0.00384	0.01319	0.00165	0.00223	0.00154	0.00082	0.00075	0.00245
Sodium [mg/L]	3.99	1.53	2.07	3.21	2.63	3.72	3.77	3.57	4.01
Nickel [mg/L]	0.0002	0.0001	0.0002	0.0002	0.0002	0.0003	0.0001	0.0002	0.0002
Phosphorus [mg/L]	0.053	0.046	0.031	0.184	0.051	0.262	0.119	0.137	0.135
Lead [mg/L]	0.00016	0.00031	0.00033	0.00028	0.00030	0.00021	0.00017	0.00023	0.00025

OnLine LIMS

0001194338

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SFE -24hr 4:1 L/S ratio

LR Report : **CA14656-SEP17**

Analysis	12: AMQ17-1403-03 (CAEXG122480)	13: AMQ17-1405-01 (CAEXG122481)	14: AMQ17-1405-02 (CAEXG122482)	15: AMQ17-1408-01 (CAEXG122486)	16: AMQ17-1408-02 (CAEXG122487)	17: AMQ17-1408-03 (CAEXG122488)	18: AMQ17-1410-01 (CAEXG122483)	19: AMQ17-1410-02 (CAEXG122484)	20: AMQ17-1410-03 (CAEXG122485)
Antimony [mg/L]	0.0006	0.0006	0.0008	0.0007	0.0005	0.0008	0.0005	0.0005	0.0005
Selenium [mg/L]	< 0.00004	< 0.00004	0.00009	< 0.00004	0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Silicon [mg/L]	3.76	4.68	4.36	4.25	4.51	4.51	3.58	4.32	3.80
Tin [mg/L]	0.00014	0.00025	0.00017	0.00017	0.00012	0.00014	0.00015	0.00017	0.00014
Strontium [mg/L]	0.00945	0.00064	0.00149	0.00112	0.00054	0.00132	0.00146	0.00151	0.00178
Titanium [mg/L]	0.0116	0.00290	0.00178	0.0230	0.00269	0.0277	0.0230	0.0264	0.0202
Thallium [mg/L]	0.000007	0.000008	0.000013	0.000007	< 0.000005	0.000013	< 0.000005	0.000005	0.000005
Uranium [mg/L]	0.000341	0.000370	0.000718	0.000068	0.00156	0.000161	0.000086	0.000106	0.000048
Vanadium [mg/L]	0.0126	0.00507	0.00264	0.0144	0.00258	0.0146	0.0142	0.0153	0.0119
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001194338

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Project : PO#OL-495589

06-July-2017

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Phone: (819) 759-3700
Fax:(819) 759-3663

Date Rec. : 22 June 2017
LR Report: **CA14664-JUN17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	Weight g
5: AMQ17-1386	13-Jun-17	68.8	14.1	4.33	1.15	1.23	3.48	4.18	0.49	0.14	0.05	0.01	< 0.01	1.46	99.4	5782
6: AMQ17-1389	13-Jun-17	70.5	12.8	4.11	0.50	1.59	3.30	4.69	0.49	0.10	0.04	0.02	< 0.01	1.48	99.6	6146
7: AMQ17-1395	13-Jun-17	69.1	14.1	3.63	0.87	0.91	2.59	6.01	0.43	0.11	0.04	0.02	< 0.01	1.67	99.5	7227
8: AMQ17-1396	13-Jun-17	70.9	14.0	3.60	0.65	0.50	3.10	4.95	0.42	0.11	0.03	0.02	< 0.01	1.79	100.1	5628
9: AMQ17-1393 Quarry 2-1	13-Jun-17	72.6	12.6	3.41	1.13	1.24	2.82	3.95	0.36	0.10	0.04	0.02	< 0.01	1.93	100.2	4089
10: AMQ17-1393 Quarry 2-2	13-Jun-17	71.7	12.3	3.37	1.28	1.44	2.72	3.94	0.39	0.13	0.05	0.02	< 0.01	2.00	99.3	2404
11: AMQ17-1393 Quarry 2-3	13-Jun-17	69.3	13.6	4.18	1.08	1.90	3.29	3.74	0.52	0.16	0.06	0.02	< 0.01	1.78	99.6	3210
12: AMQ17-1393 Quarry 2-4	13-Jun-17	68.7	11.9	4.15	4.28	1.50	2.76	2.98	0.41	0.13	0.06	0.04	< 0.01	2.85	99.8	2150
13: AMQ17-AP5-1350-1	14-Jun-17	49.2	6.03	9.77	23.0	4.25	0.22	1.62	0.34	0.18	0.14	0.31	0.01	4.80	99.9	7870
14: AMQ17-AP5-1350-2	14-Jun-17	47.4	5.60	9.86	22.5	5.79	0.19	1.20	0.32	0.18	0.16	0.30	0.02	6.24	99.8	8578
15: AMQ17-AP5-1352-1	14-Jun-17	46.5	7.80	10.2	23.0	5.04	0.23	1.01	0.41	0.21	0.16	0.29	0.02	5.10	100.0	7818
16: AMQ17-AP5-1352-2	14-Jun-17	48.9	6.59	9.55	22.5	4.91	0.23	1.61	0.35	0.18	0.15	0.30	0.01	4.47	99.7	8804

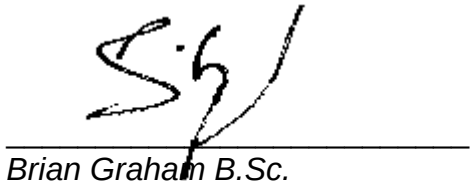
OnLine LIMS

00010547S4

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Project : PO#OL-495589
LR Report : **CA14664-JUN17**



Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001054754

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12-July-2017

Agnico Eagle Mines Limited
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10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 22 June 2017
LR Report: **CA14665-JUN17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: AMQ17-1386	6: AMQ17-1389	7: AMQ17-1395	8: AMQ17-1396	9: AMQ17-1393 Quarry 2-1	10: AMQ17-1393 Quarry 2-2	11: AMQ17-1393 Quarry 2-3	12: AMQ17-1393 Quarry 2-4	13: AMQ17-AP5-1350 -1	14: AMQ17-AP5-1350 -2	15: AMQ17-AP5-1352 -1
Sample Date & Time	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17
Paste pH	9.92	9.84	9.07	8.24	8.96	8.53	8.84	9.40	9.64	9.64	9.66
Fizz Rate [---]	1	2	1	1	1	1	1	2	2	2	2
Sample weight [g]	2.02	2.00	2.02	2.01	2.02	1.98	2.01	2.00	2.00	2.00	2.01
HCl Added [mL]	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	29.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	7.68	6.43	9.22	9.52	8.98	8.67	8.33	7.02	4.41	3.24	5.97
Final pH	2.15	2.15	1.94	1.82	2.05	1.87	2.02	2.15	2.38	2.43	2.22
NP [t CaCO3/1000 t]	18	24	12	11	13	15	16	21	32	59	25
AP [t CaCO3/1000 t]	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Net NP [t CaCO3/1000 t]	17.4	23.4	11.4	10.4	12.4	14.4	15.4	20.4	31.4	58.4	24.4
NP/AP [ratio]	29.0	38.7	19.4	17.7	21.0	24.2	25.8	33.6	51.6	95.2	40.3
Sulphur (total) [%]	0.038	0.044	0.016	0.014	0.009	0.012	0.010	0.042	0.012	0.059	0.024
Acid Leachable SO4-S [%]	0.04	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	0.06	0.02
Sulphide [%]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02
Carbon (total) [%]	0.070	0.183	0.010	0.016	0.075	0.065	0.053	0.110	0.087	0.562	0.011
Carbonate [%]	0.225	0.734	< 0.025	< 0.025	< 0.025	0.075	0.030	0.350	0.420	2.69	< 0.025
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

OnLine LIMS

00010161716

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ABA - Modified Sobek with Siderite correction

LR Report : **CA14665-JUN17**

Analysis	16: AMQ17-AP5-1352-2
Sample Date & Time	14-Jun-17
Paste pH	9.67
Fizz Rate [---]	2
Sample weight [g]	2.08
HCl Added [mL]	20.00
HCl [Normality]	0.10
NaOH [Normality]	0.10
NaOH to pH=8.3 [mL]	5.56
Final pH	2.19
NP [t CaCO3/1000 t]	26
AP [t CaCO3/1000 t]	0.62
Net NP [t CaCO3/1000 t]	25.4
NP/AP [ratio]	41.9
Sulphur (total) [%]	0.050
Acid Leachable SO4-S [%]	0.05
Sulphide [%]	< 0.02
Carbon (total) [%]	0.010
Carbonate [%]	0.030
C(g) [%]	< 0.05

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

00001061716

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10-July-2017

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, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 22 June 2017
LR Report: **CA14666-JUN17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1386	6: AMQ17-1389	7: AMQ17-1395	8: AMQ17-1396	9: AMQ17-1393 Quarry 2-1	10: AMQ17-1393 Quarry 2-2	11: AMQ17-1393 Quarry 2-3	12: AMQ17-1393 Quarry 2-4	13: AMQ17-AP5-1350 -1
Sample Date & Time			13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	14-Jun-17
Sample weight [g]	04-Jul-17	11:13	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	04-Jul-17	11:13	800	800	800	800	800	800	800	800	800
Final pH	04-Jul-17	11:13	9.56	9.67	9.00	8.05	7.79	8.68	8.82	8.93	9.99
pH [no unit]	04-Jul-17	10:01	8.54	9.17	7.63	7.30	7.33	7.98	7.80	7.85	9.49
Alkalinity [mg/L as CaCO3]	04-Jul-17	10:01	33	33	25	8	11	44	34	34	48
Conductivity [uS/cm]	04-Jul-17	10:02	90	81	52	46	73	109	111	117	115
Fluoride [mg/L]	30-Jun-17	14:55	0.19	0.41	0.24	0.36	0.87	1.00	0.63	0.50	0.07
Chloride [mg/L]	30-Jun-17	10:54	6	4	2	8	14	3	7	3	2
Sulphate [mg/L]	30-Jun-17	10:54	< 2	< 2	< 2	< 2	5	4	10	17	< 2
Bromide [mg/L]	30-Jun-17	11:08	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	30-Jun-17	11:08	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	30-Jun-17	11:08	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	05-Jul-17	13:20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	1.0
Phosphorus (total reactive) [mg/L]	04-Jul-17	11:14	0.05	< 0.03	0.04	0.06	0.09	< 0.03	0.03	< 0.03	0.04
Mercury [mg/L]	07-Jul-17	16:37	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	04-Jul-17	14:31	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00030	0.00008	< 0.00005
Aluminum [mg/L]	04-Jul-17	14:31	1.21	0.873	0.687	0.692	1.89	0.319	0.529	0.654	0.222
Arsenic [mg/L]	04-Jul-17	14:31	0.0105	0.0091	0.0031	0.0020	0.0018	0.0015	0.0068	0.0174	0.0033
Barium [mg/L]	04-Jul-17	14:31	0.0104	0.00954	0.00511	0.00641	0.0410	0.00729	0.0113	0.0828	0.0359
Boron [mg/L]	04-Jul-17	14:31	0.013	0.013	0.013	0.008	0.014	0.019	0.020	0.015	0.012

OnLine LIMS

00010589659

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Phone: 705-652-2000 FAX: 705-652-6365

SFE -24hr 4:1 L/S ratio

LR Report : **CA14666-JUN17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1386	6: AMQ17-1389	7: AMQ17-1395	8: AMQ17-1396	9: AMQ17-1393 Quarry 2-1	10: AMQ17-1393 Quarry 2-2	11: AMQ17-1393 Quarry 2-3	12: AMQ17-1393 Quarry 2-4	13: AMQ17-AP5-1350 -1
Beryllium [mg/L]	04-Jul-17	14:31	0.000026	0.000015	0.000039	0.000032	0.000212	0.000020	0.000025	0.000034	0.000009
Bismuth [mg/L]	04-Jul-17	14:31	0.000011	< 0.000007	0.000012	< 0.000007	0.000035	< 0.000007	< 0.000007	0.000019	< 0.000007
Calcium [mg/L]	04-Jul-17	14:31	2.80	3.78	4.01	1.02	1.73	7.38	4.06	7.21	2.46
Cadmium [mg/L]	04-Jul-17	14:31	0.000005	0.000003	0.000006	0.000003	0.000018	0.000008	0.000004	0.000004	< 0.000003
Cobalt [mg/L]	04-Jul-17	14:31	0.000129	0.000028	0.000109	0.000113	0.00103	0.000174	0.000147	0.000326	0.000312
Chromium [mg/L]	04-Jul-17	14:31	0.00071	0.00027	0.00042	0.00045	0.00464	0.00079	0.00084	0.00165	0.0123
Copper [mg/L]	04-Jul-17	14:31	0.00076	0.00047	0.00103	0.00127	0.00669	0.00136	0.00372	0.00278	0.00064
Iron [mg/L]	04-Jul-17	14:31	0.358	0.185	0.404	0.492	1.67	0.254	0.241	0.494	0.375
Potassium [mg/L]	04-Jul-17	14:31	16.0	13.3	4.91	4.42	3.53	5.18	8.06	10.2	36.0
Lithium [mg/L]	04-Jul-17	14:31	0.0047	0.0033	0.0026	0.0029	0.0035	0.0048	0.0033	0.0026	0.0004
Magnesium [mg/L]	04-Jul-17	14:31	0.358	0.197	0.875	0.571	1.60	5.45	2.16	3.48	0.882
Manganese [mg/L]	04-Jul-17	14:31	0.00528	0.00293	0.00824	0.0120	0.0446	0.0135	0.00730	0.0204	0.00580
Molybdenum [mg/L]	04-Jul-17	14:31	0.00886	0.00303	0.00654	0.00540	0.00285	0.00786	0.0102	0.00722	0.00045
Sodium [mg/L]	04-Jul-17	14:31	6.61	4.89	3.90	5.18	9.90	5.09	12.9	5.66	0.91
Nickel [mg/L]	04-Jul-17	14:31	0.0003	< 0.0001	0.0002	0.0002	0.0080	0.0009	0.0012	0.0017	0.0040
Phosphorus [mg/L]	04-Jul-17	14:31	0.054	0.018	0.056	0.081	0.048	0.022	0.049	0.040	0.025
Lead [mg/L]	04-Jul-17	14:31	0.00067	0.00036	0.00036	0.00092	0.00531	0.00028	0.00054	0.00057	0.00032
Antimony [mg/L]	04-Jul-17	14:31	0.0012	0.0017	0.0004	0.0003	0.0004	0.0006	0.0006	0.0006	0.0033
Selenium [mg/L]	04-Jul-17	14:31	0.00029	0.00009	< 0.00004	< 0.00004	0.00006	0.00010	0.00014	0.00015	< 0.00004
Silicon [mg/L]	04-Jul-17	14:31	5.49	5.84	5.49	5.29	7.88	4.69	5.90	5.70	12.1
Tin [mg/L]	04-Jul-17	14:31	0.00059	0.00032	0.00036	0.00055	0.00049	0.00030	0.00053	0.00031	0.00018
Strontium [mg/L]	04-Jul-17	14:31	0.00836	0.00969	0.00654	0.00382	0.0128	0.0385	0.0228	0.0590	0.0253
Titanium [mg/L]	04-Jul-17	14:31	0.0189	0.0104	0.0138	0.0258	0.0265	0.00800	0.00692	0.0144	0.0148
Thallium [mg/L]	04-Jul-17	14:31	0.000019	0.000015	0.000013	0.000008	0.000016	0.000009	0.000008	0.000016	0.000027
Uranium [mg/L]	04-Jul-17	14:31	0.00304	0.00661	0.00451	0.000503	0.00159	0.0119	0.00587	0.00568	0.000085
Vanadium [mg/L]	04-Jul-17	14:31	0.00766	0.00168	0.00342	0.00152	0.00196	0.00063	0.00249	0.00555	0.0182
Zinc [mg/L]	04-Jul-17	14:31	< 0.002	< 0.002	< 0.002	0.003	0.012	< 0.002	0.003	0.002	< 0.002

Analysis	14: AMQ17-AP5-1350 -2	15: AMQ17-AP5-1352 -1	16: AMQ17-AP5-1352 -2
Sample Date & Time	14-Jun-17	14-Jun-17	14-Jun-17
Sample weight [g]	200	200	200
Volume D.I. Water [mL]	800	800	800
Final pH	10.11	9.99	9.97
pH [no unit]	9.58	9.58	9.25

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Analysis	14: AMQ17-AP5-1350-2	15: AMQ17-AP5-1352-1	16: AMQ17-AP5-1352-2
Alkalinity [mg/L as CaCO3]	54	31	32
Conductivity [uS/cm]	127	84	82
Fluoride [mg/L]	0.09	0.09	0.09
Chloride [mg/L]	2	3	2
Sulphate [mg/L]	< 2	< 2	< 2
Bromide [mg/L]	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	1.0	1.0	1.0
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	0.03
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	0.155	0.210	0.107
Arsenic [mg/L]	0.0063	0.0011	0.0045
Barium [mg/L]	0.0311	0.0168	0.0276
Boron [mg/L]	0.012	0.011	0.011
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	0.000008	< 0.000007
Calcium [mg/L]	2.08	1.83	2.83
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000221	0.000271	0.000202
Chromium [mg/L]	0.00812	0.00923	0.00632
Copper [mg/L]	0.00034	0.00070	0.00133
Iron [mg/L]	0.255	0.314	0.191
Potassium [mg/L]	40.7	24.5	21.7
Lithium [mg/L]	0.0003	0.0003	0.0005
Magnesium [mg/L]	0.644	0.793	0.810
Manganese [mg/L]	0.00506	0.00453	0.00284
Molybdenum [mg/L]	0.00057	0.00037	0.00051
Sodium [mg/L]	0.96	0.92	0.86
Nickel [mg/L]	0.0028	0.0033	0.0024
Phosphorus [mg/L]	0.012	0.023	0.024
Lead [mg/L]	0.00011	0.00015	0.00010
Antimony [mg/L]	0.0037	0.0013	0.0024
Selenium [mg/L]	0.00007	0.00005	0.00006
Silicon [mg/L]	11.8	12.0	13.5
Tin [mg/L]	0.00026	0.00021	0.00023
Strontium [mg/L]	0.0411	0.0124	0.0203

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SFE -24hr 4:1 L/S ratio

LR Report : **CA14666-JUN17**

Analysis	14: AMQ17-AP5-1350-2	15: AMQ17-AP5-1352-1	16: AMQ17-AP5-1352-2
Titanium [mg/L]	0.00873	0.0140	0.00642
Thallium [mg/L]	0.000026	0.000018	0.000015
Uranium [mg/L]	0.000034	0.000042	0.000023
Vanadium [mg/L]	0.0164	0.0158	0.0168
Zinc [mg/L]	< 0.002	0.003	< 0.002

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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30-June-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 22 June 2017
LR Report: **CA14667-JUN17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1386	6: AMQ17-1389	7: AMQ17-1395	8: AMQ17-1396	9: AMQ17-1393 Quarry 2-1	10: AMQ17-1393 Quarry 2-2	11: AMQ17-1393 Quarry 2-3	12: AMQ17-1393 Quarry 2-4
Sample Date & Time					13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17
Fluoride [µg/g]	30-Jun-17	11:19	30-Jun-17	14:08	176	145	84.9	76.9	101	121	188	133
	28-Jun-17	14:39	29-Jun-17	11:35	1	1	1	1	1	1	1	1
Mercury [ug/g]	29-Jun-17	10:39	29-Jun-17	11:35	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	27-Jun-17	13:30	28-Jun-17	13:54	12000	10000	9500	7600	9000	8500	10000	11000
Silver [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	0.06	0.14	0.12	0.03	0.12	0.01	1.2	0.71
Arsenic [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	2.8	2.4	0.6	1.5	2.7	0.8	2.5	4.5
Boron [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	2	2	3	< 1	3	< 1	3	3
Barium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	67	65	34	48	70	19	78	540
Beryllium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	0.23	0.23	0.42	0.31	0.43	0.07	0.36	0.21
Bismuth [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	< 0.09	0.12	< 0.09	< 0.09	0.16	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	27-Jun-17	13:30	28-Jun-17	13:54	3700	6900	2100	1500	1900	2600	3100	4300
Cadmium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	0.05	0.02	0.04	0.02	0.05	< 0.02	0.03	0.03
Cobalt [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	6.7	3.3	4.7	4.5	5.3	1.8	6.4	9.8
Chromium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	48	43	42	38	55	15	47	110
Copper [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	13	6.5	4.2	3.2	9.0	2.4	7.9	18
Iron [µg/g]	27-Jun-17	13:30	28-Jun-17	13:54	26000	25000	21000	20000	18000	17000	22000	20000
Potassium [µg/g]	27-Jun-17	13:30	28-Jun-17	13:54	9600	7100	2700	3500	3300	2700	3700	2800
Lithium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	17	13	12	7	10	3	11	11
Magnesium [µg/g]	27-Jun-17	13:30	28-Jun-17	13:54	5500	2500	4200	2600	4100	4600	4900	11000

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LR Report : **CA14667-JUN17**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ17-1386	6: AMQ17-1389	7: AMQ17-1395	8: AMQ17-1396	9: AMQ17-1393 Quarry 2-1	10: AMQ17-1393 Quarry 2-2	11: AMQ17-1393 Quarry 2-3	12: AMQ17-1393 Quarry 2-4
Manganese [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	330	260	280	190	250	88	310	290
Molybdenum [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	2.7	2.1	0.8	0.9	0.9	0.2	1.0	0.7
Sodium [µg/g]	27-Jun-17	13:30	28-Jun-17	13:53	450	700	480	300	710	630	1000	710
Nickel [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	15	3.7	6.3	6.1	19	5.1	11	77
Phosphorus [µg/g]	27-Jun-17	13:30	28-Jun-17	13:53	580	380	440	470	400	530	700	550
Lead [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	23	22	6.1	14	14	3.5	9.2	5.5
Antimony [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	27-Jun-17	13:30	28-Jun-17	13:53	1200	1700	1400	1200	1700	1700	1800	2300
Tin [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	38	33	16	21	23	8.4	26	35
Titanium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	1000	1000	370	560	430	130	680	450
Thallium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	0.55	0.54	0.08	0.19	0.11	< 0.02	0.12	0.07
Uranium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	1.8	5.5	4.4	5.2	3.3	0.92	2.4	2.3
Vanadium [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	15	4	11	8	11	4	14	20
Zinc [µg/g]	27-Jun-17	14:41	27-Jun-17	17:24	56	43	42	40	41	11	50	34

Analysis	13: AMQ17-AP5-1350-1	14: AMQ17-AP5-1350-2	15: AMQ17-AP5-1352-1	16: AMQ17-AP5-1352-2
Sample Date & Time	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17
Fluoride [µg/g]	53.9	65.2	97.6	130
	1	1	1	1
Mercury [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	21000	19000	23000	21000
Silver [µg/g]	0.02	0.19	0.06	0.05
Arsenic [µg/g]	< 0.5	1.0	< 0.5	< 0.5
Boron [µg/g]	1	1	1	1
Barium [µg/g]	360	270	220	400
Beryllium [µg/g]	0.24	0.26	0.21	0.29
Bismuth [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	4600	18000	2900	2600
Cadmium [µg/g]	< 0.02	0.04	< 0.02	< 0.02
Cobalt [µg/g]	23	24	23	23
Chromium [µg/g]	1200	1100	1000	990

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LR Report : **CA14667-JUN17**

Analysis	13: AMQ17-AP5-135 0-1	14: AMQ17-AP5-135 0-2	15: AMQ17-AP5-135 2-1	16: AMQ17-AP5-135 2-2
Copper [µg/g]	28	46	35	80
Iron [µg/g]	31000	30000	30000	28000
Potassium [µg/g]	14000	11000	9200	15000
Lithium [µg/g]	18	13	19	22
Magnesium [µg/g]	36000	33000	38000	34000
Manganese [µg/g]	330	560	340	290
Molybdenum [µg/g]	0.1	0.1	0.1	0.2
Sodium [µg/g]	100	75	100	130
Nickel [µg/g]	260	270	260	250
Phosphorus [µg/g]	680	670	870	740
Lead [µg/g]	0.51	3.6	1.5	1.0
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	1900	2000	2800	2500
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	90	270	54	54
Titanium [µg/g]	1100	920	990	1400
Thallium [µg/g]	0.62	0.54	0.38	0.54
Uranium [µg/g]	0.56	0.64	0.89	0.68
Vanadium [µg/g]	34	40	42	37
Zinc [µg/g]	28	28	31	29

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

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03-August-2017

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Date Rec. : 05 July 2017
LR Report: **CA15004-JUL17**
Reference: Amaruq Project Golder #1665859

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CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
5: AMQ-ENV17-14	13-Jun-17	44.2	10.8	20.2	6.88	9.67	1.40	1.64	0.53	0.04	0.70	0.27	0.04	2.03	98.5
6: AMQ-ENV17-15	13-Jun-17	51.2	10.6	10.5	12.4	5.35	1.29	2.50	0.61	0.22	0.17	0.18	0.03	4.59	99.7
7: AMQ-ENV17-16	13-Jun-17	59.2	14.6	8.82	3.06	3.35	2.97	3.46	0.96	0.32	0.10	0.02	0.03	3.27	100.2
8: AMQ-ENV17-17	13-Jun-17	56.1	12.7	8.95	7.96	3.68	2.80	2.60	0.63	0.21	0.12	0.11	0.02	4.13	100.0
9: AMQ-ENV17-18	14-Jun-17	62.2	13.8	5.71	4.45	2.33	3.37	3.13	0.53	0.19	0.08	0.05	0.02	3.42	99.3
10: AMQ-ENV17-19	14-Jun-17	63.6	16.9	5.22	1.82	2.10	3.69	3.63	0.48	0.18	0.08	0.02	0.02	1.84	99.5
11: AMQ-ENV17-20	14-Jun-17	48.6	7.01	9.94	20.7	5.20	0.16	1.78	0.39	0.18	0.15	0.27	0.02	5.50	99.9
12: AMQ-ENV17-21	14-Jun-17	62.8	8.60	15.3	1.86	2.62	1.90	1.94	0.29	0.20	0.35	< 0.01	0.01	2.11	98.0
13: AMQ-ENV17-22	14-Jun-17	55.5	14.8	11.6	3.36	4.92	2.81	2.32	1.31	0.41	0.15	0.02	0.03	2.61	99.9
14: AMQ-ENV17-23	14-Jun-17	61.8	14.7	8.47	2.45	3.79	2.95	3.04	0.90	0.26	0.08	0.02	0.02	1.44	99.9
15: AMQ-ENV17-24	14-Jun-17	62.3	14.8	8.44	2.26	3.04	2.98	3.09	0.92	0.28	0.11	0.02	0.02	2.07	100.3
16: AMQ-ENV17-25	14-Jun-17	66.7	14.4	4.70	2.02	2.34	4.17	2.74	0.43	0.13	0.07	0.02	0.02	2.25	99.9
17: AMQ-ENV17-26	14-Jun-17	58.5	14.5	8.88	2.79	4.01	2.94	2.86	0.92	0.28	0.11	0.02	0.02	3.92	99.8
18: AMQ-ENV17-27	14-Jun-17	47.2	8.47	11.9	16.0	8.02	0.73	2.41	0.71	0.29	0.24	0.23	0.04	3.49	99.8
19: AMQ-ENV17-28	14-Jun-17	55.6	16.7	9.12	4.54	2.67	4.57	2.94	0.76	0.21	0.12	0.04	0.03	1.99	99.3
20: AMQ-ENV17-29	14-Jun-17	61.2	15.5	8.62	2.81	1.69	3.58	2.89	0.97	0.30	0.11	0.02	0.02	2.19	99.8
21: AMQ-ENV17-30	14-Jun-17	62.0	15.2	8.54	2.35	4.48	3.17	2.87	0.86	0.26	0.11	0.02	0.02	1.46	101.3
22: AMQ-ENV17-31	14-Jun-17	64.9	15.5	4.85	2.35	2.21	3.91	2.82	0.50	0.15	0.06	0.03	0.02	2.26	99.5
23: AMQ-ENV17-32	14-Jun-17	47.0	12.9	11.5	8.56	9.57	0.86	1.87	0.80	0.07	0.37	0.06	0.05	6.53	100.1
24: AMQ-ENV17-33	15-Jun-17	45.2	14.2	11.8	5.73	11.0	1.62	0.86	0.81	0.06	0.41	0.04	0.06	8.13	99.8
25: AMQ-ENV17-34	15-Jun-17	47.1	13.9	11.6	4.40	7.56	2.32	1.73	0.88	0.06	0.36	0.09	0.06	8.77	98.8

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LR Report : **CA15004-JUL17**

Sample ID	Sample Date & Time	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
26: AMQ-ENV17-35	15-Jun-17	45.8	15.6	15.1	6.31	10.3	0.95	2.02	0.95	0.07	0.49	0.04	0.06	2.33	100.0
27: AMQ-ENV17-36	15-Jun-17	46.0	13.8	14.0	5.87	10.2	1.54	1.04	0.80	0.06	0.55	0.06	0.05	5.71	99.7
28: AMQ-ENV17-37	15-Jun-17	42.1	5.56	9.12	22.0	6.15	0.11	0.80	0.30	0.15	0.15	0.25	0.03	13.1	99.8
29: AMQ-ENV17-38	15-Jun-17	43.4	7.45	10.4	21.5	7.12	0.26	0.70	0.37	0.02	0.17	0.34	0.03	8.37	100.1
30: AMQ-ENV17-39	15-Jun-17	52.3	11.0	9.93	12.3	4.96	2.38	3.17	0.62	0.25	0.14	0.18	0.03	2.26	99.5
31: AMQ-ENV17-40	15-Jun-17	45.9	7.88	24.7	4.64	4.80	0.67	1.61	0.32	0.09	1.04	0.03	0.02	6.42	98.1
32: AMQ-ENV17-41	15-Jun-17	50.8	13.3	11.5	6.39	9.53	1.32	1.59	0.86	0.07	0.29	0.04	0.06	3.76	99.5
33: AMQ-ENV17-42	15-Jun-17	46.3	13.8	13.3	7.88	8.30	1.58	1.14	0.88	0.06	0.26	0.02	0.05	6.47	100.0
34: AMQ-ENV17-43	15-Jun-17	42.4	7.31	10.6	23.0	4.55	0.15	1.27	0.38	0.02	0.14	0.34	0.03	9.81	100.0
35: AMQ-ENV17-44	15-Jun-17	45.4	7.11	8.55	21.0	4.51	0.51	0.71	0.28	0.02	0.15	0.27	0.02	11.7	100.2
36: AMQ-ENV17-45	15-Jun-17	50.5	14.1	8.39	6.78	13.2	2.27	0.66	0.69	0.07	0.27	0.08	0.06	2.94	100.0
37: AMQ-ENV17-46	16-Jun-17	39.8	9.03	11.4	23.1	3.66	0.21	0.69	0.41	0.03	0.16	0.32	0.04	10.8	99.7
38: AMQ-ENV17-47	16-Jun-17	44.2	4.86	9.13	21.6	5.93	0.09	0.94	0.27	0.13	0.17	0.25	0.02	12.8	100.4
39: AMQ-ENV17-48	16-Jun-17	52.8	11.3	9.47	11.2	5.27	2.24	2.23	0.60	0.22	0.13	0.17	0.03	4.25	99.9
40: AMQ-ENV17-49	16-Jun-17	65.4	14.2	6.56	2.75	2.11	3.17	2.87	0.52	0.14	0.08	0.03	0.01	1.99	99.9
41: AMQ-ENV17-50	16-Jun-17	48.7	9.97	11.4	15.5	5.79	1.65	1.99	0.63	0.25	0.16	0.26	0.03	3.71	100.0
42: AMQ-ENV17-51	16-Jun-17	48.0	8.50	12.6	16.6	7.07	1.35	1.71	0.73	0.28	0.18	0.25	0.04	2.55	99.9
43: AMQ-ENV17-52	16-Jun-17	50.4	9.98	10.3	13.4	7.54	1.75	2.51	0.66	0.33	0.17	0.17	0.02	2.73	100.0
44: AMQ-ENV17-53	16-Jun-17	56.6	14.8	9.14	5.07	2.97	4.66	1.77	0.77	0.23	0.11	0.06	0.03	3.42	99.6
45: AMQ-ENV17-54	16-Jun-17	46.2	8.67	12.5	16.5	7.75	0.46	2.01	0.71	0.29	0.25	0.24	0.03	4.13	99.8
46: AMQ-ENV17-55	16-Jun-17	48.3	9.84	10.8	13.9	7.36	1.53	2.12	0.72	0.36	0.20	0.17	0.03	3.97	99.4
47: AMQ-ENV17-56	16-Jun-17	72.6	5.13	10.2	1.36	3.45	0.67	1.27	0.14	0.07	0.20	0.02	< 0.01	1.94	97.0
48: AMQ-ENV17-57	16-Jun-17	45.6	9.53	11.5	14.3	7.15	0.83	2.30	0.76	0.31	0.23	0.17	0.03	6.80	99.6
49: AMQ-ENV17-58	16-Jun-17	48.0	8.87	12.2	16.4	6.96	0.98	2.00	0.62	0.23	0.18	0.26	0.04	2.98	99.7
50: AMQ-ENV17-59	16-Jun-17	50.0	9.09	9.43	15.5	5.63	1.83	1.63	0.50	0.24	0.16	0.20	0.03	5.63	99.9
51: AMQ-ENV17-60	16-Jun-17	53.7	11.9	9.99	9.16	5.15	2.64	2.30	0.70	0.24	0.16	0.12	0.02	3.35	99.4
52: AMQ-ENV17-61	16-Jun-17	48.9	10.5	11.0	13.7	7.17	1.72	2.31	0.74	0.41	0.20	0.15	0.03	2.77	99.5
53: AMQ-ENV17-62	16-Jun-17	46.4	8.78	12.1	16.0	8.34	0.70	1.69	0.71	0.29	0.25	0.23	0.03	4.10	99.6
54: AMQ-ENV17-63	16-Jun-17	47.6	6.00	9.83	23.7	4.88	0.20	0.64	0.33	0.16	0.15	0.30	0.02	6.32	100.1
55: AMQ-ENV17-77	18-Jun-17	41.6	6.65	10.3	25.0	4.80	0.09	0.05	0.32	0.03	0.16	0.39	0.03	10.7	100.0
56: AMQ-ENV17-78	18-Jun-17	46.9	14.6	14.0	5.97	11.4	2.00	0.65	0.84	0.06	0.51	0.10	0.05	2.97	100.0
57: AMQ-ENV17-79	18-Jun-17	42.1	10.4	16.9	8.18	11.2	1.71	0.42	0.59	0.04	0.72	0.17	0.05	7.15	99.7
58: AMQ-ENV17-80	18-Jun-17	49.3	11.3	7.94	7.87	6.83	1.89	7.13	1.27	1.55	0.13	0.04	0.03	3.06	98.4
59-DUP: AMQ-ENV17-32		46.9	12.9	11.5	8.55	9.53	0.85	1.85	0.81	0.07	0.38	0.06	0.06	6.49	99.9
60-DUP: AMQ-ENV17-53		56.6	14.9	9.13	5.07	2.93	4.64	1.77	0.77	0.23	0.11	0.07	0.03	3.41	99.7

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LR Report : **CA15004-JUL17**



Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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ABA - Modified Sobek with Siderite correction

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

03-August-2017

Date Rec. : 05 July 2017
LR Report: **CA15005-JUL17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: AMQ-ENV17-14	6: AMQ-ENV17-15	7: AMQ-ENV17-16	8: AMQ-ENV17-17	9: AMQ-ENV17-18	10: AMQ-ENV17-19	11: AMQ-ENV17-20	12: AMQ-ENV17-21	13: AMQ-ENV17-22	14: AMQ-ENV17-23	15: AMQ-ENV17-24
Sample Date & Time	13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17
Paste pH	9.49	9.33	9.55	9.58	9.85	9.97	9.22	10.00	9.64	9.61	9.16
Fizz Rate [---]	3	3	3	3	2	1	1	3	1	1	1
Sample weight [g]	2.00	1.99	2.02	2.02	2.01	1.99	1.99	1.99	2.01	2.02	2.01
HCl Added [mL]	45.10	31.00	33.50	34.50	27.50	20.00	24.70	36.50	34.50	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	20.66	8.01	10.29	9.34	5.04	5.55	3.94	12.80	12.84	6.24	6.11
Final pH	1.85	2.21	2.23	2.09	2.66	2.43	2.53	2.13	2.25	2.28	2.38
NP [t CaCO3/1000 t]	45	44	40	46	47	27	45	37	32	23	24
AP [t CaCO3/1000 t]	28.1	0.62	3.75	0.62	0.94	2.19	0.62	55.9	1.88	0.94	1.25
Net NP [t CaCO3/1000 t]	16.9	43.4	36.2	45.4	46.1	24.8	44.4	-18.94	30.1	22.1	22.8
NP/AP [ratio]	1.60	70.4	10.7	73.6	50.1	12.3	72.6	0.66	17.1	24.5	19.2
Sulphur (total) [%]	1.15	0.037	0.165	0.049	0.067	0.221	0.026	2.34	0.088	0.063	0.066
Acid Leachable SO4-S [%]	0.25	< 0.02	0.04	0.03	0.04	0.15	0.03	0.55	0.03	0.03	0.03
Sulphide [%]	0.90	0.02	0.12	0.02	0.03	0.07	< 0.02	1.79	0.06	0.03	0.04
Carbon (total) [%]	0.443	0.402	0.389	0.475	0.432	0.109	0.355	0.438	0.241	0.031	0.022
Carbonate [%]	1.45	1.87	1.69	2.21	1.95	0.425	1.66	1.26	1.03	0.050	0.060
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

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ABA - Modified Sobek with Siderite correction

LR Report : **CA15005-JUL17**

Analysis	16: AMQ-ENV17-25	17: AMQ-ENV17-26	18: AMQ-ENV17-27	19: AMQ-ENV17-28	20: AMQ-ENV17-29	21: AMQ-ENV17-30	22: AMQ-ENV17-31	23: AMQ-ENV17-32	24: AMQ-ENV17-33	25: AMQ-ENV17-34	26: AMQ-ENV17-35
Sample Date & Time	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17
Paste pH	9.82	9.57	9.85	10.08	9.39	9.91	9.68	9.48	9.03	9.12	9.80
Fizz Rate [---]	1	1	3	2	1	1	2	4	4	4	1
Sample weight [g]	1.99	2.03	2.02	2.02	2.00	1.99	2.03	2.03	2.02	2.03	2.02
HCl Added [mL]	24.50	37.70	25.00	25.80	20.00	20.00	20.00	70.50	77.80	94.30	27.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	5.22	9.15	5.20	8.24	6.35	4.48	3.82	22.57	22.90	26.87	4.04
Final pH	2.38	2.27	2.29	2.23	2.28	2.56	2.51	1.83	1.65	1.71	2.56
NP [t CaCO3/1000 t]	39	55	40	29	23	31	33	100	118	145	50
AP [t CaCO3/1000 t]	2.81	0.94	0.62	1.25	0.62	0.62	1.25	0.62	1.88	5.00	5.62
Net NP [t CaCO3/1000 t]	36.2	54.1	39.4	27.8	22.4	30.4	31.8	99.4	116	140	44.4
NP/AP [ratio]	13.9	58.7	64.5	23.2	37.1	49.6	26.4	161	62.9	29.0	8.89
Sulphur (total) [%]	0.142	0.068	0.034	0.104	0.034	0.063	0.098	0.034	0.116	0.253	0.275
Acid Leachable SO4-S [%]	0.05	0.04	0.03	0.06	0.03	0.04	0.06	0.03	0.06	0.09	0.10
Sulphide [%]	0.09	0.03	< 0.02	0.04	< 0.02	0.02	0.04	< 0.02	0.06	0.16	0.18
Carbon (total) [%]	0.311	0.556	0.247	0.117	0.021	0.083	0.201	1.13	1.47	1.80	0.110
Carbonate [%]	1.40	2.60	1.14	0.500	0.085	0.310	0.884	5.06	7.17	8.29	0.420
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Analysis	27: AMQ-ENV17-36	28: AMQ-ENV17-37	29: AMQ-ENV17-38	30: AMQ-ENV17-39	31: AMQ-ENV17-40	32: AMQ-ENV17-41	33: AMQ-ENV17-42	34: AMQ-ENV17-43	35: AMQ-ENV17-44	36: AMQ-ENV17-45	37: AMQ-ENV17-46
Sample Date & Time	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	16-Jun-17
Paste pH	9.11	9.02	9.11	9.85	8.85	9.40	9.28	9.27	9.17	9.41	9.02
Fizz Rate [---]	4	1	4	2	4	4	4	4	4	3	4
Sample weight [g]	2.01	2.00	1.99	2.00	2.01	2.05	1.98	1.98	2.02	2.00	2.02
HCl Added [mL]	53.85	83.10	48.50	20.00	111.00	51.00	64.00	58.00	85.00	27.00	63.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	25.44	6.41	9.69	3.36	63.36	20.16	28.52	10.47	18.34	4.71	11.94
Final pH	1.65	2.17	1.99	2.72	1.64	1.84	1.69	1.87	1.70	2.41	1.78
NP [t CaCO3/1000 t]	27	187	90	36	65	58	65	111	150	47	116
AP [t CaCO3/1000 t]	4.06	0.62	2.81	0.94	103	5.94	1.25	1.25	0.94	0.94	2.19
Net NP [t CaCO3/1000 t]	22.9	186	87.2	35.1	-38.12	52.1	63.8	110	149	46.1	114

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ABA - Modified Sobek with Siderite correction

LR Report : **CA15005-JUL17**

Analysis	27: AMQ-ENV17-36	28: AMQ-ENV17-37	29: AMQ-ENV17-38	30: AMQ-ENV17-39	31: AMQ-ENV17-40	32: AMQ-ENV17-41	33: AMQ-ENV17-42	34: AMQ-ENV17-43	35: AMQ-ENV17-44	36: AMQ-ENV17-45	37: AMQ-ENV17-46
NP/AP [ratio]	6.65	302	32.0	38.4	0.63	9.77	52.0	88.8	160	50.1	53.0
Sulphur (total) [%]	0.181	0.042	0.142	0.076	3.15	0.275	0.070	0.080	0.087	0.081	0.167
Acid Leachable SO4-S [%]	0.05	0.04	0.05	0.05	< 0.02	0.08	0.03	0.04	0.06	0.05	0.10
Sulphide [%]	0.13	< 0.02	0.09	0.03	3.30	0.19	0.04	0.04	0.03	0.03	0.07
Carbon (total) [%]	0.966	2.44	0.898	0.113	1.01	0.567	0.851	1.23	1.86	0.502	1.41
Carbonate [%]	4.51	12.0	4.51	0.520	2.09	2.55	4.07	6.17	8.94	2.26	6.43
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Analysis	38: AMQ-ENV17-47	39: AMQ-ENV17-48	40: AMQ-ENV17-49	41: AMQ-ENV17-50	42: AMQ-ENV17-51	43: AMQ-ENV17-52	44: AMQ-ENV17-53	45: AMQ-ENV17-54	46: AMQ-ENV17-55	47: AMQ-ENV17-56	48: AMQ-ENV17-57
Sample Date & Time	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17
Paste pH	8.99	9.81	9.97	9.82	9.87	9.84	9.74	9.85	9.80	9.51	9.86
Fizz Rate [---]	4	3	3	3	3	3	3	3	3	4	4
Sample weight [g]	1.98	2.03	2.01	2.03	2.00	1.97	2.02	2.01	2.01	2.00	2.05
HCl Added [mL]	109.50	40.00	20.00	28.00	20.00	27.00	41.00	41.00	41.00	61.00	60.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	26.63	8.83	5.99	8.28	4.53	7.47	15.01	15.59	15.50	27.73	13.48
Final pH	1.75	2.09	2.37	2.05	2.48	2.14	1.89	1.78	1.76	1.76	1.97
NP [t CaCO3/1000 t]	186	69	24	33	30	35	52	50	50	60	102
AP [t CaCO3/1000 t]	0.62	0.94	2.81	0.62	0.94	1.25	3.44	0.62	0.62	48.1	0.62
Net NP [t CaCO3/1000 t]	185	68.1	21.2	32.4	29.1	33.8	48.6	49.4	49.4	11.9	101
NP/AP [ratio]	300	73.6	8.53	52.8	32.0	28.0	15.1	80.6	80.0	1.25	165
Sulphur (total) [%]	0.041	0.083	0.236	0.054	0.060	0.070	0.229	< 0.005	0.014	2.71	0.020
Acid Leachable SO4-S [%]	0.04	0.05	0.15	0.03	0.03	0.03	0.12	< 0.02	< 0.02	1.17	0.02
Sulphide [%]	< 0.02	0.03	0.09	0.02	0.03	0.04	0.11	< 0.02	0.02	1.54	< 0.02
Carbon (total) [%]	2.38	0.452	0.146	0.153	0.046	0.191	0.426	0.273	0.423	1.52	0.975
Carbonate [%]	11.6	2.05	0.565	0.684	0.180	0.794	1.94	1.22	1.94	5.32	4.89
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.74	< 0.05

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

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ABA - Modified Sobek with Siderite correction

LR Report : **CA15005-JUL17**

Analysis	49: AMQ-ENV17-58	50: AMQ-ENV17-59	51: AMQ-ENV17-60	52: AMQ-ENV17-61	53: AMQ-ENV17-62	54: AMQ-ENV17-63	55: AMQ-ENV17-77	56: AMQ-ENV17-78	57: AMQ-ENV17-79	58: AMQ-ENV17-80
Sample Date & Time	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	18-Jun-17	18-Jun-17	18-Jun-17	18-Jun-17
Paste pH	9.88	9.62	9.97	9.84	9.73	9.57	8.98	9.24	9.21	9.83
Fizz Rate [---]	2	2	2	2	2	2	4	2	4	4
Sample weight [g]	1.98	2.02	1.96	2.05	2.00	2.00	2.04	2.03	2.02	2.02
HCl Added [mL]	27.00	41.00	37.00	27.20	38.50	26.20	60.00	33.00	64.00	85.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	10.71	9.14	13.26	8.48	12.32	5.58	11.57	11.37	28.38	30.52
Final pH	2.17	2.21	1.95	2.10	1.95	2.44	1.89	1.98	1.57	1.60
NP [t CaCO3/1000 t]	21	71	35	30	42	41	109	32	64	109
AP [t CaCO3/1000 t]	0.62	0.62	1.88	0.94	0.62	0.62	0.94	7.50	6.88	1.25
Net NP [t CaCO3/1000 t]	20.4	70.4	33.1	29.1	41.4	40.4	108	24.5	57.1	108
NP/AP [ratio]	33.9	115	18.7	32.0	67.7	66.1	116	4.27	9.31	87.2
Sulphur (total) [%]	0.020	0.010	0.070	0.039	0.005	< 0.005	0.020	0.250	0.207	0.050
Acid Leachable SO4-S [%]	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Sulphide [%]	< 0.02	< 0.02	0.06	0.03	< 0.02	< 0.02	0.03	0.24	0.22	0.04
Carbon (total) [%]	0.061	0.686	0.372	0.166	0.322	0.405	1.32	0.425	1.39	0.730
Carbonate [%]	0.245	3.16	1.73	0.754	1.48	1.95	6.37	1.68	6.40	3.33
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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03-August-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 05 July 2017
LR Report: **CA15006-JUL17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV17-14	6: AMQ-ENV17-15	7: AMQ-ENV17-16	8: AMQ-ENV17-17	9: AMQ-ENV17-18	10: AMQ-ENV17-19	11: AMQ-ENV17-20	12: AMQ-ENV17-21	13: AMQ-ENV17-22
Sample Date & Time			13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17
Sample weight [g]	26-Jul-17	09:48	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	26-Jul-17	09:48	800	800	800	800	800	800	800	800	800
Final pH	26-Jul-17	09:48	9.40	9.83	9.64	9.81	9.74	9.67	9.84	9.53	9.71
pH [no unit]	28-Jul-17	13:46	8.80	9.37	8.92	9.30	9.24	9.21	9.36	8.85	9.24
Alkalinity [mg/L as CaCO3]	28-Jul-17	13:46	36	38	31	38	37	36	39	45	36
Conductivity [uS/cm]	28-Jul-17	13:46	136	102	81	111	90	80	101	150	96
Fluoride [mg/L]	27-Jul-17	09:17	0.08	0.18	0.17	0.18	0.16	0.22	0.18	0.14	0.23
Chloride [mg/L]	28-Jul-17	10:51	19	3	3	4	2	2	2	19	3
Sulphate [mg/L]	28-Jul-17	10:51	< 2	3	< 2	4	2	< 2	< 2	< 20	3
Bromide [mg/L]	27-Jul-17	08:57	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	27-Jul-17	08:57	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	27-Jul-17	08:57	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	27-Jul-17	15:44	0.3	0.4	< 0.2	0.3	0.2	< 0.2	1.2	< 0.2	< 0.2
Phosphorus (total reactive) [mg/L]	31-Jul-17	09:30	0.34	< 0.03	< 0.03	< 0.03	< 0.03	0.04	0.10	< 0.03	< 0.03
Mercury [mg/L]	27-Jul-17	07:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00006	< 0.00001
Silver [mg/L]	28-Jul-17	08:47	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	28-Jul-17	08:47	0.355	0.181	1.01	0.390	0.620	1.58	0.086	0.831	1.32
Arsenic [mg/L]	28-Jul-17	08:47	2.40	0.0807	0.0153	0.0511	0.0356	0.0591	0.582	0.0198	0.0236
Barium [mg/L]	28-Jul-17	08:47	0.00541	0.0111	0.00316	0.0106	0.00424	0.00529	0.0205	0.00179	0.00591

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SFE -24hr 4:1 L/S ratio

LR Report : **CA15006-JUL17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV17-14	6: AMQ-ENV17-15	7: AMQ-ENV17-16	8: AMQ-ENV17-17	9: AMQ-ENV17-18	10: AMQ-ENV17-19	11: AMQ-ENV17-20	12: AMQ-ENV17-21	13: AMQ-ENV17-22
Boron [mg/L]	28-Jul-17	08:47	0.101	0.016	0.016	0.013	0.012	0.018	0.030	0.017	0.014
Beryllium [mg/L]	28-Jul-17	08:47	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000012	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	28-Jul-17	08:47	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000011	< 0.000007
Calcium [mg/L]	28-Jul-17	08:47	5.27	3.33	3.90	3.13	3.15	2.13	3.11	3.38	3.18
Cadmium [mg/L]	28-Jul-17	08:47	< 0.000003	0.000003	< 0.000003	< 0.000003	0.000006	0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	28-Jul-17	08:47	0.000077	0.000037	0.000012	0.000096	0.000022	0.000116	0.000161	0.000011	0.000058
Chromium [mg/L]	28-Jul-17	08:47	0.00055	0.00065	0.00015	0.00043	0.00058	0.00041	0.00438	0.00020	0.00034
Copper [mg/L]	28-Jul-17	08:47	0.00016	0.00031	0.00021	0.00023	0.00037	0.00036	0.00021	0.00032	0.00018
Iron [mg/L]	28-Jul-17	08:47	0.014	0.017	0.016	0.013	0.029	0.153	0.121	0.109	0.132
Potassium [mg/L]	28-Jul-17	08:47	27.1	24.2	13.4	24.2	17.2	14.6	26.4	14.6	20.7
Lithium [mg/L]	28-Jul-17	08:47	0.0009	0.0001	0.0003	0.0002	0.0006	0.0013	0.0004	0.0014	0.0005
Magnesium [mg/L]	28-Jul-17	08:47	0.651	0.352	0.330	0.296	0.326	0.203	0.501	0.283	0.244
Manganese [mg/L]	28-Jul-17	08:47	0.00110	0.00030	0.00025	0.00024	0.00050	0.00312	0.00195	0.00352	0.00164
Molybdenum [mg/L]	28-Jul-17	08:47	0.00050	0.00674	0.00357	0.0123	0.0111	0.00121	0.00086	0.00040	0.0148
Sodium [mg/L]	28-Jul-17	08:47	3.86	2.96	4.70	4.15	5.96	6.47	2.06	20.2	4.59
Nickel [mg/L]	28-Jul-17	08:47	0.0018	0.0005	< 0.0001	0.0009	0.0002	0.0003	0.0016	< 0.0001	0.0002
Phosphorus [mg/L]	28-Jul-17	08:47	< 0.003	0.009	0.046	0.016	0.017	0.034	0.015	0.005	0.050
Lead [mg/L]	28-Jul-17	08:47	< 0.00001	0.00003	0.00002	0.00011	0.00005	0.00010	0.00005	0.00004	0.00005
Antimony [mg/L]	28-Jul-17	08:47	0.0211	0.0022	0.0034	0.0025	0.0020	0.0043	0.0053	0.0042	0.0037
Selenium [mg/L]	28-Jul-17	08:47	0.00016	0.00012	0.00006	0.00023	0.00026	0.00006	0.00014	< 0.00004	0.00024
Silicon [mg/L]	28-Jul-17	08:47	3.04	5.63	2.41	3.94	3.89	4.43	8.28	2.24	2.50
Tin [mg/L]	28-Jul-17	08:47	0.00006	0.00006	0.00008	0.00010	0.00013	0.00010	0.00007	0.00022	0.00006
Strontium [mg/L]	28-Jul-17	08:47	0.0208	0.0391	0.0144	0.0237	0.0173	0.00734	0.0679	0.0134	0.00733
Titanium [mg/L]	28-Jul-17	08:47	0.00018	0.00044	0.00110	0.00081	0.00227	0.00788	0.00533	0.00271	0.0111
Thallium [mg/L]	28-Jul-17	08:47	< 0.000005	0.000013	0.000006	0.000009	0.000010	0.000005	0.000014	< 0.000005	0.000005
Uranium [mg/L]	28-Jul-17	08:47	0.000017	0.000022	0.000389	0.000053	0.000374	0.00216	0.000040	0.000079	0.000586
Vanadium [mg/L]	28-Jul-17	08:47	0.0121	0.0251	0.0120	0.0142	0.0138	0.0142	0.0227	0.0018	0.0168
Zinc [mg/L]	28-Jul-17	08:47	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	14: AMQ-ENV17-23	15: AMQ-ENV17-24	16: AMQ-ENV17-25	17: AMQ-ENV17-26	18: AMQ-ENV17-27	19: AMQ-ENV17-28	20: AMQ-ENV17-29	21: AMQ-ENV17-30	22: AMQ-ENV17-31	23: AMQ-ENV17-32
Sample Date & Time	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17
Sample weight [g]	200	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800	800	800

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SFE -24hr 4:1 L/S ratio

LR Report : **CA15006-JUL17**

Analysis	14: AMQ-ENV17-23	15: AMQ-ENV17-24	16: AMQ-ENV17-25	17: AMQ-ENV17-26	18: AMQ-ENV17-27	19: AMQ-ENV17-28	20: AMQ-ENV17-29	21: AMQ-ENV17-30	22: AMQ-ENV17-31	23: AMQ-ENV17-32
Final pH	9.78	9.13	9.69	9.66	10.20	10.01	9.60	9.92	9.57	9.66
pH [no unit]	8.85	7.68	9.12	8.86	9.82	9.59	8.88	9.21	8.78	8.97
Alkalinity [mg/L as CaCO3]	26	21	31	34	44	43	33	39	35	39
Conductivity [uS/cm]	61	62	80	75	113	99	82	93	101	94
Fluoride [mg/L]	0.19	0.20	0.07	0.15	0.24	0.14	0.20	0.22	0.17	0.11
Chloride [mg/L]	2	3	4	2	2	2	3	2	7	2
Sulphate [mg/L]	< 2	4	< 2	< 2	< 2	< 2	2	< 2	< 2	< 2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	< 0.2	< 0.2	< 0.2	< 0.2	1.2	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Phosphorus (total reactive) [mg/L]	0.16	< 0.03	< 0.03	< 0.03	0.05	0.03	0.04	0.10	< 0.03	0.10
Mercury [mg/L]	< 0.00001	0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	1.74	0.867	0.960	1.26	0.146	1.55	1.21	1.73	1.02	0.409
Arsenic [mg/L]	0.0474	0.0088	0.0065	0.0118	0.0016	0.0133	0.0604	0.0992	0.0885	0.897
Barium [mg/L]	0.00539	0.00430	0.00284	0.00264	0.0289	0.0105	0.00433	0.00669	0.00533	0.00317
Boron [mg/L]	0.015	0.011	0.017	0.018	0.044	0.059	0.015	0.018	0.022	0.022
Beryllium [mg/L]	0.000015	0.000008	< 0.000007	< 0.000007	< 0.000007	0.000010	< 0.000007	0.000008	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	0.49	2.62	4.52	3.75	3.27	1.74	2.59	1.68	3.42	3.88
Cadmium [mg/L]	< 0.000003	0.000007	0.000005	< 0.000003	< 0.000003	< 0.000003	0.000005	0.000016	0.000005	0.000003
Cobalt [mg/L]	0.000160	0.000173	0.000068	0.000016	0.000063	0.000109	0.000109	0.000194	0.000060	0.000019
Chromium [mg/L]	0.00097	0.00067	0.00027	0.00018	0.00302	0.00168	0.00047	0.00090	0.00064	0.00021
Copper [mg/L]	0.00027	0.00036	0.00038	0.00029	0.00021	0.00042	0.00036	0.00021	0.00042	0.00025
Iron [mg/L]	0.441	0.276	0.045	0.034	0.089	0.298	0.231	0.457	0.111	0.008
Potassium [mg/L]	15.2	9.07	8.91	12.6	29.9	16.6	15.2	23.6	17.6	21.5
Lithium [mg/L]	0.0028	0.0009	0.0015	0.0004	< 0.0001	0.0004	0.0009	0.0018	0.0009	0.0004
Magnesium [mg/L]	0.227	0.642	0.302	0.253	0.242	0.218	0.359	0.236	0.362	0.646
Manganese [mg/L]	0.00522	0.00302	0.00075	0.00047	0.00199	0.00402	0.00310	0.00518	0.00161	0.00052
Molybdenum [mg/L]	0.0106	0.0137	0.00076	0.00234	0.00041	0.00064	0.00979	0.0196	0.00661	0.00047
Sodium [mg/L]	3.87	3.69	7.23	4.92	3.21	11.0	5.80	4.51	7.14	1.94
Nickel [mg/L]	0.0003	0.0003	0.0005	< 0.0001	0.0008	0.0006	0.0002	0.0006	0.0008	0.0003
Phosphorus [mg/L]	0.172	0.034	0.007	0.030	0.023	0.053	0.082	0.115	0.036	< 0.003
Lead [mg/L]	0.00032	0.00020	0.00019	0.00004	0.00004	0.00026	0.00010	0.00018	0.00014	< 0.00001
Antimony [mg/L]	0.0016	0.0014	0.0018	0.0026	0.0031	0.0046	0.0027	0.0039	0.0030	0.0138

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

SGS Canada Inc.
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SFE -24hr 4:1 L/S ratio

LR Report : **CA15006-JUL17**

Analysis	14: AMQ-ENV17-23	15: AMQ-ENV17-24	16: AMQ-ENV17-25	17: AMQ-ENV17-26	18: AMQ-ENV17-27	19: AMQ-ENV17-28	20: AMQ-ENV17-29	21: AMQ-ENV17-30	22: AMQ-ENV17-31	23: AMQ-ENV17-32
Selenium [mg/L]	0.00018	0.00033	0.00020	0.00011	0.00019	0.00036	0.00022	0.00018	0.00019	0.00006
Silicon [mg/L]	4.07	1.96	4.49	2.62	12.0	5.42	2.90	4.05	3.95	3.62
Tin [mg/L]	0.00011	0.00016	0.00015	0.00013	0.00008	0.00019	0.00009	0.00014	0.00021	0.00007
Strontium [mg/L]	0.00175	0.00950	0.0235	0.0126	0.0488	0.0225	0.00855	0.00466	0.0121	0.0217
Titanium [mg/L]	0.0347	0.0235	0.00284	0.00295	0.00407	0.0156	0.0211	0.0266	0.00766	0.00035
Thallium [mg/L]	0.000009	0.000006	< 0.000005	< 0.000005	0.000006	< 0.000005	0.000005	0.000007	0.000009	0.000005
Uranium [mg/L]	0.000570	0.000255	0.00143	0.000466	0.000038	0.000279	0.000753	0.00170	0.00174	0.000017
Vanadium [mg/L]	0.0219	0.00571	0.00959	0.0117	0.0265	0.0258	0.0141	0.0258	0.0155	0.0247
Zinc [mg/L]	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	24: AMQ-ENV17-33	25: AMQ-ENV17-34	26: AMQ-ENV17-35	27: AMQ-ENV17-36	28: AMQ-ENV17-37	29: AMQ-ENV17-38	30: AMQ-ENV17-39	31: AMQ-ENV17-40	32: AMQ-ENV17-41	33: AMQ-ENV17-42
Sample Date & Time	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17
Sample weight [g]	200	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800	800	800
Final pH	9.67	9.03	10.09	9.50	9.34	9.69	10.16	9.20	9.79	9.73
pH [no unit]	9.05	8.27	9.68	8.41	9.10	9.10	9.83	8.48	9.25	8.94
Alkalinity [mg/L as CaCO3]	29	48	34	32	78	40	45	48	29	34
Conductivity [uS/cm]	72	117	86	90	200	111	108	245	79	88
Fluoride [mg/L]	0.08	0.11	0.09	0.14	0.09	0.06	0.13	0.11	0.11	0.14
Chloride [mg/L]	3	5	5	6	7	4	2	41	4	3
Sulphate [mg/L]	< 2	< 2	< 2	< 2	3	< 2	< 2	14	< 2	< 2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	< 0.2	< 0.2	< 0.2	< 0.2	1.4	0.5	0.9	< 0.2	< 0.2	< 0.2
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	0.93	0.12	0.09	< 0.03	< 0.03	< 0.03
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	1.00	0.580	1.17	0.838	0.012	0.028	0.284	0.206	0.478	0.722
Arsenic [mg/L]	0.0385	0.498	0.0501	0.0312	3.64	0.934	0.0117	0.0080	0.0385	0.0175
Barium [mg/L]	0.00132	0.00182	0.00422	0.00203	0.116	0.0258	0.0166	0.00338	0.00139	0.00321
Boron [mg/L]	0.016	0.013	0.030	0.015	0.016	0.016	0.010	0.015	0.020	0.028
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007

OnLine LIMS

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SFE -24hr 4:1 L/S ratio

LR Report : **CA15006-JUL17**

Analysis	24: AMQ-ENV17-33	25: AMQ-ENV17-34	26: AMQ-ENV17-35	27: AMQ-ENV17-36	28: AMQ-ENV17-37	29: AMQ-ENV17-38	30: AMQ-ENV17-39	31: AMQ-ENV17-40	32: AMQ-ENV17-41	33: AMQ-ENV17-42
Bismuth [mg/L]	< 0.000007	< 0.000007	0.000007	0.000011	< 0.000007	< 0.000007	< 0.000007	0.000012	< 0.000007	< 0.000007
Calcium [mg/L]	4.19	9.21	2.96	4.74	10.4	3.96	3.03	7.66	4.14	3.36
Cadmium [mg/L]	< 0.000003	< 0.000003	0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003	0.000004	0.000006	< 0.000003
Cobalt [mg/L]	0.000007	0.000072	0.000148	0.000019	0.000140	0.000026	0.000183	0.000013	0.000043	0.000009
Chromium [mg/L]	0.00008	0.00028	0.00070	0.00021	0.00176	0.00067	0.00588	0.00013	0.00017	0.00010
Copper [mg/L]	0.00017	0.00027	0.00045	0.00015	0.00019	0.00012	0.00055	0.00023	0.00018	0.00024
Iron [mg/L]	< 0.007	< 0.007	0.417	0.007	< 0.007	< 0.007	0.267	0.008	< 0.007	< 0.007
Potassium [mg/L]	9.76	11.4	18.4	14.0	39.6	26.6	26.2	51.6	14.1	19.0
Lithium [mg/L]	0.0002	0.0007	0.0008	0.0004	0.0013	< 0.0001	0.0003	0.0024	0.0003	0.0002
Magnesium [mg/L]	0.367	1.89	0.277	0.543	5.61	1.08	0.502	1.63	0.436	0.383
Manganese [mg/L]	0.00028	0.00299	0.01363	0.00061	0.00051	0.00017	0.00426	0.00517	0.00025	0.00021
Molybdenum [mg/L]	0.00019	0.00019	0.00008	0.00027	0.00052	0.00009	0.00044	0.00047	0.00017	0.00024
Sodium [mg/L]	3.80	6.17	4.95	4.38	1.38	1.54	5.90	5.81	2.80	3.37
Nickel [mg/L]	< 0.0001	0.0012	0.0003	< 0.0001	0.0035	0.0005	0.0019	0.0003	0.0001	0.0002
Phosphorus [mg/L]	< 0.003	0.004	0.007	< 0.003	0.008	< 0.003	0.040	0.004	< 0.003	< 0.003
Lead [mg/L]	0.00001	0.00001	0.00005	0.00001	0.00002	< 0.00001	0.00018	0.00001	0.00004	0.00002
Antimony [mg/L]	0.0044	0.0072	0.0047	0.0043	0.0176	0.0157	0.0031	0.0039	0.0069	0.0047
Selenium [mg/L]	0.00005	< 0.00004	0.00013	0.00006	0.00019	0.00011	0.00028	0.00009	0.00013	0.00013
Silicon [mg/L]	1.94	1.57	5.30	1.75	4.96	6.83	14.7	2.36	3.97	2.36
Tin [mg/L]	0.00004	0.00015	0.00014	0.00014	0.00007	0.00005	0.00011	0.00011	0.00005	0.00007
Strontium [mg/L]	0.0182	0.0596	0.0116	0.0143	0.172	0.0981	0.0291	0.0358	0.00691	0.0230
Titanium [mg/L]	0.00007	0.00006	0.0172	0.00050	0.00013	0.00018	0.0122	0.00021	0.00023	0.00017
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000066	0.000021	0.000007	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000006	0.000006	0.000012	0.000005	0.000026	< 0.000002	0.000043	0.000042	0.000004	< 0.000002
Vanadium [mg/L]	0.00923	0.00485	0.0403	0.00609	0.00586	0.0102	0.0273	0.00071	0.0225	0.0126
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	34: AMQ-ENV17-43	35: AMQ-ENV17-44	36: AMQ-ENV17-45	37: AMQ-ENV17-46	38: AMQ-ENV17-47	39: AMQ-ENV17-48	40: AMQ-ENV17-49	41: AMQ-ENV17-50	42: AMQ-ENV17-51	43: AMQ-ENV17-52
Sample Date & Time	15-Jun-17	15-Jun-17	15-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17
Sample weight [g]	200	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800	800	800
Final pH	9.74	9.37	10.07	9.75	9.55	10.18	9.82	10.30	10.26	10.30
pH [no unit]	9.48	9.15	9.80	9.48	9.33	8.79	9.25	10.1	9.89	9.94

OnLine LIMS

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SFE -24hr 4:1 L/S ratio

LR Report : **CA15006-JUL17**

Analysis	34: AMQ-ENV17-43	35: AMQ-ENV17-44	36: AMQ-ENV17-45	37: AMQ-ENV17-46	38: AMQ-ENV17-47	39: AMQ-ENV17-48	40: AMQ-ENV17-49	41: AMQ-ENV17-50	42: AMQ-ENV17-51	43: AMQ-ENV17-52
Alkalinity [mg/L as CaCO3]	52	59	29	50	66	42	37	49	47	46
Conductivity [uS/cm]	141	142	68	120	154	94	92	118	114	113
Fluoride [mg/L]	0.10	< 0.06	0.10	< 0.06	0.07	0.12	0.13	0.16	0.15	0.20
Chloride [mg/L]	5	4	4	2	4	1	4	2	2	2
Sulphate [mg/L]	< 2	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	0.7	0.6	0.4	< 0.2	< 0.2	0.8	< 0.2	1.2	1.5	1.1
Phosphorus (total reactive) [mg/L]	0.40	0.25	0.09	< 0.03	0.04	0.04	< 0.03	0.10	0.10	0.11
Mercury [mg/L]	< 0.00001	< 0.00001	0.00001	0.00001	< 0.00001	< 0.00001	0.00001	0.00003	0.00002	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	0.038	0.022	0.388	0.042	0.010	0.287	1.26	0.164	0.256	0.192
Arsenic [mg/L]	1.90	1.58	0.220	0.0034	0.212	0.0038	0.0609	0.0021	0.0243	0.0170
Barium [mg/L]	0.0270	0.0507	0.00075	0.0346	0.102	0.0132	0.00540	0.0392	0.0438	0.0134
Boron [mg/L]	0.019	0.014	0.021	0.023	0.016	0.022	0.024	0.028	0.026	0.039
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	2.91	10.1	5.54	3.20	6.64	2.34	2.43	3.72	3.77	4.72
Cadmium [mg/L]	< 0.000003	< 0.000003	0.000007	0.000007	< 0.000003	< 0.000003	0.000006	0.000012	0.000008	0.000003
Cobalt [mg/L]	0.000050	0.000061	0.000018	< 0.000004	0.000036	0.000018	0.000051	0.000095	0.000268	0.000108
Chromium [mg/L]	0.00213	0.00078	0.00051	0.00013	0.00017	0.00134	0.00076	0.00426	0.00864	0.00391
Copper [mg/L]	0.00030	0.00025	0.00021	0.00008	0.00020	0.00021	0.00026	0.00039	0.00058	0.00018
Iron [mg/L]	0.039	< 0.007	0.009	< 0.007	< 0.007	0.027	0.147	0.148	0.371	0.155
Potassium [mg/L]	43.8	23.1	6.31	30.4	30.6	18.5	18.7	23.8	23.8	18.2
Lithium [mg/L]	0.0001	0.0004	0.0011	0.0002	0.0019	< 0.0001	0.0005	0.0001	0.0002	0.0001
Magnesium [mg/L]	0.751	4.06	0.565	0.969	4.90	0.157	0.245	0.336	0.618	0.361
Manganese [mg/L]	0.00037	0.00040	0.00023	0.00002	0.00054	0.00045	0.00199	0.00257	0.00556	0.00293
Molybdenum [mg/L]	0.00011	0.00028	0.00037	0.00015	0.00017	0.00029	0.00041	0.00019	0.00011	0.00034
Sodium [mg/L]	1.52	1.30	3.95	1.83	1.17	6.78	7.14	6.85	5.73	7.03
Nickel [mg/L]	0.0007	0.0013	0.0002	0.0011	0.0003	0.0002	0.0002	0.0009	0.0020	0.0008
Phosphorus [mg/L]	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.012	0.016	0.019	0.031	0.029
Lead [mg/L]	0.00002	0.00002	0.00018	0.00004	0.00007	0.00006	0.00016	0.00016	0.00009	0.00009
Antimony [mg/L]	0.0323	0.0165	0.0099	0.0046	0.0031	0.0021	0.0035	0.0016	0.0029	0.0019
Selenium [mg/L]	0.00010	0.00009	0.00015	< 0.00004	< 0.00004	0.00010	0.00036	0.00031	0.00021	0.00021
Silicon [mg/L]	6.00	5.16	7.71	3.85	4.35	8.18	3.87	15.4	14.8	15.5

OnLine LIMS

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Analysis	34: AMQ-ENV17-43	35: AMQ-ENV17-44	36: AMQ-ENV17-45	37: AMQ-ENV17-46	38: AMQ-ENV17-47	39: AMQ-ENV17-48	40: AMQ-ENV17-49	41: AMQ-ENV17-50	42: AMQ-ENV17-51	43: AMQ-ENV17-52
Tin [mg/L]	0.00006	0.00008	0.00002	< 0.00001	0.00005	< 0.00001	< 0.00001	0.00001	0.00010	0.00004
Strontium [mg/L]	0.0587	0.0642	0.0140	0.0445	0.149	0.0527	0.0202	0.0802	0.0543	0.0877
Titanium [mg/L]	0.00075	0.00018	0.00039	0.00007	< 0.00005	0.00140	0.00823	0.00650	0.0178	0.00563
Thallium [mg/L]	0.000017	0.000036	0.000025	0.000022	0.000043	0.000010	0.000005	< 0.000005	0.000007	0.000007
Uranium [mg/L]	0.000002	0.000018	0.000005	< 0.000002	0.000003	0.000040	0.000779	0.000036	0.000018	0.000015
Vanadium [mg/L]	0.0120	0.00526	0.0356	0.00348	0.00178	0.0237	0.0182	0.0242	0.0322	0.0251
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	44: AMQ-ENV17-53	45: AMQ-ENV17-54	46: AMQ-ENV17-55	47: AMQ-ENV17-56	48: AMQ-ENV17-57	49: AMQ-ENV17-58	50: AMQ-ENV17-59	51: AMQ-ENV17-60	52: AMQ-ENV17-61	53: AMQ-ENV17-62
Sample Date & Time	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17
Sample weight [g]	200	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800	800	800
Final pH	9.94	10.20	10.28	9.30	10.30	10.26	9.97	10.15	10.22	10.29
pH [no unit]	8.99	9.64	9.77	8.05	9.88	9.75	9.54	9.74	9.52	9.70
Alkalinity [mg/L as CaCO3]	40	41	46	35	48	45	44	42	44	41
Conductivity [uS/cm]	102	103	107	120	122	108	116	103	103	97
Fluoride [mg/L]	0.13	0.24	0.22	0.12	0.15	0.16	0.15	0.19	0.32	0.23
Chloride [mg/L]	3	2	1	15	< 1	2	4	1	1	1
Sulphate [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	0.2	0.9	1.0	< 0.2	0.4	1.7	1.0	0.8	1.0	0.9
Phosphorus (total reactive) [mg/L]	< 0.03	0.05	0.06	< 0.03	0.04	0.08	0.37	0.04	0.09	0.09
Mercury [mg/L]	< 0.00001	0.00001	0.00002	0.00003	0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	0.825	0.179	0.188	0.528	0.206	0.276	0.080	0.435	0.344	0.112
Arsenic [mg/L]	0.0044	0.0009	0.0028	0.101	0.0021	0.0019	1.01	0.0045	0.0230	0.0033
Barium [mg/L]	0.0111	0.0209	0.0164	0.0024	0.0334	0.0268	0.0174	0.0145	0.0149	0.0172
Boron [mg/L]	0.043	0.043	0.045	0.036	0.028	0.032	0.041	0.058	0.045	0.051
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	0.000012	< 0.000007	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	2.61	2.77	2.61	7.63	2.37	3.00	3.05	2.41	3.34	4.01

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Analysis	44: AMQ-ENV17-53	45: AMQ-ENV17-54	46: AMQ-ENV17-55	47: AMQ-ENV17-56	48: AMQ-ENV17-57	49: AMQ-ENV17-58	50: AMQ-ENV17-59	51: AMQ-ENV17-60	52: AMQ-ENV17-61	53: AMQ-ENV17-62
Cadmium [mg/L]	0.000008	0.000005	0.000007	0.000008	< 0.000003	0.000008	< 0.000003	0.000006	0.000003	0.000003
Cobalt [mg/L]	0.000015	0.000063	0.000045	0.000025	< 0.000004	0.000209	0.000017	0.000113	0.000149	0.000027
Chromium [mg/L]	0.00033	0.00249	0.00191	0.00003	0.00046	0.00888	0.00116	0.00395	0.00557	0.00158
Copper [mg/L]	0.00019	0.00017	0.00047	0.00013	0.00015	0.00065	0.00016	0.00026	0.00048	0.00032
Iron [mg/L]	0.040	0.088	0.063	< 0.007	< 0.007	0.306	0.008	0.200	0.267	0.040
Potassium [mg/L]	17.1	24.7	22.9	13.7	26.1	27.0	28.7	22.4	21.1	21.1
Lithium [mg/L]	0.0001	0.0001	< 0.0001	0.0013	< 0.0001	0.0002	0.0001	0.0002	0.0002	< 0.0001
Magnesium [mg/L]	0.172	0.230	0.190	0.728	0.130	0.454	0.370	0.287	0.423	0.231
Manganese [mg/L]	0.00075	0.00175	0.00109	0.00194	0.00005	0.00445	0.00010	0.00389	0.00504	0.00092
Molybdenum [mg/L]	0.00172	0.00015	0.00029	0.00166	0.00021	0.00013	0.00034	0.00034	0.00029	0.00018
Sodium [mg/L]	9.41	3.11	6.34	7.77	4.40	4.12	3.76	5.39	6.01	3.91
Nickel [mg/L]	0.0002	0.0005	0.0003	0.0003	< 0.0001	0.0019	0.0015	0.0010	0.0015	0.0002
Phosphorus [mg/L]	0.007	0.021	0.011	< 0.003	< 0.003	0.026	0.010	0.017	0.049	0.010
Lead [mg/L]	0.00009	0.00008	0.00009	0.00003	0.00003	0.00011	0.00007	0.00011	0.00008	0.00006
Antimony [mg/L]	0.0046	0.0018	0.0027	0.0094	0.0021	0.0018	0.0077	0.0037	0.0031	0.0028
Selenium [mg/L]	0.00024	0.00009	0.00015	0.00007	0.00013	0.00009	0.00007	0.00027	0.00026	0.00008
Silicon [mg/L]	3.34	8.20	10.9	2.01	8.55	12.4	9.48	7.53	12.1	12.6
Tin [mg/L]	0.00001	0.00005	0.00005	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001
Strontium [mg/L]	0.0531	0.0491	0.0518	0.0462	0.0691	0.0458	0.0484	0.0371	0.0482	0.0849
Titanium [mg/L]	0.00094	0.00364	0.00247	0.00009	0.00011	0.0149	0.00056	0.0103	0.0122	0.00185
Thallium [mg/L]	< 0.000005	0.000005	< 0.000005	< 0.000005	< 0.000005	0.000007	0.000012	0.000010	0.000007	< 0.000005
Uranium [mg/L]	0.000086	0.000004	0.000004	0.000037	0.000004	0.000005	0.000011	0.000034	0.000024	0.000010
Vanadium [mg/L]	0.0180	0.0203	0.0269	0.00086	0.0164	0.0287	0.0186	0.0246	0.0306	0.0214
Zinc [mg/L]	0.033	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	54: AMQ-ENV17-63	55: AMQ-ENV17-77	56: AMQ-ENV17-78	57: AMQ-ENV17-79	58: AMQ-ENV17-80
Sample Date & Time	16-Jun-17	18-Jun-17	18-Jun-17	18-Jun-17	18-Jun-17
Sample weight [g]	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800
Final pH	10.14	9.34	9.88	9.54	10.09
pH [no unit]	9.69	8.63	9.12	8.12	9.67
Alkalinity [mg/L as CaCO3]	51	42	25	31	42
Conductivity [uS/cm]	122	100	62	88	142

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Analysis	54: AMQ-ENV17-63	55: AMQ-ENV17-77	56: AMQ-ENV17-78	57: AMQ-ENV17-79	58: AMQ-ENV17-80
Fluoride [mg/L]	0.10	< 0.06	0.15	0.12	1.38
Chloride [mg/L]	1	4	4	5	3
Sulphate [mg/L]	< 2	< 2	< 2	4	11
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	0.7	0.5	< 0.2	< 0.2	0.3
Phosphorus (total reactive) [mg/L]	0.05	0.38	< 0.03	< 0.03	0.09
Mercury [mg/L]	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	0.078	0.019	0.399	0.374	0.284
Arsenic [mg/L]	0.0011	1.73	0.0465	0.0080	0.0026
Barium [mg/L]	0.0259	0.00340	0.00190	0.00554	0.340
Boron [mg/L]	0.128	0.017	0.033	0.017	0.025
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000009	< 0.000007
Calcium [mg/L]	2.24	10.4	5.26	5.09	3.47
Cadmium [mg/L]	0.000005	0.000003	0.000004	0.000011	0.000005
Cobalt [mg/L]	0.000125	0.000040	0.000027	0.000036	0.000006
Chromium [mg/L]	0.00407	0.00055	0.00049	0.00013	0.00034
Copper [mg/L]	0.00066	0.00011	0.00026	0.00019	0.00015
Iron [mg/L]	0.119	< 0.007	0.029	< 0.007	0.012
Potassium [mg/L]	31.5	3.24	5.79	14.1	30.4
Lithium [mg/L]	0.0001	< 0.0001	0.0001	0.0002	0.0064
Magnesium [mg/L]	0.497	4.87	0.509	0.884	0.293
Manganese [mg/L]	0.00223	0.00012	0.00105	0.00101	0.00019
Molybdenum [mg/L]	0.00017	0.00013	0.00007	0.00015	0.00108
Sodium [mg/L]	3.97	0.24	2.89	3.41	5.09
Nickel [mg/L]	0.0025	0.0020	0.0001	0.0003	< 0.0001
Phosphorus [mg/L]	0.006	< 0.003	< 0.003	< 0.003	0.048
Lead [mg/L]	0.00007	0.00004	0.00010	0.00011	0.00010
Antimony [mg/L]	0.0042	0.0635	0.0050	0.0065	0.0009
Selenium [mg/L]	< 0.00004	0.00006	0.00011	0.00009	0.00109
Silicon [mg/L]	10.9	4.87	4.72	2.46	7.52
Tin [mg/L]	< 0.00001	< 0.00001	0.00004	0.00004	0.00010
Strontium [mg/L]	0.0614	0.0579	0.0169	0.0248	0.721

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Analysis	54: AMQ-ENV17-63	55: AMQ-ENV17-77	56: AMQ-ENV17-78	57: AMQ-ENV17-79	58: AMQ-ENV17-80
Titanium [mg/L]	0.00343	0.00009	0.00072	0.00022	0.00099
Thallium [mg/L]	0.000025	0.000018	0.000005	0.000005	0.000021
Uranium [mg/L]	0.000006	0.000002	0.000006	0.000003	0.000021
Vanadium [mg/L]	0.0147	0.00583	0.0191	0.00472	0.0288
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

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22-August-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 05 July 2017
LR Report: **CA15007-JUL17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV17-14	6: AMQ-ENV17-15	7: AMQ-ENV17-16	8: AMQ-ENV17-17	9: AMQ-ENV17-18	10: AMQ-ENV17-19	11: AMQ-ENV17-20	12: AMQ-ENV17-21
Sample Date & Time			13-Jun-17	13-Jun-17	13-Jun-17	13-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17
Fluoride [µg/g]	19-Jul-17	11:43	82	274	259	262	234	228	144	215
Mercury [ug/g]	19-Jul-17	10:57	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	18-Jul-17	16:32	23000	32000	26000	32000	24000	16000	30000	18000
Silver [µg/g]	19-Jul-17	07:38	0.27	0.14	0.08	0.10	0.11	0.12	0.12	0.24
Arsenic [µg/g]	19-Jul-17	07:38	880	23	19	16	7.4	30	210	31
Boron [µg/g]	19-Jul-17	07:38	2	2	2	2	8	4	2	2
Barium [µg/g]	19-Jul-17	07:38	140	380	98	290	160	91	240	49
Beryllium [µg/g]	19-Jul-17	07:38	0.16	0.69	0.30	0.59	0.50	0.24	0.59	0.58
Bismuth [µg/g]	19-Jul-17	07:38	0.11	0.13	0.12	0.11	0.15	0.24	0.22	0.13
Calcium [µg/g]	18-Jul-17	16:32	17000	15000	16000	17000	16000	6300	13000	15000
Cadmium [µg/g]	19-Jul-17	07:38	0.05	0.12	0.07	0.19	0.05	0.07	0.03	0.06
Cobalt [µg/g]	19-Jul-17	07:38	80	31	19	27	17	12	52	5.4
Chromium [µg/g]	19-Jul-17	07:38	980	780	73	540	240	53	1300	42
Copper [µg/g]	19-Jul-17	07:38	46	70	22	47	28	22	52	13
Iron [µg/g]	18-Jul-17	16:32	70000	47000	54000	49000	35000	31000	38000	89000
Potassium [µg/g]	18-Jul-17	16:32	14000	17000	6900	16000	13000	9900	16000	9300

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LR Report : **CA15007-JUL17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV17-14	6: AMQ-ENV17-15	7: AMQ-ENV17-16	8: AMQ-ENV17-17	9: AMQ-ENV17-18	10: AMQ-ENV17-19	11: AMQ-ENV17-20	12: AMQ-ENV17-21
Lithium [µg/g]	19-Jul-17	07:39	18	30	22	24	29	13	25	13
Magnesium [µg/g]	18-Jul-17	16:32	14000	39000	17000	33000	23000	8500	45000	8800
Manganese [µg/g]	19-Jul-17	07:39	1700	640	550	610	500	470	490	1500
Molybdenum [µg/g]	19-Jul-17	07:39	0.3	24	1.4	2.6	0.8	2.8	0.5	0.9
Sodium [µg/g]	18-Jul-17	16:33	270	110	220	160	240	240	73	430
Nickel [µg/g]	19-Jul-17	07:39	580	210	23	150	86	26	410	11
Phosphorus [µg/g]	18-Jul-17	16:33	170	880	1200	820	820	680	710	730
Lead [µg/g]	19-Jul-17	07:39	2.3	12	9.9	25	14	15	9.3	4.1
Antimony [µg/g]	19-Jul-17	07:39	2.6	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	0.8
Selenium [µg/g]	19-Jul-17	07:39	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	18-Jul-17	16:33	3500	2200	3800	2500	2500	2600	4000	2800
Tin [µg/g]	19-Jul-17	07:39	< 0.5	0.6	0.6	0.7	0.7	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	19-Jul-17	07:39	22	74	26	66	51	26	170	38
Titanium [µg/g]	19-Jul-17	07:39	1600	1800	1300	1800	1600	970	1600	860
Thallium [µg/g]	19-Jul-17	07:39	0.30	0.52	0.21	0.36	0.54	0.62	0.64	0.78
Uranium [µg/g]	19-Jul-17	07:39	0.042	1.3	2.3	1.5	1.8	3.8	0.89	0.31
Vanadium [µg/g]	19-Jul-17	07:39	81	92	75	96	57	27	72	27
Zinc [µg/g]	19-Jul-17	07:39	42	63	70	68	54	59	36	38

Analysis	13: AMQ-ENV17-22	14: AMQ-ENV17-23	15: AMQ-ENV17-24	16: AMQ-ENV17-25	17: AMQ-ENV17-26	18: AMQ-ENV17-27	19: AMQ-ENV17-28	20: AMQ-ENV17-29	21: AMQ-ENV17-30
Sample Date & Time	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17	14-Jun-17
Fluoride [µg/g]	346	286	280	205	267	288	254	271	282
Mercury [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.06
Aluminum [µg/g]	33000	25000	23000	15000	27000	30000	33000	27000	26000
Silver [µg/g]	0.07	0.09	0.08	0.12	0.03	0.08	0.06	0.04	0.07
Arsenic [µg/g]	20	17	13	7.1	12	1.8	13	23	19
Boron [µg/g]	3	5	2	3	3	1	3	2	4
Barium [µg/g]	250	260	87	98	120	660	620	140	250

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LR Report : **CA15007-JUL17**

Analysis	13: AMQ-ENV17-22	14: AMQ-ENV17-23	15: AMQ-ENV17-24	16: AMQ-ENV17-25	17: AMQ-ENV17-26	18: AMQ-ENV17-27	19: AMQ-ENV17-28	20: AMQ-ENV17-29	21: AMQ-ENV17-30
Beryllium [µg/g]	0.45	0.56	0.41	0.20	0.32	0.42	0.42	0.31	0.43
Bismuth [µg/g]	< 0.09	0.14	0.14	0.24	< 0.09	< 0.09	< 0.09	< 0.09	0.13
Calcium [µg/g]	13000	4500	5000	12000	22000	11000	7100	4000	7300
Cadmium [µg/g]	0.09	0.08	0.11	0.06	0.08	0.04	0.07	0.17	0.07
Cobalt [µg/g]	23	17	17	11	17	31	23	21	18
Chromium [µg/g]	81	88	74	66	76	900	200	75	78
Copper [µg/g]	23	18	14	25	14	51	39	7.1	18
Iron [µg/g]	68000	48000	51000	29000	55000	43000	57000	53000	49000
Potassium [µg/g]	16000	17000	5400	9200	10000	21000	20000	9600	18000
Lithium [µg/g]	31	36	23	17	22	26	27	30	28
Magnesium [µg/g]	19000	14000	13000	10000	15000	36000	25000	15000	13000
Manganese [µg/g]	730	500	530	360	560	610	610	500	510
Molybdenum [µg/g]	1.5	2.3	1.5	0.9	1.2	0.2	0.6	2.0	1.8
Sodium [µg/g]	250	240	280	270	250	110	370	250	330
Nickel [µg/g]	26	20	20	30	25	230	82	27	21
Phosphorus [µg/g]	1600	1100	1100	530	1100	1100	790	1200	1100
Lead [µg/g]	7.8	13	13	18	6.1	4.6	12	7.2	14
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	3500	1900	3700	2300	4100	2800	4600	2400	5000
Tin [µg/g]	< 0.5	< 0.5	0.8	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5
Strontium [µg/g]	22	17	20	36	38	94	55	11	23
Titanium [µg/g]	2000	1900	1200	1200	1600	2100	2000	1400	2000
Thallium [µg/g]	0.44	0.54	0.18	0.33	0.32	0.38	0.46	0.37	0.53
Uranium [µg/g]	1.7	2.9	2.7	3.9	1.8	0.30	1.5	3.5	3.0
Vanadium [µg/g]	85	70	65	34	65	91	98	67	65
Zinc [µg/g]	100	81	73	47	73	48	74	71	81

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LR Report : **CA15007-JUL17**

Analysis	22: AMQ-ENV17-31	23: AMQ-ENV17-32	24: AMQ-ENV17-33	25: AMQ-ENV17-34	26: AMQ-ENV17-35	27: AMQ-ENV17-36	28: AMQ-ENV17-37	29: AMQ-ENV17-38	30: AMQ-ENV17-39
Sample Date & Time	14-Jun-17	14-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17
Fluoride [µg/g]	223	106	95	94	122	128	81	24	219
Mercury [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	16000	31000	33000	32000	30000	32000	23000	22000	30000
Silver [µg/g]	0.10	0.19	0.34	0.42	0.18	0.31	0.08	0.13	0.08
Arsenic [µg/g]	20	240	69	240	35	67	520	420	5.6
Boron [µg/g]	4	2	2	2	2	1	1	1	< 1
Barium [µg/g]	75	99	42	40	240	55	150	95	570
Beryllium [µg/g]	0.21	0.27	0.11	0.17	0.20	0.09	0.56	0.13	0.68
Bismuth [µg/g]	0.17	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	8700	30000	48000	51000	7700	35000	43000	29000	6600
Cadmium [µg/g]	0.04	0.12	0.16	0.17	0.03	0.11	0.10	0.10	0.03
Cobalt [µg/g]	14	58	45	58	30	50	56	79	28
Chromium [µg/g]	69	290	180	360	88	240	1200	1300	790
Copper [µg/g]	25	5.7	46	33	28	65	24	39	54
Iron [µg/g]	28000	53000	59000	69000	59000	65000	39000	32000	42000
Potassium [µg/g]	6100	12000	3800	3500	17000	5200	7200	6100	24000
Lithium [µg/g]	16	23	20	19	29	22	19	14	30
Magnesium [µg/g]	11000	30000	25000	23000	19000	22000	53000	36000	35000
Manganese [µg/g]	360	1700	2000	2100	1400	2000	970	660	390
Molybdenum [µg/g]	1.0	0.2	0.3	0.2	0.3	0.3	0.6	0.2	0.5
Sodium [µg/g]	240	120	140	170	230	250	57	73	220
Nickel [µg/g]	42	220	96	210	50	120	440	590	200
Phosphorus [µg/g]	610	260	220	220	280	220	600	96	990
Lead [µg/g]	12	7.6	3.5	2.1	0.79	1.8	1.8	4.9	7.9
Antimony [µg/g]	< 0.8	1.5	0.9	0.9	< 0.8	0.9	0.9	1.9	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	2300	4200	2700	3900	4100	5400	2000	2300	2000
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5
Strontium [µg/g]	29	66	47	100	13	18	330	300	31
Titanium [µg/g]	950	1900	1100	600	2200	1300	720	710	2100

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LR Report : **CA15007-JUL17**

Analysis	22: AMQ-ENV17-31	23: AMQ-ENV17-32	24: AMQ-ENV17-33	25: AMQ-ENV17-34	26: AMQ-ENV17-35	27: AMQ-ENV17-36	28: AMQ-ENV17-37	29: AMQ-ENV17-38	30: AMQ-ENV17-39
Thallium [µg/g]	0.26	0.24	0.10	0.09	0.35	0.15	0.22	0.22	0.43
Uranium [µg/g]	2.1	0.038	0.035	0.025	0.042	0.033	0.45	0.014	1.3
Vanadium [µg/g]	31	160	160	180	100	150	68	90	100
Zinc [µg/g]	51	65	77	84	54	70	26	27	45

Analysis	31: AMQ-ENV17-40	32: AMQ-ENV17-41	33: AMQ-ENV17-42	34: AMQ-ENV17-43	35: AMQ-ENV17-44	36: AMQ-ENV17-45	37: AMQ-ENV17-46	38: AMQ-ENV17-47	39: AMQ-ENV17-48
Sample Date & Time	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17
Fluoride [µg/g]	99	132	111	77	96	65	13	62	212
Mercury [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	28000	25000	38000	31000	20000	7800	32000	20000	32000
Silver [µg/g]	0.66	0.15	0.30	0.27	0.11	0.77	0.10	0.06	0.06
Arsenic [µg/g]	67	75	36	860	370	96	11	110	3.5
Boron [µg/g]	3	3	1	1	1	2	1	< 1	1
Barium [µg/g]	85	85	63	110	100	17	98	200	410
Beryllium [µg/g]	0.34	0.14	0.13	0.48	0.28	0.04	0.09	0.36	0.59
Bismuth [µg/g]	0.13	< 0.09	< 0.09	0.11	0.10	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	29000	20000	29000	30000	31000	19000	27000	41000	17000
Cadmium [µg/g]	0.31	0.06	0.12	0.07	0.12	0.12	0.05	0.07	0.05
Cobalt [µg/g]	19	41	40	73	66	38	44	43	28
Chromium [µg/g]	86	85	65	1500	980	120	1300	1200	790
Copper [µg/g]	96	47	46	24	36	120	33	18	49
Iron [µg/g]	130000	46000	65000	44000	32000	10000	47000	37000	44000
Potassium [µg/g]	11000	9700	7400	12000	6100	1700	6200	8500	18000
Lithium [µg/g]	26	27	23	16	13	7	16	17	23
Magnesium [µg/g]	18000	19000	33000	52000	44000	5800	56000	48000	38000
Manganese [µg/g]	3800	1200	1100	690	960	390	900	1100	500
Molybdenum [µg/g]	1.4	0.3	0.2	0.1	0.2	0.5	0.2	0.3	0.3
Sodium [µg/g]	200	140	150	86	110	390	75	84	290

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LR Report : **CA15007-JUL17**

Analysis	31: AMQ-ENV17-40	32: AMQ-ENV17-41	33: AMQ-ENV17-42	34: AMQ-ENV17-43	35: AMQ-ENV17-44	36: AMQ-ENV17-45	37: AMQ-ENV17-46	38: AMQ-ENV17-47	39: AMQ-ENV17-48
Nickel [µg/g]	31	79	46	650	490	87	410	280	180
Phosphorus [µg/g]	320	250	240	53	74	230	120	490	870
Lead [µg/g]	3.2	1.5	2.8	7.3	3.6	1.4	1.5	2.9	5.4
Antimony [µg/g]	< 0.8	1.0	< 0.8	4.3	1.4	1.2	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	6600	1700	4100	3600	2000	3200	3300	1600	3800
Tin [µg/g]	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5
Strontium [µg/g]	52	11	42	190	170	13	160	360	85
Titanium [µg/g]	980	1500	1600	810	720	870	690	980	1900
Thallium [µg/g]	0.23	0.32	0.16	0.28	0.20	0.03	0.20	0.33	0.35
Uranium [µg/g]	0.25	0.038	0.023	0.005	0.48	0.032	0.005	0.45	1.1
Vanadium [µg/g]	65	120	190	120	77	35	120	70	100
Zinc [µg/g]	200	74	59	30	23	19	30	25	48

Analysis	40: AMQ-ENV17-49	41: AMQ-ENV17-50	42: AMQ-ENV17-51	43: AMQ-ENV17-52	44: AMQ-ENV17-53	45: AMQ-ENV17-54	46: AMQ-ENV17-55	47: AMQ-ENV17-56	48: AMQ-ENV17-57
Sample Date & Time	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17
Fluoride [µg/g]	203	244	220	341	127	279	376	124	278
Mercury [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	22000	34000	24000	27000	31000	36000	34000	13000	35000
Silver [µg/g]	0.12	0.06	0.05	0.08	0.06	0.11	0.05	0.59	0.19
Arsenic [µg/g]	24	2.7	16	7.1	5.7	1.3	4.3	420	4.3
Boron [µg/g]	2	< 1	< 1	1	1	< 1	< 1	2	< 1
Barium [µg/g]	190	680	680	360	490	550	510	65	700
Beryllium [µg/g]	0.20	0.29	0.16	0.37	0.32	0.40	0.42	0.48	0.59
Bismuth [µg/g]	0.21	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.28	< 0.09
Calcium [µg/g]	7100	8400	5100	10000	16000	13000	18000	23000	35000
Cadmium [µg/g]	0.08	0.06	0.03	0.05	0.07	0.04	0.06	0.16	0.11
Cobalt [µg/g]	17	32	30	25	24	31	30	7.8	33

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LR Report : **CA15007-JUL17**

Analysis	40: AMQ-ENV17-49	41: AMQ-ENV17-50	42: AMQ-ENV17-51	43: AMQ-ENV17-52	44: AMQ-ENV17-53	45: AMQ-ENV17-54	46: AMQ-ENV17-55	47: AMQ-ENV17-56	48: AMQ-ENV17-57
Chromium [µg/g]	110	1100	710	630	310	910	700	55	780
Copper [µg/g]	37	37	35	51	52	28	45	29	65
Iron [µg/g]	40000	48000	37000	36000	58000	51000	46000	67000	54000
Potassium [µg/g]	14000	18000	15000	18000	13000	18000	18000	6200	21000
Lithium [µg/g]	17	17	15	20	14	23	23	8	21
Magnesium [µg/g]	14000	43000	30000	29000	28000	44000	40000	7100	46000
Manganese [µg/g]	480	390	290	430	590	670	550	1100	870
Molybdenum [µg/g]	1.0	0.2	0.1	0.3	0.9	0.2	0.2	1.7	0.3
Sodium [µg/g]	250	230	300	290	300	170	180	300	160
Nickel [µg/g]	54	240	190	180	100	240	200	27	200
Phosphorus [µg/g]	530	1000	1100	1300	860	1100	1400	300	1200
Lead [µg/g]	15	7.3	1.0	3.9	5.8	1.5	4.0	4.7	4.5
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1.0	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	0.8	< 0.7
Silicon [µg/g]	2700	6300	3200	4100	4700	5400	5300	3100	3300
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6
Strontium [µg/g]	37	86	47	49	79	100	120	84	270
Titanium [µg/g]	1400	2000	1900	1600	1700	1900	1900	580	2300
Thallium [µg/g]	0.46	0.25	0.27	0.38	0.29	0.28	0.32	0.36	0.35
Uranium [µg/g]	3.3	0.47	0.13	0.49	1.1	0.35	0.25	0.34	0.36
Vanadium [µg/g]	47	95	82	74	110	88	91	20	120
Zinc [µg/g]	54	49	38	42	66	52	52	50	54

Analysis	49: AMQ-ENV17-58	50: AMQ-ENV17-59	51: AMQ-ENV17-60	52: AMQ-ENV17-61	53: AMQ-ENV17-62	54: AMQ-ENV17-63	55: AMQ-ENV17-77	56: AMQ-ENV17-78	57: AMQ-ENV17-79
Sample Date & Time	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	18-Jun-17	18-Jun-17	18-Jun-17
Fluoride [µg/g]	232	222	266	443	305	105	16	90	72
Mercury [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	31000	28000	32000	31000	32000	21000	18000	18000	27000

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LR Report : **CA15007-JUL17**

Analysis	49: AMQ-ENV17-58	50: AMQ-ENV17-59	51: AMQ-ENV17-60	52: AMQ-ENV17-61	53: AMQ-ENV17-62	54: AMQ-ENV17-63	55: AMQ-ENV17-77	56: AMQ-ENV17-78	57: AMQ-ENV17-79
Silver [µg/g]	0.06	0.11	0.07	0.11	0.07	0.01	0.07	0.18	0.17
Arsenic [µg/g]	2.1	200	3.2	21	3.3	0.7	1000	47	53
Boron [µg/g]	< 1	1	1	< 1	< 1	2	1	8	1
Barium [µg/g]	580	290	530	440	350	150	3.7	32	17
Beryllium [µg/g]	0.25	0.56	0.43	0.42	0.31	0.36	0.19	0.06	0.11
Bismuth [µg/g]	< 0.09	0.11	< 0.09	0.10	< 0.09	< 0.09	0.09	< 0.09	< 0.09
Calcium [µg/g]	5100	22000	15000	11000	14000	13000	21000	16000	44000
Cadmium [µg/g]	0.03	0.11	0.08	0.10	0.05	< 0.02	0.08	0.08	0.10
Cobalt [µg/g]	30	42	27	32	30	25	97	50	48
Chromium [µg/g]	950	890	520	630	880	980	1100	310	680
Copper [µg/g]	35	22	47	57	36	6.4	21	97	51
Iron [µg/g]	44000	40000	49000	42000	43000	31000	29000	39000	64000
Potassium [µg/g]	17000	15000	19000	19000	14000	5300	230	1500	2600
Lithium [µg/g]	18	15	22	26	22	12	< 2	13	11
Magnesium [µg/g]	38000	40000	32000	34000	37000	37000	44000	12000	22000
Manganese [µg/g]	380	570	660	530	690	440	760	1200	2600
Molybdenum [µg/g]	0.1	0.8	0.4	0.3	0.2	< 0.1	< 0.1	0.3	0.2
Sodium [µg/g]	210	300	300	200	150	94	170	300	370
Nickel [µg/g]	250	270	150	190	230	280	710	140	140
Phosphorus [µg/g]	890	950	890	1700	1100	620	86	260	160
Lead [µg/g]	11	9.1	7.7	7.5	3.0	1.4	1.2	0.89	2.6
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	12	0.8	1.1
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	5800	3700	5400	3400	4100	1200	1200	3000	4700
Tin [µg/g]	< 0.5	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	48	150	79	56	110	190	170	10	50
Titanium [µg/g]	1800	1500	1900	1700	1600	480	81	1100	890
Thallium [µg/g]	0.25	0.33	0.37	0.38	0.24	0.16	< 0.02	0.05	0.08
Uranium [µg/g]	0.18	1.4	0.91	0.44	0.45	0.96	0.016	0.032	0.036
Vanadium [µg/g]	88	78	93	90	78	48	70	63	120
Zinc [µg/g]	46	40	61	55	49	23	24	41	51

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LR Report : **CA15007-JUL17**

Analysis	**58: AMQ-ENV17-80**
Sample Date & Time	18-Jun-17
Fluoride [µg/g]	490
Mercury [ug/g]	< 0.05
Aluminum [µg/g]	21000
Silver [µg/g]	0.26
Arsenic [µg/g]	4.4
Boron [µg/g]	1
Barium [µg/g]	3400
Beryllium [µg/g]	2.3
Bismuth [µg/g]	0.19
Calcium [µg/g]	37000
Cadmium [µg/g]	0.15
Cobalt [µg/g]	23
Chromium [µg/g]	190
Copper [µg/g]	43
Iron [µg/g]	41000
Potassium [µg/g]	26000
Lithium [µg/g]	41
Magnesium [µg/g]	33000
Manganese [µg/g]	500
Molybdenum [µg/g]	0.4
Sodium [µg/g]	540
Nickel [µg/g]	130
Phosphorus [µg/g]	6000
Lead [µg/g]	46
Antimony [µg/g]	< 0.8
Selenium [µg/g]	< 0.7
Silicon [µg/g]	2500
Tin [µg/g]	1.1
Strontium [µg/g]	890
Titanium [µg/g]	4000

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LR Report : **CA15007-JUL17**

Analysis	**58: AMQ-ENV17-80**
Thallium [µg/g]	1.3
Uranium [µg/g]	1.2
Vanadium [µg/g]	92
Zinc [µg/g]	65

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

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Project : PO#OL-495589

25-October-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac
Rouyn-Noranda, Quebec
J0Y 1C0,

Phone: (819) 759-3700
Fax:(819) 759-3663

Date Rec. : 05 October 2017
LR Report: **CA15110-OCT17**
Reference: Amaruq Project Golder 1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: IF	6: UM	7: Duplicate	8: Whale Tail Lake	9: Field Cell Sand
Sample Date & Time			02-Oct-17 16:30	02-Oct-17 16:00	02-Oct-17 17:00	01-Oct-17 17:30	27-Sep-17
Temperature Upon Receipt [°C]	---	---	16.0	16.0	16.0	16.0	16.0
pH [no unit]	13-Oct-17	11:54	7.47	8.06	7.62	6.84	7.36
Acidity [mg/L as CaCO3]	13-Oct-17	11:54	< 2	< 2	< 2	< 2	< 2
Alkalinity [mg/L as CaCO3]	13-Oct-17	11:54	27	84	32	4	7
Conductivity [uS/cm]	13-Oct-17	11:54	556	333	552	48	55
Sulphate [mg/L]	13-Oct-17	13:36	220	51	220	2	5
Calcium (dissolved) [mg/L]	17-Oct-17	14:26	67.3	22.9	68.2	7.87	6.21
Chloride [mg/L]	13-Oct-17	13:36	16	14	16	10	8
Fluoride [mg/L]	06-Oct-17	14:40	0.07	0.16	0.07	< 0.06	0.06
Mercury (total) [ug/L]	11-Oct-17	09:48	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Silver [mg/L]	16-Oct-17	16:42	< 0.000002	< 0.000002	< 0.000002	< 0.000002	0.000008
Aluminum (dissolved) [mg/L]	16-Oct-17	16:42	0.030	0.005	0.010	0.006	3.63
Arsenic (dissolved) [mg/L]	20-Oct-17	09:08	4.40	8.37	4.42	0.0003	0.0083
Barium (dissolved) [mg/L]	16-Oct-17	16:42	0.0414	0.0477	0.0400	0.0157	0.0300
Beryllium (dissolved) [mg/L]	16-Oct-17	16:42	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000211
Boron (dissolved) [mg/L]	16-Oct-17	16:42	0.067	0.129	0.051	0.026	0.029
Bismuth (dissolved) [mg/L]	16-Oct-17	16:42	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000034
Cadmium (dissolved) [mg/L]	16-Oct-17	16:42	0.000007	0.000005	0.000003	0.000006	0.000008
Cobalt (dissolved) [mg/L]	16-Oct-17	16:42	0.00442	0.00110	0.00448	0.000138	0.00131
Chromium (dissolved) [mg/L]	16-Oct-17	16:42	0.00096	0.00103	0.00093	0.00084	0.00543

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Phone: 705-652-2000 FAX: 705-652-6365

Project : PO#OL-495589
LR Report : **CA15110-OCT17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: IF	6: UM	7: Duplicate	8: Whale Tail Lake	9: Field Cell Sand
Copper (dissolved) [mg/L]	16-Oct-17	16:42	0.00120	0.00587	0.00086	0.00038	0.00200
Iron (dissolved) [mg/L]	16-Oct-17	16:42	0.049	0.124	0.014	0.025	1.67
Potassium (dissolved) [mg/L]	16-Oct-17	16:42	31.0	36.0	31.7	0.754	3.24
Lithium (dissolved) [mg/L]	16-Oct-17	16:42	0.0066	0.0063	0.0063	0.0016	0.0054
Magnesium (dissolved) [mg/L]	16-Oct-17	16:42	13.8	9.07	13.3	1.88	2.49
Manganese (dissolved) [mg/L]	16-Oct-17	16:42	0.0873	0.0142	0.0877	0.0501	0.0653
Molybdenum (dissolved) [mg/L]	16-Oct-17	16:42	0.00354	0.00260	0.00359	0.00010	0.00088
Sodium (dissolved) [mg/L]	16-Oct-17	16:42	11.2	16.0	11.1	0.88	1.05
Nickel (dissolved) [mg/L]	16-Oct-17	16:42	0.187	0.0215	0.186	0.0020	0.0060
Phosphorus (dissolved) [mg/L]	16-Oct-17	16:42	0.004	< 0.003	< 0.003	< 0.003	0.025
Lead (dissolved) [mg/L]	16-Oct-17	16:42	0.00009	0.00024	0.00006	0.00002	0.00085
Antimony (dissolved) [mg/L]	16-Oct-17	16:42	0.0768	0.0882	0.0738	0.0002	0.0003
Selenium (dissolved) [mg/L]	16-Oct-17	16:42	0.00032	0.00061	0.00031	< 0.00004	< 0.00004
Strontium (dissolved) [mg/L]	16-Oct-17	16:42	0.289	0.267	0.289	0.0620	0.0353
Tin (dissolved) [mg/L]	16-Oct-17	16:42	0.00067	0.00241	0.00031	0.00003	< 0.00001
Titanium (dissolved) [mg/L]	16-Oct-17	16:42	0.00054	0.00031	0.00023	0.00018	0.0349
Thallium (dissolved) [mg/L]	16-Oct-17	16:42	0.000005	0.000041	0.000005	< 0.000005	0.000021
Uranium (dissolved) [mg/L]	16-Oct-17	16:42	0.00372	0.00291	0.00376	0.000060	0.000455
Vanadium (dissolved) [mg/L]	16-Oct-17	16:42	0.00242	0.0232	0.00225	0.00003	0.00225
Zinc (dissolved) [mg/L]	16-Oct-17	16:42	0.007	0.155	0.003	0.002	0.005

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ABA - Modified Sobek with Siderite correction

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08-November-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 05 October 2017
LR Report: **CA15111-OCT17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: Field Cell Sand
Sample Date & Time	26-Sep-17
Paste pH	8.82
Fizz Rate [---]	1
Sample weight [g]	2.00
HCl Added [mL]	20.00
HCl [Normality]	0.10
NaOH [Normality]	0.10
NaOH to pH=8.3 [mL]	7.26
Final pH	2.00
NP [t CaCO3/1000 t]	21
AP [t CaCO3/1000 t]	0.62
Net NP [t CaCO3/1000 t]	20.4
NP/AP [ratio]	33.9
Sulphur (total) [%]	0.014
Acid Leachable SO4-S [%]	< 0.02
Sulphide [%]	< 0.02
Carbon (total) [%]	0.134
Carbonate [%]	0.440
C(g) [%]	< 0.05

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08-November-2017

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Date Rec. : 05 October 2017
LR Report: **CA15113-OCT17**
Reference: Amaruq Project Golder #1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Field Cell Sand
Sample Date & Time					26-Sep-17
Fluoride [µg/g]	23-Oct-17	10:45	26-Oct-17	16:02	74.3
Mercury [ug/g]	23-Oct-17	10:56	23-Oct-17	12:44	< 0.05
Aluminum [µg/g]	31-Oct-17	11:18	31-Oct-17	11:39	2900
Silver [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	0.01
Arsenic [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	1.8
Boron [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	2
Barium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	11
Beryllium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	0.15
Bismuth [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	0.11
Calcium [µg/g]	31-Oct-17	11:18	31-Oct-17	11:39	1900
Cadmium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	< 0.02
Cobalt [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	2.6
Chromium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	16
Copper [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	3.2
Iron [µg/g]	31-Oct-17	11:18	31-Oct-17	11:39	7800
Potassium [µg/g]	31-Oct-17	11:18	31-Oct-17	11:39	620
Lithium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	3
Magnesium [µg/g]	31-Oct-17	11:18	31-Oct-17	11:39	2600
Manganese [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	130
Molybdenum [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	0.2
Sodium [µg/g]	31-Oct-17	11:18	31-Oct-17	11:39	21
Nickel [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	7.3
Phosphorus [µg/g]	31-Oct-17	11:18	31-Oct-17	11:39	190
Lead [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	0.69
Antimony [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	< 0.8
Selenium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	< 0.7
Silicon [µg/g]	31-Oct-17	11:18	31-Oct-17	11:39	340
Tin [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	< 0.5

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LR Report : **CA15113-OCT17**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Field Cell Sand
Strontium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	5.4
Titanium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	35
Thallium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	< 0.02
Uranium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	1.2
Vanadium [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	5
Zinc [µg/g]	26-Oct-17	17:56	27-Oct-17	10:52	980

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08-November-2017

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Date Rec. : 05 October 2017
LR Report: **CA15114-OCT17**
Reference: Amaruq Project Golder #1665859

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Field Cell Sand	6: Field Cell Sand
Sample Date & Time			26-Sep-17	
Sample weight [g]	18-Oct-17	20:13	200	200
Volume D.I. Water [mL]	18-Oct-17	20:13	800	800
Final pH	18-Oct-17	20:13	9.07	9.09
pH [no unit]	20-Oct-17	15:53	8.21	7.92
Alkalinity [mg/L as CaCO3]	20-Oct-17	15:53	22	23
Conductivity [uS/cm]	20-Oct-17	15:53	52	55
Fluoride [mg/L]	24-Oct-17	14:56	0.14	0.13
Chloride [mg/L]	20-Oct-17	16:25	1	1
Sulphate [mg/L]	20-Oct-17	16:25	3	3
Bromide [mg/L]	23-Oct-17	11:42	< 3	< 3
Nitrite (as N) [mg/L]	23-Oct-17	11:42	< 0.3	< 0.3
Nitrate (as N) [mg/L]	23-Oct-17	11:42	< 0.6	< 0.6
Chromium VI [ug/L]	20-Oct-17	08:01	< 0.2	< 0.2
Phosphorus (total reactive) [mg/L]	31-Oct-17	15:43	< 0.03	< 0.03
Mercury [mg/L]	23-Oct-17	12:28	< 0.00001	< 0.00001
Silver [mg/L]	23-Oct-17	17:11	< 0.00005	< 0.00005
Aluminum [mg/L]	23-Oct-17	17:11	0.666	0.569
Arsenic [mg/L]	23-Oct-17	17:11	0.0065	0.0063
Barium [mg/L]	23-Oct-17	17:11	0.00738	0.00584
Boron [mg/L]	23-Oct-17	17:11	0.016	0.015
Beryllium [mg/L]	23-Oct-17	17:11	0.000016	0.000010
Bismuth [mg/L]	23-Oct-17	17:11	0.000009	< 0.000007
Calcium [mg/L]	23-Oct-17	17:11	4.36	4.30
Cadmium [mg/L]	23-Oct-17	17:11	0.000004	< 0.000003
Cobalt [mg/L]	23-Oct-17	17:11	0.000118	0.000097
Chromium [mg/L]	23-Oct-17	17:11	0.00059	0.00042
Copper [mg/L]	23-Oct-17	17:11	0.00111	0.00094
Iron [mg/L]	23-Oct-17	17:11	0.135	0.102

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LR Report : **CA15114-OCT17**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Field Cell Sand	6: Field Cell Sand
Potassium [mg/L]	23-Oct-17	17:11	3.15	3.22
Lithium [mg/L]	23-Oct-17	17:11	0.0016	0.0015
Magnesium [mg/L]	23-Oct-17	17:11	0.892	0.884
Manganese [mg/L]	23-Oct-17	17:11	0.00620	0.00460
Molybdenum [mg/L]	23-Oct-17	17:11	0.00190	0.00191
Sodium [mg/L]	23-Oct-17	17:11	1.49	1.54
Nickel [mg/L]	23-Oct-17	17:11	0.0008	0.0006
Phosphorus [mg/L]	23-Oct-17	17:11	0.040	0.035
Lead [mg/L]	23-Oct-17	17:11	0.00019	0.00012
Antimony [mg/L]	23-Oct-17	17:11	0.0003	0.0003
Selenium [mg/L]	23-Oct-17	17:11	< 0.00004	0.00005
Silicon [mg/L]	23-Oct-17	17:11	3.63	3.54
Tin [mg/L]	23-Oct-17	17:11	0.00006	0.00003
Strontium [mg/L]	23-Oct-17	17:11	0.0175	0.0172
Titanium [mg/L]	23-Oct-17	17:11	0.00328	0.00242
Thallium [mg/L]	23-Oct-17	17:11	< 0.000005	< 0.000005
Uranium [mg/L]	23-Oct-17	17:11	0.00152	0.00152
Vanadium [mg/L]	23-Oct-17	17:11	0.00247	0.00240
Zinc [mg/L]	23-Oct-17	17:11	< 0.002	< 0.002

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30-May-2016

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Date Rec. : 06 May 2016
LR Report: **CA15148-MAY16**
Reference: PO# OL-460193-L

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: RE-17092 (S3QZ)	6: RE-17098 (ALTV4)	7: RE-17104 (HGZ)	8: EN-037469 (Combined)
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A
SiO2 [%]	63.6	39.0	58.8	53.2
Al2O3 [%]	5.69	6.92	6.10	6.38
Fe2O3 [%]	17.3	29.4	17.8	21.4
MgO [%]	2.69	7.21	4.44	5.02
CaO [%]	2.22	7.95	3.31	4.95
Na2O [%]	0.29	0.47	0.54	0.45
K2O [%]	1.57	1.96	1.24	1.73
TiO2 [%]	0.16	0.34	0.22	0.25
P2O5 [%]	0.13	0.08	0.07	0.10
MnO [%]	0.22	1.07	0.47	0.62
Cr2O3 [%]	0.05	0.32	0.16	0.18
V2O5 [%]	< 0.01	0.02	< 0.01	0.02
LOI [%]	4.24	2.79	4.71	3.66
Sum [%]	98.3	97.5	97.9	97.9

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30-May-2016

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Date Rec. : 06 May 2016
LR Report: **CA15149-MAY16**
Reference: PO# OL-460193-L

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-17092 (S3QZ)	6: RE-17098 (ALTV4)	7: RE-17104 (HGZ)	8: EN-037469 (Combined)
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A
Aluminum [µg/g]	24-May-16	13:06	12000	21000	14000	17000
Silver [µg/g]	20-May-16	13:01	0.50	0.50	0.62	0.27
Arsenic [µg/g]	20-May-16	13:02	1300	830	1400	940
Boron [µg/g]	20-May-16	13:02	5	3	4	3
Barium [µg/g]	20-May-16	13:02	45	180	75	110
Beryllium [µg/g]	20-May-16	13:02	0.78	0.27	0.57	0.52
Bismuth [µg/g]	20-May-16	13:02	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	24-May-16	13:06	14000	19000	14000	18000
Cadmium [µg/g]	20-May-16	13:02	0.21	0.05	0.20	0.16
Cobalt [µg/g]	20-May-16	13:02	8.7	54	30	31
Chromium [µg/g]	20-May-16	13:02	290	1300	740	800
Copper [µg/g]	20-May-16	13:02	140	120	75	170
Iron [µg/g]	24-May-16	13:06	91000	130000	96000	100000
Potassium [µg/g]	24-May-16	13:06	5500	16000	5400	11000
Lithium [µg/g]	20-May-16	13:02	8	16	12	12
Magnesium [µg/g]	24-May-16	13:06	8900	15000	12000	13000
Manganese [µg/g]	20-May-16	13:02	1000	2500	1700	1800
Molybdenum [µg/g]	20-May-16	13:02	35	12	29	25
Sodium [µg/g]	24-May-16	13:06	270	320	370	550
Nickel [µg/g]	20-May-16	13:02	160	860	430	490
Phosphorus [µg/g]	24-May-16	13:07	510	280	250	370
Lead [µg/g]	20-May-16	13:02	66	67	65	68
Antimony [µg/g]	20-May-16	13:02	1.4	2.4	2.3	1.8
Selenium [µg/g]	20-May-16	13:02	0.9	< 0.7	1.1	0.8
Silicon [µg/g]	24-May-16	13:07	1030	1830	1240	2190
Tin [µg/g]	20-May-16	13:02	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	20-May-16	13:02	27	35	26	31
Titanium [µg/g]	20-May-16	13:02	430	1200	430	780
Thallium [µg/g]	20-May-16	13:02	0.26	0.48	0.18	0.34
Uranium [µg/g]	20-May-16	13:02	0.87	0.087	0.41	0.47

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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA15149-MAY16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-17092 (S3QZ)	6: RE-17098 (ALTV4)	7: RE-17104 (HGZ)	8: EN-037469 (Combined)
Vanadium [µg/g]	20-May-16	13:02	12	53	28	33
Zinc [µg/g]	20-May-16	13:02	52	37	57	47

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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30-May-2016

Agnico Eagle Mines Limited
Attn : Serge Ouellet

10200, route de Pressac
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Phone: (819) 759-3700 x5820
Fax:(819) 759-3663

Date Rec. : 06 May 2016
LR Report: **CA15150-MAY16**
Reference: PO# OL-460193-L

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-17092 (S3QZ)	6: RE-17098 (ALTV4)	7: RE-17104 (HGZ)	8: EN-037469 (Combined)
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH	26-May-16	09:12	8.97	9.07	8.71	8.63
Fizz Rate [---]	26-May-16	09:12	4	3	4	4
Sample weight [g]	26-May-16	09:12	2.04	1.98	2.12	2.01
HCl Added [mL]	26-May-16	09:12	40.00	64.80	60.40	77.50
HCl [Normality]	26-May-16	09:12	0.10	0.10	0.10	0.10
NaOH [Normality]	26-May-16	09:12	0.10	0.10	0.10	0.10
NaOH to [pH=8.3 mL]	26-May-16	09:12	22.41	38.86	39.75	53.32
Final pH	26-May-16	09:12	1.78	1.87	1.56	1.55
NP [t CaCO3/1000 t]	26-May-16	09:12	43	66	49	60
AP [t CaCO3/1000 t]	---	---	104	105	111	104
Net NP [t CaCO3/1000 t]	---	---	-61.28	-39.19	-62.24	-44.28
NP/AP [ratio]	---	---	0.41	0.63	0.44	0.58
Sulphur (total) [%]	27-May-16	16:03	3.87	3.33	4.10	3.48
Acid Leachable SO4-S [%]	---	---	0.53	< 0.02	0.55	0.14
Sulphide [%]	27-May-16	16:03	3.34	3.35	3.55	3.34
Carbon (total) [%]	25-May-16	11:37	1.03	0.553	1.13	0.842
Carbonate [%]	25-May-16	11:37	3.07	1.30	3.21	2.38
C(g) [%]	12-May-16	15:39	0.51	< 0.05	0.54	0.29

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Environmental Services, Analytical

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30-May-2016

Agnico Eagle Mines Limited
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Date Rec. : 06 May 2016
LR Report: **CA15151-MAY16**
Reference: PO# OL-460193-L

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-17092 (S3QZ)	6: RE-17098 (ALTV4)	7: RE-17104 (HGZ)	8: EN-037469 (Combined)
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20-May-16	11:21	200	200	200	200
Volume D.I. Water [mL]	20-May-16	11:21	800	800	800	800
Initial pH	20-May-16	11:21	9.86	9.94	9.92	9.23
Final pH	20-May-16	11:21	9.58	9.69	9.62	8.69
pH [no unit]	26-May-16	10:55	9.44	9.60	9.22	8.00
Alkalinity [mg/L as CaCO3]	26-May-16	10:55	41	45	36	17
Conductivity [uS/cm]	26-May-16	10:55	279	284	430	1426
Fluoride [mg/L]	27-May-16	10:41	0.10	0.08	0.10	0.10
Chloride [mg/L]	26-May-16	10:36	54	54	100	47
Sulphate [mg/L]	26-May-16	13:42	28	21	43	550
Mercury [mg/L]	25-May-16	15:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	25-May-16	15:39	0.000563	0.000080	0.000251	< 0.000002
Aluminum [mg/L]	25-May-16	15:39	0.366	0.257	0.196	0.057
Arsenic [mg/L]	25-May-16	15:39	0.788	3.82	1.51	0.860
Barium [mg/L]	25-May-16	15:39	0.00640	0.0106	0.0104	0.0573
Boron [mg/L]	25-May-16	15:39	0.225	0.154	0.077	0.054
Beryllium [mg/L]	25-May-16	15:39	0.000030	0.000020	0.000010	< 0.000007
Bismuth [mg/L]	25-May-16	15:39	0.000103	0.000026	0.000040	< 0.000007
Calcium [mg/L]	25-May-16	15:39	10.1	9.61	15.4	155
Cadmium [mg/L]	25-May-16	15:39	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	25-May-16	15:39	0.00989	0.150	0.0864	0.0374
Chromium [mg/L]	25-May-16	15:39	0.00050	0.00713	0.00230	< 0.00003
Copper [mg/L]	25-May-16	15:39	0.309	0.0984	0.153	0.00217
Iron [mg/L]	25-May-16	15:39	4.10	3.31	3.95	0.273
Potassium [mg/L]	25-May-16	15:39	10.5	15.3	11.2	54.8
Lithium [mg/L]	25-May-16	15:39	0.00107	0.00183	0.00146	0.00819
Magnesium [mg/L]	25-May-16	15:39	0.274	0.296	0.243	2.87
Manganese [mg/L]	25-May-16	15:39	0.00751	0.0230	0.00928	0.00691
Molybdenum [mg/L]	25-May-16	15:39	0.00857	0.00334	0.00718	0.00683
Sodium [mg/L]	25-May-16	15:39	40.7	42.8	67.1	131

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LR Report : **CA15151-MAY16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-17092 (S3QZ)	6: RE-17098 (ALTV4)	7: RE-17104 (HGZ)	8: EN-037469 (Combined)
Nickel [mg/L]	25-May-16	15:39	0.0463	1.01	0.788	0.0093
Phosphorus [mg/L]	25-May-16	15:39	< 0.003	< 0.003	< 0.003	< 0.003
Lead [mg/L]	25-May-16	15:39	0.00522	0.00387	0.00315	< 0.00001
Antimony [mg/L]	25-May-16	15:40	0.0059	0.0165	0.0065	0.0095
Selenium [mg/L]	25-May-16	15:40	0.00240	0.00098	0.00250	0.00050
Silicon [mg/L]	25-May-16	15:40	2.96	3.48	2.77	2.37
Tin [mg/L]	25-May-16	15:40	0.0149	0.00098	0.00454	0.00106
Strontium [mg/L]	25-May-16	15:40	0.0165	0.0179	0.0205	0.142
Titanium [mg/L]	25-May-16	15:40	0.00593	0.00820	0.00174	< 0.00005
Thallium [mg/L]	25-May-16	15:40	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	25-May-16	15:40	0.000387	0.000102	0.000058	0.000210
Vanadium [mg/L]	25-May-16	15:40	0.00261	0.0137	0.00290	0.00105
Zinc [mg/L]	25-May-16	15:40	< 0.002	< 0.002	< 0.002	< 0.002

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OnLine LIMS

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30-May-2016

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Date Rec. : 06 May 2016
LR Report: **CA15152-MAY16**
Reference: PO# OL-460193-L

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-17091 (PW-S3QZ)	6: RE-17097 (PW-ALV4)	7: RE-17103 (PW-HGz)	8: EN-037469 (PW Combined)
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A
Temperature Upon Receipt [°C]	---	---	20.0	20.0	20.0	20.0
pH [no unit]	12-May-16	14:33	10.3	10.4	10.6	7.69
Alkalinity [mg/L as CaCO3]	12-May-16	14:33	442	547	492	68
Conductivity [uS/cm]	12-May-16	14:33	2560	2690	4620	8230
Fluoride [mg/L]	10-May-16	14:16	0.19	0.11	0.15	0.21
Sulphate [mg/L]	13-May-16	12:10	340	290	580	4500
Chloride [mg/L]	13-May-16	11:27	690	740	1600	470
Bromide [mg/L]	12-May-16	13:28	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	12-May-16	13:28	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	12-May-16	13:28	8.15	7.92	8.00	7.33
Phosphorus (total) [mg/L]	11-May-16	12:48	0.33	0.30	0.03	< 0.03
Ammonia+Ammonium (N) [mg/L]	12-May-16	14:37	3.9	4.6	2.9	48.3
Cyanide (total) [mg/L]	13-May-16	12:36	258	331	411	0.42
Cyanide (WAD) [mg/L]	11-May-16	13:07	---	---	---	0.02
Cyanide (free) [mg/L]	11-May-16	13:08	---	---	---	<0.02
Cyanate [mg/L]	10-May-16	13:28	---	---	---	130
Thiocyanate [mg/L]	13-May-16	09:46	---	---	---	270
Silver (dissolved) [mg/L]	13-May-16	10:14	0.0291	0.0370	0.109	0.000593
Aluminum (dissolved) [mg/L]	13-May-16	10:14	0.346	0.541	0.428	0.017
Arsenic (dissolved) [mg/L]	13-May-16	10:14	0.187	0.803	0.267	0.573
Barium (dissolved) [mg/L]	13-May-16	10:14	0.0455	0.0909	0.128	0.0680
Beryllium (dissolved) [mg/L]	13-May-16	10:14	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Boron (dissolved) [mg/L]	13-May-16	10:14	0.234	0.435	0.115	0.040
Bismuth (dissolved) [mg/L]	13-May-16	10:14	0.000013	0.000011	0.000031	0.000021
Calcium (dissolved) [mg/L]	13-May-16	10:14	131	130	248	486
Cadmium (dissolved) [mg/L]	13-May-16	10:14	0.00850	0.00213	0.00170	0.000034
Cobalt (dissolved) [mg/L]	13-May-16	10:14	0.00429	0.0567	0.615	0.539
Chromium (dissolved) [mg/L]	13-May-16	10:14	0.00255	0.00111	0.00070	0.00136
Copper (dissolved) [mg/L]	13-May-16	13:26	6.04	9.70	2.67	0.139
Iron (dissolved) [mg/L]	13-May-16	10:15	0.871	0.635	8.45	0.064

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LR Report : **CA15152-MAY16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-17091 (PW-S3QZ)	6: RE-17097 (PW-ALV4)	7: RE-17103 (PW-HGz)	8: EN-037469 (PW Combined)
Potassium (dissolved) [mg/L]	13-May-16	10:15	110	125	133	283
Lithium (dissolved) [mg/L]	13-May-16	10:15	0.000346	0.000875	0.000625	0.0154
Magnesium (dissolved) [mg/L]	13-May-16	10:15	0.133	0.128	0.269	13.2
Manganese (dissolved) [mg/L]	13-May-16	10:15	0.00673	0.0101	0.00970	0.136
Molybdenum (dissolved) [mg/L]	13-May-16	10:15	0.0745	0.0208	0.00741	0.0731
Sodium (dissolved) [mg/L]	13-May-16	10:15	389	386	831	1810
Nickel (dissolved) [mg/L]	13-May-16	13:26	0.328	16.4	0.760	0.0565
Phosphorus (dissolved) [mg/L]	13-May-16	10:15	0.323	0.073	0.051	0.008
Lead (dissolved) [mg/L]	13-May-16	10:15	0.00017	0.00018	0.00021	0.00011
Antimony (dissolved) [mg/L]	13-May-16	10:15	0.0067	0.0278	0.0040	0.0149
Selenium (dissolved) [mg/L]	13-May-16	10:15	0.0167	0.0116	0.0315	0.00682
Silicon (dissolved) [mg/L]	13-May-16	10:15	2.04	2.09	1.69	2.89
Tin (dissolved) [mg/L]	13-May-16	10:15	0.107	0.00484	0.0308	0.00508
Strontium (dissolved) [mg/L]	13-May-16	10:15	0.253	0.291	0.391	0.944
Titanium (dissolved) [mg/L]	13-May-16	10:15	0.00017	0.00017	0.00013	0.00015
Thallium (dissolved) [mg/L]	13-May-16	10:15	< 0.000005	< 0.000005	0.000005	0.000037
Uranium (dissolved) [mg/L]	13-May-16	10:15	0.000057	0.000055	0.000018	0.002800
Vanadium (dissolved) [mg/L]	13-May-16	10:15	0.00126	0.00973	0.00017	0.00046
Zinc (dissolved) [mg/L]	13-May-16	10:15	3.17	1.02	0.143	< 0.002

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Project Specialist
Environmental Services, Analytical

OnLine LIMS

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ABA - Modified Sobek

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31-October-2016

Date Rec. : 11 October 2016
LR Report: **CA15178-OCT16**

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	5: AMQ-ENV16-13	6: AMQ-ENV16-14	7: AMQ-ENV16-15	8: AMQ-ENV16-16	9: AMQ-ENV16-17	10: AMQ-ENV16-18	11: AMQ-ENV16-19	12: AMQ-ENV16-20	13: AMQ-ENV16-21	14: AMQ-ENV16-22	15: AMQ-ENV16-23
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH	9.57	9.25	9.19	9.54	9.91	9.40	9.45	9.34	8.95	9.24	9.32
Fizz Rate [---]	3	3	3	3	2	3	3	3	3	3	2
Sample weight [g]	2.05	2.00	2.04	2.04	2.03	2.06	2.01	2.00	2.00	2.01	2.05
HCl Added [mL]	65.20	68.00	63.10	89.80	78.70	73.70	59.20	40.90	99.10	66.90	109.90
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	40.22	42.54	37.48	38.72	26.03	42.35	25.80	23.62	42.25	40.28	47.41
Final pH	1.56	1.55	1.56	1.55	1.72	1.55	1.79	1.64	1.76	1.55	1.60
NP [t CaCO3/1000 t]	61	64	63	125	130	76	83	43	142	66	152
AP [t CaCO3/1000 t]	6.56	7.81	2.81	0.62	1.56	8.44	0.94	3.75	2.50	47.8	1.88
Net NP [t CaCO3/1000 t]	54.3	55.8	60.0	125	128	67.7	82.2	39.4	140	18.4	151
NP/AP [ratio]	9.28	8.14	22.3	200	83.0	9.02	88.6	11.5	56.8	1.38	81.3
Sulphur (total) [%]	0.365	0.348	0.140	0.047	0.096	0.377	0.049	0.192	0.119	2.74	0.090
Acid Leachable SO4-S [%]	0.16	0.10	0.05	0.03	0.05	0.11	< 0.02	0.07	0.04	1.21	0.03
Sulphide [%]	0.21	0.25	0.09	0.02	0.05	0.27	0.03	0.12	0.08	1.53	0.06
Carbon (total) [%]	0.635	0.686	0.635	1.36	1.65	0.810	0.880	0.479	1.50	1.37	1.69
Carbonate [%]	2.23	2.41	2.46	5.90	7.15	3.19	3.93	1.85	6.78	5.00	7.87
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.75	< 0.05

OnLine LIMS

0000821565

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ABA - Modified Sobek

LR Report : **CA15178-OCT16**

Analysis	16: AMQ-ENV16-24	17: AMQ-ENV16-25	18: AMQ-ENV16-26	19: AMQ-ENV16-27	20: AMQ-ENV16-28	21: AMQ-ENV16-29	22: AMQ-ENV16-30	23: AMQ-ENV16-31	24: AMQ-ENV16-32	25: AMQ-ENV16-33	26: AMQ-ENV16-34
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH	9.25	9.19	9.13	9.51	9.64	9.41	9.13	9.10	9.84	9.11	9.84
Fizz Rate [---]	1	1	1	1	1	1	1	1	2	1	1
Sample weight [g]	2.00	2.01	2.02	2.01	2.05	2.01	2.07	2.09	2.07	2.07	2.04
HCl Added [mL]	120.40	109.10	60.30	107.20	91.30	106.90	70.80	81.60	32.80	82.30	38.90
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	43.44	37.26	23.88	39.72	32.95	30.84	13.16	39.30	19.33	34.81	18.99
Final pH	1.67	1.66	1.68	1.59	1.59	1.70	1.84	1.55	1.57	1.55	1.56
NP [t CaCO3/1000 t]	192	179	90	168	142	189	139	101	32	115	49
AP [t CaCO3/1000 t]	0.62	0.94	0.62	0.62	0.62	0.62	0.62	0.94	3.75	0.62	0.62
Net NP [t CaCO3/1000 t]	192	178	89.5	167	142	189	139	100	28.8	114	48.2
NP/AP [ratio]	310	191	145	271	228	305	225	108	8.67	185	78.7
Sulphur (total) [%]	0.026	0.054	0.011	0.018	0.034	0.018	0.038	0.079	0.254	0.019	0.010
Acid Leachable SO4-S [%]	0.03	0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.04	0.05	0.13	< 0.02	< 0.02
Sulphide [%]	< 0.02	0.03	< 0.02	< 0.02	0.02	< 0.02	< 0.02	0.03	0.12	< 0.02	< 0.02
Carbon (total) [%]	2.42	2.25	0.994	2.00	1.82	2.34	1.83	1.08	0.347	1.49	0.451
Carbonate [%]	11.2	10.8	4.64	9.45	8.80	11.8	8.40	5.24	1.25	6.63	1.88
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Analysis	27: AMQ-ENV16-35	28: AMQ-ENV16-36	29: AMQ-ENV16-37	30: AMQ-ENV16-38	31: AMQ-ENV16-39	32: AMQ-ENV16-40	33: AMQ-ENV16-41	34: AMQ-ENV16-42	35: AMQ-ENV16-43	36: AMQ-ENV16-44	37: AMQ-ENV16-45
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH	9.44	9.25	9.12	9.14	9.34	9.00	9.07	9.83	9.48	9.92	9.70
Fizz Rate [---]	1	1	1	1	1	1	3	3	3	1	2
Sample weight [g]	2.01	2.02	2.00	2.05	2.05	2.09	2.15	1.96	1.98	1.98	2.00
HCl Added [mL]	86.50	48.70	88.90	49.30	77.20	54.40	45.10	27.10	25.80	20.00	26.10
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	33.24	19.98	32.91	23.56	27.99	18.74	25.53	12.10	16.83	14.99	15.23
Final pH	1.57	1.55	1.58	1.56	1.58	1.73	1.59	1.60	1.56	1.47	1.74
NP [t CaCO3/1000 t]	132	71	140	63	120	85	46	38	23	13	27
AP [t CaCO3/1000 t]	0.62	0.62	0.62	0.62	0.94	1.56	8.12	5.00	6.56	3.75	9.69
Net NP [t CaCO3/1000 t]	132	70.5	139	62.2	119	83.7	37.4	33.3	16.0	8.95	17.5
NP/AP [ratio]	214	115	226	101	128	54.6	5.60	7.66	3.44	3.39	2.81
Sulphur (total) [%]	0.008	< 0.005	0.052	0.012	0.052	0.097	0.402	0.238	0.262	0.169	0.373

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Analysis	27: AMQ-ENV16-35	28: AMQ-ENV16-36	29: AMQ-ENV16-37	30: AMQ-ENV16-38	31: AMQ-ENV16-39	32: AMQ-ENV16-40	33: AMQ-ENV16-41	34: AMQ-ENV16-42	35: AMQ-ENV16-43	36: AMQ-ENV16-44	37: AMQ-ENV16-45
Acid Leachable SO4-S [%]	< 0.02	< 0.02	0.05	< 0.02	0.02	0.05	0.14	0.08	0.05	0.05	0.06
Sulphide [%]	< 0.02	< 0.02	< 0.02	< 0.02	0.03	0.05	0.26	0.16	0.21	0.12	0.31
Carbon (total) [%]	1.72	0.798	1.86	0.677	1.48	0.966	0.734	0.400	0.209	0.046	0.189
Carbonate [%]	7.44	3.56	8.24	2.95	6.30	3.98	2.74	1.56	0.669	0.100	0.530
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.26	< 0.05	< 0.05	< 0.05	< 0.05

Analysis	38: AMQ-ENV16-46	39: AMQ-ENV16-47	40: AMQ-ENV16-48	41: AMQ-ENV16-49	42: AMQ-ENV16-50	43: AMQ-ENV16-51	44: AMQ-ENV16-52	45: AMQ-ENV16-53	46: AMQ-ENV16-54	47: AMQ-ENV16-55	48: AMQ-ENV16-56
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH	9.84	9.96	9.66	9.59	6.24	9.72	9.22	9.10	9.30	9.08	9.79
Fizz Rate [---]	3	3	3	3	1	3	3	3	3	1	3
Sample weight [g]	1.98	1.96	2.00	2.00	2.03	1.97	2.00	2.03	2.05	2.04	2.16
HCl Added [mL]	26.70	25.10	27.50	20.00	20.00	20.00	29.90	57.00	83.10	27.60	65.20
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	13.43	14.67	13.15	11.09	15.96	9.50	15.12	22.63	36.51	9.40	25.20
Final pH	1.76	1.54	1.72	1.71	1.43	1.76	1.79	1.83	1.57	1.70	1.55
NP [t CaCO3/1000 t]	34	27	36	22	9.9	27	37	85	114	45	93
AP [t CaCO3/1000 t]	3.44	3.12	4.38	0.62	37.8	3.12	1.88	31.9	25.0	1.25	6.56
Net NP [t CaCO3/1000 t]	30.1	23.5	31.5	21.7	-27.91	23.6	35.1	52.8	88.6	43.4	86.0
NP/AP [ratio]	9.75	8.51	8.21	35.7	0.26	8.54	19.7	2.66	4.54	35.7	14.1
Sulphur (total) [%]	0.188	0.180	0.182	0.033	1.36	0.151	0.104	1.46	1.17	0.064	0.317
Acid Leachable SO4-S [%]	0.08	0.08	0.04	< 0.02	0.15	0.05	0.04	0.44	0.37	0.02	0.11
Sulphide [%]	0.11	0.10	0.14	0.02	1.21	0.10	0.06	1.02	0.80	0.04	0.21
Carbon (total) [%]	0.311	0.232	0.352	0.205	0.265	0.232	0.353	1.04	1.47	0.447	1.02
Carbonate [%]	1.18	0.779	1.35	0.759	0.689	0.939	1.45	3.72	5.64	1.97	4.56
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	0.17	< 0.05	< 0.05	0.10	0.15	< 0.05	< 0.05

Analysis	49: AMQ-ENV16-57	50: AMQ-ENV16-58	51: AMQ-ENV16-59	52: AMQ-ENV16-60	53: AMQ-ENV16-61	54: AMQ-ENV16-62
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH	9.29	9.37	8.96	9.57	9.65	9.25
Fizz Rate [---]	3	3	3	3	1	3
Sample weight [g]	2.04	2.07	2.10	2.11	2.05	2.06
HCl Added [mL]	42.40	63.90	173.10	67.30	69.50	41.70

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LR Report : **CA15178-OCT16**

Analysis	49: AMQ-ENV16-57	50: AMQ-ENV16-58	51: AMQ-ENV16-59	52: AMQ-ENV16-60	53: AMQ-ENV16-61	54: AMQ-ENV16-62
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	23.54	36.78	65.42	32.17	20.47	21.14
Final pH	1.56	1.59	1.59	1.57	1.66	1.55
NP [t CaCO3/1000 t]	46	66	256	83	120	50
AP [t CaCO3/1000 t]	10.0	3.12	6.56	1.25	0.62	5.94
Net NP [t CaCO3/1000 t]	36.2	62.4	250	82.0	119	44.0
NP/AP [ratio]	4.62	21.0	39.1	66.6	191	8.40
Sulphur (total) [%]	0.432	0.142	0.235	0.061	0.025	0.293
Acid Leachable SO4-S [%]	0.11	0.04	0.02	0.02	< 0.02	0.10
Sulphide [%]	0.32	0.10	0.21	0.04	0.02	0.19
Carbon (total) [%]	0.440	0.619	2.22	0.855	1.57	0.517
Carbonate [%]	1.69	2.71	10.1	4.06	6.95	2.10
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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28-October-2016

Agnico Eagle Mines Limited
Attn : Serge Ouellet

Date Rec. : 11 October 2016
LR Report: **CA15179-OCT16**

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-13	6: AMQ-ENV16-14	7: AMQ-ENV16-15	8: AMQ-ENV16-16	9: AMQ-ENV16-17	10: AMQ-ENV16-18	11: AMQ-ENV16-19	12: AMQ-ENV16-20	13: AMQ-ENV16-21	14: AMQ-ENV16-22
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Aluminum [µg/g]	28-Oct-16	13:46	25000	26000	25000	18000	32000	23000	26000	23000	34000	28000
Silver [µg/g]	28-Oct-16	16:13	0.15	0.17	0.20	0.09	0.32	0.47	0.19	0.30	0.48	1.2
Arsenic [µg/g]	28-Oct-16	16:13	9.5	49	220	440	12	67	38	81	110	79
Boron [µg/g]	28-Oct-16	16:13	1	1	< 1	1	2	1	1	4	< 1	2
Barium [µg/g]	28-Oct-16	16:13	200	320	160	240	790	320	310	84	43	170
Beryllium [µg/g]	28-Oct-16	16:13	0.08	0.15	0.11	0.42	1.3	0.13	0.11	0.44	0.16	0.23
Bismuth [µg/g]	28-Oct-16	16:13	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.14	< 0.09	0.11
Calcium [µg/g]	28-Oct-16	13:46	21000	24000	21000	43000	31000	28000	29000	16000	48000	21000
Cadmium [µg/g]	28-Oct-16	16:13	0.09	0.09	0.05	0.08	0.10	0.24	0.10	0.14	0.16	0.12
Cobalt [µg/g]	28-Oct-16	16:13	29	57	110	41	26	66	41	19	60	36
Chromium [µg/g]	28-Oct-16	16:13	79	490	1200	790	480	510	130	76	770	110
Copper [µg/g]	28-Oct-16	16:13	110	92	89	20	46	200	130	39	54	88
Iron [µg/g]	28-Oct-16	13:46	50000	64000	74000	26000	63000	54000	47000	46000	87000	79000
Potassium [µg/g]	28-Oct-16	13:46	10000	9400	8400	13000	26000	8500	7000	6400	6800	14000
Lithium [µg/g]	28-Oct-16	16:13	22	21	28	29	35	21	24	22	21	27
Magnesium [µg/g]	28-Oct-16	13:46	17000	15000	18000	26000	46000	14000	19000	14000	29000	23000
Manganese [µg/g]	28-Oct-16	16:13	1500	2000	2500	700	950	1800	1500	700	2100	780
Molybdenum [µg/g]	28-Oct-16	16:13	0.4	0.4	0.4	0.6	0.7	0.4	0.3	1.6	0.3	1.2
Sodium [µg/g]	28-Oct-16	13:46	350	220	130	150	230	250	270	87	130	170
Nickel [µg/g]	28-Oct-16	16:13	74	190	410	410	170	190	98	64	240	77

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LR Report : **CA15179-OCT16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-13	6: AMQ-ENV16-14	7: AMQ-ENV16-15	8: AMQ-ENV16-16	9: AMQ-ENV16-17	10: AMQ-ENV16-18	11: AMQ-ENV16-19	12: AMQ-ENV16-20	13: AMQ-ENV16-21	14: AMQ-ENV16-22
Phosphorus [µg/g]	28-Oct-16	13:46	310	250	150	750	980	250	260	650	180	310
Lead [µg/g]	28-Oct-16	16:13	0.79	0.72	1.00	3.5	9.2	1.1	1.2	11	3.2	11
Antimony [µg/g]	28-Oct-16	16:13	< 0.8	< 0.8	1.5	1.4	< 0.8	1.0	1.9	1.5	< 0.8	1.0
Selenium [µg/g]	28-Oct-16	16:13	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	1.0
Silicon [µg/g]	28-Oct-16	13:46	5800	8100	7300	7100	7200	6200	5800	5400	8500	6800
Tin [µg/g]	28-Oct-16	16:14	< 0.5	< 0.5	< 0.5	< 0.5	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	28-Oct-16	16:14	11	15	25	200	100	12	18	40	39	27
Titanium [µg/g]	28-Oct-16	16:14	1500	1300	940	1200	2400	1400	1300	810	830	1100
Thallium [µg/g]	28-Oct-16	16:14	0.27	0.23	0.23	0.30	0.61	0.19	0.25	0.32	0.24	0.32
Uranium [µg/g]	28-Oct-16	16:14	0.031	0.047	0.015	0.90	1.5	0.052	0.021	2.3	0.046	0.10
Vanadium [µg/g]	28-Oct-16	16:14	110	75	56	37	89	77	110	51	120	110
Zinc [µg/g]	28-Oct-16	16:14	76	55	26	30	55	62	57	73	67	53

Analysis	15: AMQ-ENV16-23	16: AMQ-ENV16-24	17: AMQ-ENV16-25	18: AMQ-ENV16-26	19: AMQ-ENV16-27	20: AMQ-ENV16-28	21: AMQ-ENV16-29	22: AMQ-ENV16-30	23: AMQ-ENV16-31	24: AMQ-ENV16-32	25: AMQ-ENV16-33
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Aluminum [µg/g]	28000	19000	15000	24000	23000	20000	20000	21000	18000	20000	14000
Silver [µg/g]	0.28	0.23	0.10	0.05	0.15	0.25	0.23	0.47	0.10	0.35	0.16
Arsenic [µg/g]	180	250	410	220	630	190	670	810	230	56	510
Boron [µg/g]	1	< 1	1	2	< 1	< 1	< 1	3	1	2	< 1
Barium [µg/g]	83	31	49	36	180	250	120	64	35	68	6.4
Beryllium [µg/g]	0.23	0.23	0.26	0.12	0.86	0.87	0.54	0.32	0.11	0.28	0.14
Bismuth [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.10	0.37	0.23	< 0.09	0.48	< 0.09
Calcium [µg/g]	42000	45000	40000	24000	40000	33000	40000	35000	29000	11000	30000
Cadmium [µg/g]	0.12	0.29	0.10	0.05	0.11	0.21	0.16	0.10	0.06	0.14	0.05
Cobalt [µg/g]	74	53	49	56	47	32	60	64	57	19	77
Chromium [µg/g]	660	690	800	1000	1100	600	850	890	860	80	780
Copper [µg/g]	63	52	14	16	4.9	26	12	55	25	38	30
Iron [µg/g]	62000	38000	30000	36000	36000	38000	34000	32000	26000	39000	22000
Potassium [µg/g]	9000	2600	2600	3600	19000	15000	11000	6000	3200	13000	770
Lithium [µg/g]	16	11	11	18	23	20	20	16	10	18	7
Magnesium [µg/g]	32000	42000	43000	44000	48000	41000	48000	46000	35000	12000	33000
Manganese [µg/g]	1800	1300	950	610	850	790	920	790	560	540	730
Molybdenum [µg/g]	0.4	0.3	0.3	0.2	0.8	0.5	0.2	0.2	0.1	1.6	0.2

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LR Report : **CA15179-OCT16**

Analysis	15: AMQ-ENV16-23	16: AMQ-ENV16-24	17: AMQ-ENV16-25	18: AMQ-ENV16-26	19: AMQ-ENV16-27	20: AMQ-ENV16-28	21: AMQ-ENV16-29	22: AMQ-ENV16-30	23: AMQ-ENV16-31	24: AMQ-ENV16-32	25: AMQ-ENV16-33
Sodium [µg/g]	63	49	55	31	120	190	74	49	67	110	54
Nickel [µg/g]	310	300	380	290	460	240	470	560	420	63	400
Phosphorus [µg/g]	180	110	100	110	45	810	110	95	120	480	92
Lead [µg/g]	2.2	6.6	4.5	0.19	2.6	16	1.6	29	1.2	21	1.3
Antimony [µg/g]	1.3	< 0.8	1.4	1.2	2.0	< 0.8	1.8	4.9	1.8	< 0.8	2.6
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	6100	4200	3000	4300	4100	4400	3200	2800	3100	3900	2800
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	57	120	320	86	220	140	270	230	250	32	130
Titanium [µg/g]	930	300	280	360	1200	1500	950	500	290	1400	110
Thallium [µg/g]	0.21	0.05	0.10	0.10	0.44	0.52	0.30	0.15	0.09	0.52	0.04
Uranium [µg/g]	0.022	0.84	0.11	< 0.002	0.57	1.1	0.044	< 0.002	< 0.002	2.6	0.024
Vanadium [µg/g]	96	54	49	63	59	57	54	57	47	35	39
Zinc [µg/g]	55	31	21	24	34	37	29	23	19	57	19

Analysis	26: AMQ-ENV16-34	27: AMQ-ENV16-35	28: AMQ-ENV16-36	29: AMQ-ENV16-37	30: AMQ-ENV16-38	31: AMQ-ENV16-39	32: AMQ-ENV16-40	33: AMQ-ENV16-41	34: AMQ-ENV16-42	35: AMQ-ENV16-43	36: AMQ-ENV16-44
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Aluminum [µg/g]	32000	24000	23000	18000	21000	23000	19000	27000	14000	24000	19000
Silver [µg/g]	0.97	0.24	0.06	0.07	0.08	0.12	0.12	0.30	0.22	0.20	0.23
Arsenic [µg/g]	240	140	2.6	120	400	320	450	47	90	56	71
Boron [µg/g]	2	< 1	< 1	< 1	< 1	< 1	4	2	1	3	3
Barium [µg/g]	310	270	230	47	93	280	210	35	68	88	150
Beryllium [µg/g]	1.7	0.88	0.70	0.11	0.17	1.1	0.76	0.13	0.22	0.41	0.28
Bismuth [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.13	0.23	0.23
Calcium [µg/g]	15000	29000	25000	33000	20000	26000	17000	16000	14000	8400	3200
Cadmium [µg/g]	0.07	0.16	0.06	0.06	0.03	0.08	0.02	0.08	0.20	0.10	0.10
Cobalt [µg/g]	29	40	20	42	59	38	49	34	11	14	14
Chromium [µg/g]	700	1000	910	730	970	860	880	120	22	41	31
Copper [µg/g]	26	11	26	22	16	14	27	81	31	30	28
Iron [µg/g]	44000	42000	32000	29000	28000	41000	30000	59000	30000	52000	31000
Potassium [µg/g]	27000	18000	13000	2500	7900	14000	11000	2400	6700	7900	15000
Lithium [µg/g]	26	23	28	12	20	21	19	21	12	17	14
Magnesium [µg/g]	43000	46000	35000	38000	33000	45000	39000	19000	7500	12000	10000

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LR Report : **CA15179-OCT16**

Analysis	26: AMQ-ENV16-34	27: AMQ-ENV16-35	28: AMQ-ENV16-36	29: AMQ-ENV16-37	30: AMQ-ENV16-38	31: AMQ-ENV16-39	32: AMQ-ENV16-40	33: AMQ-ENV16-41	34: AMQ-ENV16-42	35: AMQ-ENV16-43	36: AMQ-ENV16-44
Manganese [µg/g]	470	730	580	760	490	710	380	1600	390	560	380
Molybdenum [µg/g]	0.9	0.6	0.3	0.1	0.2	0.8	0.5	0.7	2.0	2.4	3.8
Sodium [µg/g]	140	95	72	49	58	140	51	200	230	290	280
Nickel [µg/g]	240	250	190	250	440	310	390	85	24	31	31
Phosphorus [µg/g]	850	1000	710	98	94	1000	540	290	540	630	600
Lead [µg/g]	2.5	33	3.2	0.92	0.37	2.9	0.64	0.58	17	15	14
Antimony [µg/g]	1.2	< 0.8	< 0.8	1.1	1.4	< 0.8	< 0.8	1.0	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	4400	3600	3100	2800	3200	4300	2600	6300	3300	6400	3400
Tin [µg/g]	1.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	73	200	170	210	95	200	29	11	32	18	14
Titanium [µg/g]	2300	1600	1200	270	730	1300	960	790	720	1200	1500
Thallium [µg/g]	0.68	0.76	0.52	0.08	0.24	0.49	0.33	0.08	0.35	0.38	0.79
Uranium [µg/g]	1.4	0.84	0.94	< 0.002	0.30	0.78	0.37	0.058	2.7	2.6	2.9
Vanadium [µg/g]	76	60	35	47	52	58	39	85	21	47	34
Zinc [µg/g]	42	34	27	19	22	35	22	54	52	64	68

Analysis	37: AMQ-ENV16-45	38: AMQ-ENV16-46	39: AMQ-ENV16-47	40: AMQ-ENV16-48	41: AMQ-ENV16-49	42: AMQ-ENV16-50	43: AMQ-ENV16-51	44: AMQ-ENV16-52	45: AMQ-ENV16-53	46: AMQ-ENV16-54	47: AMQ-ENV16-55
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Aluminum [µg/g]	26000	18000	17000	18000	15000	21000	19000	23000	18000	24000	13000
Silver [µg/g]	0.24	0.21	0.26	0.46	0.19	0.56	0.24	0.37	0.87	0.79	0.21
Arsenic [µg/g]	120	74	68	14	42	62	79	19	340	97	510
Boron [µg/g]	3	3	3	5	8	3	3	1	1	2	< 1
Barium [µg/g]	98	78	98	92	100	110	58	44	55	85	8.7
Beryllium [µg/g]	0.32	0.26	0.21	0.36	0.35	0.30	0.19	0.04	0.16	0.22	0.20
Bismuth [µg/g]	0.16	0.13	0.26	0.92	0.21	0.79	0.23	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	9100	13000	9700	12000	7600	2700	10000	13000	25000	39000	15000
Cadmium [µg/g]	0.15	0.12	0.12	0.26	0.18	0.50	0.13	0.09	0.05	3.1	0.28
Cobalt [µg/g]	13	13	11	12	6.8	11	15	31	70	39	55
Chromium [µg/g]	37	28	24	30	16	57	41	100	730	190	730
Copper [µg/g]	28	29	23	31	17	44	22	85	87	69	22
Iron [µg/g]	50000	31000	28000	35000	25000	54000	33000	40000	53000	60000	19000
Potassium [µg/g]	12000	10000	12000	7200	7100	14000	9100	4300	4400	7800	1500

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LR Report : **CA15179-OCT16**

Analysis	37: AMQ-ENV16-45	38: AMQ-ENV16-46	39: AMQ-ENV16-47	40: AMQ-ENV16-48	41: AMQ-ENV16-49	42: AMQ-ENV16-50	43: AMQ-ENV16-51	44: AMQ-ENV16-52	45: AMQ-ENV16-53	46: AMQ-ENV16-54	47: AMQ-ENV16-55
Lithium [µg/g]	14	11	10	15	16	28	13	23	13	18	9
Magnesium [µg/g]	13000	9600	9000	11000	8300	11000	11000	18000	20000	18000	23000
Manganese [µg/g]	570	480	450	390	380	650	480	690	1500	1400	420
Molybdenum [µg/g]	2.3	1.5	1.8	2.1	1.7	2.0	1.5	0.2	0.9	0.5	0.4
Sodium [µg/g]	230	230	300	250	220	220	170	210	71	150	56
Nickel [µg/g]	35	32	24	29	15	27	36	42	440	140	410
Phosphorus [µg/g]	760	690	610	600	440	540	670	250	130	260	470
Lead [µg/g]	16	14	21	34	18	19	14	1.0	7.2	7.3	19
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	2.0	< 0.8	2.9
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	0.7	< 0.7	< 0.7
Silicon [µg/g]	6300	3900	4900	5500	4700	5000	4500	4500	3800	5500	2100
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	17	32	25	29	18	7.2	21	7.3	36	72	150
Titanium [µg/g]	1100	910	950	730	570	1100	870	1000	620	960	210
Thallium [µg/g]	0.69	0.72	0.59	0.30	0.42	0.48	0.63	0.12	0.21	0.33	0.20
Uranium [µg/g]	2.8	2.6	2.0	2.8	3.3	1.7	2.4	0.040	0.065	0.13	0.63
Vanadium [µg/g]	33	25	22	29	14	33	26	77	55	96	28
Zinc [µg/g]	66	59	50	59	44	97	66	50	26	210	32

Analysis	48: AMQ-ENV16-56	49: AMQ-ENV16-57	50: AMQ-ENV16-58	51: AMQ-ENV16-59	52: AMQ-ENV16-60	53: AMQ-ENV16-61	54: AMQ-ENV16-62
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Aluminum [µg/g]	22000	26000	22000	30000	37000	22000	18000
Silver [µg/g]	0.74	0.35	0.67	0.17	0.19	0.17	0.53
Arsenic [µg/g]	660	41	32	440	87	55	86
Boron [µg/g]	< 1	2	2	1	1	< 1	3
Barium [µg/g]	130	72	58	160	120	550	41
Beryllium [µg/g]	0.67	0.18	0.19	0.84	0.10	0.96	0.09
Bismuth [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	30000	16000	23000	50000	31000	30000	19000
Cadmium [µg/g]	0.11	0.08	0.09	0.10	0.12	0.38	0.12
Cobalt [µg/g]	41	34	32	82	33	30	28
Chromium [µg/g]	990	130	140	1400	96	780	85
Copper [µg/g]	43	43	61	31	56	32	130

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LR Report : **CA15179-OCT16**

Analysis	48: AMQ-ENV16-56	49: AMQ-ENV16-57	50: AMQ-ENV16-58	51: AMQ-ENV16-59	52: AMQ-ENV16-60	53: AMQ-ENV16-61	54: AMQ-ENV16-62
Iron [µg/g]	37000	54000	39000	63000	66000	46000	35000
Potassium [µg/g]	20000	8000	8300	14000	17000	20000	3500
Lithium [µg/g]	17	26	26	15	32	18	19
Magnesium [µg/g]	29000	19000	17000	46000	24000	40000	14000
Manganese [µg/g]	950	1300	850	1800	1900	690	670
Molybdenum [µg/g]	0.4	0.5	0.2	0.6	0.2	0.6	0.3
Sodium [µg/g]	91	170	180	63	270	160	250
Nickel [µg/g]	520	77	61	490	64	160	39
Phosphorus [µg/g]	45	240	230	140	300	760	210
Lead [µg/g]	10	1.5	1.4	2.6	2.1	4.7	1.5
Antimony [µg/g]	2.5	1.1	< 0.8	2.0	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	4100	4700	4500	7000	7200	5000	4100
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.7	< 0.5
Strontium [µg/g]	200	17	22	130	26	210	15
Titanium [µg/g]	1000	1200	1200	1200	1800	2000	890
Thallium [µg/g]	0.53	0.26	0.16	0.46	0.36	0.74	0.11
Uranium [µg/g]	0.019	0.034	0.022	0.20	0.045	1.3	0.040
Vanadium [µg/g]	48	97	90	70	180	75	70
Zinc [µg/g]	36	92	46	49	72	45	38

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Project Specialist
Environmental Services, Analytical

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27-October-2016

Agnico Eagle Mines Limited
Attn : Serge Ouellet

Date Rec. : 11 October 2016
LR Report: **CA15180-OCT16**

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700 x5820, Fax:(819) 759-3663

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
5: AMQ-ENV16-13	47.3	17.2	12.1	4.29	10.9	2.33	1.29	1.01	0.08	0.47	0.02	0.07	3.58	100.7
6: AMQ-ENV16-14	42.5	13.5	19.5	5.57	12.1	0.67	1.15	0.77	0.07	0.89	0.24	0.04	3.57	100.5
7: AMQ-ENV16-15	43.6	8.12	22.5	9.45	9.88	0.48	1.01	0.48	0.04	1.06	0.48	0.03	3.81	100.9
8: AMQ-ENV16-16	46.4	6.08	9.49	15.4	13.4	0.55	1.40	0.33	0.18	0.23	0.22	0.02	7.07	100.8
9: AMQ-ENV16-17	52.4	10.0	10.5	9.09	4.67	1.65	3.52	0.57	0.26	0.18	0.10	0.03	7.50	100.5
10: AMQ-ENV16-18	43.6	13.0	17.5	5.78	12.7	1.04	1.13	0.83	0.06	0.76	0.18	0.06	4.11	100.8
11: AMQ-ENV16-19	47.6	16.4	11.1	4.89	9.79	2.93	1.21	0.89	0.07	0.34	0.03	0.06	5.23	100.6
12: AMQ-ENV16-20	60.8	15.4	8.21	3.10	2.27	0.53	5.00	0.56	0.17	0.11	0.02	0.02	4.23	100.4
13: AMQ-ENV16-21	42.3	10.6	18.5	8.32	9.16	1.07	0.95	0.64	0.05	0.62	0.24	0.04	8.28	100.8
14: AMQ-ENV16-22	55.3	11.0	13.3	5.15	5.35	1.15	1.99	0.63	0.08	0.16	0.03	0.03	4.71	98.9
15: AMQ-ENV16-23	43.0	9.98	14.0	13.2	7.21	0.46	1.96	0.62	0.05	0.42	0.32	0.04	9.58	100.8
16: AMQ-ENV16-24	42.7	7.50	10.4	18.8	6.65	0.30	0.34	0.32	0.03	0.24	0.26	0.02	13.3	100.9
17: AMQ-ENV16-25	41.5	6.47	9.48	22.5	5.73	0.42	0.55	0.30	0.03	0.17	0.28	0.03	12.9	100.3
18: AMQ-ENV16-26	40.8	8.73	11.7	23.9	3.86	0.06	0.47	0.40	0.03	0.14	0.36	0.02	10.1	100.6
19: AMQ-ENV16-27	47.4	7.01	8.05	18.2	5.85	0.80	2.02	0.29	0.02	0.16	0.26	0.02	10.8	100.7
20: AMQ-ENV16-28	51.8	9.86	7.49	12.0	4.95	2.83	1.79	0.44	0.21	0.13	0.14	0.03	8.92	100.6
21: AMQ-ENV16-29	41.4	6.58	9.48	21.9	5.93	0.09	1.27	0.29	0.03	0.18	0.27	0.02	13.1	100.5
22: AMQ-ENV16-30	40.6	6.83	10.1	24.3	5.28	0.02	0.63	0.32	0.02	0.18	0.32	0.02	12.2	100.8
23: AMQ-ENV16-31	42.9	7.04	10.3	23.9	5.75	0.06	0.34	0.32	0.03	0.16	0.31	0.02	9.71	100.8

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LR Report : **CA15180-OCT16**

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
24: AMQ-ENV16-32	61.0	16.9	7.15	2.82	1.59	0.95	5.37	0.58	0.13	0.09	0.02	0.02	3.33	99.9
25: AMQ-ENV16-33	41.4	7.06	10.5	24.3	5.44	0.04	0.08	0.35	0.02	0.17	0.34	0.03	11.0	100.7
26: AMQ-ENV16-34	55.7	11.2	8.27	11.9	2.15	1.52	4.40	0.56	0.22	0.09	0.15	0.03	4.09	100.2
27: AMQ-ENV16-35	46.2	7.20	9.77	19.8	4.29	1.02	2.00	0.41	0.27	0.13	0.26	0.02	9.39	100.8
28: AMQ-ENV16-36	46.8	7.19	9.57	21.7	5.09	0.55	1.46	0.38	0.19	0.14	0.26	0.02	7.46	100.8
29: AMQ-ENV16-37	40.3	8.26	11.0	23.0	4.94	0.16	0.29	0.37	0.03	0.16	0.32	0.04	12.1	100.9
30: AMQ-ENV16-38	44.2	7.69	10.4	22.7	6.02	0.16	0.82	0.33	0.03	0.16	0.32	0.02	7.63	100.4
31: AMQ-ENV16-39	49.5	8.61	8.84	16.7	3.72	1.80	1.62	0.43	0.26	0.13	0.22	0.02	8.57	100.4
32: AMQ-ENV16-40	48.8	5.69	9.50	23.9	2.40	0.11	1.42	0.31	0.14	0.09	0.25	0.02	7.91	100.5
33: AMQ-ENV16-41	52.2	13.8	13.1	5.24	8.10	1.35	0.82	0.82	0.07	0.39	0.03	0.04	4.17	100.2
34: AMQ-ENV16-42	63.7	16.2	5.30	1.74	2.28	3.04	3.66	0.47	0.14	0.07	< 0.01	0.01	2.96	99.6
35: AMQ-ENV16-43	59.9	17.4	8.42	2.37	1.75	2.76	4.00	0.58	0.18	0.09	< 0.01	0.02	3.22	100.6
36: AMQ-ENV16-44	63.0	17.9	5.48	2.21	1.18	2.51	4.80	0.59	0.18	0.06	0.01	0.02	2.28	100.2
37: AMQ-ENV16-45	59.5	16.9	8.19	2.64	1.92	1.84	4.10	0.58	0.20	0.09	0.01	0.02	3.23	99.2
38: AMQ-ENV16-46	61.5	17.4	5.53	2.18	2.87	2.16	4.30	0.56	0.17	0.09	0.01	0.01	3.26	100.0
39: AMQ-ENV16-47	66.9	14.9	4.94	1.88	2.64	2.13	3.60	0.45	0.16	0.08	< 0.01	0.01	2.52	100.2
40: AMQ-ENV16-48	62.4	16.4	6.03	2.35	1.91	2.69	4.18	0.51	0.16	0.06	0.01	< 0.01	3.37	100.1
41: AMQ-ENV16-49	68.0	14.8	4.52	1.91	1.43	1.65	4.41	0.33	0.12	0.06	< 0.01	< 0.01	2.90	100.1
42: AMQ-ENV16-50	63.6	14.5	8.73	2.23	1.69	1.85	3.69	0.44	0.15	0.13	0.01	0.02	3.15	100.2
43: AMQ-ENV16-51	61.5	17.6	6.13	2.55	2.66	2.12	4.07	0.59	0.18	0.08	0.02	0.02	3.00	100.5
44: AMQ-ENV16-52	49.8	14.3	12.7	7.38	9.30	1.66	0.87	0.92	0.07	0.26	0.04	0.06	3.59	100.9
45: AMQ-ENV16-53	52.4	6.74	14.8	10.2	7.80	0.12	0.82	0.36	0.04	0.46	0.33	0.04	4.32	98.4
46: AMQ-ENV16-54	55.1	11.0	11.0	5.13	6.14	1.60	1.82	0.62	0.07	0.30	0.06	0.04	5.36	98.3
47: AMQ-ENV16-55	48.0	5.79	9.90	23.0	6.59	0.19	0.17	0.32	0.12	0.20	0.28	0.03	6.24	100.8
48: AMQ-ENV16-56	55.8	5.11	9.43	12.9	8.65	0.07	2.22	0.22	0.01	0.28	0.20	0.02	4.63	99.5
49: AMQ-ENV16-57	49.5	13.8	13.7	6.58	9.26	1.24	1.36	0.82	0.06	0.38	0.04	0.06	3.64	100.4
50: AMQ-ENV16-58	50.3	13.4	11.2	6.57	10.9	1.02	1.81	0.78	0.06	0.28	0.05	0.06	4.11	100.5
51: AMQ-ENV16-59	41.1	7.48	14.7	14.7	8.05	0.04	1.51	0.40	0.04	0.46	0.43	0.03	11.3	100.2
52: AMQ-ENV16-60	46.3	16.6	12.7	5.11	8.64	2.12	2.07	0.99	0.08	0.48	0.02	0.06	5.86	101.1
53: AMQ-ENV16-61	50.8	9.58	8.97	12.5	4.63	2.71	2.64	0.50	0.20	0.13	0.19	0.03	7.67	100.5
54: AMQ-ENV16-62	51.9	12.1	12.4	6.80	10.3	1.53	0.67	0.70	0.05	0.29	0.04	0.04	3.34	100.1

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LR Report : **CA15180-OCT16**



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Project Specialist
Environmental Services, Analytical

OnLine LIMS

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27-October-2016

Agnico Eagle Mines Limited
Attn : Serge Ouellet

Date Rec. : 11 October 2016
LR Report: **CA15181-OCT16**

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700 x5820, Fax:(819) 759-3663

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-13	6: AMQ-ENV16-14	7: AMQ-ENV16-15	8: AMQ-ENV16-16	9: AMQ-ENV16-17	10: AMQ-ENV16-18	11: AMQ-ENV16-19	12: AMQ-ENV16-20	13: AMQ-ENV16-21
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	21-Oct-16	14:09	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	21-Oct-16	14:09	800	800	800	800	800	800	800	800	800
Initial pH	21-Oct-16	14:09	9.85	10.00	9.89	10.02	9.91	9.98	10.06	9.81	9.88
Final pH	21-Oct-16	14:09	9.75	9.39	9.65	9.80	9.47	9.70	9.65	9.20	9.42
pH [no unit]	24-Oct-16	11:32	9.09	8.00	8.57	9.32	9.06	8.54	8.34	8.00	8.53
Alkalinity [mg/L as CaCO3]	25-Oct-16	14:40	35	34	34	40	65	36	33	33	48
Conductivity [uS/cm]	24-Oct-16	11:32	90	109	91	116	172	98	74	120	118
Fluoride [mg/L]	25-Oct-16	11:51	0.17	0.26	0.33	0.13	0.15	0.26	0.15	0.24	0.15
Chloride [mg/L]	27-Oct-16	11:01	5	12	5	4	6	7	3	5	3
Sulphate [mg/L]	27-Oct-16	11:01	1	2	1	4	4	1	1	6	2
Mercury [mg/L]	25-Oct-16	10:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	26-Oct-16	12:07	0.000033	0.000011	0.000004	0.000003	0.000009	0.000005	< 0.000002	0.000004	< 0.000002
Aluminum [mg/L]	26-Oct-16	12:07	1.31	0.673	0.254	0.026	0.178	0.759	0.933	0.746	0.521
Arsenic [mg/L]	26-Oct-16	12:07	0.0050	0.0080	0.347	2.81	0.0161	0.0324	0.0151	0.0606	0.0669
Barium [mg/L]	26-Oct-16	12:07	0.00330	0.0135	0.00589	0.0255	0.0632	0.00923	0.00798	0.00222	0.00408
Boron [mg/L]	26-Oct-16	12:07	0.028	0.032	0.033	0.009	0.013	0.050	0.028	0.014	0.010
Beryllium [mg/L]	26-Oct-16	12:07	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	26-Oct-16	12:07	< 0.000007	0.000009	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	26-Oct-16	12:07	3.85	6.35	4.69	6.04	4.53	4.00	4.28	7.58	4.35
Cadmium [mg/L]	26-Oct-16	12:07	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003

OnLine LIMS

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SFE-24hr 4:1 L/S Ratio

LR Report : **CA15181-OCT16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-13	6: AMQ-ENV16-14	7: AMQ-ENV16-15	8: AMQ-ENV16-16	9: AMQ-ENV16-17	10: AMQ-ENV16-18	11: AMQ-ENV16-19	12: AMQ-ENV16-20	13: AMQ-ENV16-21
Cobalt [mg/L]	26-Oct-16	12:07	0.000030	0.000017	0.000028	0.000027	0.000008	0.000029	0.000010	0.000014	0.000015
Chromium [mg/L]	26-Oct-16	12:07	0.00012	0.00009	0.00032	0.00303	0.00009	0.00027	0.00008	0.00005	0.00008
Copper [mg/L]	26-Oct-16	12:07	0.00010	0.00006	0.00006	0.00010	0.00011	0.00014	0.00011	0.00010	0.00017
Iron [mg/L]	26-Oct-16	12:07	0.013	< 0.007	0.012	< 0.007	< 0.007	0.012	< 0.007	0.011	< 0.007
Potassium [mg/L]	26-Oct-16	12:07	15.2	20.5	19.8	23.6	44.9	16.4	10.4	23.0	29.0
Lithium [mg/L]	26-Oct-16	12:07	0.0002	0.0004	0.0003	0.0003	0.0030	0.0003	0.0003	0.0005	0.0002
Magnesium [mg/L]	26-Oct-16	12:07	0.268	0.776	0.678	1.27	1.55	0.375	0.367	0.968	0.665
Manganese [mg/L]	26-Oct-16	12:07	0.00066	0.00123	0.00077	0.00018	0.00053	0.00073	0.00077	0.00079	0.00076
Molybdenum [mg/L]	26-Oct-16	12:07	0.00025	0.00035	0.00012	0.00025	0.00053	0.00018	0.00014	0.00698	0.00042
Sodium [mg/L]	26-Oct-16	12:07	6.39	2.53	1.63	1.86	4.46	6.68	4.63	1.44	2.30
Nickel [mg/L]	26-Oct-16	12:07	0.0002	0.0002	0.0003	0.0008	0.0001	0.0001	< 0.0001	0.0002	0.0003
Phosphorus [mg/L]	26-Oct-16	12:07	< 0.003	< 0.003	< 0.003	0.004	0.006	< 0.003	0.005	0.007	< 0.003
Lead [mg/L]	26-Oct-16	12:07	0.00003	0.00001	< 0.00001	0.00001	0.00008	0.00003	0.00002	0.00003	0.00002
Antimony [mg/L]	26-Oct-16	12:07	0.0075	0.0060	0.0127	0.0255	0.0037	0.0133	0.0083	0.0110	0.0086
Selenium [mg/L]	26-Oct-16	12:07	0.00013	0.00010	0.00012	0.00018	0.00037	0.00011	0.00013	0.00025	0.00012
Silicon [mg/L]	26-Oct-16	12:07	2.90	1.82	3.92	14.4	3.88	2.77	1.95	1.71	1.69
Tin [mg/L]	26-Oct-16	12:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00007	< 0.00001	< 0.00001
Strontium [mg/L]	26-Oct-16	12:07	0.0138	0.0210	0.0207	0.0978	0.0368	0.0162	0.0220	0.0201	0.0121
Titanium [mg/L]	26-Oct-16	12:07	0.00040	0.00021	0.00040	0.00018	0.00010	0.00028	0.00017	0.00043	0.00008
Thallium [mg/L]	26-Oct-16	12:07	0.000007	0.000006	< 0.000005	0.000012	0.000016	< 0.000005	0.000007	0.000011	0.000009
Uranium [mg/L]	26-Oct-16	12:07	< 0.000002	< 0.000002	< 0.000002	0.000002	< 0.000002	< 0.000002	< 0.000002	0.000257	< 0.000002
Vanadium [mg/L]	26-Oct-16	12:07	0.0238	0.00305	0.0104	0.0186	0.00535	0.0145	0.0120	0.00377	0.00437
Zinc [mg/L]	26-Oct-16	12:07	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	14: AMQ-ENV16-22	15: AMQ-ENV16-23	16: AMQ-ENV16-24	17: AMQ-ENV16-25	18: AMQ-ENV16-26	19: AMQ-ENV16-27	20: AMQ-ENV16-28	21: AMQ-ENV16-29	22: AMQ-ENV16-30	23: AMQ-ENV16-31	24: AMQ-ENV16-32
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	200	200	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800	800	800	800
Initial pH	9.85	9.92	9.82	9.74	9.82	9.85	9.73	9.41	9.82	9.79	9.86
Final pH	9.00	9.45	9.24	9.35	9.55	9.50	9.45	9.46	9.54	9.67	9.59
pH [no unit]	7.89	8.44	8.42	8.55	8.25	8.92	8.87	8.92	8.39	8.49	8.01
Alkalinity [mg/L as CaCO3]	38	51	55	49	39	56	71	53	48	45	46
Conductivity [uS/cm]	152	127	125	118	96	150	169	132	122	107	109

OnLine LIMS

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SFE-24hr 4:1 L/S Ratio

LR Report : **CA15181-OCT16**

Analysis	14: AMQ-ENV16-22	15: AMQ-ENV16-23	16: AMQ-ENV16-24	17: AMQ-ENV16-25	18: AMQ-ENV16-26	19: AMQ-ENV16-27	20: AMQ-ENV16-28	21: AMQ-ENV16-29	22: AMQ-ENV16-30	23: AMQ-ENV16-31	24: AMQ-ENV16-32
Fluoride [mg/L]	0.09	0.14	0.08	0.09	0.09	0.12	0.13	0.10	0.08	0.06	0.18
Chloride [mg/L]	23	3	4	4	3	4	4	3	4	3	4
Sulphate [mg/L]	4	2	1	2	1	3	3	2	2	1	1
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	0.000009	< 0.000002	< 0.000002	< 0.000002	0.000002	< 0.000002	0.000002	< 0.000002	< 0.000002	< 0.000002	0.000002
Aluminum [mg/L]	0.424	0.190	0.034	0.017	0.024	0.019	0.064	0.021	0.018	0.017	1.22
Arsenic [mg/L]	0.0311	0.137	0.603	0.873	0.112	3.25	0.826	1.63	1.22	0.166	0.112
Barium [mg/L]	0.00838	0.00538	0.0222	0.0428	0.0199	0.0379	0.0479	0.0391	0.0293	0.0201	0.00172
Boron [mg/L]	0.016	0.014	0.010	0.016	0.015	0.014	0.012	0.011	0.011	0.011	0.011
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	11.3	4.29	8.40	7.56	4.46	5.12	8.39	6.75	4.75	3.99	3.74
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000006	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000015	0.000043	0.000404	0.000037	0.000024	0.000042	0.000050	0.000046	0.000030	0.000011	0.000041
Chromium [mg/L]	< 0.00003	0.00014	0.00024	0.00032	0.00014	0.00162	0.00048	0.00071	0.00054	0.00029	0.00034
Copper [mg/L]	0.00008	0.00008	0.00016	0.00017	0.00018	0.00010	0.00017	0.00013	0.00022	0.00012	0.00036
Iron [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.044
Potassium [mg/L]	19.6	32.1	16.8	16.8	20.2	34.9	33.5	27.0	28.3	25.2	26.6
Lithium [mg/L]	0.0004	0.0002	0.0002	0.0002	< 0.0001	0.0004	0.0010	0.0003	0.0002	< 0.0001	0.0008
Magnesium [mg/L]	2.10	1.20	4.63	4.10	1.58	2.17	2.53	3.08	2.11	1.40	0.455
Manganese [mg/L]	0.00113	0.00056	0.00058	0.00028	0.00017	0.00027	0.00028	0.00021	0.00021	0.00012	0.00132
Molybdenum [mg/L]	0.00038	0.00029	0.00022	0.00044	0.00009	0.00039	0.00097	0.00029	0.00016	0.00032	0.00125
Sodium [mg/L]	3.42	1.27	1.24	1.18	0.56	2.13	4.17	0.66	0.95	1.05	2.33
Nickel [mg/L]	0.0004	0.0030	0.0565	0.0012	0.0004	0.0012	0.0012	0.0011	0.0007	0.0003	0.0002
Phosphorus [mg/L]	< 0.003	0.004	< 0.003	< 0.003	< 0.003	< 0.003	0.005	< 0.003	< 0.003	< 0.003	0.008
Lead [mg/L]	0.00002	0.00002	< 0.00001	0.00008	0.00004	0.00005	0.00004	0.00005	0.00003	< 0.00001	0.00004
Antimony [mg/L]	0.0083	0.0086	0.0084	0.0203	0.0111	0.0312	0.0151	0.0202	0.0327	0.0128	0.0060
Selenium [mg/L]	0.00032	0.00017	0.00010	0.00017	0.00010	0.00017	0.00013	0.00011	0.00013	0.00010	0.00023
Silicon [mg/L]	1.57	3.17	3.55	4.83	4.06	5.74	5.34	4.49	4.87	4.85	2.24
Tin [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00006	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Strontium [mg/L]	0.0534	0.0185	0.0535	0.102	0.0710	0.107	0.0475	0.0931	0.0587	0.0422	0.0107
Titanium [mg/L]	0.00011	0.00020	< 0.00005	0.00012	< 0.00005	0.00039	0.00015	0.00010	0.00009	0.00006	0.00237
Thallium [mg/L]	< 0.000005	0.000007	0.000030	0.000058	0.000037	0.000017	0.000022	0.000018	0.000031	0.000028	< 0.000005
Uranium [mg/L]	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	0.000014	< 0.000002	< 0.000002	< 0.000002	0.000710
Vanadium [mg/L]	0.00168	0.00760	0.00284	0.00515	0.00462	0.0111	0.00792	0.00732	0.00659	0.00625	0.00943
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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SFE-24hr 4:1 L/S Ratio

LR Report : **CA15181-OCT16**

Analysis	25: AMQ-ENV16-33	26: AMQ-ENV16-34	27: AMQ-ENV16-35	28: AMQ-ENV16-36	29: AMQ-ENV16-37	30: AMQ-ENV16-38	31: AMQ-ENV16-39	32: AMQ-ENV16-40	33: AMQ-ENV16-41	34: AMQ-ENV16-42	35: AMQ-ENV16-43
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	200	200	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800	800	800	800
Initial pH	9.78	9.89	9.69	9.83	9.83	9.82	9.23	9.15	9.78	9.90	9.84
Final pH	9.46	9.92	9.70	9.82	9.59	9.59	9.19	9.33	9.48	9.63	9.45
pH [no unit]	7.98	9.32	9.11	8.98	8.98	8.78	8.72	7.92	8.73	8.71	8.18
Alkalinity [mg/L as CaCO3]	28	49	62	42	40	44	53	38	32	43	41
Conductivity [uS/cm]	85	124	139	106	88	112	174	146	78	100	102
Fluoride [mg/L]	0.08	0.17	0.11	0.10	< 0.06	< 0.06	0.09	0.10	0.19	0.27	0.47
Chloride [mg/L]	3	2	2	2	2	3	7	7	5	3	4
Sulphate [mg/L]	1	2	1	2	1	2	17	14	1	2	2
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.000002	< 0.000002	< 0.000002	< 0.000002	0.000002	0.000008	0.000006	0.000007	0.000005	0.000002	0.000003
Aluminum [mg/L]	0.020	0.229	0.023	0.033	0.033	0.029	0.040	0.020	0.720	1.47	1.39
Arsenic [mg/L]	0.424	0.891	0.201	0.0063	0.0503	1.000	1.39	1.58	0.0278	0.120	0.0481
Barium [mg/L]	0.0116	0.0105	0.0465	0.0252	0.0266	0.0202	0.0600	0.0679	0.00230	0.00139	0.00153
Boron [mg/L]	0.012	0.016	0.013	0.011	0.025	0.026	0.014	0.019	0.024	0.018	0.022
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	6.01	2.19	4.48	3.21	4.72	4.68	8.37	5.80	5.79	3.72	4.43
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003
Cobalt [mg/L]	0.000078	0.000104	0.000016	0.000040	0.000010	0.000021	0.000075	0.000052	0.000013	0.000186	0.000024
Chromium [mg/L]	0.00021	0.00114	0.00041	0.00097	0.00021	0.00063	0.00045	0.00104	0.00008	0.00006	0.00010
Copper [mg/L]	0.00050	0.00053	0.00037	0.00064	0.00045	0.00019	0.00012	0.00021	0.00030	0.00029	0.00013
Iron [mg/L]	< 0.007	0.022	0.009	0.027	< 0.007	0.009	< 0.007	0.012	0.007	0.016	0.030
Potassium [mg/L]	11.6	35.1	36.0	27.8	17.6	27.2	30.1	26.7	9.16	17.3	17.5
Lithium [mg/L]	< 0.0001	0.0002	0.0010	0.0006	< 0.0001	0.0001	0.0012	0.0016	0.0003	0.0005	0.0003
Magnesium [mg/L]	2.66	0.238	1.66	0.764	1.65	1.18	4.57	3.78	0.687	0.289	0.386
Manganese [mg/L]	0.00020	0.00039	0.00021	0.00061	0.00035	0.00019	0.00055	0.00029	0.00052	0.00052	0.00052
Molybdenum [mg/L]	0.00009	0.00189	0.00075	0.00048	0.00017	0.00024	0.00092	0.00109	0.00036	0.00254	0.00308
Sodium [mg/L]	0.79	2.64	1.99	1.37	1.92	2.13	2.60	0.96	4.09	6.89	5.84
Nickel [mg/L]	0.0010	0.0006	0.0006	0.0009	0.0004	0.0009	0.0016	0.0018	0.0001	0.0008	0.0001
Phosphorus [mg/L]	< 0.003	0.018	0.006	0.007	< 0.003	0.004	0.014	0.012	0.004	0.013	0.014
Lead [mg/L]	0.00002	0.00008	0.00006	0.00003	0.00002	0.00002	< 0.00001	0.00001	0.00001	0.00010	0.00004
Antimony [mg/L]	0.0173	0.0163	0.0086	0.0057	0.0119	0.0329	0.0114	0.0138	0.0084	0.0041	0.0042
Selenium [mg/L]	0.00009	0.00010	0.00012	0.00010	0.00009	0.00008	0.00015	0.00233	0.00009	0.00012	0.00013

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Analysis	25: AMQ-ENV16-33	26: AMQ-ENV16-34	27: AMQ-ENV16-35	28: AMQ-ENV16-36	29: AMQ-ENV16-37	30: AMQ-ENV16-38	31: AMQ-ENV16-39	32: AMQ-ENV16-40	33: AMQ-ENV16-41	34: AMQ-ENV16-42	35: AMQ-ENV16-43
Silicon [mg/L]	4.76	5.09	5.68	6.38	3.97	5.96	4.55	5.54	2.33	2.80	2.10
Tin [mg/L]	0.00006	< 0.00001	< 0.00001	0.00001	< 0.00001	0.00001	< 0.00001	0.00001	0.00005	< 0.00001	0.00004
Strontium [mg/L]	0.0612	0.0272	0.0470	0.0363	0.0739	0.0420	0.0681	0.0372	0.0115	0.0150	0.0128
Titanium [mg/L]	< 0.00005	0.00103	0.00030	0.00118	0.00008	0.00022	0.00011	0.00020	0.00030	0.00178	0.00155
Thallium [mg/L]	0.000055	0.000013	0.000015	0.000014	0.000022	0.000025	0.000045	0.000059	0.000008	0.000006	< 0.000005
Uranium [mg/L]	< 0.000002	0.000008	< 0.000002	< 0.000002	< 0.000002	< 0.000002	0.000017	0.000018	< 0.000002	0.000674	0.000760
Vanadium [mg/L]	0.00501	0.0157	0.00667	0.00601	0.00400	0.0115	0.00769	0.0368	0.0104	0.0107	0.00887
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	36: AMQ-ENV16-44	37: AMQ-ENV16-45	38: AMQ-ENV16-46	39: AMQ-ENV16-47	40: AMQ-ENV16-48	41: AMQ-ENV16-49	42: AMQ-ENV16-50	43: AMQ-ENV16-51	44: AMQ-ENV16-52	45: AMQ-ENV16-53	46: AMQ-ENV16-54
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	200	200	200	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800	800	800	800
Initial pH	9.73	9.89	9.94	9.91	9.86	9.78	9.75	9.93	9.85	9.80	9.83
Final pH	9.62	9.61	9.65	9.69	9.46	9.27	5.24	9.69	9.70	9.12	9.26
pH [no unit]	8.10	7.99	8.44	8.22	7.95	8.00	5.71	8.23	9.08	8.21	8.38
Alkalinity [mg/L as CaCO3]	45	47	45	45	42	42	< 2	45	33	40	41
Conductivity [uS/cm]	112	109	104	98	114	128	348	98	75	138	113
Fluoride [mg/L]	0.42	0.52	0.33	0.35	0.26	0.28	0.06	0.34	0.15	0.15	0.11
Chloride [mg/L]	5	4	3	2	6	7	14	2	3	20	9
Sulphate [mg/L]	4	2	2	2	3	5	140	1	2	2	2
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	0.000009	0.000003	< 0.000002	0.000002	0.000003	0.000009	0.000002	0.000005	0.000003	0.000006	< 0.000002
Aluminum [mg/L]	2.33	1.75	1.71	1.53	1.08	0.739	0.083	1.64	0.551	0.121	0.605
Arsenic [mg/L]	0.149	0.123	0.156	0.135	0.0333	0.118	0.0099	0.108	0.0075	0.644	0.0755
Barium [mg/L]	0.0114	0.00209	0.00148	0.00222	0.00191	0.00375	0.0689	0.00209	0.00132	0.00441	0.00292
Boron [mg/L]	0.019	0.017	0.019	0.019	0.031	0.036	0.025	0.022	0.032	0.015	0.014
Beryllium [mg/L]	0.000020	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000075	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007	< 0.000007
Calcium [mg/L]	2.42	3.18	3.26	3.02	5.32	7.06	12.6	3.01	4.22	10.4	6.89
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.00144	0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000229	0.000020	0.000030	0.000040	0.000014	0.000018	0.0766	0.000063	0.000011	0.000118	0.000065
Chromium [mg/L]	0.00254	0.00028	0.00013	0.00018	0.00006	0.00007	0.00007	0.00027	0.00008	0.00024	0.00005

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Analysis	36: AMQ-ENV16-44	37: AMQ-ENV16-45	38: AMQ-ENV16-46	39: AMQ-ENV16-47	40: AMQ-ENV16-48	41: AMQ-ENV16-49	42: AMQ-ENV16-50	43: AMQ-ENV16-51	44: AMQ-ENV16-52	45: AMQ-ENV16-53	46: AMQ-ENV16-54
Copper [mg/L]	0.0115	0.00020	0.00041	0.00052	0.00022	0.00074	0.00252	0.00020	0.00012	0.00010	0.00009
Iron [mg/L]	0.505	0.079	0.032	0.062	0.023	0.024	0.654	0.078	0.010	< 0.007	< 0.007
Potassium [mg/L]	24.9	24.8	23.7	21.1	20.3	22.1	39.7	23.6	11.4	17.4	18.7
Lithium [mg/L]	0.0013	0.0002	0.0004	0.0007	0.0007	0.0023	0.0391	0.0004	0.0001	0.0003	0.0005
Magnesium [mg/L]	0.470	0.285	0.276	0.266	0.642	0.915	12.4	0.319	0.474	3.41	1.18
Manganese [mg/L]	0.00736	0.00106	0.00077	0.00141	0.00060	0.00173	2.88	0.00137	0.00028	0.00183	0.00184
Molybdenum [mg/L]	0.00300	0.00101	0.00084	0.00105	0.00211	0.00671	0.00024	0.00162	0.00030	0.00036	0.00029
Sodium [mg/L]	5.41	4.39	5.01	4.76	5.90	3.82	5.40	5.17	4.00	0.71	3.33
Nickel [mg/L]	0.0012	0.0002	0.0002	0.0001	< 0.0001	0.0001	0.210	0.0002	< 0.0001	0.0028	0.0005
Phosphorus [mg/L]	0.044	0.018	0.020	0.028	0.014	0.019	0.003	0.018	0.006	0.004	< 0.003
Lead [mg/L]	0.00037	0.00005	0.00003	0.00012	0.00002	0.00008	0.00021	0.00006	< 0.00001	< 0.00001	0.00006
Antimony [mg/L]	0.0073	0.0132	0.0130	0.0084	0.0039	0.0061	0.0002	0.0105	0.0052	0.0195	0.0043
Selenium [mg/L]	0.00040	0.00010	0.00024	0.00017	0.00029	0.00053	0.00087	0.00016	0.00011	0.00013	0.00010
Silicon [mg/L]	4.01	2.26	2.79	3.52	2.43	2.68	9.05	2.63	3.39	3.84	1.71
Tin [mg/L]	0.00005	0.00007	0.00001	0.00002	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001	0.00007	0.00001
Strontium [mg/L]	0.00537	0.00947	0.00944	0.00648	0.0184	0.0182	0.0753	0.00909	0.0139	0.0324	0.0376
Titanium [mg/L]	0.0234	0.00302	0.00143	0.00285	0.00078	0.00062	< 0.00005	0.00328	0.00036	0.00016	< 0.00005
Thallium [mg/L]	0.000019	0.000018	0.000010	0.000006	< 0.000005	0.000027	0.000070	0.000014	0.000006	< 0.000005	< 0.000005
Uranium [mg/L]	0.00270	0.00240	0.00211	0.00263	0.000657	0.00194	0.000306	0.00178	0.000074	0.000015	0.000007
Vanadium [mg/L]	0.0197	0.0110	0.0160	0.0150	0.00716	0.00433	0.00002	0.0170	0.0172	0.00503	0.00447
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.155	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	47: AMQ-ENV16-55	48: AMQ-ENV16-56	49: AMQ-ENV16-57	50: AMQ-ENV16-58	51: AMQ-ENV16-59	52: AMQ-ENV16-60	53: AMQ-ENV16-61	54: AMQ-ENV16-62
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800
Initial pH	9.81	10.03	9.83	9.88	9.73	9.94	9.92	9.87
Final pH	9.50	9.76	9.49	9.73	9.08	9.66	9.59	9.70
pH [no unit]	8.31	9.04	8.48	9.02	8.42	8.72	9.02	9.08
Alkalinity [mg/L as CaCO3]	40	47	58	34	62	37	66	29
Conductivity [uS/cm]	99	173	104	98	198	105	155	80
Fluoride [mg/L]	0.16	0.16	0.12	0.12	0.16	0.14	0.12	0.10
Chloride [mg/L]	4	8	10	6	9	2	3	6

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LR Report : **CA15181-OCT16**

Analysis	47: AMQ-ENV16-55	48: AMQ-ENV16-56	49: AMQ-ENV16-57	50: AMQ-ENV16-58	51: AMQ-ENV16-59	52: AMQ-ENV16-60	53: AMQ-ENV16-61	54: AMQ-ENV16-62
Sulphate [mg/L]	2	3	3	2	15	2	2	2
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	0.000004	0.000002	0.000004	0.000002	0.000003	< 0.000002	< 0.000002	0.000003
Aluminum [mg/L]	0.018	0.049	0.522	0.486	0.061	1.49	0.080	0.424
Arsenic [mg/L]	2.48	6.13	0.0213	0.0201	0.903	0.0393	0.149	0.0526
Barium [mg/L]	0.00960	0.0109	0.00225	0.00230	0.0332	0.00176	0.0992	0.00280
Boron [mg/L]	0.015	0.014	0.026	0.025	0.014	0.024	0.014	0.039
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	6.63	3.59	5.63	4.34	8.26	3.10	3.69	5.16
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000029	0.000042	0.000019	0.000028	0.000108	0.000014	0.000016	0.000023
Chromium [mg/L]	0.00120	0.00489	0.00029	0.00031	0.00035	0.00007	0.00032	0.00085
Copper [mg/L]	0.00025	0.00123	0.00018	0.00022	0.00024	0.00025	0.00023	0.00038
Iron [mg/L]	0.008	0.021	0.015	0.010	< 0.007	0.014	< 0.007	0.025
Potassium [mg/L]	16.8	48.9	17.5	18.4	38.8	23.5	36.4	11.0
Lithium [mg/L]	0.0001	0.0003	0.0003	0.0003	0.0005	0.0004	0.0019	0.0002
Magnesium [mg/L]	1.94	0.586	0.794	0.503	4.19	0.306	1.27	0.685
Manganese [mg/L]	0.00025	0.00046	0.00078	0.00040	0.00141	0.00075	0.00043	0.00075
Molybdenum [mg/L]	0.00055	0.00028	0.00028	0.00034	0.00126	0.00014	0.00086	0.00024
Sodium [mg/L]	1.08	1.15	4.30	2.96	1.31	5.71	5.56	3.64
Nickel [mg/L]	0.0008	0.0013	0.0002	0.0002	0.0022	< 0.0001	0.0002	0.0003
Phosphorus [mg/L]	0.008	0.007	< 0.003	0.007	< 0.003	< 0.003	0.012	0.004
Lead [mg/L]	0.00003	0.00004	0.00001	0.00001	< 0.00001	< 0.00001	0.00002	0.00002
Antimony [mg/L]	0.0443	0.0326	0.0077	0.0076	0.0158	0.0083	0.0059	0.0058
Selenium [mg/L]	0.00011	0.00062	0.00018	0.00016	0.00032	0.00012	0.00020	0.00016
Silicon [mg/L]	8.12	10.4	2.54	4.01	3.50	1.68	6.85	3.92
Tin [mg/L]	0.00002	0.00002	< 0.00001	0.00001	< 0.00001	0.00002	< 0.00001	0.00003
Strontium [mg/L]	0.145	0.0727	0.0198	0.0160	0.0527	0.0120	0.0455	0.0132
Titanium [mg/L]	0.00013	0.00030	0.00031	0.00039	0.00007	0.00033	0.00014	0.00049
Thallium [mg/L]	0.000075	0.000010	< 0.000005	< 0.000005	0.000017	< 0.000005	0.000013	< 0.000005
Uranium [mg/L]	0.000019	0.000006	< 0.000002	0.000002	0.000008	< 0.000002	0.000018	0.000003
Vanadium [mg/L]	0.0120	0.0297	0.00922	0.0257	0.00585	0.0146	0.0139	0.0173
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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Environmental Services, Analytical

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

25-September-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac, Rouyn-Noranda
, J0Y 1C0
Phone: (819) 759-3700, Fax:(819) 759-3663

Date Rec. : 15 September 2017
LR Report: **CA15221-SEP17**
Reference: Amaruq Project Golder 1665859

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: IF	6: UM	7: Duplicate	8: Whale Tail Lake
Sample Date & Time			12-Sep-17 11:00	12-Sep-17 11:30	12-Sep-17 13:30	12-Sep-17 10:30
Temperature Upon Receipt [°C]			19.0	19.0	19.0	19.0
pH [no unit]	19-Sep-17	08:21	8.43	8.01	7.97	6.86
Acidity [mg/L as CaCO3]	18-Sep-17	11:14	< 2	< 2	< 2	< 2
Alkalinity [mg/L as CaCO3]	18-Sep-17	11:14	184	68	75	3
Conductivity [uS/cm]	18-Sep-17	11:14	954	281	284	41
Sulphate [mg/L]	21-Sep-17	13:54	270	42	42	< 2
Calcium (dissolved) [mg/L]	20-Sep-17	16:28	88.9	17.5	17.7	4.46
Chloride [mg/L]	21-Sep-17	13:54	26	13	13	8
Fluoride [mg/L]	18-Sep-17	10:53	0.22	0.15	0.15	0.06
Mercury (total) [ug/L]	19-Sep-17	13:53	< 0.01	< 0.01	< 0.01	< 0.01
Silver [mg/L]	20-Sep-17	16:28	0.000002	0.000002	< 0.000002	< 0.000002
Aluminum (dissolved) [mg/L]	20-Sep-17	16:28	0.008	0.006	0.005	0.003
Arsenic (dissolved) [mg/L]	25-Sep-17	09:03	15.4	7.41	7.19	0.0002
Barium (dissolved) [mg/L]	20-Sep-17	16:28	0.0288	0.0439	0.0428	0.00723
Beryllium (dissolved) [mg/L]	20-Sep-17	16:28	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Boron (dissolved) [mg/L]	20-Sep-17	16:28	0.173	0.116	0.115	< 0.002
Bismuth (dissolved) [mg/L]	20-Sep-17	16:28	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Cadmium (dissolved) [mg/L]	20-Sep-17	16:28	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt (dissolved) [mg/L]	20-Sep-17	16:28	0.00149	0.000569	0.000606	< 0.000004
Chromium (dissolved) [mg/L]	20-Sep-17	16:28	0.00089	0.00108	0.00092	0.00085

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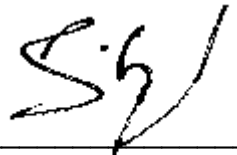
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Test method information available upon request. “Temperature Upon Receipt” is representative of the whole shipment and may not reflect the temperature of individual samples.

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Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: IF	6: UM	7: Duplicate	8: Whale Tail Lake
Copper (dissolved) [mg/L]	20-Sep-17	16:28	0.00464	0.00739	0.00755	0.00328
Iron (dissolved) [mg/L]	20-Sep-17	16:28	0.040	0.057	0.046	< 0.007
Potassium (dissolved) [mg/L]	20-Sep-17	16:28	103	29.4	29.7	0.572
Lithium (dissolved) [mg/L]	20-Sep-17	16:28	0.0299	0.0057	0.0056	0.0012
Magnesium (dissolved) [mg/L]	20-Sep-17	16:28	31.8	6.92	6.86	1.04
Manganese (dissolved) [mg/L]	20-Sep-17	16:28	0.0462	0.00375	0.00401	0.00240
Molybdenum (dissolved) [mg/L]	20-Sep-17	16:28	0.00752	0.00170	0.00165	< 0.00001
Sodium (dissolved) [mg/L]	20-Sep-17	16:28	33.8	14.3	14.6	0.67
Nickel (dissolved) [mg/L]	20-Sep-17	16:28	0.114	0.0137	0.0135	0.0007
Phosphorus (dissolved) [mg/L]	20-Sep-17	16:28	0.019	0.006	0.008	0.008
Lead (dissolved) [mg/L]	20-Sep-17	16:28	0.00010	0.00029	0.00025	0.00012
Antimony (dissolved) [mg/L]	20-Sep-17	16:28	0.547	0.0768	0.0781	0.0003
Selenium (dissolved) [mg/L]	20-Sep-17	16:28	0.00065	0.00056	0.00057	< 0.00004
Strontium (dissolved) [mg/L]	20-Sep-17	16:28	0.477	0.204	0.206	0.03463
Tin (dissolved) [mg/L]	20-Sep-17	16:28	0.00043	0.00325	0.00327	0.00130
Titanium (dissolved) [mg/L]	20-Sep-17	16:28	0.00019	0.00018	0.00021	0.00005
Thallium (dissolved) [mg/L]	20-Sep-17	16:28	0.000008	0.000044	0.000040	< 0.000005
Uranium (dissolved) [mg/L]	20-Sep-17	16:28	0.00139	0.00221	0.00212	0.000067
Vanadium (dissolved) [mg/L]	20-Sep-17	16:28	0.0107	0.0255	0.0256	0.00002
Zinc (dissolved) [mg/L]	20-Sep-17	16:28	0.007	0.053	0.053	0.004



Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

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LR Report : **CA15221-SEP17**

Quality Control Report

Inorganic Analysis												
Parameter	Reporting Limit	Unit	Method Blank		RPD	Acceptance Criteria	LCS / Spike Blank			Matrix Spike / Reference Material		
							Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
						%		Low	High		Low	High
Acidity - QCBatchID: EWL0206-SEP17												
Acidity	2	mg/L as Ca	2		ND	10	120	90	110	NA		
Alkalinity - QCBatchID: EWL0206-SEP17												
Alkalinity	2	mg/L as Ca	< 2		0	10	100	90	110	NA		
Anions by discrete analyzer - QCBatchID: DIO0234-SEP17												
Chloride	1	mg/L	<1		0	20	103	80	120	107	75	125
Sulphate	2	mg/L	<2		1	20	102	80	120	109	75	125
Anions by discrete analyzer - QCBatchID: DIO0262-SEP17												
Sulphate	2	mg/L	<2		1	20	103	80	120	97	75	125
Conductivity - QCBatchID: EWL0206-SEP17												
Conductivity	2	uS/cm	< 2		0	10	99	90	110	NA		
Flouride by Specific Ion Electrode - QCBatchID: EWL0207-SEP17												
Fluoride	0.06	mg/L	<0.06		ND	10	100	90	110	-1	75	125
Mercury by CVAAS - QCBatchID: EHG0024-SEP17												
Mercury (total)	0.01	ug/L	< 0.1		ND	20	80	90	110	106	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0101-SEP17												
Aluminum (dissolved)	0.001	mg/L	<0.001		ND	20	101	90	110	116	70	130
Antimony (dissolved)	0.0002	mg/L	<0.0002		ND	20	97	90	110	96	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002		ND	20	103	90	110	112	70	130
Barium (dissolved)	0.00002	mg/L	<0.00002		ND	20	97	90	110	NV	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007		ND	20	98	90	110	107	70	130
Bismuth (dissolved)	0.000007	mg/L	<0.000007		ND	20	93	90	110	117	70	130
Boron (dissolved)	0.002	mg/L	<0.002		ND	20	93	90	110	NV	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003		ND	20	101	90	110	NV	70	130
Calcium (dissolved)	0.01	mg/L	<0.01		ND	20	102	90	110	NV	70	130
Chromium (dissolved)	0.00003	mg/L	<0.00003		ND	20	101	90	110	101	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004		ND	20	99	90	110	122	70	130
Copper (dissolved)	0.00002	mg/L	<0.00002		55	20	96	90	110	73	70	130
Iron (dissolved)	0.007	mg/L	<0.007		ND	20	101	90	110	NV	70	130
Lead (dissolved)	0.00001	mg/L	<0.00001		ND	20	98	90	110	103	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001		ND	20	98	90	110	127	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001		ND	20	104	90	110	NV	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001		ND	20	103	90	110	NV	70	130
Molybdenum (dissolved)	0.00001	mg/L	<0.00001		ND	20	99	90	110	97	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001		ND	20	102	90	110	101	70	130
Phosphorus (dissolved)	0.003	mg/L	<0.003		ND	20	104	90	110	NV	70	130

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LR Report : **CA15221-SEP17**

Inorganic Analysis												
Parameter	Reporting Limit	Unit	Method Blank		RPD	Acceptance Criteria	LCS / Spike Blank			Matrix Spike / Reference Material		
							Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
						%		Low	High		Low	High
Potassium (dissolved)	0.003	mg/L	<0.003		ND	20	96	90	110	NV	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004		ND	20	105	90	110	NV	70	130
Sodium (dissolved)	0.01	mg/L	<0.01		ND	20	105	90	110	103	70	130
Strontium (dissolved)	0.00002	mg/L	<0.00002		ND	20	100	90	110	NV	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005		ND	20	96	90	110	NV	70	130
Tin (dissolved)	0.00001	mg/L	<0.00001		ND	20	98	90	110	NV	70	130
Titanium (dissolved)	0.00005	mg/L	<0.00005		ND	20	97	90	110	107	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002		ND	20	96	90	110	117	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001		ND	20	104	90	110	109	70	130
pH - QCBatchID: EWL0206-SEP17												
pH	0.05	no unit	NA		0		101			NA		
pH - QCBatchID: EWL0230-SEP17												
pH	0.05	no unit	NA		0		100			NA		

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Report No. **CA15257-NOV15**
Customer **Agnico Eagle Mines Limited**
Attention **Serge Ouellet**
Reference **Whole Rock Analysis**

Title **Final Report**

Sample ID		Large Column #1 Ultramafic (Oa)	Large Column #2 Ultramafic (Oa_alt)	Large Column #3 Greywacke (Inside Ore)	Large Column #4 Greywacke (Outside Ore)	Large Column #5 Ultramafic (Ob)	Large Column #6 Greywacke (S10e)
Sample Date/Time		Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Analysis	**Units**						
SiO2	%	42.6	42.4	66.0	60.2	48.0	65.6
Al2O3	%	6.68	8.51	13.6	14.2	8.18	7.20
Fe2O3	%	11.7	15.3	7.69	6.88	9.48	14.8
MgO	%	21.8	16.1	1.91	5.64	15.6	2.34
CaO	%	5.56	6.23	1.58	2.69	6.33	1.66
Na2O	%	0.10	0.82	2.16	2.39	1.05	0.52
K2O	%	0.37	0.86	3.06	3.25	1.98	1.87
TiO2	%	0.34	0.39	0.41	0.52	0.45	0.22
P2O5	%	0.03	0.04	0.16	0.19	0.20	0.11
MnO	%	0.26	0.49	0.12	0.11	0.17	0.27
Cr2O3	%	0.33	0.31	< 0.01	0.06	0.19	0.04
V2O5	%	0.02	0.03	< 0.01	0.02	0.01	< 0.01
LOI	%	9.10	7.10	2.71	2.70	7.34	3.48
Sum	%	99.0	98.5	99.4	98.8	99.0	98.2

Report No. **CA15259-NOV15**
Customer **Agnico Eagle Mines Limited**
Attention **Serge Ouellet**
Modified ABA

Title **Final Report**

Sample ID		Large Column #1 Ultramafic (Oa)	Large Column #2 Ultramafic (Oa_alt)	Large Column #3 Greywacke (Inside Ore)	Large Column #4 Greywacke (Outside Ore)	Large Column #5 Ultramafic (Ob)	Large Column #6 Greywacke (S10e)
Sample Date/Time		Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Analysis	**Units**						
Paste pH		9.33	9.52	9.09	9.65	9.69	8.84
Fizz Rate	---	3	3	1	2	3	1
Sample weight	g	2.04	2.01	2.10	2.09	2.02	1.97
HCl Added	mL	69.40	72.00	20.00	25.00	63.60	32.00
HCl	Normality	0.10	0.10	0.10	0.10	0.10	0.10
NaOH	Normality	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3	mL	29.53	31.76	13.45	14.26	20.23	20.93
Final pH		1.56	1.60	1.68	1.60	1.85	1.78
NP	t CaCO3/1000 t	98	100	16	26	107	28
AP	t CaCO3/1000 t	10.6	12.5	21.6	5.62	7.50	61.9
Net NP	t CaCO3/1000 t	87.1	87.6	-5.96	20.1	99.9	-33.78
NP/AP	ratio	9.20	8.01	0.72	4.57	14.3	0.45
Sulphur (total)	%	0.408	0.519	1.05	0.272	0.261	2.54
Acid Leachable SO4-S	%	0.07	0.12	0.36	0.09	0.02	0.56
Sulphide	%	0.34	0.40	0.69	0.18	0.24	1.98
Carbon (total)	%	1.17	1.17	0.413	0.198	1.18	0.896
Carbonate	%	5.43	5.10	1.61	0.739	5.52	3.27
C(g)	%	< 0.01	0.02	0.30	0.02	0.05	0.60

Report No. **CA15260-NOV15**
Customer **Agnico Eagle Mines Limited**
Attention **Serge Ouellet**
Reference **SFE Leach**

Title **Final Report**

Sample ID		Analysis Approval Date	Analysis Approval Time	Large Column #1 Ultramafic (Oa)	Large Column #2 Ultramafic (Oa_alt)	Large Column #3 Greywacke (Inside Ore)	Large Column #4 Greywacke (Outside Ore)	Large Column #5 Ultramafic (Ob)	Large Column #6 Greywacke (S10e)
Sample Date/Time				Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Analysis	**Units**								
Sample weight	g	24-Nov-15	9:08	200	200	200	200	200	200
Volume D.I. Water	mL	24-Nov-15	9:08	800	800	800	800	800	800
Initial pH		24-Nov-15	9:08	9.60	9.69	9.43	9.74	9.86	9.73
Final pH		24-Nov-15	9:08	9.22	9.30	8.91	9.27	9.42	8.35
pH	no unit	25-Nov-15	14:46	8.51	8.63	7.93	7.83	8.86	7.82
Alkalinity	mg/L as CaCO3	25-Nov-15	14:46	45	45	34	18	45	53
Conductivity	uS/cm	25-Nov-15	14:46	157	130	122	267	136	219
Fluoride	mg/L	26-Nov-15	12:47	0.06	0.08	0.17	0.16	0.20	0.27
Chloride	mg/L	25-Nov-15	15:23	9	8	7	5	4	< 1
Sulphate	mg/L	25-Nov-15	15:23	16	6	17	94	12	50
Bromide	mg/L	30-Nov-15	8:38	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrite (as N)	as N mg/L	30-Nov-15	8:38	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Nitrate (as N)	as N mg/L	30-Nov-15	8:38	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Chromium VI	µg/L	26-Nov-15	10:54	0.6	0.4	< 0.2	< 0.2	0.3	< 0.2
Phosphorus (total reac	mg/L	27-Nov-15	16:02	1.27	0.70	< 0.03	< 0.03	0.16	< 0.03
Mercury	mg/L	26-Nov-15	8:26	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver	mg/L	26-Nov-15	14:33	0.000102	0.000010	0.000010	0.000014	0.000007	< 0.000002
Aluminum	mg/L	26-Nov-15	14:33	0.025	0.043	0.568	0.120	0.053	0.100
Arsenic	mg/L	26-Nov-15	14:33	3.12	1.99	0.0260	0.105	0.433	0.0449
Barium	mg/L	26-Nov-15	14:33	0.0339	0.00831	0.00271	0.0248	0.0852	0.00573
Boron	mg/L	26-Nov-15	14:33	0.0226	0.0187	0.0144	0.0164	0.0145	0.0194
Beryllium	mg/L	26-Nov-15	14:33	0.000019	0.000021	0.000022	0.000015	0.000014	0.000014
Bismuth	mg/L	26-Nov-15	14:33	0.000023	0.000026	0.000025	0.000014	0.000016	< 0.000007
Calcium	mg/L	26-Nov-15	14:32	8.64	6.61	10.9	24.1	6.00	23.4
Cadmium	mg/L	26-Nov-15	14:32	0.000087	0.000027	0.000010	0.000033	0.000012	0.000003
Cobalt	mg/L	26-Nov-15	14:32	0.000131	0.000040	0.000011	0.000024	0.000010	0.000065
Chromium	mg/L	26-Nov-15	14:32	0.00068	0.00039	0.00008	0.00011	0.00021	0.00004
Copper	mg/L	26-Nov-15	14:32	0.00057	0.00043	0.00037	0.00042	0.00044	0.00045
Iron	mg/L	26-Nov-15	14:32	0.029	< 0.007	0.044	0.007	< 0.007	< 0.007
Potassium	mg/L	26-Nov-15	14:32	25.9	21.7	12.6	28.6	27.1	21.1
Lithium	mg/L	26-Nov-15	14:32	0.000248	0.000410	0.00248	0.00171	0.00146	0.00291
Magnesium	mg/L	26-Nov-15	14:32	3.42	2.61	1.03	2.89	1.65	3.08
Manganese	mg/L	26-Nov-15	14:32	0.00182	0.00055	0.00453	0.00105	0.00033	0.0217
Molybdenum	mg/L	26-Nov-15	14:32	0.00042	0.00082	0.00075	0.00152	0.00132	0.00153
Sodium	mg/L	26-Nov-15	14:32	1.24	2.31	3.82	4.55	1.88	2.84
Nickel	mg/L	26-Nov-15	14:32	0.0028	0.0013	0.0001	0.0002	0.0002	0.0021
Phosphorus	mg/L	26-Nov-15	14:32	0.034	0.004	0.011	0.011	0.012	< 0.003
Lead	mg/L	26-Nov-15	14:32	0.00009	0.00013	0.00015	0.00012	0.00011	0.00012
Antimony	mg/L	26-Nov-15	14:32	0.0285	0.0203	0.0028	0.0030	0.0042	0.0048
Selenium	mg/L	26-Nov-15	14:32	0.00060	0.00023	0.00034	0.00037	0.00038	0.00043
Silicon	mg/L	26-Nov-15	14:32	5.79	5.58	2.21	5.02	5.79	2.58
Tin	mg/L	26-Nov-15	14:32	0.00013	0.00012	0.00015	0.00014	0.00018	0.00007
Strontium	mg/L	26-Nov-15	14:32	0.0664	0.0451	0.0162	0.133	0.0540	0.0470
Titanium	mg/L	26-Nov-15	14:32	0.00024	0.00006	0.00100	0.00008	0.00018	0.00021
Thallium	mg/L	26-Nov-15	14:32	0.000055	0.000034	0.000028	0.000048	0.000052	0.000031
Uranium	mg/L	26-Nov-15	14:32	0.000012	0.000026	0.000769	0.000184	0.000041	0.000537
Vanadium	mg/L	26-Nov-15	14:32	0.0114	0.0106	0.00103	0.00666	0.0105	0.00022
Zinc	mg/L	26-Nov-15	14:32	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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14-September-2016

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac
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Phone: (819) 759-3700
Fax:(819) 759-3663

Date Rec. : 22 August 2016
LR Report: **CA15373-AUG16**
Reference: Amaruq Project Golder #1541520

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
5: AMQ-ENV16-01	13-Aug-16	51.8	9.72	10.8	12.7	6.87	0.95	2.87	0.66	0.28	0.19	0.16	0.02	3.16	100.1
6: AMQ-ENV16-02	13-Aug-16	58.9	13.1	7.74	6.54	2.90	2.50	3.78	0.56	0.20	0.11	0.08	0.01	3.21	99.7
7: AMQ-ENV16-03	13-Aug-16	52.1	11.3	10.4	11.0	5.97	1.87	3.32	0.75	0.31	0.17	0.15	0.03	2.65	100.0
8: AMQ-ENV16-04	13-Aug-16	47.6	9.26	10.3	15.7	5.53	0.72	2.09	0.60	0.25	0.16	0.20	0.02	7.72	100.1
9: AMQ-ENV16-05	13-Aug-16	51.0	11.1	9.26	10.5	5.76	1.31	2.39	0.60	0.23	0.15	0.14	0.02	7.43	100.0
10: AMQ-ENV16-06	13-Aug-16	61.1	13.7	7.34	5.44	2.13	2.77	3.91	0.54	0.18	0.08	0.07	< 0.01	2.65	99.9
11: AMQ-ENV16-07	14-Aug-16	48.6	10.3	10.8	12.2	7.42	1.76	2.54	0.74	0.31	0.20	0.14	0.02	4.64	99.8
12: AMQ-ENV16-08	14-Aug-16	52.1	10.5	9.84	11.0	6.18	1.85	2.30	0.63	0.25	0.18	0.15	0.03	4.44	99.4
13: AMQ-ENV16-09	14-Aug-16	54.7	10.4	8.74	11.4	5.07	1.82	3.06	0.54	0.24	0.14	0.18	0.02	3.53	99.8
14: AMQ-ENV16-10	14-Aug-16	50.6	8.35	9.38	16.7	5.60	1.09	2.10	0.47	0.21	0.16	0.20	0.02	4.78	99.6
15: AMQ-ENV16-11	14-Aug-16	49.6	9.94	9.29	13.7	5.95	1.62	3.15	0.61	0.24	0.14	0.25	0.03	5.20	99.7
16: AMQ-ENV16-12	14-Aug-16	55.0	11.4	9.42	9.81	5.28	2.28	1.91	0.63	0.22	0.18	0.13	0.03	3.45	99.7
17: AMQ-ENV16-Field Cell-UM	14-Aug-16	43.3	7.18	10.7	21.3	6.23	0.37	0.99	0.37	0.06	0.22	0.32	0.02	9.05	100.1
18: AMQ-ENV16-Field Cell-UM Duplicate	14-Aug-16	42.9	7.43	10.9	20.9	6.18	0.35	1.11	0.38	0.06	0.21	0.32	0.02	8.45	99.3
19: AMQ-ENV16-Field Cell-UM Triplicate	14-Aug-16	43.8	7.67	11.0	20.9	5.75	0.42	1.16	0.38	0.07	0.21	0.31	0.03	8.77	100.4
20: AMQ-ENV16-Field Cell-IF	14-Aug-16	42.4	8.31	24.6	8.23	9.09	0.54	1.63	0.42	0.07	0.87	0.36	0.02	2.27	98.8
21: AMQ-ENV16-Field Cell-IF Duplicate	14-Aug-16	41.8	7.77	24.7	8.39	9.59	0.64	1.35	0.39	0.08	0.85	0.32	0.02	2.48	98.4
22: AMQ-ENV16-Field Cell-IF Triplicate	14-Aug-16	42.5	8.26	24.5	8.34	9.31	0.69	1.16	0.44	0.05	0.95	0.34	0.03	2.26	98.9

OnLine LIMS

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LR Report : **CA15373-AUG16**

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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14-September-2016

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Date Rec. : 22 August 2016
LR Report: **CA15374-AUG16**
Reference: Amaruq Project Golder #1541520

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-01	6: AMQ-ENV16-02	7: AMQ-ENV16-03	8: AMQ-ENV16-04	9: AMQ-ENV16-05	10: AMQ-ENV16-06	11: AMQ-ENV16-07	12: AMQ-ENV16-08	13: AMQ-ENV16-09
Sample Date & Time			13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16
Paste pH	07-Sep-16	13:08	8.97	8.99	9.70	9.22	9.36	9.05	9.78	9.74	9.65
Fizz Rate [---]	07-Sep-16	13:08	1	2	2	4	4	2	4	4	4
Sample weight [g]	07-Sep-16	13:08	2.04	2.09	2.04	2.01	1.99	2.01	2.01	2.02	1.99
HCl Added [mL]	07-Sep-16	13:08	20.00	28.60	27.80	53.00	56.20	20.00	52.80	40.00	40.00
HCl [Normality]	07-Sep-16	13:08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	07-Sep-16	13:08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	07-Sep-16	13:08	12.29	17.69	16.71	15.42	16.88	12.88	27.51	16.91	25.04
Final pH	07-Sep-16	13:08	1.71	1.57	1.56	1.92	1.94	1.88	1.57	1.85	1.56
NP [t CaCO3/1000 t]	07-Sep-16	13:08	19	26	27	94	99	18	63	57	38
AP [t CaCO3/1000 t]	---	---	0.62	1.88	2.19	0.62	0.62	2.19	0.62	1.88	0.62
Net NP [t CaCO3/1000 t]	---	---	18.3	24.2	25.0	92.9	98.2	15.5	62.3	55.3	37.0
NP/AP [ratio]	---	---	30.5	13.9	12.4	151	159	8.09	101	30.5	60.6
Sulphur (total) [%]	06-Sep-16	13:30	0.034	0.086	0.092	0.015	0.021	0.095	0.030	0.102	0.030
Acid Leachable SO4-S [%]	06-Sep-16	13:30	0.03	0.03	0.02	< 0.02	0.02	0.02	0.03	0.04	0.03
Sulphide [%]	06-Sep-16	13:27	< 0.02	0.06	0.07	< 0.02	< 0.02	0.07	< 0.02	0.06	< 0.02
Carbon (total) [%]	06-Sep-16	13:30	0.070	0.202	0.182	0.928	0.980	0.081	0.536	0.500	0.234
Carbonate [%]	06-Sep-16	13:26	0.175	0.739	0.749	4.59	4.88	0.290	2.48	2.38	1.04
C(g) [%]	07-Sep-16	---	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

OnLine LIMS

0000780324

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ABA - Modified Sobek with Siderite correction

LR Report : **CA15374-AUG16**

Analysis	14: AMQ-ENV16-10	15: AMQ-ENV16-11	16: AMQ-ENV16-12	17: AMQ-ENV16-Field Cell-UM	18: AMQ-ENV16-Field Cell-UM Duplicate	19: AMQ-ENV16-Field Cell-UM Triplicate	20: AMQ-ENV16-Field Cell-IF	21: AMQ-ENV16-Field Cell-IF Duplicate	22: AMQ-ENV16-Field Cell-IF Triplicate
Sample Date & Time	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16
Paste pH	9.55	9.83	9.63	9.31	9.41	9.44	9.43	9.45	9.46
Fizz Rate [---]	3	3	3	4	4	4	4	4	4
Sample weight [g]	2.00	2.00	2.02	2.01	1.99	1.99	1.99	2.04	2.02
HCl Added [mL]	28.50	43.00	27.50	59.40	57.00	51.80	56.80	66.50	57.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	12.89	18.31	15.56	18.80	17.48	17.22	34.69	40.13	34.83
Final pH	1.57	1.56	1.59	1.89	1.88	1.86	1.66	1.58	1.58
NP [t CaCO3/1000 t]	39	62	30	101	99	87	56	65	55
AP [t CaCO3/1000 t]	0.62	0.62	0.62	0.62	0.62	0.62	31.6	31.2	23.4
Net NP [t CaCO3/1000 t]	38.4	61.1	28.9	100	98.7	86.3	24.0	33.4	31.5
NP/AP [ratio]	62.9	99.5	47.6	162	160	140	1.76	2.07	2.34
Sulphur (total) [%]	0.017	0.017	0.020	0.032	0.005	0.009	1.01	0.978	0.734
Acid Leachable SO4-S [%]	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Sulphide [%]	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	1.01	1.00	0.75
Carbon (total) [%]	0.340	0.592	0.224	1.09	1.12	0.950	0.458	0.628	0.489
Carbonate [%]	1.60	2.91	0.984	5.44	5.26	4.49	1.61	2.35	1.81
C(g) [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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14-September-2016

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Date Rec. : 22 August 2016
LR Report: **CA15375-AUG16**
Reference: Amaruq Project Golder #1541520

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-01	6: AMQ-ENV16-02	7: AMQ-ENV16-03	8: AMQ-ENV16-04	9: AMQ-ENV16-05	10: AMQ-ENV16-06	11: AMQ-ENV16-07
Sample Date & Time			13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	14-Aug-16
Sample weight [g]	31-Aug-16	09:53	200	200	200	200	200	200	200
Volume D.I. Water [mL]	31-Aug-16	09:53	800	800	800	800	800	800	800
Initial pH	31-Aug-16	09:53	9.71	9.66	9.93	9.88	9.84	9.69	9.95
Final pH	31-Aug-16	09:53	9.86	9.34	9.96	9.73	9.72	9.42	10.09
pH [no unit]	01-Sep-16	14:52	9.75	9.28	9.68	9.40	9.15	9.22	9.78
Alkalinity [mg/L as CaCO3]	01-Sep-16	14:52	43	47	51	44	40	43	49
Conductivity [uS/cm]	01-Sep-16	14:52	164	137	142	146	139	147	130
Fluoride [mg/L]	01-Sep-16	14:06	0.23	0.32	0.27	0.16	0.21	0.27	0.25
Chloride [mg/L]	01-Sep-16	08:32	20	10	7	11	13	12	4
Sulphate [mg/L]	01-Sep-16	08:32	2	2	2	2	2	3	1
Bromide [mg/L]	08-Sep-16	08:51	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	08-Sep-16	08:51	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	08-Sep-16	08:51	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	07-Sep-16	12:16	0.6	0.3	1.1	0.4	0.3	0.3	0.8
Phosphorus (total reactive) [mg/L]	02-Sep-16	12:33	0.05	0.03	0.04	0.04	< 0.03	0.03	< 0.03
Mercury [mg/L]	02-Sep-16	11:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

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SFE -24hr 4:1 L/S ratio

LR Report : **CA15375-AUG16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-01	6: AMQ-ENV16-02	7: AMQ-ENV16-03	8: AMQ-ENV16-04	9: AMQ-ENV16-05	10: AMQ-ENV16-06	11: AMQ-ENV16-07
Silver [mg/L]	06-Sep-16	13:04	< 0.000002	< 0.000002	0.000005	< 0.000002	< 0.000002	0.000003	< 0.000002
Aluminum [mg/L]	06-Sep-16	13:04	0.238	0.193	0.399	0.128	0.359	0.358	0.120
Arsenic [mg/L]	08-Sep-16	12:32	0.0173	0.0229	0.0041	0.0915	0.0231	0.0467	0.0008
Barium [mg/L]	06-Sep-16	13:04	0.0121	0.0174	0.0155	0.0324	0.0171	0.0146	0.00928
Boron [mg/L]	06-Sep-16	13:04	0.043	0.060	0.027	0.017	0.018	0.072	0.042
Beryllium [mg/L]	06-Sep-16	13:04	0.000017	0.000016	0.000012	< 0.000007	< 0.000007	0.000019	< 0.000007
Bismuth [mg/L]	06-Sep-16	13:04	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	06-Sep-16	13:04	5.35	5.66	2.53	3.28	3.12	4.69	2.54
Cadmium [mg/L]	06-Sep-16	13:04	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	06-Sep-16	13:04	0.000256	0.000098	0.000236	0.000014	0.000010	0.000139	0.000024
Chromium [mg/L]	06-Sep-16	13:04	0.00522	0.00151	0.00788	0.00036	0.00026	0.00174	0.00106
Copper [mg/L]	06-Sep-16	13:04	0.00042	0.00073	0.00085	0.00042	0.00040	0.00069	0.00076
Iron [mg/L]	06-Sep-16	13:04	0.333	0.175	0.478	< 0.007	< 0.007	0.214	0.026
Potassium [mg/L]	06-Sep-16	13:04	14.2	10.4	21.2	30.6	25.0	13.7	18.7
Lithium [mg/L]	06-Sep-16	13:04	0.000424	0.00306	0.000686	0.000233	0.000115	0.00215	0.000113
Magnesium [mg/L]	06-Sep-16	13:04	0.838	1.47	0.603	0.498	0.317	1.12	0.162
Manganese [mg/L]	06-Sep-16	13:04	0.00641	0.00304	0.00769	0.00023	0.00025	0.00265	0.00060
Molybdenum [mg/L]	06-Sep-16	13:04	0.00199	0.00297	0.00084	0.00077	0.00108	0.00160	0.00039
Sodium [mg/L]	06-Sep-16	13:04	17.4	14.5	12.2	6.75	8.44	16.2	12.3
Nickel [mg/L]	06-Sep-16	13:04	0.0009	0.0005	0.0015	< 0.0001	< 0.0001	0.0006	0.0002
Phosphorus [mg/L]	06-Sep-16	13:04	0.045	0.030	0.047	0.006	0.006	0.027	0.013
Lead [mg/L]	06-Sep-16	13:04	0.00015	0.00012	0.00026	0.00002	0.00003	0.00012	0.00003
Antimony [mg/L]	06-Sep-16	13:04	0.0022	0.0029	0.0036	0.0024	0.0022	0.0030	0.0029
Selenium [mg/L]	06-Sep-16	13:04	0.00010	0.00055	0.00029	0.00010	0.00007	0.00070	0.00018
Silicon [mg/L]	06-Sep-16	13:04	11.7	6.48	9.12	5.91	3.31	6.36	9.54
Tin [mg/L]	06-Sep-16	13:04	0.00011	0.00010	0.00010	0.00013	0.00016	0.00011	0.00022
Strontium [mg/L]	06-Sep-16	13:04	0.0190	0.0241	0.0120	0.0341	0.0316	0.0244	0.0335
Titanium [mg/L]	06-Sep-16	13:04	0.00994	0.00488	0.0203	0.00029	0.00014	0.00663	0.00085
Thallium [mg/L]	06-Sep-16	13:04	< 0.000005	< 0.000005	0.000005	0.000010	0.000006	< 0.000005	< 0.000005
Uranium [mg/L]	06-Sep-16	13:04	0.000153	0.000058	0.000072	0.000011	0.000019	0.000076	0.000016
Vanadium [mg/L]	06-Sep-16	13:04	0.0251	0.0182	0.0297	0.0149	0.00917	0.0192	0.0251

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SFE -24hr 4:1 L/S ratio

LR Report : **CA15375-AUG16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-01	6: AMQ-ENV16-02	7: AMQ-ENV16-03	8: AMQ-ENV16-04	9: AMQ-ENV16-05	10: AMQ-ENV16-06	11: AMQ-ENV16-07
Zinc [mg/L]	06-Sep-16	13:04	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	12: AMQ-ENV16-08	13: AMQ-ENV16-09	14: AMQ-ENV16-10	15: AMQ-ENV16-11	16: AMQ-ENV16-12	17: AMQ-ENV16-Field Cell-UM	18: AMQ-ENV16-Field Cell-UM Duplicate	19: AMQ-ENV16-Field Cell-UM Triplicate
Sample Date & Time	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16
Sample weight [g]	200	200	200	200	200	200	200	200
Volume D.I. Water [mL]	800	800	800	800	800	800	800	800
Initial pH	9.89	9.89	9.88	9.89	9.88	9.83	9.85	9.89
Final pH	10.07	10.01	10.06	10.08	9.90	9.64	9.67	9.64
pH [no unit]	9.95	9.83	9.82	9.79	9.37	8.95	8.87	8.54
Alkalinity [mg/L as CaCO3]	69	58	52	53	44	46	48	45
Conductivity [uS/cm]	165	143	149	133	137	137	147	138
Fluoride [mg/L]	0.38	0.24	0.16	0.19	0.26	0.09	0.09	0.09
Chloride [mg/L]	3	5	8	2	11	8	10	8
Sulphate [mg/L]	2	2	1	2	2	2	2	2
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	1.8	1.2	0.9	1.0	0.6	0.6	0.7	0.7
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.32	0.39	0.44
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002
Aluminum [mg/L]	0.166	0.138	0.052	0.077	0.196	0.033	0.031	0.032
Arsenic [mg/L]	0.0014	0.0051	0.0009	0.0114	0.0314	0.931	1.08	1.21
Barium [mg/L]	0.00336	0.0126	0.0156	0.0113	0.0122	0.0254	0.0230	0.0215
Boron [mg/L]	0.104	0.052	0.039	0.028	0.045	0.032	0.031	0.030
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	1.59	2.67	2.97	2.41	3.23	3.70	3.66	3.78

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Analysis	12: AMQ-ENV16-08	13: AMQ-ENV16-09	14: AMQ-ENV16-10	15: AMQ-ENV16-11	16: AMQ-ENV16-12	17: AMQ-ENV16-Field Cell-UM	18: AMQ-ENV16-Field Cell-UM Duplicate	19: AMQ-ENV16-Field Cell-UM Triplicate
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000037	0.000101	0.000041	0.000034	0.000097	0.000083	0.000037	0.000040
Chromium [mg/L]	0.00260	0.00410	0.00162	0.00191	0.00295	0.00064	0.00074	0.00077
Copper [mg/L]	0.00031	0.00052	0.00068	0.00031	0.00057	0.00023	0.00023	0.00019
Iron [mg/L]	0.056	0.155	0.043	0.041	0.167	0.022	< 0.007	< 0.007
Potassium [mg/L]	16.8	14.4	20.7	23.0	15.2	23.6	24.9	24.9
Lithium [mg/L]	0.000292	0.000299	0.000172	0.000256	0.000228	0.000113	0.000116	0.000109
Magnesium [mg/L]	0.161	0.352	0.293	0.205	0.442	1.13	1.04	1.11
Manganese [mg/L]	0.00132	0.00250	0.00093	0.00080	0.00321	0.00034	0.00027	0.00029
Molybdenum [mg/L]	0.00049	0.00224	0.00130	0.00148	0.00148	0.00033	0.00034	0.00033
Sodium [mg/L]	22.7	18.1	13.9	11.1	16.6	8.86	9.30	8.85
Nickel [mg/L]	0.0002	0.0007	0.0007	0.0003	0.0006	0.0010	0.0007	0.0008
Phosphorus [mg/L]	0.015	0.018	0.007	0.013	0.017	0.010	0.003	0.004
Lead [mg/L]	0.00008	0.00020	0.00004	0.00012	0.00010	0.00002	0.00001	< 0.00001
Antimony [mg/L]	0.0045	0.0042	0.0046	0.0025	0.0048	0.0213	0.0206	0.0214
Selenium [mg/L]	0.00023	0.00017	0.00008	0.00023	0.00005	0.00009	0.00015	0.00016
Silicon [mg/L]	8.38	10.1	11.2	9.07	7.23	6.08	6.89	7.11
Tin [mg/L]	0.00006	0.00016	0.00009	0.00010	0.00008	0.00008	0.00006	0.00005
Strontium [mg/L]	0.0270	0.0351	0.0483	0.0330	0.0189	0.0368	0.0356	0.0352
Titanium [mg/L]	0.00220	0.00555	0.00249	0.00268	0.00659	0.00014	0.00015	0.00008
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000023	0.000020	0.000021
Uranium [mg/L]	0.000042	0.000029	0.000011	0.000022	0.000063	0.000005	0.000004	0.000004
Vanadium [mg/L]	0.0197	0.0231	0.0155	0.0229	0.0239	0.0142	0.0159	0.0161
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	20: AMQ-ENV16-Field Cell-IF	21: AMQ-ENV16-Field Cell-IF Duplicate	22: AMQ-ENV16-Field Cell-IF Triplicate
Sample Date & Time	14-Aug-16	14-Aug-16	14-Aug-16
Sample weight [g]	200	200	200

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Analysis	20: AMQ-ENV16-Field Cell-IF	21: AMQ-ENV16-Field Cell-IF Duplicate	22: AMQ-ENV16-Field Cell-IF Triplicate
Volume D.I. Water [mL]	800	800	800
Initial pH	9.85	9.84	9.82
Final pH	9.13	9.15	9.13
pH [no unit]	8.30	8.86	8.67
Alkalinity [mg/L as CaCO3]	52	49	51
Conductivity [uS/cm]	193	174	191
Fluoride [mg/L]	0.13	0.13	0.13
Chloride [mg/L]	23	20	23
Sulphate [mg/L]	6	4	5
Bromide [mg/L]	< 3	< 3	< 3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6
Chromium VI [ug/L]	0.6	0.6	0.6
Phosphorus (total reactive) [mg/L]	1.45	1.35	1.22
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	0.000012	0.000008	0.000011
Aluminum [mg/L]	0.032	0.035	0.043
Arsenic [mg/L]	4.22	4.05	3.60
Barium [mg/L]	0.0178	0.0187	0.0193
Boron [mg/L]	0.031	0.031	0.037
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	0.000054	0.000020	0.000014
Calcium [mg/L]	8.93	8.52	8.62
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000079	0.000055	0.000071
Chromium [mg/L]	0.00086	0.00098	0.00106
Copper [mg/L]	0.00017	0.00026	0.00079
Iron [mg/L]	0.021	0.030	0.041
Potassium [mg/L]	28.3	24.7	26.8
Lithium [mg/L]	0.00189	0.00125	0.00183
Magnesium [mg/L]	2.15	1.73	2.01

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Analysis	20: AMQ-ENV16-Field Cell-IF	21: AMQ-ENV16-Field Cell-IF Duplicate	22: AMQ-ENV16-Field Cell-IF Triplicate
Manganese [mg/L]	0.00117	0.00129	0.00176
Molybdenum [mg/L]	0.00056	0.00031	0.00047
Sodium [mg/L]	11.2	9.74	11.1
Nickel [mg/L]	0.0056	0.0038	0.0050
Phosphorus [mg/L]	0.008	0.005	0.006
Lead [mg/L]	< 0.00001	< 0.00001	0.00001
Antimony [mg/L]	0.0662	0.0529	0.0635
Selenium [mg/L]	0.00021	0.00022	0.00020
Silicon [mg/L]	5.25	5.90	5.10
Tin [mg/L]	0.00009	0.00009	0.00010
Strontium [mg/L]	0.0339	0.0328	0.0332
Titanium [mg/L]	0.00036	0.00041	0.00055
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000020	0.000013	0.000013
Vanadium [mg/L]	0.0135	0.0140	0.0121
Zinc [mg/L]	< 0.002	< 0.002	< 0.002

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

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14-September-2016

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac
Rouyn-Noranda, Quebec
J0Y 1C0,

Phone: (819) 759-3700
Fax:(819) 759-3663

Date Rec. : 22 August 2016
LR Report: **CA15376-AUG16**
Reference: Amaruq Project Golder #1541520

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-01	6: AMQ-ENV16-02	7: AMQ-ENV16-03	8: AMQ-ENV16-04	9: AMQ-ENV16-05	10: AMQ-ENV16-06	11: AMQ-ENV16-07	12: AMQ-ENV16-08	13: AMQ-ENV16-09
Sample Date & Time			13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	13-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16
Fluoride [µg/g]	30-Aug-16	14:46	295	268	321	241	279	249	352	291	231
Mercury [ug/g]	07-Sep-16	10:31	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	06-Sep-16	09:24	16000	20000	25000	21000	23000	19000	23000	21000	20000
Silver [µg/g]	07-Sep-16	14:52	0.04	0.08	0.11	0.05	0.12	0.07	0.08	0.10	0.08
Arsenic [µg/g]	07-Sep-16	14:52	1.8	5.4	1.1	60	12	9.5	0.7	1.4	1.7
Boron [µg/g]	07-Sep-16	14:52	1	7	< 1	1	1	12	< 1	1	2
Barium [µg/g]	07-Sep-16	14:52	170	250	520	430	360	230	410	430	390
Beryllium [µg/g]	07-Sep-16	14:52	0.53	0.62	0.60	0.64	0.93	0.53	0.58	0.76	0.60
Bismuth [µg/g]	07-Sep-16	14:52	0.22	0.30	0.16	< 0.09	0.15	0.22	< 0.09	0.14	< 0.09
Calcium [µg/g]	06-Sep-16	09:24	6000	8500	9700	29000	33000	5000	21000	19000	11000
Cadmium [µg/g]	07-Sep-16	14:52	0.02	0.05	0.05	0.04	0.10	0.08	0.05	0.06	0.03
Cobalt [µg/g]	07-Sep-16	14:52	17	16	21	30	19	16	19	21	19
Chromium [µg/g]	07-Sep-16	14:52	400	280	470	560	390	240	490	460	610
Copper [µg/g]	07-Sep-16	14:52	42	50	79	14	50	32	51	44	48
Iron [µg/g]	06-Sep-16	09:24	25000	34000	38000	32000	34000	35000	36000	33000	30000

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LR Report : **CA15376-AUG16**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AMQ-ENV16-01	6: AMQ-ENV16-02	7: AMQ-ENV16-03	8: AMQ-ENV16-04	9: AMQ-ENV16-05	10: AMQ-ENV16-06	11: AMQ-ENV16-07	12: AMQ-ENV16-08	13: AMQ-ENV16-09
Potassium [µg/g]	06-Sep-16	09:24	11000	14000	23000	17000	17000	13000	19000	18000	18000
Lithium [µg/g]	07-Sep-16	14:52	22	28	30	20	21	28	23	23	28
Magnesium [µg/g]	06-Sep-16	09:24	19000	21000	25000	32000	30000	18000	27000	25000	26000
Manganese [µg/g]	07-Sep-16	14:52	300	430	480	570	580	360	530	490	310
Molybdenum [µg/g]	07-Sep-16	14:52	0.4	0.6	0.4	0.2	0.3	0.4	0.2	0.3	0.4
Sodium [µg/g]	06-Sep-16	09:24	420	550	460	210	360	580	390	390	410
Nickel [µg/g]	07-Sep-16	14:52	85	78	130	160	120	69	120	120	140
Phosphorus [µg/g]	06-Sep-16	09:24	1100	830	1200	1000	950	730	1300	1000	920
Lead [µg/g]	07-Sep-16	14:52	2.1	6.8	7.5	5.5	16	17	6.6	13	7.7
Antimony [µg/g]	07-Sep-16	14:52	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	07-Sep-16	14:52	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	06-Sep-16	09:24	7400	7400	8600	6000	7200	7400	8500	7900	8400
Tin [µg/g]	07-Sep-16	14:52	< 0.5	< 0.5	< 0.5	< 0.5	0.7	< 0.5	< 0.5	0.6	< 0.5
Strontium [µg/g]	07-Sep-16	14:52	28	29	45	120	160	27	120	99	72
Titanium [µg/g]	07-Sep-16	14:52	820	1100	1500	1600	1500	1100	1500	1400	1400
Thallium [µg/g]	07-Sep-16	14:52	0.31	0.42	0.54	0.38	0.38	0.37	0.41	0.43	0.45
Uranium [µg/g]	07-Sep-16	14:52	1.0	1.4	0.72	0.29	0.84	1.3	0.43	1.2	1.3
Vanadium [µg/g]	07-Sep-16	14:52	50	62	76	69	71	60	78	73	65
Zinc [µg/g]	07-Sep-16	14:52	30	40	45	36	45	46	42	40	32

Analysis	14: AMQ-ENV16-10	15: AMQ-ENV16-11	16: AMQ-ENV16-12	17: AMQ-ENV16-Field Cell-UM	18: AMQ-ENV16-Field Cell-UM Duplicate	19: AMQ-ENV16-Field Cell-UM Triplicate	20: AMQ-ENV16-Field Cell-IF	21: AMQ-ENV16-Field Cell-IF Duplicate	22: AMQ-ENV16-Field Cell-IF Triplicate
Sample Date & Time	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16	14-Aug-16
Fluoride [µg/g]	194	230	311	79.2	76.0	77.4	98.8	99.4	96.7
Mercury [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum [µg/g]	19000	23000	17000	12000	13000	13000	17000	14000	15000

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LR Report : **CA15376-AUG16**

Analysis	14: AMQ-ENV16-10	15: AMQ-ENV16-11	16: AMQ-ENV16-12	17: AMQ-ENV16-Field Cell-UM	18: AMQ-ENV16-Field Cell-UM Duplicate	19: AMQ-ENV16-Field Cell-UM Triplicate	20: AMQ-ENV16-Field Cell-IF	21: AMQ-ENV16-Field Cell-IF Duplicate	22: AMQ-ENV16-Field Cell-IF Triplicate
Silver [µg/g]	0.10	0.12	0.12	0.15	0.18	0.19	0.23	0.29	0.26
Arsenic [µg/g]	0.6	1.2	16	550	470	530	950	930	970
Boron [µg/g]	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	450	570	200	110	110	150	120	120	83
Beryllium [µg/g]	0.60	0.89	0.40	0.24	0.25	0.29	0.20	0.13	0.14
Bismuth [µg/g]	< 0.09	0.23	0.10	0.09	< 0.09	< 0.09	< 0.09	0.09	0.09
Calcium [µg/g]	14000	22000	10000	24000	26000	22000	17000	19000	17000
Cadmium [µg/g]	0.03	0.06	0.10	0.07	0.11	0.06	0.04	0.05	0.05
Cobalt [µg/g]	20	21	18	58	56	58	68	65	68
Chromium [µg/g]	630	880	350	580	620	640	1100	830	920
Copper [µg/g]	83	43	44	26	36	39	74	70	38
Iron [µg/g]	28000	35000	26000	24000	25000	26000	85000	79000	75000
Potassium [µg/g]	18000	24000	10000	8300	9100	9700	13000	10000	8400
Lithium [µg/g]	24	24	20	12	14	16	24	17	19
Magnesium [µg/g]	28000	34000	18000	27000	26000	27000	14000	14000	12000
Manganese [µg/g]	380	460	380	680	660	610	1400	1300	1400
Molybdenum [µg/g]	5.8	0.3	0.4	0.2	0.4	0.2	0.3	0.3	0.3
Sodium [µg/g]	260	360	550	120	120	130	230	230	260
Nickel [µg/g]	190	180	94	440	410	450	910	960	910
Phosphorus [µg/g]	900	970	900	220	230	290	260	300	170
Lead [µg/g]	5.0	13	15	5.6	2.8	2.2	1.0	1.5	1.0
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	2.6	2.5	2.5	6.5	7.5	7.6
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	0.7	< 0.7
Silicon [µg/g]	6600	8200	7400	4900	4200	4900	8000	7000	7500
Tin [µg/g]	< 0.5	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	170	150	34	94	100	100	31	37	30
Titanium [µg/g]	1700	2100	890	650	710	750	1000	890	790
Thallium [µg/g]	0.48	0.70	0.30	0.25	0.27	0.28	0.31	0.31	0.25

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LR Report : **CA15376-AUG16**

Analysis	14: AMQ-ENV16-10	15: AMQ-ENV16-11	16: AMQ-ENV16-12	17: AMQ-ENV16-Field Cell-UM	18: AMQ-ENV16-Field Cell-UM Duplicate	19: AMQ-ENV16-Field Cell-UM Triplicate	20: AMQ-ENV16-Field Cell-IF	21: AMQ-ENV16-Field Cell-IF Duplicate	22: AMQ-ENV16-Field Cell-IF Triplicate
Uranium [µg/g]	0.76	0.73	1.3	0.084	0.10	0.099	0.034	0.035	0.049
Vanadium [µg/g]	51	89	54	35	41	42	46	41	43
Zinc [µg/g]	29	36	39	20	32	21	31	26	30

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

OnLine LIMS

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Project : Amaruq Project Golder 1665859

23-June-2017

Agnico Eagle Mines Limited
Attn : Ryan Vanengen

10200, route de Pressac
Rouyn-Noranda, Quebec
J0Y 1C0,

Phone: (819) 759-3700
Fax:(819) 759-3663

Date Rec. : 19 June 2017
LR Report: **CA15420-JUN17**
Reference: Amaruq Project Golder 1665859

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: U Mafic	6: Fe FM	7: U Mafic DUP
Sample Date & Time					13-Jun-17 09:45	13-Jun-17 09:25	13-Jun-17 09:45
Temperature Upon Receipt [°C]					24.0	24.0	24.0
pH [no unit]	20-Jun-17	13:20	22-Jun-17	11:01	8.15	7.95	8.17
Acidity [mg/L as CaCO3]	20-Jun-17	13:20	22-Jun-17	11:01	< 2	< 2	< 2
Alkalinity [mg/L as CaCO3]	20-Jun-17	13:20	22-Jun-17	11:01	113	111	120
Conductivity [uS/cm]	20-Jun-17	13:20	22-Jun-17	11:01	329	352	331
Chloride [mg/L]	19-Jun-17	16:43	21-Jun-17	09:42	6	2	6
Sulphate [mg/L]	19-Jun-17	16:50	21-Jun-17	09:42	29	46	29
Fluoride [mg/L]	20-Jun-17	08:17	20-Jun-17	14:42	0.16	0.09	0.15
Mercury (dissolved) [mg/L]	21-Jun-17	09:38	21-Jun-17	09:52	< 0.00001	< 0.00001	< 0.00001
Silver (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	< 0.00005	< 0.00005	< 0.00005
Aluminum (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.007	0.005	0.008
Arsenic (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	12.2	20.0	12.0
Barium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.0431	0.0200	0.0442
Beryllium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	< 0.000007	< 0.000007	< 0.000007
Boron (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.157	0.059	0.142
Bismuth (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	< 0.000007	< 0.000007	< 0.000007
Calcium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	15.9	21.3	13.8
Cadmium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.000014	0.000031	0.000016
Cobalt (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.00218	0.00309	0.00221
Chromium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.00097	0.00066	0.00099
Copper (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.00091	0.00059	0.00072
Iron (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	< 0.007	< 0.007	0.007
Potassium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	34.4	37.9	33.3
Lithium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.0054	0.0111	0.0050
Magnesium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	7.64	10.5	7.81
Manganese (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.0210	0.0642	0.0204
Molybdenum (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.00222	0.00095	0.00212
Sodium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	24.7	15.5	25.5
Nickel (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.0555	0.253	0.0558
Phosphorus (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.004	0.019	0.004
Antimony (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.119	0.310	0.122
Selenium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.00100	0.00082	0.00095
Strontium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.237	0.153	0.231
Tin (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.00016	0.00007	0.00006

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0001042063

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Project : Amaruq Project Golder 1665859
LR Report : CA15420-JUN17

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: U Mafic	6: Fe FM	7: U Mafic DUP
Titanium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.00028	0.00010	0.00023
Thallium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.000063	0.000009	0.000044
Uranium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.00649	0.00118	0.00568
Vanadium (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.0233	0.0111	0.0224
Zinc (dissolved) [mg/L]	20-Jun-17	12:00	21-Jun-17	13:01	0.004	0.003	0.003

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

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Project : Amaruq Project Golder 1665859
LR Report : **CA15420-JUN17**

Quality Control Report

Inorganic Analysis												
Parameter	Reporting Limit	Unit	Method Blank		RPD	Acceptance Criteria	LCS / Spike Blank			Matrix Spike / Reference Material		
							Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
						%		Low	High		Low	High
Acidity - QCBatchID: EWL0321-JUN17												
Acidity	2	mg/L as Ca	< 2		ND	10	110	90	110	NA		
Alkalinity - QCBatchID: EWL0321-JUN17												
Alkalinity	2	mg/L as Ca	< 2		6	10	102	90	110	NA		
Anions by discrete analyzer - QCBatchID: DIO0295-JUN17												
Chloride	1	mg/L	<1		ND	20	103	80	120	100	75	125
Sulphate	2	mg/L	<2		0	20	103	80	120	96	75	125
Conductivity - QCBatchID: EWL0321-JUN17												
Conductivity	2	uS/cm	< 2		2	10	101	90	110	NA		
Flouride by Specific Ion Electrode - QCBatchID: EWL0311-JUN17												
Fluoride	0.06	mg/L	<0.06		0	10	98	90	110	97	75	125
Mercury by CVAAS - QCBatchID: EHG0037-JUN17												
Mercury (dissolved)	0.00001	mg/L	< 0.00001		ND	20	88	90	110	103	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0085-JUN17												
Aluminum (dissolved)	0.001	mg/L	<0.001		0	20	107	90	110	NV	70	130
Antimony (dissolved)	0.0002	mg/L	<0.0002		3	20	100	90	110	NV	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002		2	20	110	90	110	93	70	130
Barium (dissolved)	0.00002	mg/L	<0.00002		3	20	102	90	110	125	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007		ND	20	105	90	110	103	70	130
Bismuth (dissolved)	0.000007	mg/L	<0.000007		12	20	104	90	110	102	70	130
Boron (dissolved)	0.002	mg/L	<0.002		4	20	93	90	110	NV	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003		16	20	103	90	110	108	70	130
Calcium (dissolved)	0.01	mg/L	<0.01		2	20	95	90	110	NV	70	130
Chromium (dissolved)	0.00003	mg/L	<0.00003		4	20	105	90	110	99	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004		2	20	105	90	110	NV	70	130
Copper (dissolved)	0.00002	mg/L	<0.00002		1	20	103	90	110	NV	70	130
Iron (dissolved)	0.007	mg/L	<0.007		1	20	107	90	110	70	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001		2	20	104	90	110	89	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001		2	20	100	90	110	105	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001		4	20	106	90	110	102	70	130
Molybdenum (dissolved)	0.00001	mg/L	<0.00001		1	20	102	90	110	102	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001		1	20	105	90	110	NV	70	130
Phosphorus (dissolved)	0.003	mg/L	<0.003		14	20	101	90	110	NV	70	130
Potassium (dissolved)	0.003	mg/L	<0.003		2	20	103	90	110	NV	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004		1	20	100	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005		5	20	103	90	110	81	70	130

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Project : Amaruq Project Golder 1665859

LR Report : **CA15420-JUN17**

Inorganic Analysis												
Parameter	Reporting Limit	Unit	Method Blank		RPD	Acceptance Criteria	LCS / Spike Blank			Matrix Spike / Reference Material		
							Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
						%		Low	High		Low	High
Sodium (dissolved)	0.01	mg/L	<0.01		4	20	102	90	110	NV	70	130
Strontium (dissolved)	0.00002	mg/L	<0.00002		3	20	106	90	110	NV	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005		10	20	100	90	110	106	70	130
Tin (dissolved)	0.00001	mg/L	<0.00001		1	20	99	90	110	NV	70	130
Titanium (dissolved)	0.00005	mg/L	<0.00005		ND	20	105	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002		5	20	100	90	110	102	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001		4	20	105	90	110	108	70	130
Zinc (dissolved)	0.002	mg/L	<0.002		2	20	104	90	110	91	70	130
pH - QCBatchID: EWL0321-JUN17												
pH	0.05	no unit	NA		0		100			NA		

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Report No. **CA15258-NOV15**
Customer **Agnico Eagle Mines Limited**
Attention **Serge Ouellet**
Aqua regia

Title **Final Report**

Sample ID		Analysis Approval Date	Analysis Approval Time	Large Column #1 Ultramafic (Oa)	Large Column #2 Ultramafic (Oa_alt)	Large Column #3 Greywacke (Inside Ore)	Large Column #4 Greywacke (Outside Ore)	Large Column #5 Ultramafic (Ob)	Large Column #6 Greywacke (S10e)
Sample Date/Time				Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Analysis	**Units**								
Fluoride	µg/g	01-Dec-15	11:14	41.8	82.0	225	224	203	216
Mercury	µg/g	01-Dec-15	11:36	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aluminum	µg/g	01-Dec-15	10:52	14000	18000	13000	17000	23000	14000
Silver	µg/g	30-Nov-15	16:18	0.14	0.22	0.26	0.11	0.17	0.29
Arsenic	µg/g	30-Nov-15	16:18	670	640	71	33	78	270
Boron	µg/g	30-Nov-15	16:18	2	2	5	3	2	6
Barium	µg/g	30-Nov-15	16:18	34	46	61	210	370	53
Beryllium	µg/g	30-Nov-15	16:18	0.13	0.14	0.39	0.36	0.66	0.69
Bismuth	µg/g	30-Nov-15	16:18	< 0.09	< 0.09	0.13	< 0.09	< 0.09	0.24
Calcium	µg/g	01-Dec-15	10:52	26000	25000	5500	7700	32000	9000
Cadmium	µg/g	30-Nov-15	16:18	0.05	0.07	0.12	0.12	0.10	0.09
Cobalt	µg/g	30-Nov-15	16:18	60	62	8.8	16	29	12
Chromium	µg/g	30-Nov-15	16:18	860	990	53	280	810	230
Copper	µg/g	30-Nov-15	16:18	23	55	19	32	75	22
Iron	µg/g	01-Dec-15	10:52	32000	55000	43000	34000	39000	70000
Potassium	µg/g	01-Dec-15	10:52	3100	5600	4900	8900	15000	6500
Lithium	µg/g	30-Nov-15	16:18	9	11	13	18	19	10
Magnesium	µg/g	01-Dec-15	10:52	29000	30000	7700	17000	36000	7400
Manganese	µg/g	30-Nov-15	16:18	940	1200	630	500	790	930
Molybdenum	µg/g	30-Nov-15	16:18	0.3	0.5	2.4	1.7	0.8	2.0
Sodium	µg/g	01-Dec-15	10:52	35	84	190	170	90	110
Nickel	µg/g	30-Nov-15	16:18	680	570	21	78	230	100
Phosphorus	µg/g	01-Dec-15	10:52	110	150	660	750	860	460
Lead	µg/g	30-Nov-15	16:18	1.3	2.1	8.0	8.8	4.9	10
Antimony	µg/g	30-Nov-15	16:18	2.1	1.9	< 0.8	< 0.8	< 0.8	1.4
Selenium	µg/g	30-Nov-15	16:18	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon	µg/g	01-Dec-15	10:52	1100	1300	1400	1200	1400	1100
Tin	µg/g	30-Nov-15	16:18	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium	µg/g	30-Nov-15	16:18	64	62	15	47	310	17
Titanium	µg/g	30-Nov-15	16:18	310	520	560	1000	1400	610
Thallium	µg/g	30-Nov-15	16:18	0.09	0.21	0.37	0.39	0.43	0.37
Uranium	µg/g	30-Nov-15	16:18	0.048	0.26	1.9	1.7	0.63	0.84
Vanadium	µg/g	30-Nov-15	16:18	39	47	22	48	58	27
Zinc	µg/g	30-Nov-15	16:18	21	31	52	55	36	39

Quantitative X-Ray Diffraction by Rietveld Refinement

Report Prepared for:	*Environmental -Analytical*
Project Number/ LIMS No.	*Custom XRD/MI4503-DEC15*
Sample Receipt:	*December 3, 2015*
Sample Analysis:	*December 9, 2015*
Reporting Date:	*December 18, 2015*

Instrument:	BRUKER AXS D8 Advance Diffractometer
Test Conditions:	Co radiation, 40 kV, 35 mA Regular Scanning: Step: 0.02°, Step time: 1s, 2θ range: 3-80°
Interpretations :	PDF2/PDF4 powder diffraction databases issued by the International Center for Diffraction Data (ICDD). DiffracPlus Eva and Topas software.
Detection Limit :	0.5-2%. Strongly dependent on crystallinity.

Contents:

1) Method Summary
2) Summary of Mineral Assemblages
3) Quantitative XRD Results
4) XRD Pattern(s)

Kim Gibbs, H.B.Sc., P.Geo.
Senior Mineralogist

Huyun Zhou, Ph.D., P.Geo.
Senior Mineralogist

ACCREDITATION: SGS Minerals Services Lakefield is accredited to the requirements of ISO/IEC 17025 for specific tests as listed on our scope of accreditation, including geochemical, mineralogical and trade mineral tests. To view a list of the accredited methods, please visit the following website and search SGS Canada - Minerals Services - Lakefield: http://palcan.scc.ca/SpecsSearch/GLSearchForm.do.

Method Summary

The Rietveld Method of Mineral Identification by XRD (ME-LR-MIN-MET-MN-D05) method used by SGS Minerals Services is accredited to the requirements of ISO/IEC 17025.

Mineral Identification and Interpretation:

Mineral identification and interpretation involves matching the diffraction pattern of an unknown material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) database and released on software as Powder Diffraction Files (PDF).

Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds, except when internal standards have been added by request. Mineral proportions may be strongly influenced by crystallinity, crystal structure and preferred orientations. Mineral or compound identification and quantitative analysis results should be accompanied by supporting chemical assay data or other additional tests.

Quantitative Rietveld Analysis:

Quantitative Rietveld Analysis is performed by using Topas 4.2 (Bruker AXS), a graphics based profile analysis program built around a non-linear least squares fitting system, to determine the amount of different phases present in a multicomponent sample. Whole pattern analyses are predicated by the fact that the X-ray diffraction pattern is a total sum of both instrumental and specimen factors. Unlike other peak intensity-based methods, the Rietveld method uses a least squares approach to refine a theoretical line profile until it matches the obtained experimental patterns.

Rietveld refinement is completed with a set of minerals specifically identified for the sample. Zero values indicate that the mineral was included in the refinement calculations, but the calculated concentration was less than 0.05wt%. Minerals not identified by the analyst are not included in refinement calculations for specific samples and are indicated with a dash.

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SGS Minerals
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Member of the SGS Group (SGS SA)

Summary of Rietveld Quantitative Analysis X-ray Diffraction Results

Quantitative X-ray Diffraction Results

Mineral/Compound	AMQ-ENV15-007 DEC4503-01 (wt %)	AMQ-ENV15-008 DEC4503-02 (wt %)	AMQ-ENV15-008 Dup DEC4503-03 (wt %)	AMQ-ENV15-025 DEC4503-04 (wt %)	AMQ-ENV15-025 Dup DEC4503-05 (wt %)	AMQ-ENV15-107 DEC4503-06 (wt %)	AMQ-ENV15-107 Dup DEC4503-07 (wt %)	AMQ-ENV-50 DEC4503-08 (wt %)	AMQ-ENV-63 DEC4503-09 (wt %)	AMQ-ENV15-096 DEC4503-10 (wt %)
Quartz	25.0	73.4	73.0	52.9	51.1	31.5	32.6	18.0	21.3	46.6
Chlorite	14.8	6.1	6.2	1.7	2.7	10.0	9.8	26.2	20.4	11.3
Stilpnomelane	3.5	0.7	0.9	6.4	6.3	-	-	-	-	2.0
Magnesiohornblende	4.1	-	-	2.4	2.5	-	-	-	-	-
Talc	5.2	-	-	0.8	1.0	-	-	3.0	0.4	-
Pyrite	2.4	-	-	-	-	-	-	-	-	-
Phlogopite	18.1	-	-	2.7	1.8	-	-	-	-	4.4
Siderite	3.1	-	-	-	-	-	-	-	-	0.3
Calcite	5.5	1.0	0.8	6.5	6.5	1.2	1.0	6.1	7.2	2.7
Albite	13.0	1.5	1.2	-	-	28.2	26.8	22.3	24.0	3.3
Orthoclase	2.7	-	-	-	-	1.5	1.8	1.1	1.0	0.7
Biotite	2.7	-	-	2.7	3.5	6.0	5.9	16.4	17.3	13.3
Muscovite	-	2.9	3.1	-	-	21.5	22.1	-	-	7.5
Almandine	-	3.9	3.9	2.0	2.5	-	-	-	-	-
Cummingtonite	-	3.2	3.5	14.7	14.9	-	-	-	-	2.4
Actinolite	-	1.8	1.9	-	-	-	-	-	5.2	-
Pyrrhotite	-	5.6	5.6	3.7	3.7	-	-	-	-	2.1
Diopside	-	-	-	3.5	3.5	-	-	-	-	-
Sphalerite	-	-	-	-	-	-	-	0.2	-	-
Anorthite	-	-	-	-	-	-	-	5.5	3.1	2.2
Ankerite	-	-	-	-	-	-	-	1.2	-	-
Richterite	-	-	-	-	-	-	-	-	-	1.4
TOTAL	100	100	100	100	100	100	100	100	100	100

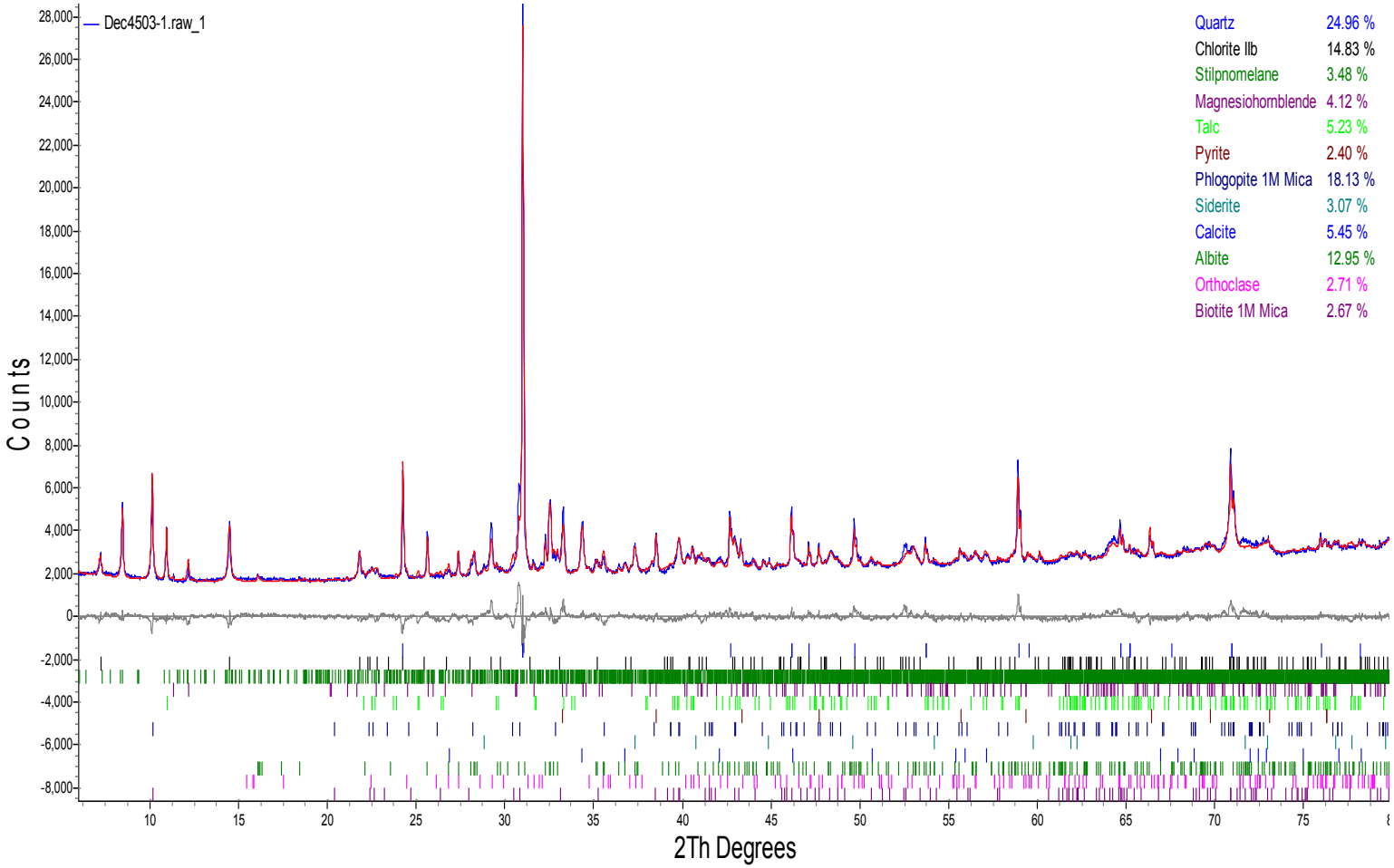
Zero values indicate that the mineral was included in the refinement, but the calculated concentration is below a measurable value.

Dashes indicate that the mineral was not identifed by the analyst and not included in the refinement calculation for the sample.

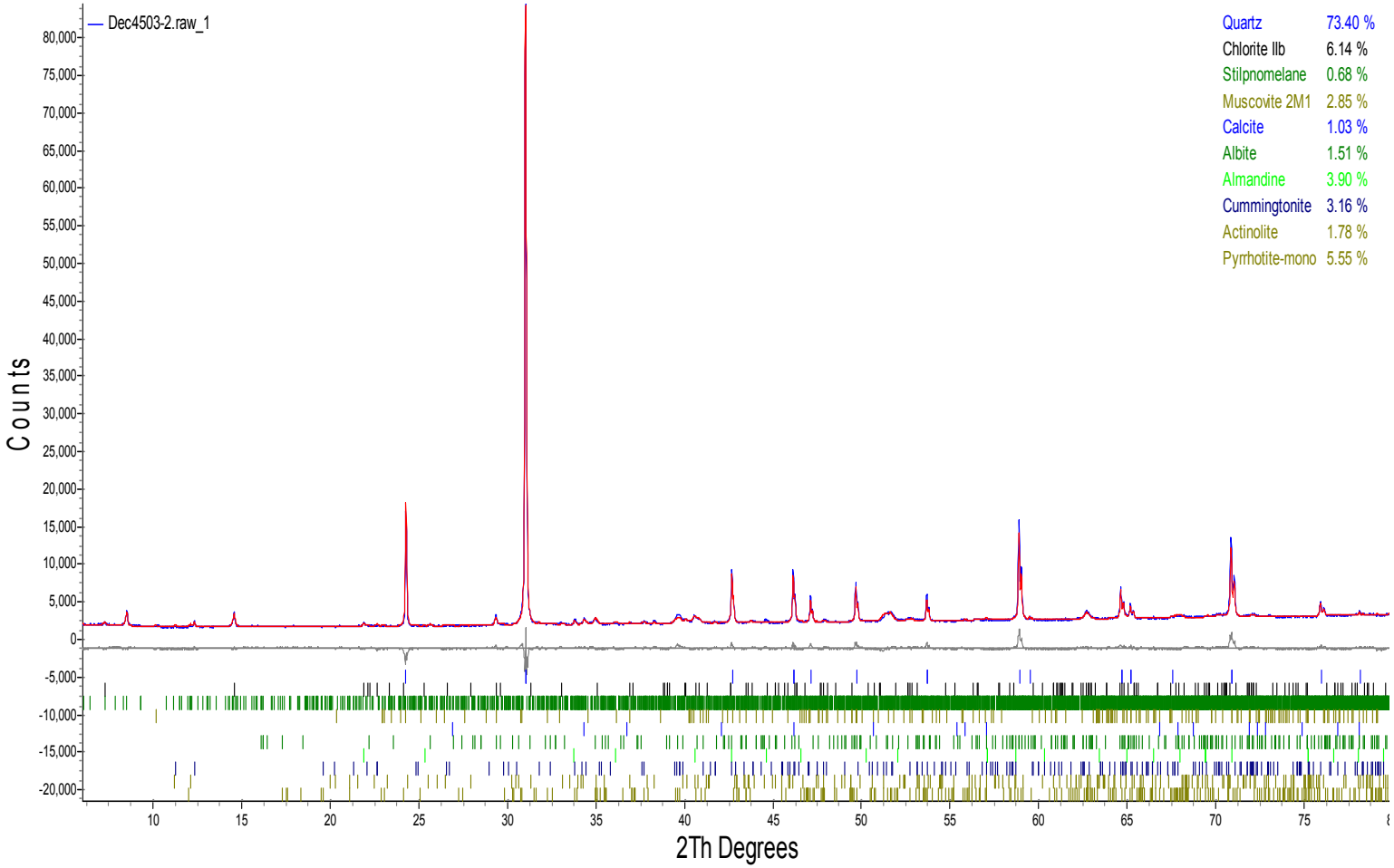
Mineral List

Mineral/Compound	Formula
Quartz	SiO_2
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$
Stilpnomelane	$K(Fe^{2+},Mg,Fe^{3+})_8(Si,Al)_{12}(O,OH)_{27}•n(H_2O)$
Magnesiohornblende	$Ca_2[Mg_4(Al,Fe^{3+})]Si_7AlO_{22}(OH)_2$
Talc	$Mg_3Si_4O_{10}(OH)_2$
Pyrite	FeS_2
Phlogopite	$KMg_3(AlSi_3O_{10})(OH)$
Siderite	$FeCO_3$
Calcite	$CaCO_3$
Albite	$NaAlSi_3O_8$
Orthoclase	$KAlSi_3O_8$
Biotite	$K(Mg,Fe)_3(AlSi_3O_{10})(OH)_2$
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$
Almandine	$Fe_3Al_2Si_3O_{12}$
Cummingtonite	$(Mg,Fe)_7Si_8O_{22}(OH)_2$
Actinolite	$Ca_2(Mg,Fe)_5Si_8O_{22}(OH)_2$
Pyrrhotite	$Fe_{(1-x)}S$
Diopside	$CaMgSi_2O_6$
Sphalerite	ZnS
Anorthite	$CaAl_2Si_2O_8$
Ankerite	$CaFe(CO_3)_2$
Richterite	$Na(CaNa)(Mg,Fe^{2+})_5[Si_8O_{22}](OH)_2$

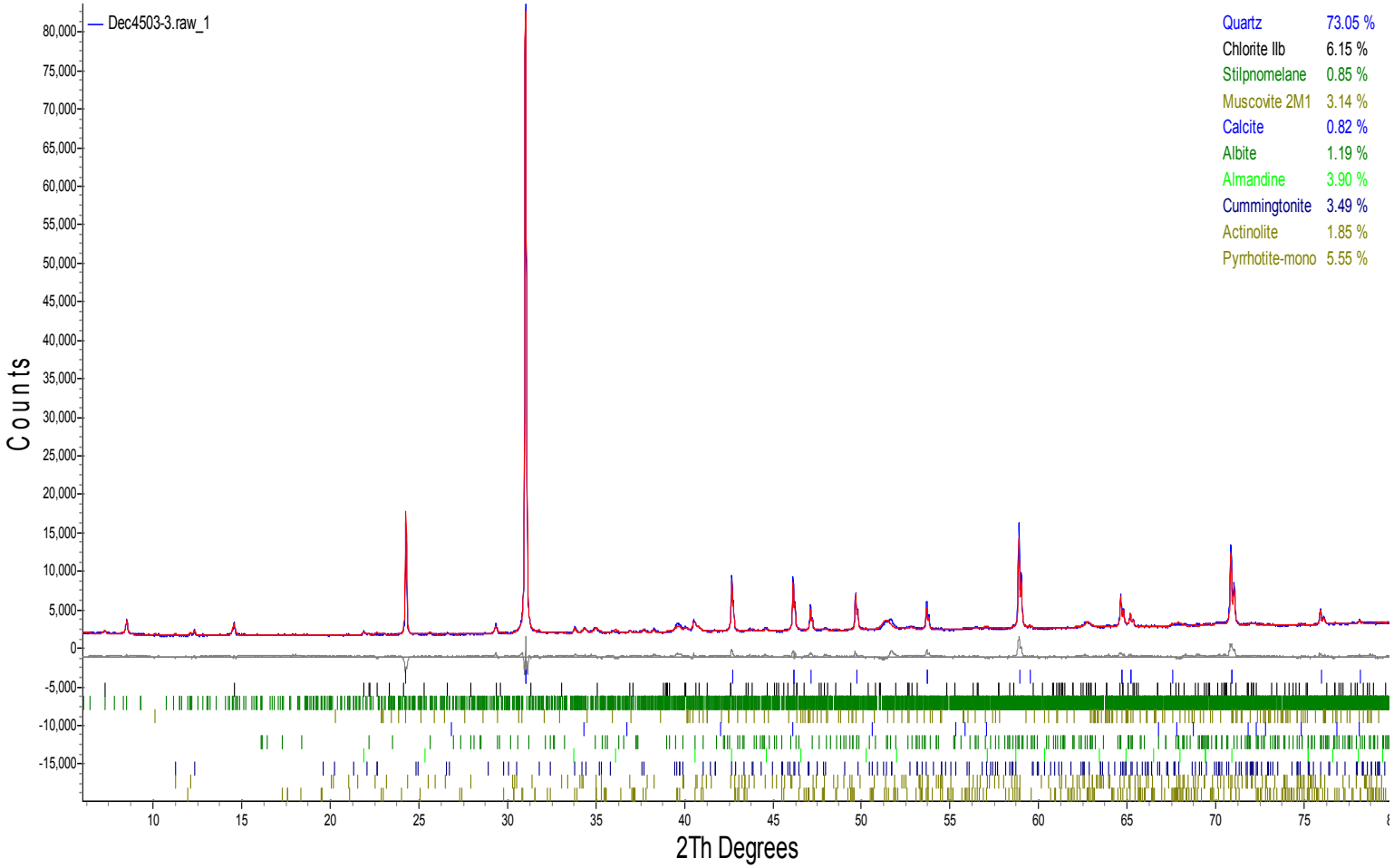
AMQ-ENV15-007



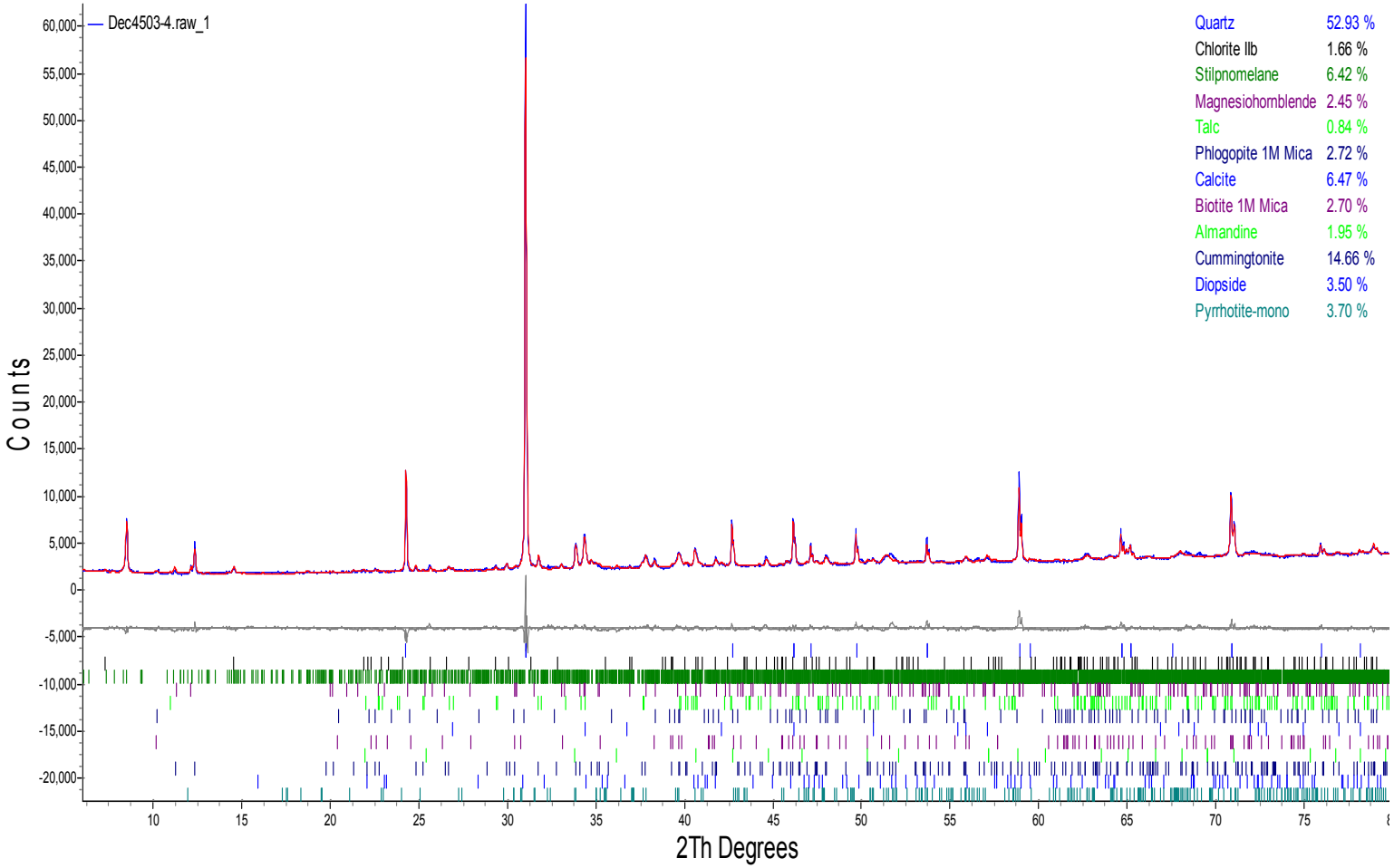
AMQ-ENV15-008



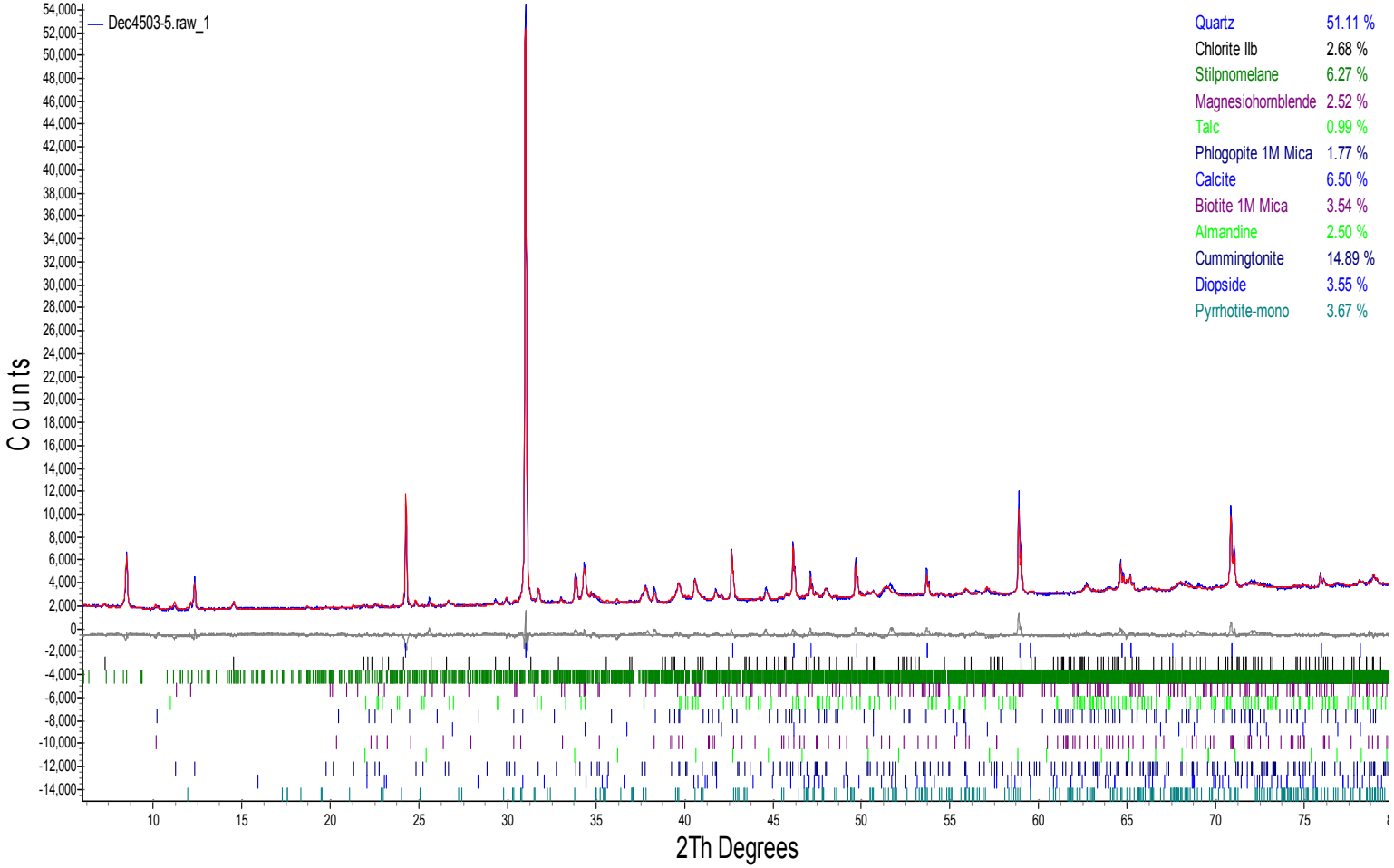
AMQ-ENV15-008 Dup



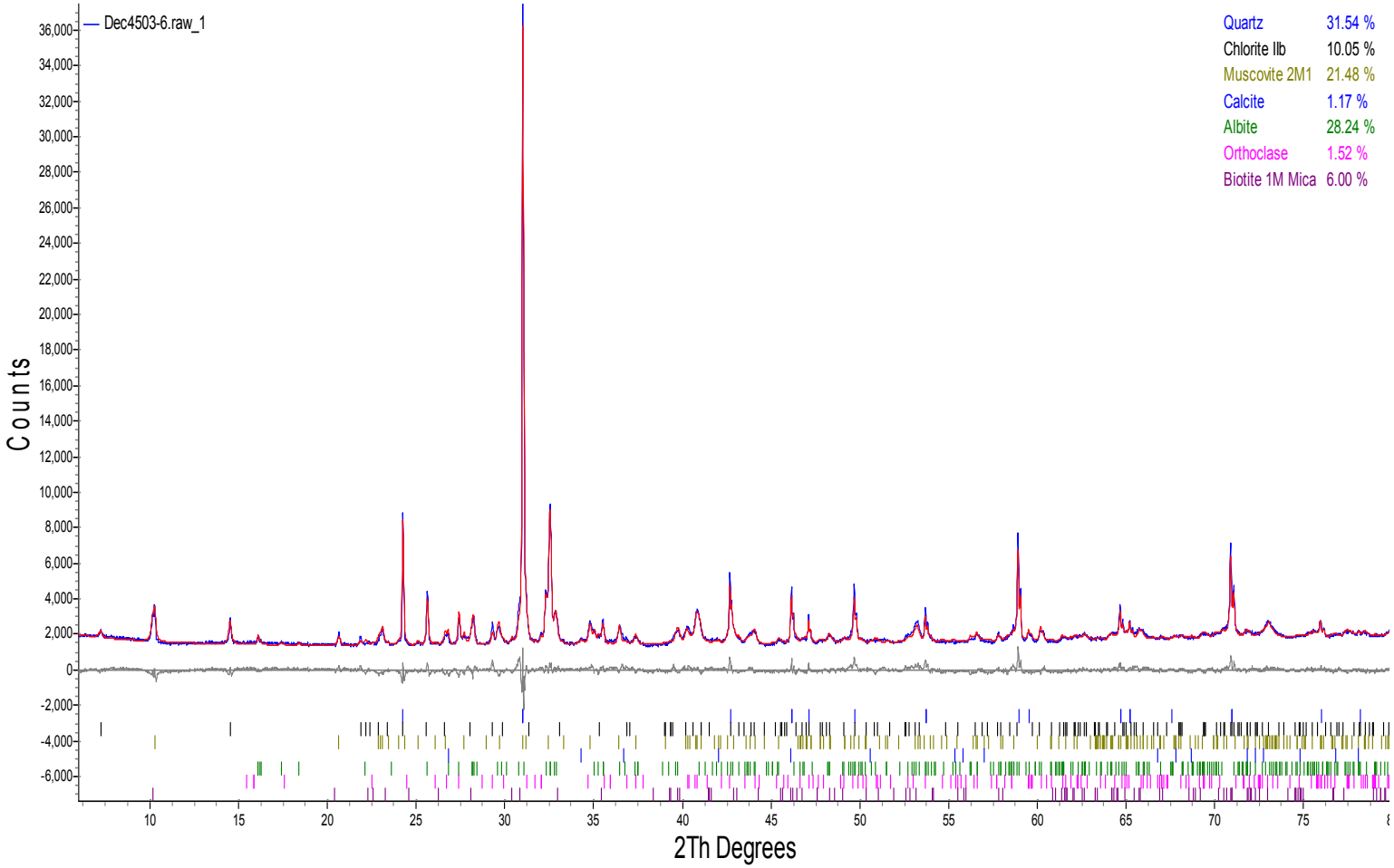
AMQ-ENV15-025



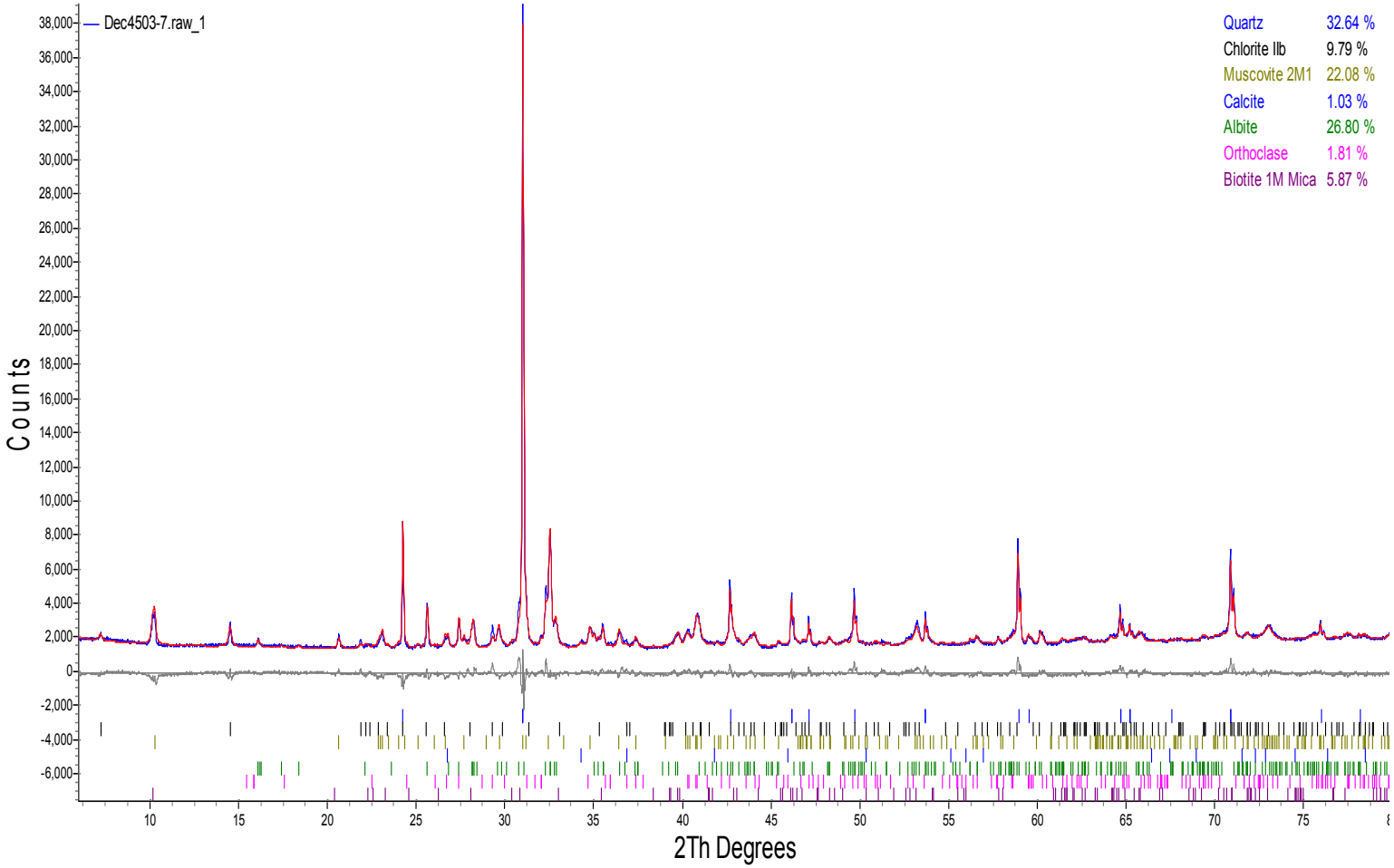
AMQ-ENV15-025 Dup



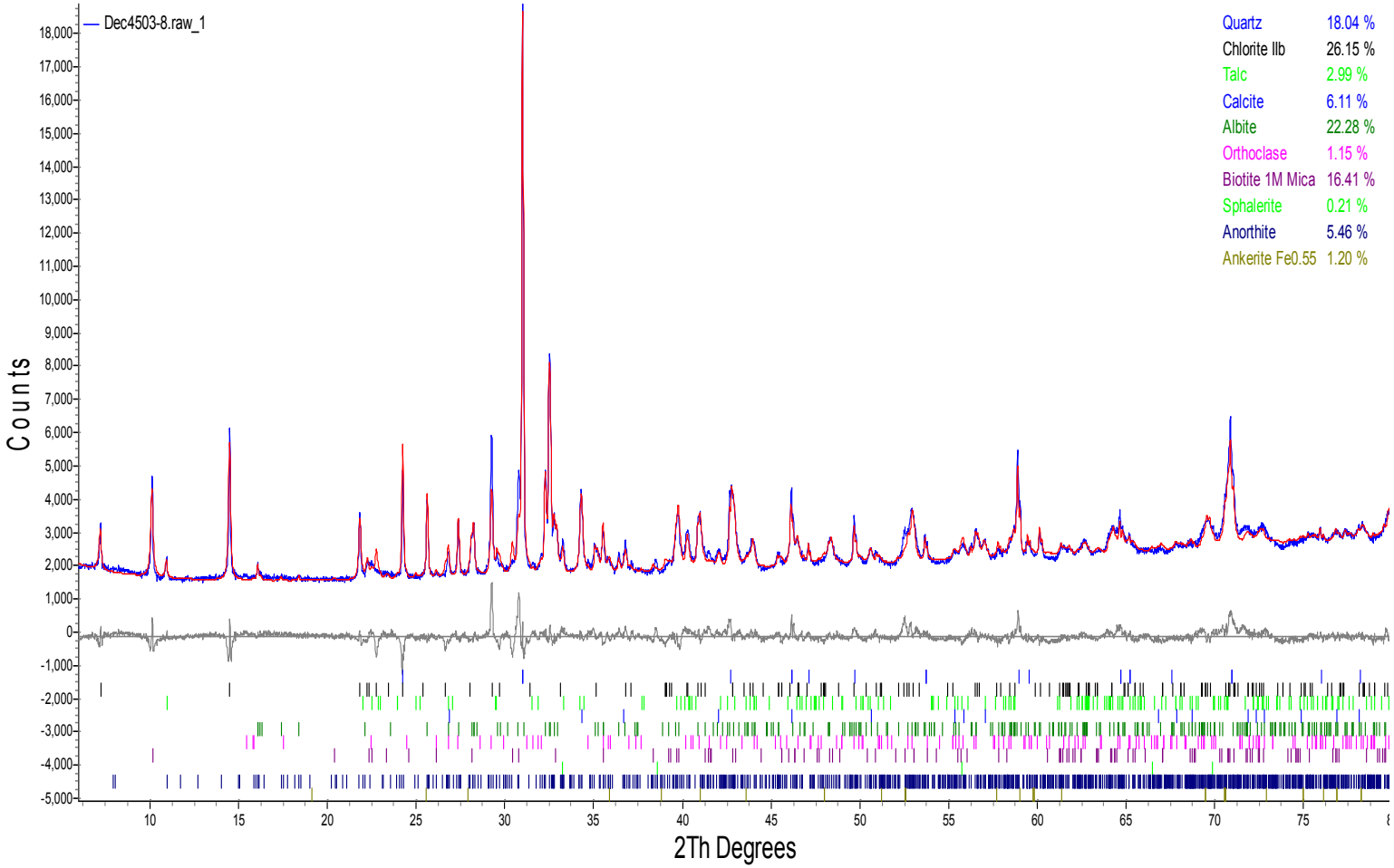
AMQ-ENV15-107



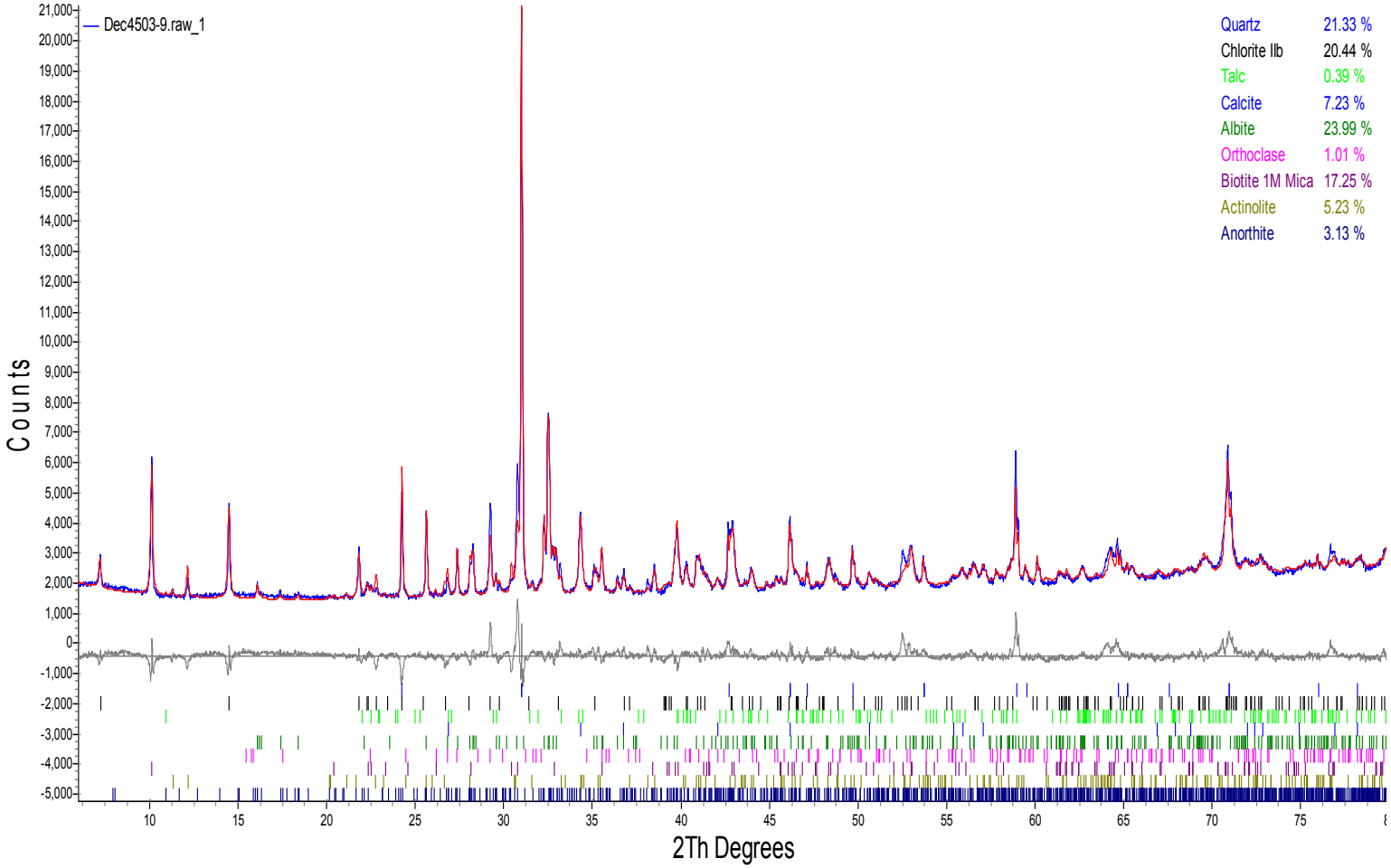
AMQ-ENV15-107 Dup



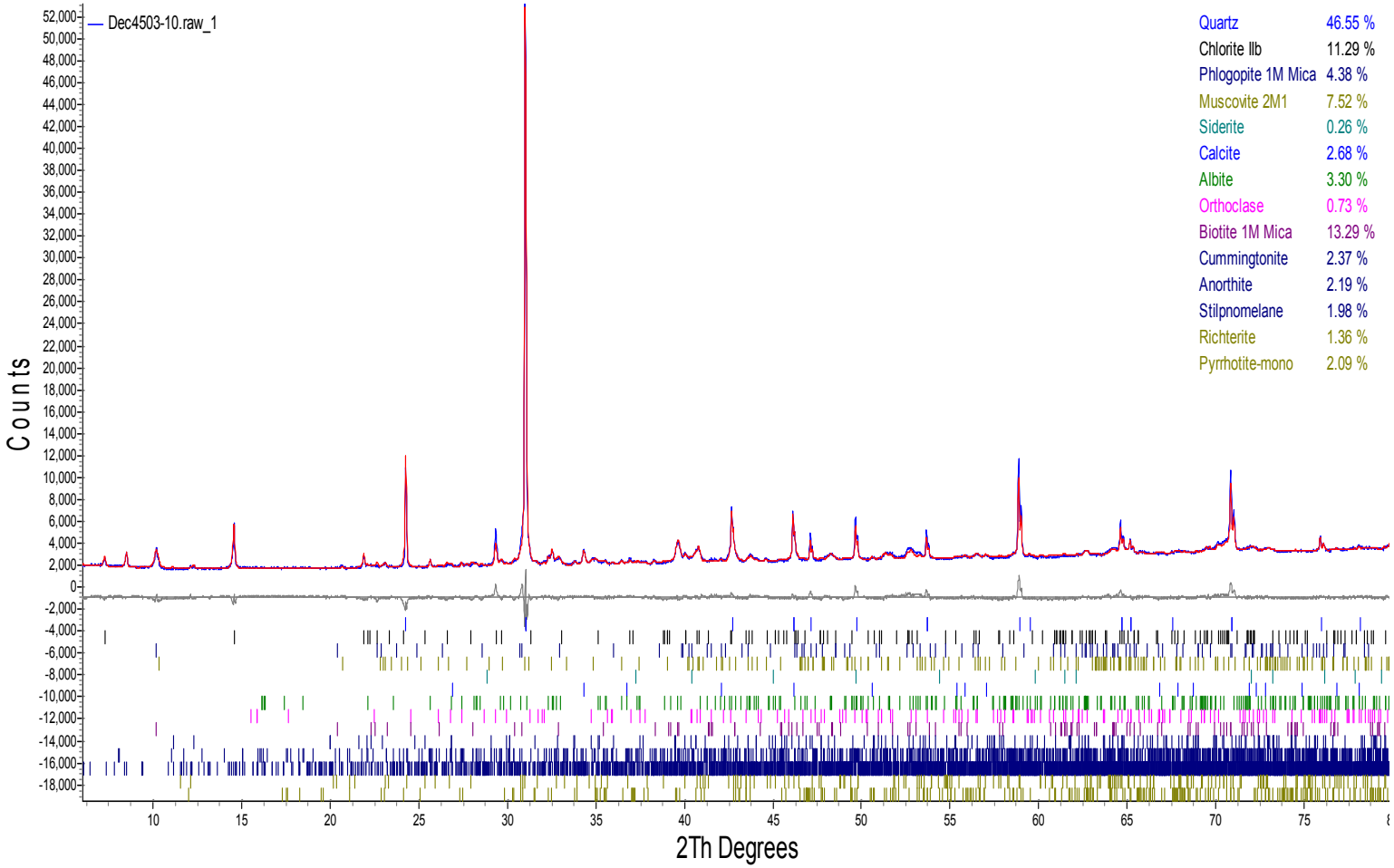
AMQ-ENV-50


Dec4503-8.raw_1
Quartz 18.04 %
Chlorite IIb 26.15 %
Talc 2.99 %
Calcite 6.11 %
Albite 22.28 %
Orthoclase 1.15 %
Biotite 1M Mica 16.41 %
Sphalerite 0.21 %
Anorthite 5.46 %
Ankerite Fe0.55 1.20 %
Counts
2Th Degrees

AMQ-ENV-63


Dec4503-9.raw_1
Quartz 21.33 %
Chlorite IIb 20.44 %
Talc 0.39 %
Calcite 7.23 %
Albite 23.99 %
Orthoclase 1.01 %
Biotite 1M Mica 17.25 %
Actinolite 5.23 %
Anorthite 3.13 %
Counts
2Th Degrees

AMQ-ENV15-096



Quantitative X-Ray Diffraction by Rietveld Refinement

Report Prepared for:	*Environmental -Analytical*
Project Number/ LIMS No.	*Custom XRD/MI4504-FEB18*
Sample Receipt:	*February 6, 2018*
Sample Analysis:	*February 7, 2018*
Reporting Date:	*February 13, 2018*

Instrument:	BRUKER AXS D8 Advance Diffractometer
Test Conditions:	Co radiation, 40 kV, 35 mA Regular Scanning: Step: 0.02°, Step time: 1s, 2θ range: 3-80°
Interpretations :	PDF2/PDF4 powder diffraction databases issued by the International Center for Diffraction Data (ICDD). DiffracPIus Eva and Topas software.
Detection Limit :	0.5-2%. Strongly dependent on crystallinity.

Contents:

1) Method Summary
2) Summary of Mineral Assemblages
3) Quantitative XRD Results
4) XRD Pattern(s)

Kim Gibbs, H.B.Sc., P.Geo.
Senior Mineralogist

Huyun Zhou, Ph.D., P.Geo.
Senior Mineralogist

ACCREDITATION: SGS Minerals Services Lakefield is accredited to the requirements of ISO/IEC 17025 for specific tests as listed on our scope of accreditation, including geochemical, mineralogical and trade mineral tests. To view a list of the accredited methods, please visit the following website and search SGS Canada - Minerals Services - Lakefield: http://palcan.scc.ca/SpecsSearch/GLSearchForm.do.

Method Summary

The Rietveld Method of Mineral Identification by XRD (ME-LR-MIN-MET-MN-D05) method used by SGS Minerals Services is accredited to the requirements of ISO/IEC 17025.

Mineral Identification and Interpretation:

Mineral identification and interpretation involves matching the diffraction pattern of an unknown material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) database and released on software as Powder Diffraction Files (PDF).

Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds, except when internal standards have been added by request. Mineral proportions may be strongly influenced by crystallinity, crystal structure and preferred orientations. Mineral or compound identification and quantitative analysis results should be accompanied by supporting chemical assay data or other additional tests.

Quantitative Rietveld Analysis:

Quantitative Rietveld Analysis is performed by using Topas 4.2 (Bruker AXS), a graphics based profile analysis program built around a non-linear least squares fitting system, to determine the amount of different phases present in a multicomponent sample. Whole pattern analyses are predicated by the fact that the X-ray diffraction pattern is a total sum of both instrumental and specimen factors. Unlike other peak intensity-based methods, the Rietveld method uses a least squares approach to refine a theoretical line profile until it matches the obtained experimental patterns.

Rietveld refinement is completed with a set of minerals specifically identified for the sample. Zero values indicate that the mineral was included in the refinement calculations, but the calculated concentration was less than 0.05wt%. Minerals not identified by the analyst are not included in refinement calculations for specific samples and are indicated with a dash.

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

Summary of Rietveld Quantitative Analysis X-Ray Diffraction Results

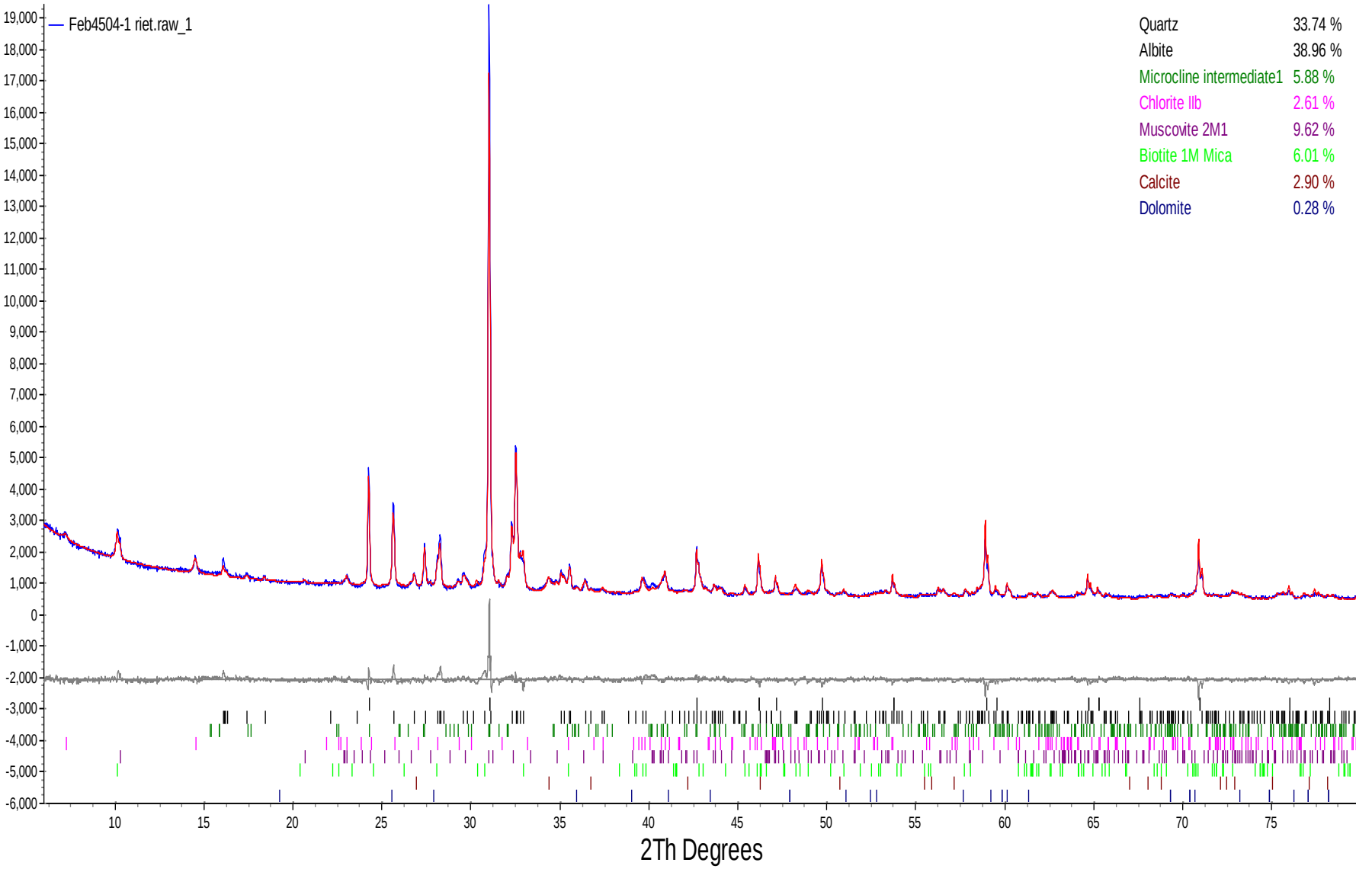
Mineral/Compound	AMQ-ENV17-25 FEB4504-01 (wt %)	AMQ-ENV15-065 FEB4504-02 (wt %)	AMQ-ENV15-054 FEB4504-03 (wt %)	AMQ-ENV15-063 FEB4504-04 (wt %)	AMQ-ENV16-43 FEB4504-05 (wt %)	AMQ-ENV16-47 FEB4504-06 (wt %)	AMQ-ENV15-120 FEB4504-07 (wt %)
Quartz	33.7	32.0	49.2	29.6	28.9	38.0	37.7
Albite	39.0	32.5	16.5	28.4	29.5	20.5	15.2
Microcline	5.9	5.7	4.8	2.1	9.3	4.4	5.6
Chlorite	2.6	2.9	2.8	3.8	8.1	4.5	4.0
Muscovite	9.6	19.1	13.3	20.5	18.2	22.8	29.4
Biotite	6.0	6.5	4.0	14.7	4.6	7.5	6.8
Calcite	2.9	1.0	1.3	0.9	1.3	1.8	1.0
Dolomite	0.3	0.4	0.1	0.2	-	0.5	0.3
Pyrite	-	-	8.0	-	-	-	-
TOTAL	100	100	100	100	100	100	100

Zero values indicate that the mineral was included in the refinement, but the calculated concentration is below a measurable value.

Dashes indicate that the mineral was not identifed by the analyst and not included in the refinement calculation for the sample.

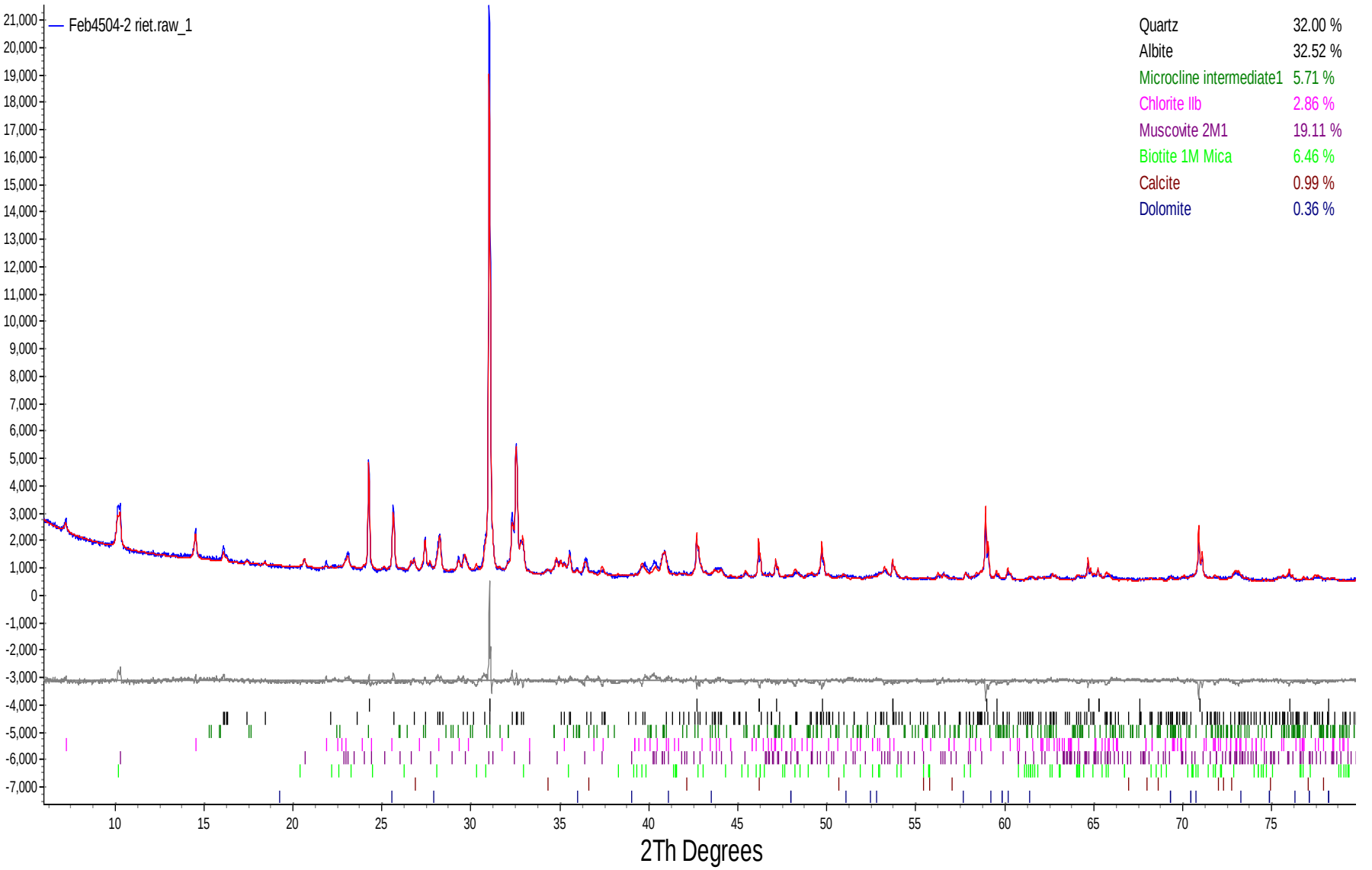
Mineral/Compound	Formula
Quartz	SiO_2
Albite	$NaAlSi_3O_8$
Microcline	$KAlSi_3O_8$
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$
Biotite	$K(Mg,Fe)_3(AlSi_3O_{10})(OH)_2$
Calcite	$CaCO_3$
Dolomite	$CaMg(CO_3)_2$
Pyrite	FeS_2

AMQ-ENV17-25



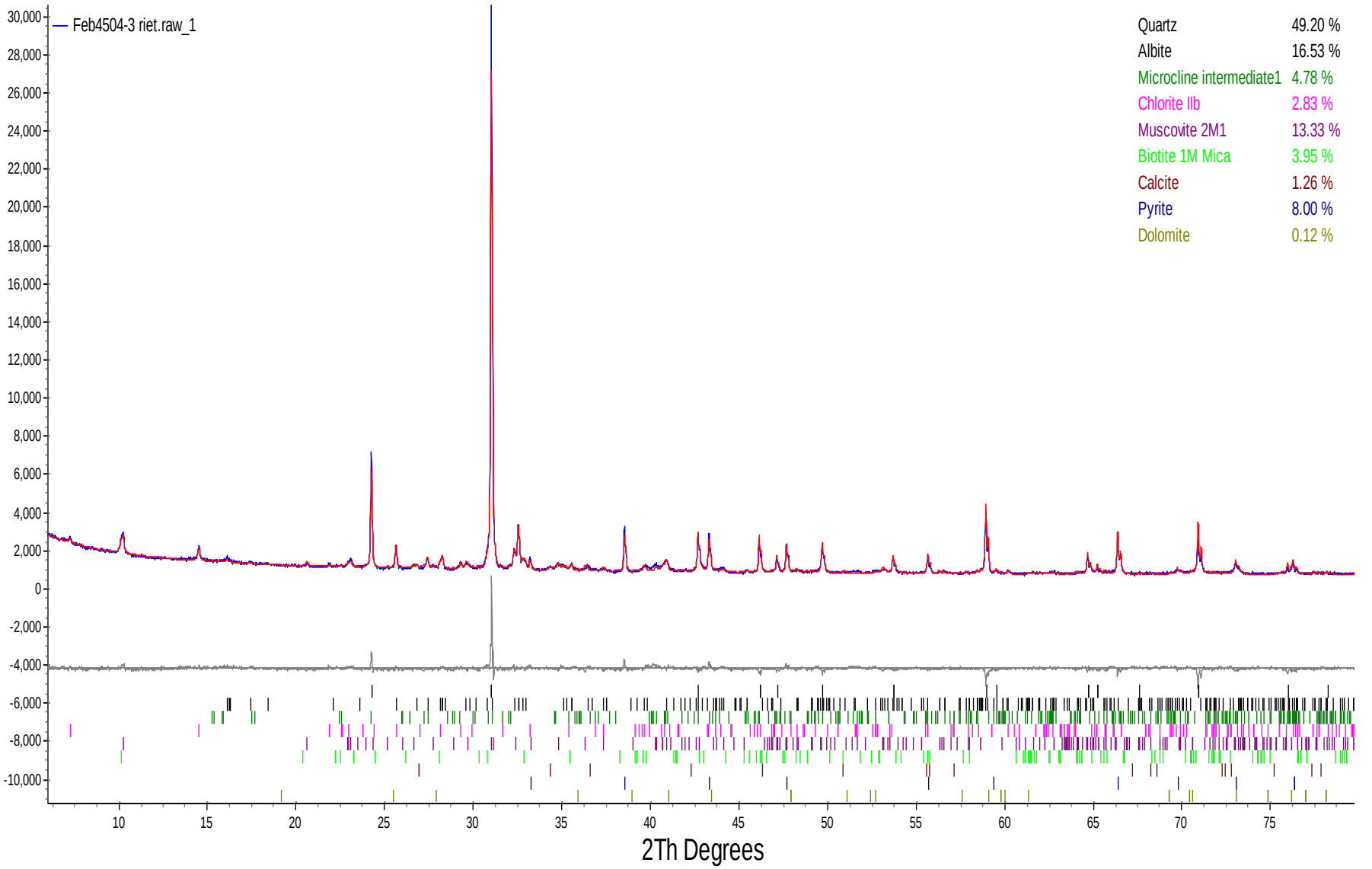
Quartz	33.74 %
Albite	38.96 %
Microcline intermediate1	5.88 %
Chlorite IIb	2.61 %
Muscovite 2M1	9.62 %
Biotite 1M Mica	6.01 %
Calcite	2.90 %
Dolomite	0.28 %

AMQ-ENV15-065



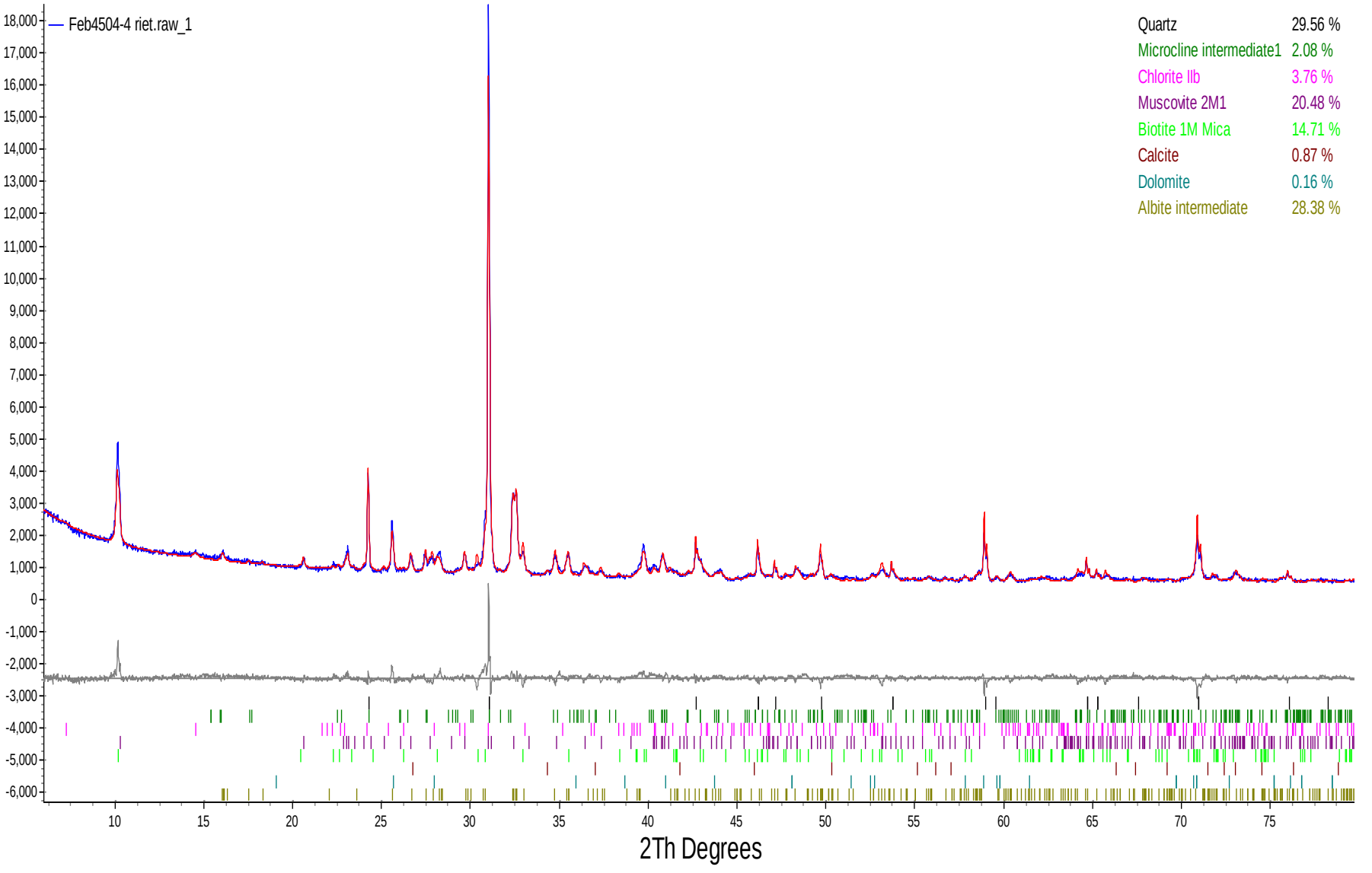
Quartz	32.00 %
Albite	32.52 %
Microcline intermediate1	5.71 %
Chlorite IIb	2.86 %
Muscovite 2M1	19.11 %
Biotite 1M Mica	6.46 %
Calcite	0.99 %
Dolomite	0.36 %

AMQ-ENV15-054



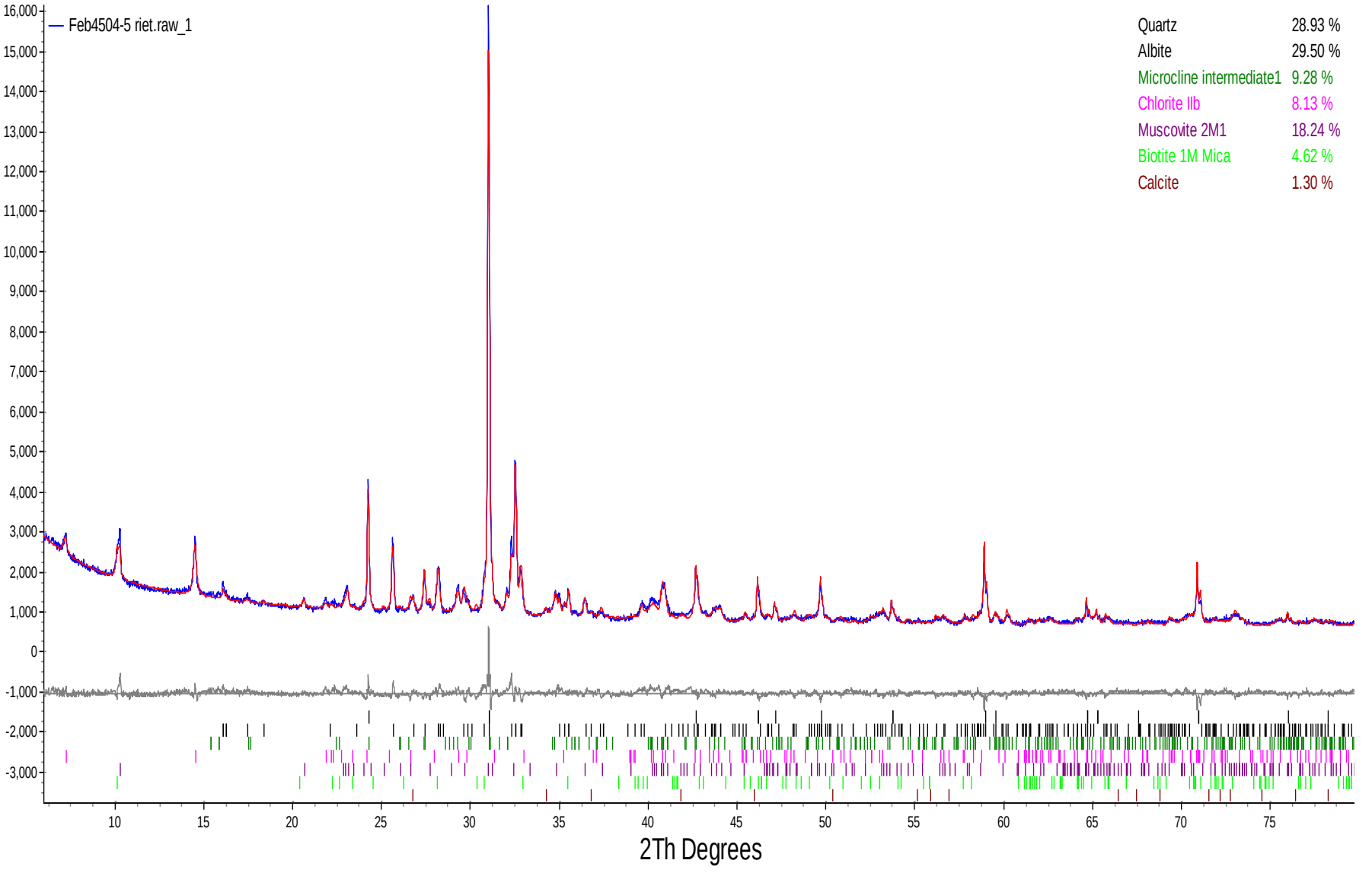
Quartz	49.20 %
Albite	16.53 %
Microcline intermediate1	4.78 %
Chlorite IIb	2.83 %
Muscovite 2M1	13.33 %
Biotite 1M Mica	3.95 %
Calcite	1.26 %
Pyrite	8.00 %
Dolomite	0.12 %

AMQ-ENV15-063



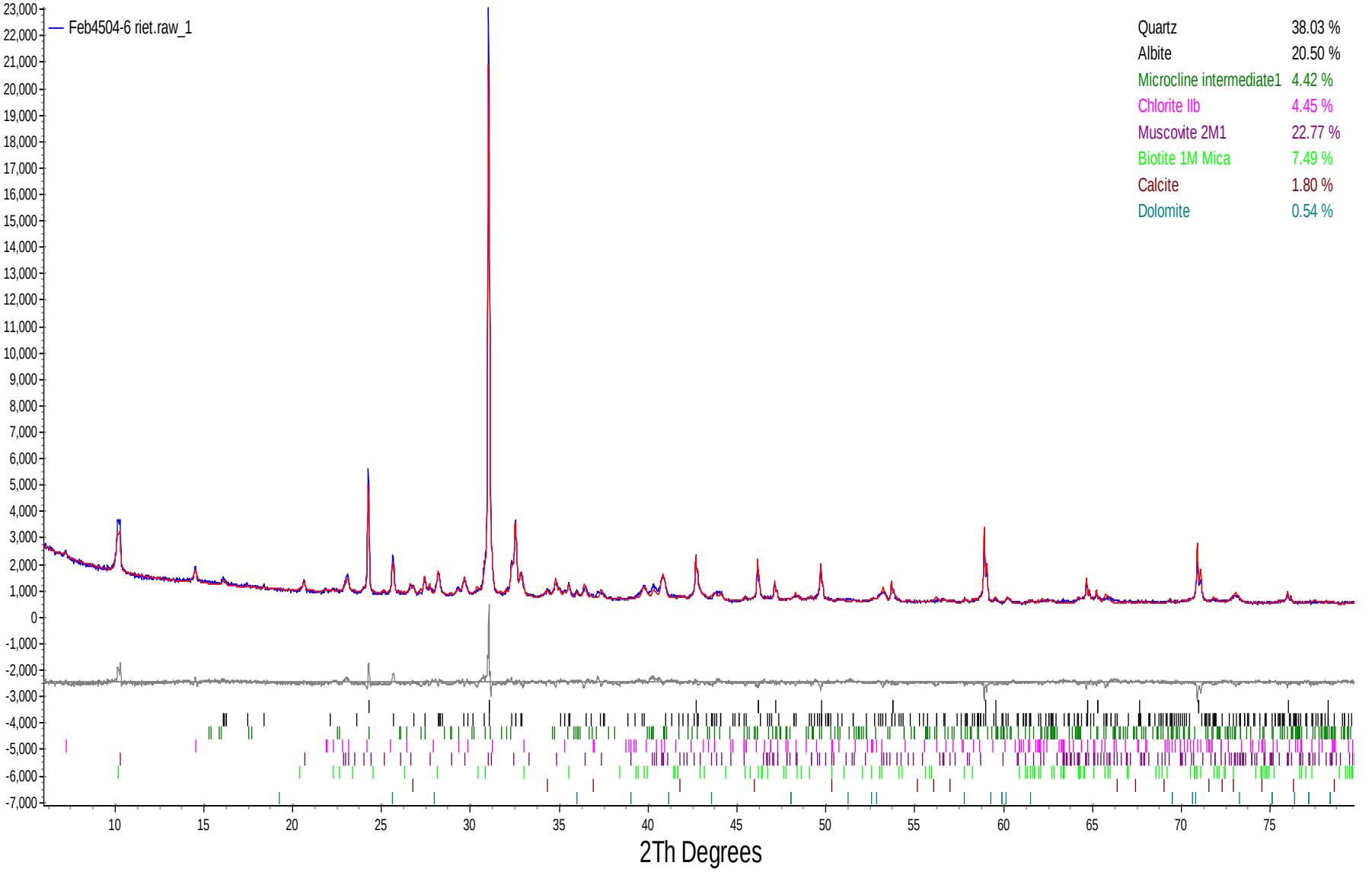
Quartz	29.56 %
Microcline intermediate1	2.08 %
Chlorite IIb	3.76 %
Muscovite 2M1	20.48 %
Biotite 1M Mica	14.71 %
Calcite	0.87 %
Dolomite	0.16 %
Albite intermediate	28.38 %

AMQ-EMV16-43



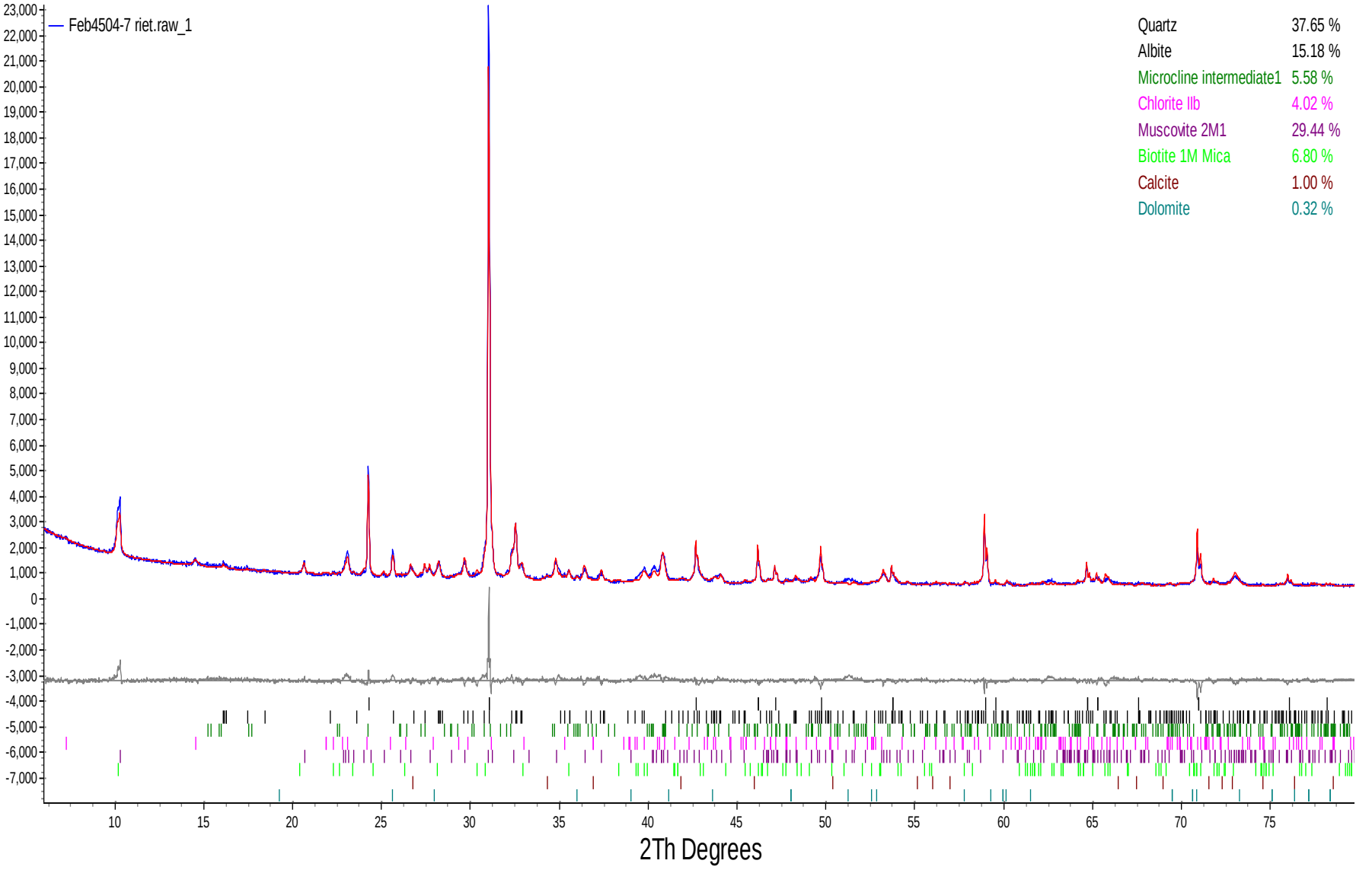
Quartz	28.93 %
Albite	29.50 %
Microcline intermediate1	9.28 %
Chlorite IIb	8.13 %
Muscovite 2M1	18.24 %
Biotite 1M Mica	4.62 %
Calcite	1.30 %

AMQ-EMV16-47



Quartz	38.03 %
Albite	20.50 %
Microcline intermediate1	4.42 %
Chlorite IIb	4.45 %
Muscovite 2M1	22.77 %
Biotite 1M Mica	7.49 %
Calcite	1.80 %
Dolomite	0.54 %

AMQ-EMV15-120



Quartz	37.65 %
Albite	15.18 %
Microcline intermediate1	5.58 %
Chlorite IIb	4.02 %
Muscovite 2M1	29.44 %
Biotite 1M Mica	6.80 %
Calcite	1.00 %
Dolomite	0.32 %

Quantitative X-Ray Diffraction by Rietveld Refinement

Report Prepared for:	*Environmental -Analytical*
Project Number/ LIMS No.	*Custom XRD/MI4522-OCT16*
Sample Receipt:	*October 24, 2016*
Sample Analysis:	*October 25, 2016*
Reporting Date:	*November 1, 2016*

Instrument:	BRUKER AXS D8 Advance Diffractometer
Test Conditions:	Co radiation, 40 kV, 35 mA Regular Scanning: Step: 0.02°, Step time: 1s, 2θ range: 3-80°
Interpretations:	PDF2/PDF4 powder diffraction databases issued by the International Center for Diffraction Data (ICDD). DiffracPlus Eva and Topas software.
Detection Limit:	0.5-2%. Strongly dependent on crystallinity.

Contents:

1) Method Summary
2) Summary of Mineral Assemblages
3) Quantitative XRD Results
4) XRD Pattern(s)

Kim Gibbs, H.B.Sc., P.Geo.
Senior Mineralogist

Huyun Zhou, Ph.D., P.Geo.
Senior Mineralogist

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Method Summary

The Rietveld Method of Mineral Identification by XRD (ME-LR-MIN-MET-MN-D05) method used by SGS Minerals Services is accredited to the requirements of ISO/IEC 17025.

Mineral Identification and Interpretation:

Mineral identification and interpretation involves matching the diffraction pattern of an unknown material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) database and released on software as Powder Diffraction Files (PDF).

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Quantitative Rietveld Analysis:

Quantitative Rietveld Analysis is performed by using Topas 4.2 (Bruker AXS), a graphics based profile analysis program built around a non-linear least squares fitting system, to determine the amount of different phases present in a multicomponent sample. Whole pattern analyses are predicated by the fact that the X-ray diffraction pattern is a total sum of both instrumental and specimen factors. Unlike other peak intensity-based methods, the Rietveld method uses a least squares approach to refine a theoretical line profile until it matches the obtained experimental patterns.

Rietveld refinement is completed with a set of minerals specifically identified for the sample. Zero values indicate that the mineral was included in the refinement calculations, but the calculated concentration was less than 0.05wt%. Minerals not identified by the analyst are not included in refinement calculations for specific samples and are indicated with a dash.

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SGS Minerals
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Member of the SGS Group (SGS SA)

Summary of Rietveld Quantitative Analysis X-ray Diffraction Results

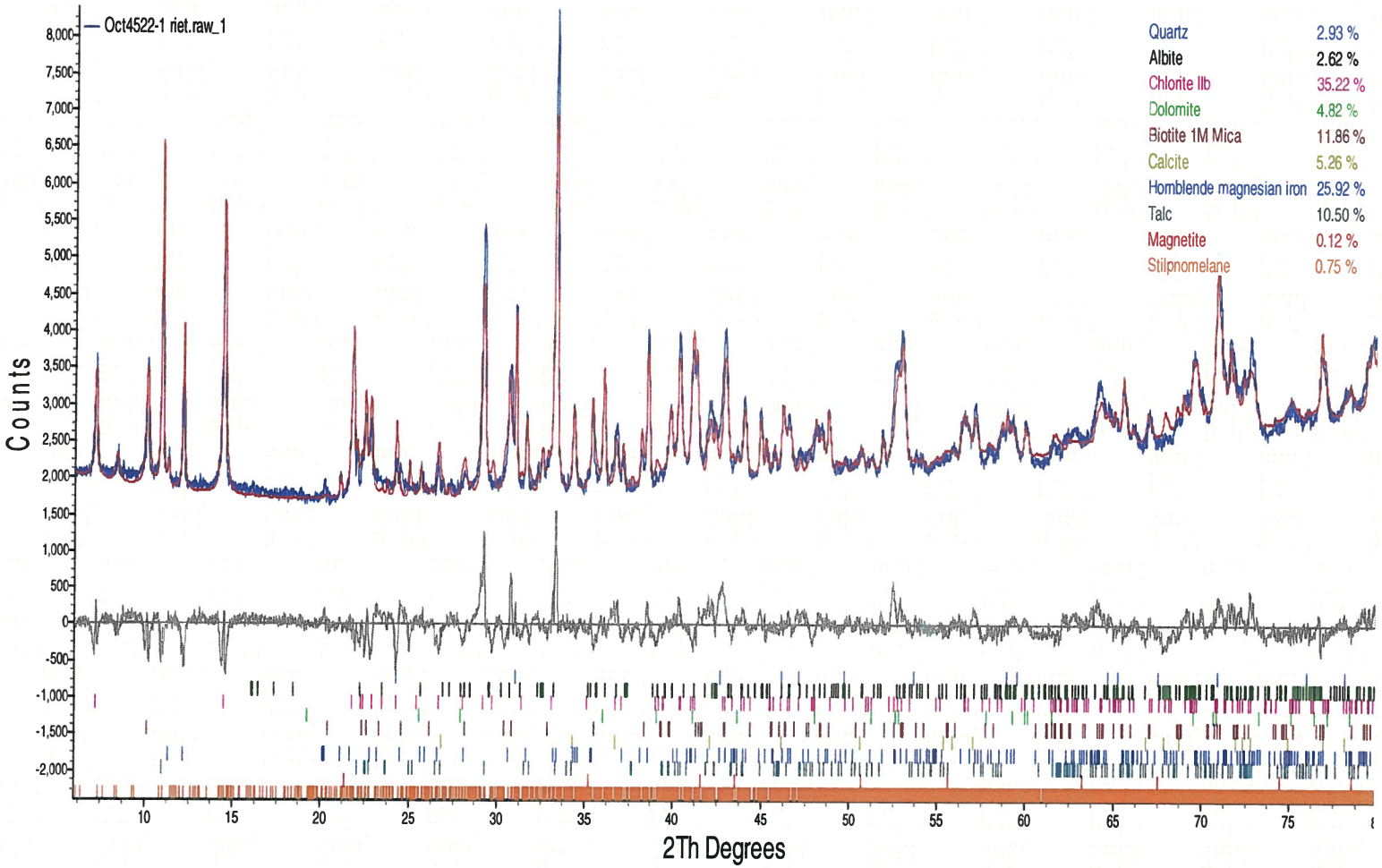
Quantitative X-ray Diffraction Results

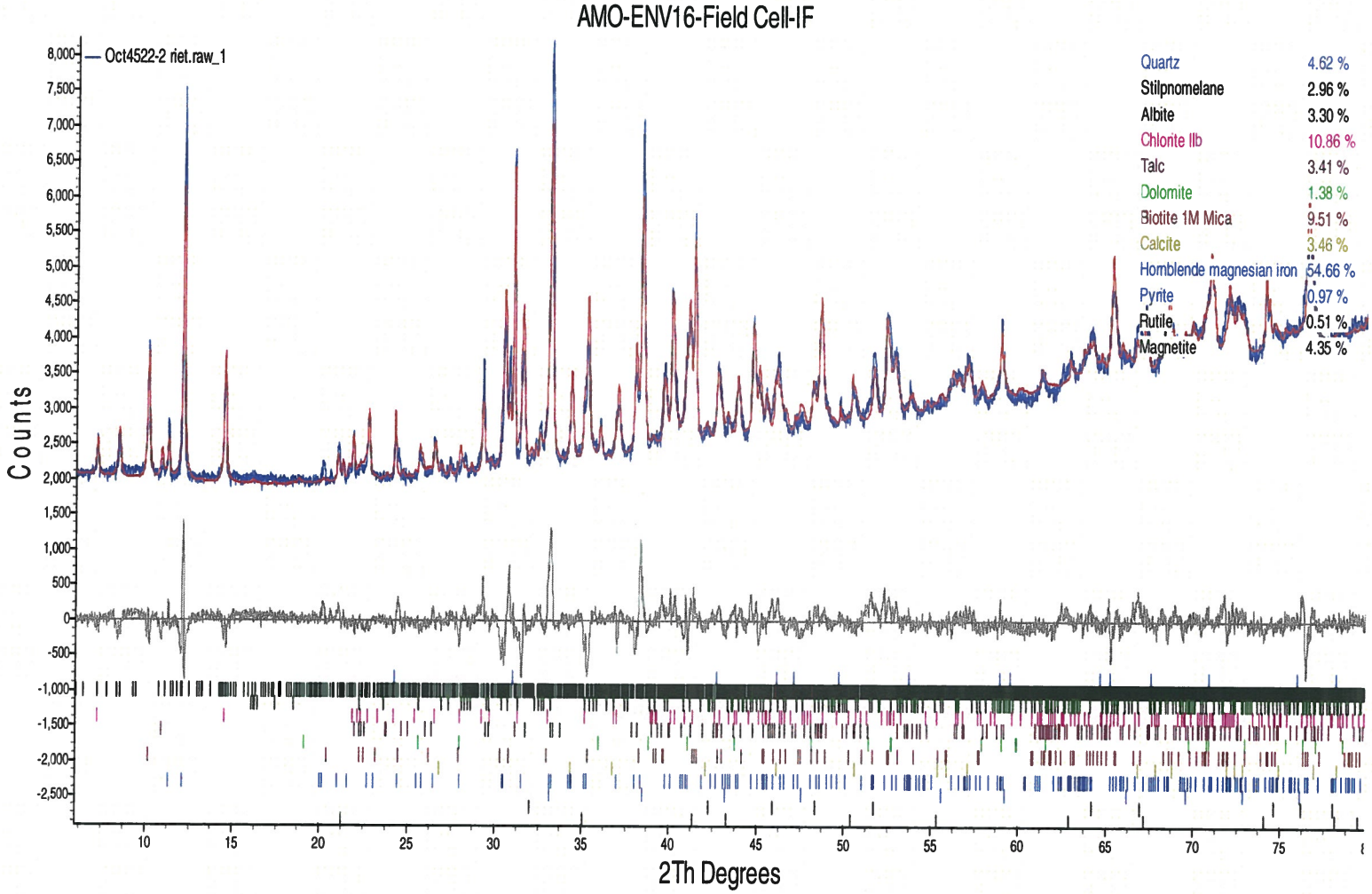
Mineral/Compound	AMO-ENV16-Field Cell-UM OCT4522-01 (wt %)	AMO-ENV16-Field Cell-IF OCT4522-02 (wt %)
Quartz	2.9	4.6
Albite	2.6	3.3
Chlorite	35.2	10.9
Dolomite	4.8	1.4
Biotite	11.9	9.5
Calcite	5.3	3.5
Hornblende	25.9	54.7
Talc	10.5	3.4
Magnetite	0.1	4.4
Stilpnomelane	0.8	3.0
Pyrite	-	1.0
Rutile	-	0.5
TOTAL	100	100

Zero values indicate that the mineral was included in the refinement, but the calculated concentration is below a measurable value.
Dashes indicate that the mineral was not identifed by the analyst and not included in the refinement calculation for the sample.

Mineral/Compound	Formula
Quartz	SiO_2
Albite	$NaAlSi_3O_8$
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$
Dolomite	$CaMg(CO_3)_2$
Biotite	$K(Mg,Fe)_3(AlSi_3O_{10})(OH)_2$
Calcite	$CaCO_3$
Hornblende	$(Ca,Na)_{2-3}(Mg,Fe,Al)_5Si_6(Si,Al)_2O_{22}(OH)_2$
Talc	$Mg_3Si_4O_{10}(OH)_2$
Magnetite	Fe_3O_4
Stilpnomelane	$K_5Fe_{48}[Si_{63}Al_9]O_{168}(OH)_{48}\cdot 12H_2O$
Pyrite	FeS_2
Rutile	TiO_2

AMO-ENV16-Field Cell-UM




AMO-ENV16-Field Cell-IF
Oct4522-2 riet.raw_1
Quartz 4.62 %
Stilpnomelane 2.96 %
Albite 3.30 %
Chlorite IIb 10.86 %
Talc 3.41 %
Dolomite 1.38 %
Biotite 1M Mica 9.51 %
Calcite 3.46 %
Hornblende magnesian iron 54.66 %
Pyrite 0.97 %
Rutile 0.51 %
Magnetite 4.35 %
Counts
2Th Degrees

APPENDIX K

Certificates of Analysis (Kinetic Testing)

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-118
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L
0	CA10088-DEC15	15-Sec-15	1000	889	8.51	< 2	20	60	2	3.88	3	< 0.06
1	CA10115-DEC15	22-Dec-15	1000	964	7.75	< 2	21	45	2	3.34	1	< 0.06
2	CA10150-DEC15	29-Dec-15	1000	973	7.42	< 2	16	38	2	2.74	< 1	< 0.06
3	CA10011-JAN16	05-Jan-16	1000	946	7.76	< 2	15	36	1	2.88	< 1	< 0.06
4	CA10048-JAN16	12-Jan-16	1000	935	8.23	< 2	13	31	2	2.56	< 1	< 0.06
5	CA10089-JAN16	19-Jan-16	1000	937	7.58	< 2	12	26	1	2.27	< 1	< 0.06
6	CA10130-JAN16	26-Jan-16	1000	927	8.26	< 2	11	26	1	2.05	---	---
7	CA10013-FEB16	02-Feb-16	1000	927	7.71	< 2	13	25	1	2.01	---	---
8	CA10055-FEB16	09-Feb-16	1000	946	7.82	< 2	12	28	1	2.18	---	---
9	CA10096-FEB16	16-Feb-16	1000	965	7.50	< 2	10	23	1	2.04	---	---
10	CA10140-FEB16	23-Feb-16	1000	971	7.96	< 2	10	23	1	2.21	< 1	< 0.06
11	CA10009-MAR16	01-Mar-16	1000	968	7.59	< 2	10	23	1	2.01	---	---
12	CA10046-MAR16	08-Mar-16	1000	967	7.70	< 2	9	23	2	2.50	---	---
13	CA10083-MAR16	15-Mar-16	1000	967	7.69	< 2	11	21	1	1.88	---	---
14	CA10127-MAR16	22-Mar-16	1000	968	7.66	< 2	9	19	1	1.75	---	---
15	CA10163-MAR16	29-Mar-16	1000	972	7.40	< 2	8	19	1	1.77	< 1	< 0.06
16	CA10009-APR16	05-Apr-16	1000	961	7.41	< 2	8	18	2	1.76	---	---
17	CA10046-APR16	11-Apr-16	1000	982	7.40	< 2	9	20	1	1.97	---	---
18	CA10088-APR16	19-Apr-16	1000	976	7.50	< 2	9	19	2	1.71	---	---
19	CA10119-APR16	26-Apr-16	1000	965	7.49	< 2	8	19	1	1.77	---	---
20	CA10008-MAY16	03-May-16	1000	971	7.51	< 2	8	18	1	1.65	< 1	< 0.06
21	CA10046-MAY16	10-May-16	1000	984	7.30	< 2	8	20	< 1	1.80	---	---
22	CA10087-MAY16	17-May-16	1000	988	7.42	< 2	8	19	< 1	1.80	---	---
23	CA10122-MAY16	24-May-16	1000	998	7.56	< 2	8	20	1	1.71	---	---
24	CA10164-MAY16	31-May-16	1000	1000	7.35	< 2	8	18	1	1.74	---	---
25	CA10022-JUN16	07-Jun-16	1000	1007	7.37	< 2	8	19	< 1	1.91	< 1	< 0.06
26	CA10053-JUN16	14-Jun-16	1000	1010	7.39	< 2	8	20	< 1	1.96	---	---
27	CA10084-JUN16	21-Jun-16	1000	1016	7.52	< 2	9	20	1	1.93	---	---
28	CA10121-JUN16	28-Jun-16	1000	1004	7.37	< 2	8	20	1	2.02	---	---
29	CA10010-JUL16	05-Jul-16	1000	1015	7.55	< 2	9	19	1	1.58	---	---
30	CA10047-JUL16	12-Jul-16	1000	1001	7.40	< 2	9	19	1	1.94	< 1	< 0.06
31	CA10084-JUL16	19-Jul-16	1000	995	7.41	< 2	7	18	< 1	1.95	---	---
32	CA10117-JUL16	26-Jul-16	1000	983	7.95	< 2	10	21	2	1.70	---	---
33	CA10014-AUG16	02-Aug-16	1000	1021	7.42	< 2	8	19	1	2.13	---	---
34	CA10048-AUG16	09-Aug-16	1000	998	7.18	< 2	7	21	< 1	1.86	---	---
35	CA10084-AUG16	16-Aug-16	1000	983	7.15	< 2	7	18	1	1.59	< 1	< 0.06
36	CA10120-AUG16	23-Aug-16	1000	982	7.47	< 2	7	17	1	1.54	---	---
37	CA10155-AUG16	30-Aug-16	1000	984	7.50	< 2	22	17	2	1.73	---	---
38	CA10008-SEP16	06-Sep-16	1000	980	7.46	< 2	8	17	1	1.62	---	---
39	CA10044-SEP16	13-Sep-16	1000	1000	7.28	< 2	8	18	1	1.82	---	---
40	CA10085-SEP16	20-Sep-16	1000	995	7.35	< 2	7	18	1	1.77	< 1	< 0.06
41	CA10120SEP16	27-Sep-16	1000	986	7.17	< 2	5	16	2	1.67	---	---
42	CA10022-OCT16	04-Oct-16	1000	985	7.24	< 2	7	18	2	1.87	---	---
43	CA10043-OCT16	11-Oct-16	1000	988	7.33	< 2	8	18	1	1.72	---	---
44	CA10078-OCT-6	18-Oct-16	1000	976	7.38	< 2	7	16	2	1.66	---	---
45	CA10113-OCT16	25-Oct-16	1000									
46			1000								---	---
47			1000								---	---
48			1000								---	---
49			1000								---	---
50			1000									

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-118
Weight: 1 kg
Cell Type Wasterock

Analyte			Hg	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu
Week/Event	LIMS	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L
0	CA10088-DEC15	15-Sec-15	< 0.00001	< 0.000002	0.058	0.0068	0.012	< 0.000007	0.008	< 0.000007	< 0.000003	0.000007	0.00035	0.00036
1	CA10115-DEC15	22-Dec-15	< 0.00001	0.000029	0.040	0.0392	0.00879	0.000033	0.0199	0.000036	0.000029	0.000045	0.00039	0.00043
2	CA10150-DEC15	29-Dec-15	< 0.00001	0.000002	0.032	0.0591	0.00794	< 0.000007	0.0071	< 0.000007	< 0.000003	< 0.000004	0.00024	0.00041
3	CA10011-JAN16	05-Jan-16	< 0.00001	0.000003	0.051	0.0655	0.00762	< 0.000007	0.0047	< 0.000007	< 0.000003	0.000004	0.00026	0.00010
4	CA10048-JAN16	12-Jan-16	< 0.00001	< 0.000002	0.062	0.0629	0.00732	< 0.000007	0.0098	< 0.000007	< 0.000003	0.000013	0.00036	0.00006
5	CA10089-JAN16	19-Jan-16	< 0.00001	< 0.000002	0.069	0.0572	0.00681	< 0.000007	0.006	< 0.000007	< 0.000003	0.000225	0.00060	0.00015
6	CA10130-JAN16	26-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10013-FEB16	02-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10055-FEB16	09-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10096-FEB16	16-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10140-FEB16	23-Feb-16	< 0.00001	< 0.000002	0.043	0.0488	0.00788	< 0.000007	0.003	< 0.000007	< 0.000003	0.000024	0.00024	0.00050
11	CA10009-MAR16	01-Mar-16	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10046-MAR16	08-Mar-16	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10083-MAR16	15-Mar-16	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10127-MAR16	22-Mar-16	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10163-MAR16	29-Mar-16	< 0.00001	< 0.000002	0.039	0.0523	0.00709	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000029	0.00017	0.00021
16	CA10009-APR16	05-Apr-16	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10046-APR16	11-Apr-16	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10088-APR16	19-Apr-16	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10119-APR16	26-Apr-16	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10008-MAY16	03-May-16	< 0.00001	< 0.000002	0.037	0.0631	0.00750	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000035	0.00022	0.00007
21	CA10046-MAY16	10-May-16	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10087-MAY16	17-May-16	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10122-MAY16	24-May-16	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10164-MAY16	31-May-16	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10022-JUN16	07-Jun-16	< 0.00001	0.000002	0.023	0.0607	0.00947	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000031	0.00036	0.00005
26	CA10053-JUN16	14-Jun-16	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10084-JUN16	21-Jun-16	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10121-JUN16	28-Jun-16	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10010-JUL16	05-Jul-16	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10047-JUL16	12-Jul-16	< 0.00001	< 0.000002	0.026	0.0668	0.0105	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000041	0.00018	0.00023
31	CA10084-JUL16	19-Jul-16	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10117-JUL16	26-Jul-16	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10014-AUG16	02-Aug-16	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10048-AUG16	09-Aug-16	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10084-AUG16	16-Aug-16	< 0.00001	< 0.000002	0.030	0.0705	0.00842	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000034	0.00014	< 0.00002
36	CA10120-AUG16	23-Aug-16	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10155-AUG16	30-Aug-16	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10008-SEP16	06-Sep-16	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10044-SEP16	13-Sep-16	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10085-SEP16	20-Sep-16	< 0.00001	< 0.000002	0.025	0.0708	0.00935	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000045	0.00016	< 0.00002
41	CA10120SEP16	27-Sep-16	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10022-OCT16	04-Oct-16	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10043-OCT16	11-Oct-16	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10078-OCT-6	18-Oct-16	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10113-OCT16	25-Oct-16												
46			---	---	---	---	---	---	---	---	---	---	---	---
47			---	---	---	---	---	---	---	---	---	---	---	---
48			---	---	---	---	---	---	---	---	---	---	---	---
49			---	---	---	---	---	---	---	---	---	---	---	---
50														

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-118
Weight: 1 kg
Cell Type Wasterock

Analyte			Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr
Week/Event	LIMS	Sample Date	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
0	CA10088-DEC15	15-Sec-15	0.008	8.38	0.000734	0.206	0.00258	0.00093	---	< 0.0001	< 0.003	< 0.00001	0.0011	0.00012	0.0827
1	CA10115-DEC15	22-Dec-15	0.017	7.04	0.000730	0.194	0.00983	0.00059	---	0.0001	0.010	0.00002	0.0021	0.00021	0.0672
2	CA10150-DEC15	29-Dec-15	< 0.007	5.04	0.000633	0.169	0.00906	0.00032	---	0.0001	< 0.003	< 0.00001	0.0012	0.00005	0.0576
3	CA10011-JAN16	05-Jan-16	0.014	4.97	0.000534	0.171	0.00690	0.00016	---	< 0.0001	< 0.003	< 0.00001	0.0009	0.00011	0.0589
4	CA10048-JAN16	12-Jan-16	0.020	5.00	0.000502	0.172	0.00554	0.00042	---	0.0001	< 0.003	< 0.00001	0.0006	0.00007	0.0527
5	CA10089-JAN16	19-Jan-16	0.033	4.41	0.000481	0.169	0.00571	0.00037	---	0.0005	< 0.003	< 0.00001	0.0005	0.00012	0.0524
6	CA10130-JAN16	26-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10013-FEB16	02-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10055-FEB16	09-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10096-FEB16	16-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10140-FEB16	23-Feb-16	0.011	3.57	0.000570	0.158	0.00508	0.00009	0.07	0.0001	< 0.003	< 0.00001	0.0005	0.00007	0.0453
11	CA10009-MAR16	01-Mar-16	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10046-MAR16	08-Mar-16	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10083-MAR16	15-Mar-16	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10127-MAR16	22-Mar-16	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10163-MAR16	29-Mar-16	0.016	2.97	0.000489	0.146	0.00512	0.00006	0.03	< 0.0001	< 0.003	< 0.00001	0.0003	0.00004	0.0408
16	CA10009-APR16	05-Apr-16	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10046-APR16	11-Apr-16	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10088-APR16	19-Apr-16	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10119-APR16	26-Apr-16	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10008-MAY16	03-May-16	0.012	3.13	0.000497	0.152	0.00395	0.00012	< 0.01	0.0001	0.003	< 0.00001	0.0006	< 0.00004	0.03784
21	CA10046-MAY16	10-May-16	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10087-MAY16	17-May-16	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10122-MAY16	24-May-16	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10164-MAY16	31-May-16	---	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10022-JUN16	07-Jun-16	0.011	2.97	0.000565	0.169	0.00722	0.00018	0.03	0.0001	< 0.003	< 0.00001	0.0007	0.00012	0.0399
26	CA10053-JUN16	14-Jun-16	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10084-JUN16	21-Jun-16	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10121-JUN16	28-Jun-16	---	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10010-JUL16	05-Jul-16	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10047-JUL16	12-Jul-16	0.010	2.80	0.000474	0.150	0.00423	0.00048	0.02	0.0001	< 0.003	0.00003	0.0004	< 0.00004	0.0382
31	CA10084-JUL16	19-Jul-16	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10117-JUL16	26-Jul-16	---	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10014-AUG16	02-Aug-16	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10048-AUG16	09-Aug-16	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10084-AUG16	16-Aug-16	< 0.007	2.56	0.000425	0.135	0.00342	0.00006	< 0.01	< 0.0001	< 0.003	< 0.00001	0.0005	< 0.00004	0.0318
36	CA10120-AUG16	23-Aug-16	---	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10155-AUG16	30-Aug-16	---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10008-SEP16	06-Sep-16	---	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10044-SEP16	13-Sep-16	---	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10085-SEP16	20-Sep-16	0.008	2.66	0.0004	0.141	0.00378	0.00006	0.02	0.0001	< 0.003	< 0.00001	0.0004	0.00006	0.0345
41	CA10120SEP16	27-Sep-16	---	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10022-OCT16	04-Oct-16	---	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10043-OCT16	11-Oct-16	---	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10078-OCT-6	18-Oct-16	---	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10113-OCT16	25-Oct-16													
46			---	---	---	---	---	---	---	---	---	---	---	---	---
47			---	---	---	---	---	---	---	---	---	---	---	---	---
48			---	---	---	---	---	---	---	---	---	---	---	---	---
49			---	---	---	---	---	---	---	---	---	---	---	---	---
50															

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-118
Weight: 1 kg
Cell Type Wasterock

Analyte			Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10088-DEC15	15-Sec-15	0.00023	0.00037	0.000007	0.00001	0.0038	< 0.002
1	CA10115-DEC15	22-Dec-15	0.00026	0.00012	0.000032	0.000063	0.00446	< 0.002
2	CA10150-DEC15	29-Dec-15	0.00006	0.00017	< 0.000005	0.000037	0.00352	< 0.002
3	CA10011-JAN16	05-Jan-16	0.00008	0.00040	< 0.000005	0.000052	0.00360	< 0.002
4	CA10048-JAN16	12-Jan-16	0.00005	0.00079	< 0.000005	0.000049	0.00334	< 0.002
5	CA10089-JAN16	19-Jan-16	0.00004	0.00159	0.000006	0.000044	0.00260	< 0.002
6	CA10130-JAN16	26-Jan-16	---	---	---	---	---	---
7	CA10013-FEB16	02-Feb-16	---	---	---	---	---	---
8	CA10055-FEB16	09-Feb-16	---	---	---	---	---	---
9	CA10096-FEB16	16-Feb-16	---	---	---	---	---	---
10	CA10140-FEB16	23-Feb-16	0.00007	0.00056	0.000008	0.000248	0.00159	< 0.002
11	CA10009-MAR16	01-Mar-16	---	---	---	---	---	---
12	CA10046-MAR16	08-Mar-16	---	---	---	---	---	---
13	CA10083-MAR16	15-Mar-16	---	---	---	---	---	---
14	CA10127-MAR16	22-Mar-16	---	---	---	---	---	---
15	CA10163-MAR16	29-Mar-16	0.00003	0.00065	0.000006	0.000096	0.00135	< 0.002
16	CA10009-APR16	05-Apr-16	---	---	---	---	---	---
17	CA10046-APR16	11-Apr-16	---	---	---	---	---	---
18	CA10088-APR16	19-Apr-16	---	---	---	---	---	---
19	CA10119-APR16	26-Apr-16	---	---	---	---	---	---
20	CA10008-MAY16	03-May-16	< 0.00001	0.00056	0.000012	0.000143	0.00140	< 0.002
21	CA10046-MAY16	10-May-16	---	---	---	---	---	---
22	CA10087-MAY16	17-May-16	---	---	---	---	---	---
23	CA10122-MAY16	24-May-16	---	---	---	---	---	---
24	CA10164-MAY16	31-May-16	---	---	---	---	---	---
25	CA10022-JUN16	07-Jun-16	0.00008	0.00041	0.000008	0.000232	0.00099	< 0.002
26	CA10053-JUN16	14-Jun-16	---	---	---	---	---	---
27	CA10084-JUN16	21-Jun-16	---	---	---	---	---	---
28	CA10121-JUN16	28-Jun-16	---	---	---	---	---	---
29	CA10010-JUL16	05-Jul-16	---	---	---	---	---	---
30	CA10047-JUL16	12-Jul-16	0.00008	0.00049	0.000008	0.000236	0.00098	< 0.002
31	CA10084-JUL16	19-Jul-16	---	---	---	---	---	---
32	CA10117-JUL16	26-Jul-16	---	---	---	---	---	---
33	CA10014-AUG16	02-Aug-16	---	---	---	---	---	---
34	CA10048-AUG16	09-Aug-16	---	---	---	---	---	---
35	CA10084-AUG16	16-Aug-16	0.00030	0.00025	0.000007	0.000260	0.00098	< 0.002
36	CA10120-AUG16	23-Aug-16	---	---	---	---	---	---
37	CA10155-AUG16	30-Aug-16	---	---	---	---	---	---
38	CA10008-SEP16	06-Sep-16	---	---	---	---	---	---
39	CA10044-SEP16	13-Sep-16	---	---	---	---	---	---
40	CA10085-SEP16	20-Sep-16	< 0.00001	0.00035	0.000011	0.000274	0.00087	< 0.002
41	CA10120SEP16	27-Sep-16	---	---	---	---	---	---
42	CA10022-OCT16	04-Oct-16	---	---	---	---	---	---
43	CA10043-OCT16	11-Oct-16	---	---	---	---	---	---
44	CA10078-OCT-6	18-Oct-16	---	---	---	---	---	---
45	CA10113-OCT16	25-Oct-16						
46			---	---	---	---	---	---
47			---	---	---	---	---	---
48			---	---	---	---	---	---
49			---	---	---	---	---	---
50								

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Ryan Vanengen
Email: ryan.vanengen@agnicoeagle.com

Humidity Cell: EN-037469 (Combined)
Weight: 1 kg
Cell Type Tailings

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag	Al	As	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	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
0	CA10127-DEC16	14-Dec-16	1000	817	7.19	48	12	1330	480	129	120	< 0.06	< 0.00001	< 0.00005	0.017	0.248	0.0103	< 0.000007	0.011	0.000014	0.000026	0.0182
1	CA10128-DEC16	21-Dec-16	1000	798	6.97	66	9	730	330	92.7	35	< 0.06	< 0.00001	< 0.00005	0.023	0.251	0.0201	< 0.000007	0.009	< 0.000007	0.000006	0.00597
2	CA10129-DEC16	28-Dec-16	1000	844	7.35	19	8	408	170	51.6	18	< 0.06	< 0.00001	< 0.00005	0.018	0.153	0.0136	< 0.000007	0.009	< 0.000007	< 0.000003	0.00291
3	CA10023-JAN17	04-Jan-16	1000	838	7.16	10	7	468	210	65.1	12	< 0.06	< 0.00001	< 0.00005	0.020	0.167	0.0191	< 0.000007	0.026	< 0.000007	0.000005	0.00328
4	CA10055-JAN17	11-Jan-17	1000	824	7.12	4	8	493	210	59.8	8	< 0.06	< 0.00001	0.00006	0.016	0.173	0.0184	< 0.000007	0.045	< 0.000007	0.000015	0.00363
5	CA10089-JAN17	18-Jan-17	1000	682	7.52	33	16	1520	730	129	26	0.08	< 0.00001	0.00017	0.019	0.287	0.0538	< 0.000007	0.018	< 0.000007	0.000008	0.0214
6	CA10125-JAN17	25-Jan-17	1000	866	7.29	< 2	11	473	160	42.4	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10010-FEB17	01-Feb-17	1000	880	7.90	< 2	12	490	180	48.8	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10046-FEB17	08-Feb-17	1000	933	7.89	< 2	11	317	110	29.2	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10091-FEB17	15-Feb-17	1000	905	8.23	< 2	12	243	93	28.6	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10128-FEB17	22-Feb-17	1000	894	7.96	< 2	10	274	110	32.2	< 1	< 0.06	< 0.00001	< 0.00005	0.025	0.0823	0.0133	< 0.000007	0.010	< 0.000007	< 0.000003	0.00108
11	CA10011-MAR17	01-Mar-17	1000	894	8.08	< 2	11	267	98	34.8	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10048-MAR17	08-Mar-17	1000	888	7.72	< 2	12	246	93	30.5	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10084-MAR17	15-Mar-17	1000	876	8.02	< 2	11	228	81	27.7	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10123-MAR17	22-Mar-17	1000	895	7.77	< 2	10	253	94	32.8	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10158-MAR17	29-Mar-17	1000	889	8.05	< 2	10	227	70	29.9	< 1	< 0.06	< 0.00001	< 0.00005	0.019	0.0573	0.00827	< 0.000007	0.002	< 0.000007	< 0.000003	0.000642
16	CA10029-APR17	05-Apr-17	1000	893	7.78	< 2	9	216	82	26.4	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10067-APR17	12-Apr-17	1000	918	7.09	< 2	9	209	82	29.9	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10104-APR17	19-Apr-17	1000	913	7.67	< 2	9	208	73	25.4	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10141-APR17	26-Apr-17	1000	836	7.70	< 2	11	208	75	27.2	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10028-MAY17	03-May-17	1000	861	7.70	< 2	11	207	73	28.1	< 1	< 0.06	< 0.00001	< 0.00005	0.020	0.0539	0.00800	< 0.000007	0.003	< 0.000007	< 0.000003	0.000513
21	CA10066-MAY17	10-May-17	1000	880	7.89	< 2	11	212	75	25.5	---	---	---	---	---	0.0544	---	---	---	---	---	---
22	CA10102-MAY17	17-May-17	1000	947	7.62	< 2	10	219	82	28.0	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10138-MAY17	24-May-17	1000	966	7.19	< 2	10	228	81	27.0	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10174-MAY17	31-May-17	1000	984	7.48	< 2	8	204	77	27.8	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10027-JUN17	07-Jun-17	1000	1036	7.83	< 2	14	233	86	27.7	< 1	< 0.06	< 0.00001	< 0.00005	0.021	0.0517	0.0121	< 0.000007	0.003	< 0.000007	< 0.000003	0.000924
26	CA10068-JUN17	14-Jun-17	1000	967	7.81	< 2	13	216	84	26.4	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10099-JUN17	21-Jun-17	1000	1051	7.67	< 2	12	224	86	32.4	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10130-JUN17	28-Jun-17	1000	982	7.04	< 2	7	182	70	25.4	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10022-JUL17	05-Jul-17	1000	985	7.85	< 2	12	168	63	22.1	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10046-JUL17	12-Jul-17	1000	1018	7.40	< 2	8	196	75	25.3	< 1	< 0.06	< 0.00001	< 0.00005	0.011	0.0269	0.00903	< 0.000007	0.012	< 0.000007	0.000006	0.000743
31	CA10072-JUL17	19-Jul-17	1000	1051	7.72	< 2	12	192	72	24.7	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10095-JUL17	26-Jul-17	1000	1050	7.32	< 2	16	175	66	23.5	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10021-AUG17	02-Aug-17	1000	1051	7.41	< 2	11	192	70	25.5	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10046-AUG17	09-Aug-17	1000	1037	7.44	< 2	9	168	62	22.1	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10058-AUG17	16-Aug-17	1000	921	7.65	< 2	8	157	60	20.4	< 1	< 0.06	0.00002	< 0.00005	0.014	0.0258	0.00494	< 0.000007	0.002	< 0.000007	< 0.000003	0.000527
36	CA10099-AUG17	23-Aug-17	1000	966	7.34	< 2	7	153	58	21.5	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10119-AUG17	30-Aug-17	1000	938	7.28	< 2	6	166	63	21.0	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10014-SEP17	06-Sep-17	1000	952	7.45	< 2	9	172	65	23.6	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10037-SEP17	13-Sep-17	1000	1042	7.22	< 2	13	199	75	27.8	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10058-SEP17	20-Sep-17	1000	999	7.73	< 2	9	173	68	24.2	< 1	< 0.06	0.00002	< 0.00005	0.008	0.0159	0.00729	< 0.000007	< 0.002	< 0.000007	0.000004	0.000689
41	CA10079-SEP17	27-Sep-17	1000	962	7.34	< 2	10	171	66	24.0	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10014-OCT17	04-Oct-17	1000	989	7.18	< 2	5	176	65	25.7	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10043-OCT17	11-Oct-17	1000	958	7.45	< 2	7	191	70	25.6	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10065-OCT17	18-Oct-17	1000	976	7.75	< 2	10	190	73	27.9	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10243-OCT17	25-Oct-17	1000	956	7.42	< 2	9	163	63	19.3	< 1	< 0.06	0.00009	< 0.00005	0.014	0.0239	0.00811	< 0.000007	0.022	< 0.000007	0.000003	0.000524
46	CA10003-NOV17	01-Nov-17	1000	977	7.57	< 2	7	180	69	23.7	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10026-NOV17	08-Nov-17	1000	965	7.88	< 2	9	171	64	21.6	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10084-NOV17	15-Nov-17	1000	988	7.39	< 2	7	174	66	21.9	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10149-NOV17	22-Nov-17	1000	970	7.26	< 2	7	155	58	21.4	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10210-NOV17	29-Nov-17	1000	977	7.55	< 2	8	177	73	29.8	< 1	< 0.06	< 0.00001	< 0.00005	0.016	0.0254	0.00745	< 0.000007	< 0.002	< 0.000007	0.000005	0.000675
51	CA10015-DEC17	06-Dec-17	1000	980	7.71	< 2	11	166	58	22.0	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10124-DEC17	13-Dec-17	1000	975	7.45	< 2	8	170	61	21.7	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10180-DEC17	20-Dec-17	1000	665	7.95	< 2	9	264	110	42.5	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10205-DEC17	27-Dec-17	1000	765	8.37	< 2	10	81	26	13.3	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10015-JAN18	03-Jan-18	1000	869	7.60	< 2	17	229	87	34.7	< 1	< 0.06	< 0.00001	< 0.00005	0.025	0.0415	0.0116	< 0.000007	< 0.002	< 0.000007	0.000004	0.000461
56	CA10072-JAN18	10-Jan-18	1000	840	7.99	< 2	10	193	73	32.0	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10135-JAN18	17-Jan-18	1000	876	7.41	< 2	9	212	80	33.7	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10234-JAN18	24-Jan-18	1000	900	7.25	< 2	8	198	71	28.5	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10322-JAN18	31-Jan-18	1000	863	7.28	< 2	9	230	88	36.2	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10032-FEB18	07-Feb-18	1000	896	7.43	< 2	10	210	78	34.0	< 1	< 0.06	< 0.00001	< 0.00005	0.020	0.0325	0.00884	< 0.000007	0.003	< 0.000007	0.000004	0.000587
61	CA10107-FEB18	14-Feb-18	1000	914	7.31	< 2	8	199	76	35.3	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10196-FEB18	21-Feb-18	1000	952	6.92	< 2	8	201	76	37.3	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10255-FEB18	28-Feb-18	1000	956	7.33	< 2	8	207	72	36.9	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10049-MAR18	07-Mar-18	1000	973	7.27	< 2	9	196	71	24.4	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10141-MAR18	14-Mar-18	1000	966	7.26	< 2	7	182	69	28.7	< 1	< 0.06	< 0.00001	< 0.00005	0.012	0.0217	0.00666	< 0.000007	0.003	< 0.000007	0.000003	0.000492
66	CA10224-MAR18	21-Mar-18	1000	947	7.17	< 2	6	198	72	26.1	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10324-MAR18	28-Mar-18	1000	973	7.19	< 2	8	186	65	26.2	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10021-APR18	04-Apr-18	1000	1030	7.64	< 2	12	245	88	30.7	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10089-APR18	11-Apr-18	1000	927	7.49	< 2	10	183	65	26.0	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10288-APR18	18-Apr-18	1000	932	7.71	< 2	9	171	61	26.5	< 1	< 0.06	< 0.00001	< 0.00005	0.023	0.0256	0.00537	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000359
71	CA10354-APR18	25-Apr-18	1000	906	7.32	< 2	8	172	61	23.5	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10015-MAY18	02-May-18	1000	946	7.35	< 2	8	206	72	28.4	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10098-MAY18	09-May-18	1000	846	7.50	< 2	11	201	68	26.8	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10193-MAY18	16-May-18	1000	1029	7.21	< 2	8	236	90	36.4	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10290-MAY18	23-May-18	1000	869	7.49	< 2	9	205	73	28.6	< 1	< 0.06	< 0.00001	< 0.00005	0.021	0.0274	0.00663	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000337
76	CA10338-MAY18	30-May-18	1000	927	7.46	< 2	9	219	85	32.4	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10018-JUN18	06-Jun-18	1000	937	7.59	< 2	9	228	90	32.6	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10088-JUN18	13-Jun-18	1000	1001	7.18	< 2	9	247	98	30.7	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Ryan Vanengen
Email: ryan.vanengen@agnicoeagle.com

Humidity Cell: EN-037469 (Combined)
Weight: 1 kg
Cell Type Tailings

Analyte			Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn	As3+	As5+
Week/Event	LIMS	Sample Date	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	---	---
0	CA10127-DEC16	14-Dec-16	0.00007	0.00196	< 0.007	32.4	0.005	8.18	0.101	0.00503	133	0.0439	0.054	0.00016	0.0047	0.00103	0.146	0.00062	0.00007	< 0.000005	0.000139	0.00022	< 0.002	---	---
1	CA10128-DEC16	21-Dec-16	0.00013	0.00164	0.009	16.4	0.0029	3.21	0.0708	0.00182	44.5	0.0149	0.005	0.00004	0.0030	0.00052	0.134	0.00048	0.00006	0.000007	0.000465	0.00017	< 0.002	---	---
2	CA10129-DEC16	28-Dec-16	0.00007	0.00091	0.009	10.7	0.0018	1.71	0.0616	0.00107	25.5	0.0067	< 0.003	0.00004	0.0016	0.00029	0.0772	0.00028	< 0.00005	0.000009	0.000093	0.00011	< 0.002	---	---
3	CA10023-JAN17	04-Jan-16	0.00005	0.00095	0.009	13.3	0.0021	2.01	0.0737	0.00120	29.0	0.0075	0.005	0.00009	0.0023	0.00026	0.103	0.00021	0.00006	0.000009	0.000066	0.00013	< 0.002	---	---
4	CA10055-JAN17	11-Jan-17	0.00007	0.00216	< 0.007	15.9	0.0025	3.05	0.0849	0.00553	34.7	0.0076	< 0.003	0.00004	0.0020	0.00042	0.0830	0.00026	< 0.00005	< 0.000005	0.000073	0.00013	< 0.002	---	---
5	CA10089-JAN17	18-Jan-17	< 0.00003	0.0343	0.008	48.5	0.0054	16.2	0.190	0.00695	147	0.0271	0.008	0.00002	0.0049	0.00144	0.187	0.00038	< 0.00005	0.000016	0.000264	0.00020	< 0.002	---	---
6	CA10125-JAN17	25-Jan-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10010-FEB17	01-Feb-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10046-FEB17	08-Feb-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10091-FEB17	15-Feb-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10128-FEB17	22-Feb-17	0.00008	0.00094	0.013	9.21	0.0021	1.43	0.0729	0.00061	6.99	0.0035	< 0.003	0.00008	0.0011	0.00014	0.0517	0.00015	0.00005	< 0.000005	0.000089	0.00011	< 0.002	---	---
11	CA10011-MAR17	01-Mar-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10048-MAR17	08-Mar-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10084-MAR17	15-Mar-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10123-MAR17	22-Mar-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10158-MAR17	29-Mar-17	0.00009	0.00041	0.012	7.69	0.0018	1.18	0.0809	0.00025	3.41	0.0024	< 0.003	0.00010	0.0008	0.00020	0.0466	0.00010	0.00010	< 0.000005	0.000059	0.00008	< 0.002	---	---
16	CA10029-APR17	05-Apr-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10067-APR17	12-Apr-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10104-APR17	19-Apr-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10141-APR17	26-Apr-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10028-MAY17	03-May-17	0.00007	0.00051	0.010	6.38	0.0015	0.786	0.0799	0.00033	1.37	0.0021	< 0.003	0.00009	0.0007	0.00009	0.0364	0.00012	0.00006	0.000005	0.000027	0.00006	< 0.002	0.0025	0.0538
21	CA10066-MAY17	10-May-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.0005	0.0490
22	CA10102-MAY17	17-May-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10138-MAY17	24-May-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10174-MAY17	31-May-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10027-JUN17	07-Jun-17	0.00011	0.00042	0.013	9.12	0.0022	1.63	0.0917	0.00027	2.51	0.0028	< 0.003	0.00012	0.0008	0.00014	0.04091	0.00034	0.00009	0.000011	0.000068	0.00007	< 0.002	---	---
26	CA10068-JUN17	14-Jun-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10099-JUN17	21-Jun-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10130-JUN17	28-Jun-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10022-JUL17	05-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10046-JUL17	12-Jul-17	0.00007	0.00047	0.009	7.93	0.0020	0.976	0.0946	0.00021	1.14	0.0031	< 0.003	0.00011	0.0007	0.00005	0.0374	0.00041	0.00010	< 0.000005	0.000048	0.00004	< 0.002	---	---
31	CA10072-JUL17	19-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10095-JUL17	26-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10021-AUG17	02-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10046-AUG17	09-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10058-AUG17	16-Aug-17	0.00007	0.00034	0.009	5.49	0.0015	0.995	0.0753	0.00020	0.76	0.0016	< 0.003	0.00004	0.0005	0.00010	0.0298	0.00017	0.00007	0.000016	0.000045	0.00004	< 0.002	--	---
36	CA10099-AUG17	23-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10119-AUG17	30-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10014-SEP17	06-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10037-SEP17	13-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10058-SEP17	20-Sep-17	0.00016	0.00420	0.012	6.80	0.0024	1.32	0.125	0.00012	0.61	0.0041	< 0.003	0.00009	0.0005	0.00015	0.0290	0.00067	< 0.00005	0.000011	0.000054	0.00003	< 0.002	---	---
41	CA10079-SEP17	27-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10014-OCT17	04-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10043-OCT17	11-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10065-OCT17	18-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10243-OCT17	25-Oct-17	0.00010	0.00037	< 0.007	4.69	0.0016	0.795	0.126	0.00013	0.25	0.0022	< 0.003	0.00005	0.0005	0.00008	0.03121	0.00007	0.00006	< 0.000005	0.000041	0.00003	< 0.002	---	---
46	CA10003-NOV17	01-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10026-NOV17	08-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10084-NOV17	15-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10149-NOV17	22-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10210-NOV17	29-Nov-17	0.00006	0.00039	0.009	6.81	0.0023	1.22	0.149	0.00020	0.34	0.0033	< 0.003	0.00007	0.0005	0.00009	0.0372	0.00005	0.00014	< 0.000005	0.000156	0.00008	< 0.002	---	---
51	CA10015-DEC17	06-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10124-DEC17	13-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10180-DEC17	20-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10205-DEC17	27-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10015-JAN18	03-Jan-18	0.00006	0.00041	0.007	6.15	0.0019	0.757	0.127	0.00009	0.21	0.0021	< 0.003	0.00005	0.0005	< 0.00004	0.0498	0.00008	0.00013	< 0.000005	0.000061	0.00006	< 0.002	---	---
56	CA10072-JAN18	10-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10135-JAN18	17-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10234-JAN18	24-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10322-JAN18	31-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10032-FEB18	07-Feb-18	0.00006	0.00109	0.009	6.57	0.0018	0.923	0.129	0.00013	0.15	0.0022	< 0.003	0.00010	0.0004	0.00008	0.0482	0.00009	0.00008	< 0.000005	0.000029	0.00005	< 0.002	---	---
61	CA10107-FEB18	14-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10196-FEB18	21-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10255-FEB18	28-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10049-MAR18	07-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10141-MAR18	14-Mar-18	0.00005	0.00045	< 0.007	6.64	0.0017	0.910	0.133	0.00009	0.17	0.0025	< 0.003	0.00002	0.0004	0.00009	0.0371	0.00008	0.00006	< 0.000005	0.000021	0.00003	< 0.002	---	---
66	CA10224-MAR18	21-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10324-MAR18	28-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10021-APR18	04-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10089-APR18	11-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10288-APR18	18-Apr-18	0.00008	0.00049	0.009	6.10	0.0012	0.891	0.120	0.00044	0.16	0.0018	< 0.003	0.00005	0.0003	0.00006	0.0383	0.00010	0.00006	< 0.000005	0.000023	0.00005	< 0.002	---	---
71	CA10354-APR18	25-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10015-MAY18	02-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10098-MAY18	09-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10193-MAY18	16-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10290-MAY18	23-May-18	0.00011	0.00048	0.010	5.34	0.0016	0.615	0.132	0.00011	0.07	0.0019	< 0.003	0.00007	0.0004	0.00007	0.0485	0.00010	0.00008	0.000007	0.000021	0.00004	< 0.002	---	---
76	CA10338-MAY18	30-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10018-JUN18	06-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10088-JUN18	13-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Ryan Vanengen
Email: ryan.vanengen@agnicoeagle.com

Humidity Cell: EN-037469 (Combined)
Weight: 1 kg
Cell Type Tailings

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag	Al	As	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	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
79	CA10163-JUN18	20-Jun-18	1000	902	7.79	< 2	9	187	70	27.1	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10258-JUN18	27-Jun-18	1000	994	7.30	< 2	7	243	95	40.8	< 1	0.09	< 0.00001	< 0.00005	0.013	0.0183	0.00701	< 0.000007	0.006	< 0.000007	0.000016	0.000862
81	CA10015-JUL18	04-Jul-18	1000	1008	7.15	< 2	8	254	90	33.9	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10065-JUL18	11-Jul-18	1000	876	7.50	< 2	10	227	71	28.4	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10096-JUL18	18-Jul-18	1000	883	7.59	< 2	8	216	81	31.2	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10198-JUL18	25-Jul-18	1000	900	7.18	< 2	6	190	70	27.0	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10000-AUG18	01-Aug-18	1000	979	7.29	< 2	8	214	81	32.5	< 1	< 0.06	< 0.00001	< 0.00005	0.014	0.0158	0.00606	< 0.000007	0.003	< 0.000007	< 0.000003	0.000639
86	CA10050-AUG18	08-Aug-18	1000	869	7.37	< 2	8	200	78	27.0	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10137-AUG18	15-Aug-18	1000	969	7.30	< 2	7	213	82	30.0	---	---	---	---	---	---	---	---	---	---	---	---
88	CA10225-AUG18	22-Aug-18	1000	905	6.46	< 2	7	197	75	31.8	---	---	---	---	---	---	---	---	---	---	---	---
89	CA10273-AUG18	29-Aug-18	1000	1048	7.05	< 2	8	324	120	56.8	---	---	---	---	---	---	---	---	---	---	---	---
90	CA10017-SEP18	05-Sep-18	1000	937	7.49	< 2	9	204	79	30.0	< 1	< 0.06	0.00006	< 0.00005	0.015	0.0164	0.00611	< 0.000007	< 0.002	< 0.000007	0.000004	0.000534
91	CA10100-SEP18	12-Sep-18	1000	930	7.06	< 2	8	219	88	33.1	---	---	---	---	---	---	---	---	---	---	---	---
92	CA10168-SEP18	19-Sep-18	1000	1042	7.12	< 2	9	265	100	40.0	---	---	---	---	---	---	---	---	---	---	---	---
93	CA10261-SEP18	26-Sep-18	1000	926	7.42	< 2	8	209	75	30.3	---	---	---	---	---	---	---	---	---	---	---	---
94	CA10016-OCT18	03-Oct-18	1000	950	7.07	< 2	8	225	84	31.3	---	---	---	---	---	---	---	---	---	---	---	---
95	CA10072-OCT18	10-Oct-18	1000	939	7.03	< 2	8	232	86	34.9	< 1	< 0.06	< 0.00001	< 0.00005	0.013	0.0149	0.00686	< 0.000007	0.003	< 0.000007	0.000007	0.000415
96	CA10121-OCT18	17-Oct-18	1000								---	---	---	---	---	---	---	---	---	---	---	---
97	CA10195-OCT18	24-Oct-18	1000								---	---	---	---	---	---	---	---	---	---	---	---
98		31-Oct-18	1000								---	---	---	---	---	---	---	---	---	---	---	---
99		07-Nov-18	1000								---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Ryan Vanengen
Email: ryan.vanengen@agnicoeagle.com

Humidity Cell: EN-037469 (Combined)
Weight: 1 kg
Cell Type Tailings

Analyte			Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn	As3+	As5+
Week/Event	LIMS	Sample Date	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	---	---
79	CA10163-JUN18	20-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10258-JUN18	27-Jun-18	< 0.00003	< 0.00002	< 0.007	7.79	0.0026	1.27	0.261	0.00070	< 0.01	0.0038	< 0.003	0.00003	0.0006	0.00013	0.0630	0.00009	< 0.00005	0.000064	0.000069	0.00003	< 0.002	---	---
81	CA10015-JUL18	04-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10065-JUL18	11-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10096-JUL18	18-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10198-JUL18	25-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10000-AUG18	01-Aug-18	0.00004	0.00034	< 0.007	6.05	0.0019	0.927	0.168	0.00011	0.09	0.0025	< 0.003	0.00004	0.0004	0.00011	0.0512	0.00006	< 0.00005	0.000007	0.000049	0.00003	< 0.002	---	---
86	CA10050-AUG18	08-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10137-AUG18	15-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
88	CA10225-AUG18	22-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
89	CA10273-AUG18	29-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90	CA10017-SEP18	05-Sep-18	< 0.00003	0.00035	< 0.007	6.61	0.0020	0.835	0.175	0.00009	0.09	0.0024	< 0.003	< 0.00001	0.0004	0.00008	0.05021	0.00006	< 0.00005	0.000009	0.000026	0.00003	< 0.002	---	---
91	CA10100-SEP18	12-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
92	CA10168-SEP18	19-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
93	CA10261-SEP18	26-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
94	CA10016-OCT18	03-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95	CA10072-OCT18	10-Oct-18	< 0.00003	0.00022	< 0.007	6.22	0.0024	0.906	0.191	0.00090	0.21	0.0036	< 0.003	0.00006	0.0004	0.00017	0.06824	0.00006	< 0.00005	< 0.000005	0.000022	0.00005	< 0.002	---	---
96	CA10121-OCT18	17-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
97	CA10195-OCT18	24-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
98		31-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
99		07-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results

Customer: Agnico Eagle (Amaruq)
Project Manager: Blandine Arseneault, Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: RE-13872/RE-13874
Weight: 1 kg
Cell Type Tailings

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Chloride	Fluoride	Bromide	Nitrite (as N)
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10085-APR15	08-Apr-15	1000	830	8.08	< 2	40	1410	620	29	< 0.06	< 0.3	< 0.03
1	CA10113-APR15	15-Apr-15	1000	1015	7.92	44	25	1250	570	86	< 0.06	< 0.3	< 0.03
2	CA10134-APR15	22-Apr-15	1000	1003	7.76	112	22	1350	550	120	< 0.06	< 0.3	< 0.03
3	CA10163-APR15	29-Apr-15	1000	1006	6.98	232	11	1030	370	210	< 0.06	< 0.3	< 0.03
4	CA10038-MAY15	06-May-15	1000	998	6.98	201	10	663	190	160	< 0.06	< 0.3	< 0.03
5	CA10074-MAY15	13-May-15	1000	1005	7.18	296	8	681	130	210	< 0.06	< 0.3	< 0.03
6	CA10111-MAY15	20-May-15	1000	1002	7.08	331	7	692	150	---	---	---	---
7	CA10145-MAY15	27-May-15	1000	1004	7.18	301	7	631	150	---	---	---	---
8	CA10018-JUN15	03-Jun-15	1000	969	7.17	256	7	629	170	---	---	---	---
9	CA10066-JUN15	10-Jun-15	1000	950	7.21	186	7	456	140	---	---	---	---
10	CA10100-JUN15	17-Jun-15	1000	971	7.32	121	11	466	140	< 0.2	< 0.06	< 0.3	< 0.03
11	CA10133-JUN15	24-Jun-15	1000	882	7.32	25	9	298	100	---	---	---	---
12	CA10004-JUL15	02-Jul-15	1000	996	7.56	10	16	427	170	---	---	---	---
13	CA10039-JUL15	08-Jul-15	1000	1016	7.44	< 2	10	456	200	---	---	---	---
14	CA10070-JUL15	15-Jul-15	1000	1020	7.32	< 2	10	282	100	---	---	---	---
15	CA10112-JUL15	22-Jul-15	1000	1018	7.32	< 2	9	320	130	< 1	< 0.06	< 0.3	< 0.03
16	CA10144-JUL15	29-Jul-15	1000	1013	7.37	< 2	10	304	120	---	---	---	---
17	CA10022-AUG15	05-Aug-15	1000	1038	7.27	< 2	11	219	85	---	---	---	---
18	CA10054-AUG15	12-Aug-15	1000	850	7.50	< 2	10	240	96	---	---	---	---
19	CA10085-AUG15	19-Aug-15	1000	1000	7.58	< 2	13	321	130	---	---	---	---
20	CA10144-AUG15	26-Aug-15	1000	992	7.41	< 2	8	232	80	< 1	< 0.06	< 0.3	< 0.03
21	CA10024-SEP15	02-Sep-15	1000	944	7.57	< 2	12	184	68	---	---	---	---
22	CA10069-SEP15	09-Sep-15	1000	996	7.11	< 2	8	204	78	---	---	---	---
23	CA10099-SEP15	16-Sep-15	1000	899	7.27	< 2	9	172	68	---	---	---	---
24	CA10134-SEP15	23-Sep-15	1000	930	8.19	< 2	14	216	88	< 1	< 0.06	< 0.3	< 0.03
25	CA10165-SEP15	30-Sep-15	1000	951	7.55	< 2	9	207	81	---	---	---	---
26	CA10022-OCT15	07-Oct-15	1000	920	7.7	< 2	9	218	85	---	---	---	---
27	CA10060-OCT15	14-Oct-15	1000	983	7.56	< 2	8	227	88	---	---	---	---
28	CA10101-OCT15	21-Oct-15	1000	853	7.15	< 2	9	222	85	< 1	< 0.06	< 0.3	< 0.03
29	CA10140-OCT15	28-Oct-15	1000	1006	7.26	< 2	10	335	130	---	---	---	---
30	CA10020-NOV15	04-Nov-15	1000	993	7.68	< 2	9	209	80	---	---	---	---
31	CA10050-NOV15	11-Nov-15	1000	985	7.69	< 2	9	179	76	---	---	---	---
32	CA10081-NOV15	18-Nov-15	1000	879	7.86	< 2	11	200	75	< 1	< 0.06	< 0.3	< 0.03
33	CA10112-NOV15	25-Nov-15	1000	882	7.54	<2	13	201	78	---	---	---	---
34	CA10020-DEC15	02-Dec-15	1000	843	7.16	< 2	11	192	78	---	---	---	---
35	CA10055-DEC15	09-Dec-15	1000	844	7.31	< 2	10	198	76	---	---	---	---
36	CA10092-DEC15	16-Dec-15	1000	893	7.27	< 2	10	230	72	< 1	< 0.06	< 0.3	< 0.03
37	CA10128-DEC15	23-Dec-15	1000	825	7.58	< 2	11	208	81	---	---	---	---
38	CA10161-DEC15	30-Dec-15	1000	898	7.22	< 2	9	240	96	---	---	---	---
39	CA10023-JAN16	06-Jan-16	1000	862	7.27	< 2	10	210	82	---	---	---	---
40	CA10060-JAN16	13-Jan-16	1000	881	7.17	< 2	10	274	97	< 1	< 0.06	< 0.3	< 0.03
41	CA10101-JAN16	20-Jan-16	1000	837	7.48	< 2	11	259	98	---	---	---	---
42	CA10144-JAN16	27-Jan-16	1000	898	7.60	< 2	11	219	91	---	---	---	---
43	CA10026-FEB16	03-Feb-16	1000	908	7.55	< 2	10	211	83	---	---	---	---
44	CA10068-FEB16	10-Feb-16	1000	840	7.37	< 2	10	246	95	< 1	< 0.06	< 0.3	< 0.03
Terminate										---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Blandine Arseneault, Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: RE-13872/RE-13874
Weight: 1 kg
Cell Type Tailings

Analyte			Nitrate (as N)	NH3+NH4	Cyanide (total)	Cyanide (WAD)	Cyanate	Thiocyanate	Chromium VI	Mercury	Silver	Aluminum	Arsenic	Barium
Week/Event	LIMS	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10085-APR15	08-Apr-15	0.42	4.1	0.62	< 0.01	10	27	< 0.2	< 0.00001	0.000004	0.0243	0.0427	0.0068
1	CA10113-APR15	15-Apr-15	0.24	2.4	0.12	< 0.01	5.9	17	< 0.2	< 0.00001	0.000229	0.0144	0.0367	0.00731
2	CA10134-APR15	22-Apr-15	0.20	1.8	0.10	< 0.01	4.4	16	< 0.2	< 0.00001	0.00151	0.0145	0.0374	0.00884
3	CA10163-APR15	29-Apr-15	0.10	0.7	0.06	< 0.01	1.4	8.6	< 0.2	< 0.00001	0.00156	0.0077	0.0278	0.00947
4	CA10038-MAY15	06-May-15	< 0.06	0.3	0.03	< 0.01	< 1	3.5	< 0.2	< 0.00001	0.000721	0.0067	0.0302	0.00824
5	CA10074-MAY15	13-May-15	< 0.06	0.2	0.02	< 0.01	< 1	2.3	< 0.2	< 0.00001	0.000720	0.0060	0.0263	0.00871
6	CA10111-MAY15	20-May-15	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10145-MAY15	27-May-15	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10018-JUN15	03-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10066-JUN15	10-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10100-JUN15	17-Jun-15	< 0.06	0.2	---	---	---	---	< 0.2	< 0.00001	0.000186	0.005	0.0307	0.00707
11	CA10133-JUN15	24-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10004-JUL15	02-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10039-JUL15	08-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10070-JUL15	15-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10112-JUL15	22-Jul-15	< 0.06	0.2	---	---	---	---	< 0.2	< 0.00001	0.000018	0.006	0.0480	0.00664
16	CA10144-JUL15	29-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10022-AUG15	05-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10054-AUG15	12-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10085-AUG15	19-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10144-AUG15	26-Aug-15	< 0.06	< 0.1	---	---	---	---	< 0.2	< 0.00001	< 0.000002	0.006	0.0444	0.00424
21	CA10024-SEP15	02-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10069-SEP15	09-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10099-SEP15	16-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10134-SEP15	23-Sep-15	< 0.06	< 0.1	---	---	---	---	< 0.2	< 0.00001	< 0.000002	0.011	0.0872	0.00281
25	CA10165-SEP15	30-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---
26	CA10022-OCT15	07-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-OCT15	14-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10101-OCT15	21-Oct-15	< 0.06	< 0.1	---	---	---	---	< 0.2	< 0.00001	0.000005	0.008	0.0358	0.00286
29	CA10140-OCT15	28-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10020-NOV15	04-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---
31	CA10050-NOV15	11-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10081-NOV15	18-Nov-15	< 0.06	< 0.1	---	---	---	---	< 0.2	< 0.00001	0.000012	0.014	0.0636	0.00342
33	CA10112-NOV15	25-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10020-DEC15	02-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10055-DEC15	09-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---
36	CA10092-DEC15	16-Dec-15	< 0.06	< 0.1	---	---	---	---	< 0.2	< 0.00001	< 0.000002	0.010	0.0499	0.00404
37	CA10128-DEC15	23-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10161-DEC15	30-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10023-JAN16	06-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10060-JAN16	13-Jan-16	< 0.06	< 0.1	---	---	---	---	< 0.2	< 0.00001	< 0.000002	0.008	0.0754	0.00380
41	CA10101-JAN16	20-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10144-JAN16	27-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10026-FEB16	03-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10068-FEB16	10-Feb-16	< 0.06	0.2	---	---	---	---	< 0.2	< 0.00001	< 0.000002	0.009	0.0611	0.00359
Terminate			---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Blandine Arseneault, Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: RE-13872/RE-13874
Weight: 1 kg
Cell Type Tailings

Analyte			Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese
Week/Event	LIMS	Sample Date	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
0	CA10085-APR15	08-Apr-15	< 0.000007	0.0088	0.000008	64.1	0.000014	0.014	0.00004	0.00512	0.205	15.4	0.00129	1.86	0.0126
1	CA10113-APR15	15-Apr-15	< 0.000007	0.0082	0.000016	82.0	0.000003	0.00873	< 0.00003	0.0175	0.052	13.9	0.00182	2.71	0.0252
2	CA10134-APR15	22-Apr-15	< 0.000007	0.0130	0.000806	100	0.000017	0.0105	< 0.00003	0.0653	0.017	14.1	0.00229	3.30	0.0298
3	CA10163-APR15	29-Apr-15	< 0.000007	0.0043	< 0.000007	94.8	0.000003	0.00436	< 0.00003	0.262	< 0.007	11.3	0.00191	3.02	0.0322
4	CA10038-MAY15	06-May-15	< 0.000007	0.0040	< 0.000007	73.9	< 0.000003	0.00255	< 0.00003	0.0945	0.013	8.39	0.00219	2.00	0.0334
5	CA10074-MAY15	13-May-15	< 0.000007	0.0049	0.000012	85.2	0.000011	0.00249	< 0.00003	0.136	0.009	8.45	0.00157	1.70	0.0398
6	CA10111-MAY15	20-May-15	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10145-MAY15	27-May-15	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10018-JUN15	03-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10066-JUN15	10-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10100-JUN15	17-Jun-15	< 0.000007	0.0071	0.000008	65.9	0.000005	0.00162	< 0.00003	0.0184	< 0.007	7.64	0.00191	2.18	0.102
11	CA10133-JUN15	24-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10004-JUL15	02-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10039-JUL15	08-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10070-JUL15	15-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10112-JUL15	22-Jul-15	< 0.000007	0.0031	< 0.000007	46.0	0.000011	0.00112	< 0.00003	0.00035	< 0.007	6.56	0.00227	2.00	0.0693
16	CA10144-JUL15	29-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10022-AUG15	05-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10054-AUG15	12-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10085-AUG15	19-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10144-AUG15	26-Aug-15	< 0.000007	0.0021	< 0.000007	29.4	0.000013	0.000665	< 0.00003	0.00046	0.070	4.65	0.00154	1.59	0.0516
21	CA10024-SEP15	02-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10069-SEP15	09-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10099-SEP15	16-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10134-SEP15	23-Sep-15	< 0.000007	0.0026	< 0.000007	34.1	< 0.000003	0.000401	< 0.00003	0.00062	0.007	3.68	0.00141	0.928	0.0260
25	CA10165-SEP15	30-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---	---
26	CA10022-OCT15	07-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-OCT15	14-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10101-OCT15	21-Oct-15	< 0.000007	0.0017	0.000015	36.2	< 0.000003	0.000388	< 0.00003	0.00059	0.008	3.20	0.00122	0.892	0.0387
29	CA10140-OCT15	28-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10020-NOV15	04-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---	---
31	CA10050-NOV15	11-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10081-NOV15	18-Nov-15	0.000011	0.0017	0.000016	31.2	0.000011	0.000389	0.00005	0.00146	0.012	3.66	0.00143	0.895	0.0237
33	CA10112-NOV15	25-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10020-DEC15	02-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10055-DEC15	09-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---	---
36	CA10092-DEC15	16-Dec-15	< 0.000007	0.0029	< 0.000007	33.6	< 0.000003	0.000462	0.00007	0.00057	< 0.007	4.29	0.00149	1.10	0.0354
37	CA10128-DEC15	23-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10161-DEC15	30-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10023-JAN16	06-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10060-JAN16	13-Jan-16	< 0.000007	0.0035	< 0.000007	39.1	< 0.000003	0.000397	< 0.00003	0.00028	< 0.007	4.94	0.00163	0.958	0.0287
41	CA10101-JAN16	20-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10144-JAN16	27-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10026-FEB16	03-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10068-FEB16	10-Feb-16	< 0.000007	0.002	< 0.000007	37.8	< 0.000003	0.000501	< 0.00003	0.00065	< 0.007	3.88	0.00150	0.817	0.0300
Terminate			---	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Blandine Arseneault, Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: RE-13872/RE-13874
Weight: 1 kg
Cell Type Tailings

Analyte			Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	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
0	CA10085-APR15	08-Apr-15	0.0319	233	0.0062	< 0.003	0.00004	0.0016	< 0.001	0.41	0.00791	< 0.00005	< 0.000005	0.000075	0.00009	< 0.001
1	CA10113-APR15	15-Apr-15	0.0167	182	0.0064	< 0.003	< 0.00001	0.0010	< 0.001	0.31	0.00228	0.00008	< 0.000005	0.000117	0.00007	< 0.001
2	CA10134-APR15	22-Apr-15	0.0137	174	0.0101	< 0.003	< 0.00001	0.0011	< 0.001	0.35	0.00137	< 0.00005	0.000012	0.000233	0.00004	< 0.001
3	CA10163-APR15	29-Apr-15	0.00388	115	0.0133	< 0.003	0.00002	0.0009	< 0.001	0.23	0.00146	< 0.00005	< 0.000005	0.000118	0.00005	< 0.001
4	CA10038-MAY15	06-May-15	0.00187	50.1	0.0129	< 0.003	0.00003	0.0010	< 0.001	0.29	0.00125	< 0.00005	0.000013	0.000071	0.00004	< 0.001
5	CA10074-MAY15	13-May-15	0.00274	42.6	0.0166	< 0.003	< 0.00001	0.0009	< 0.001	0.21	0.00118	< 0.00005	< 0.000005	0.000039	0.00004	< 0.001
6	CA10111-MAY15	20-May-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10145-MAY15	27-May-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10018-JUN15	03-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10066-JUN15	10-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10100-JUN15	17-Jun-15	0.00081	21.1	0.0286	< 0.003	< 0.00001	0.0007	< 0.001	0.28	0.00064	< 0.00005	< 0.000005	0.00004	0.00001	< 0.002
11	CA10133-JUN15	24-Jun-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10004-JUL15	02-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10039-JUL15	08-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10070-JUL15	15-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10112-JUL15	22-Jul-15	0.00070	8.37	0.0194	< 0.003	0.00008	0.0008	0.00028	0.29	0.00064	< 0.00005	0.000021	0.000019	0.00004	< 0.002
16	CA10144-JUL15	29-Jul-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10022-AUG15	05-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10054-AUG15	12-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10085-AUG15	19-Aug-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10144-AUG15	26-Aug-15	0.00069	3.72	0.0099	< 0.003	0.00002	0.0006	0.00037	0.21	0.00052	< 0.00005	< 0.000005	0.000017	0.00007	< 0.002
21	CA10024-SEP15	02-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10069-SEP15	09-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10099-SEP15	16-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10134-SEP15	23-Sep-15	0.00082	1.68	0.0044	< 0.003	< 0.00001	0.0008	0.00025	0.23	0.00095	< 0.00005	< 0.000005	0.000029	0.00006	< 0.002
25	CA10165-SEP15	30-Sep-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26	CA10022-OCT15	07-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-OCT15	14-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10101-OCT15	21-Oct-15	0.00123	1.08	0.0044	0.053	0.00002	0.0004	0.00013	0.16	0.00043	< 0.00005	0.000034	0.000027	0.00004	< 0.002
29	CA10140-OCT15	28-Oct-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10020-NOV15	04-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31	CA10050-NOV15	11-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10081-NOV15	18-Nov-15	0.00107	0.79	0.0029	0.007	0.00012	0.0007	0.00026	0.23	0.00069	0.00008	0.000017	0.000025	0.00006	< 0.002
33	CA10112-NOV15	25-Nov-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10020-DEC15	02-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10055-DEC15	09-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
36	CA10092-DEC15	16-Dec-15	0.00122	0.86	0.0033	< 0.003	< 0.00001	0.0005	0.00021	0.21	0.00039	0.00006	< 0.000005	0.000017	0.00004	< 0.002
37	CA10128-DEC15	23-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10161-DEC15	30-Dec-15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10023-JAN16	06-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10060-JAN16	13-Jan-16	0.00196	0.81	0.0030	< 0.003	< 0.00001	0.0005	0.00024	0.29	0.00040	< 0.00005	0.000010	0.000030	0.00002	< 0.002
41	CA10101-JAN16	20-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10144-JAN16	27-Jan-16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10026-FEB16	03-Feb-16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10068-FEB16	10-Feb-16	0.00111	0.31	0.0025	< 0.003	0.00001	0.0005	0.00018	0.26	0.00040	< 0.00005	< 0.000005	0.000013	0.00003	< 0.002
Terminate			---	---	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10180-SEP15	29-Sep-15	1000	902	7.21	11	12	187	57	16.4	11	< 0.06	< 0.00001
1	CA10010-OCT15	06-Oct-15	1000	940	7.43	9	10	147	42	16.0	9	< 0.06	< 0.00001
2	CA10050-OCT15	13-Oct-15	1000	963	7.29	14	9	93	21	8.85	8	< 0.06	< 0.00001
3	CA10083-OCT15	20-Oct-15	1000	1008	7.48	8	11	94	18	8.73	8	< 0.06	< 0.00001
4	CA10130-OCT15	27-Oct-15	1000	1012	7.10	5	9	77	17	7.14	6	< 0.06	< 0.00001
5	CA10009-NOV15	03-Nov-15	1000	986	7.51	4	8	77	16	6.83	5	0.28	< 0.00001
6	CA10039-NOV15	10-Nov-15	1000	997	7.15	4	8	69	17	7.55	---	---	---
7	CA10070-NOV15	17-Nov-15	1000	946	7.21	5	8	80	15	7.85	---	---	---
8	CA10101-NOV15	24-Nov-15	1000	938	6.79	7	7	86	21	9.56	---	---	---
9	CA10009-DEC15	01-Dec-15	1000	939	6.92	6	6	79	20	8.99	---	---	---
10	CA10044-DEC15	08-Dec-15	1000	961	6.66	14	6	88	24	10.5	8	< 0.06	< 0.00001
11	CA10078-DEC15	15-Dec-15	1000	936	6.89	10	7	89	22	9.48	---	---	---
12	CA10114-DEC15	22-Dec-15	1000	957	7.05	18	5	103	29	12.4	---	---	---
13	CA10149-DEC15	29-Dec-15	1000	963	6.48	15	6	97	26	9.23	---	---	---
14	CA10010-JAN15	05-Jan-16	1000	967	6.83	14	5	90	24	9.05	---	---	---
15	CA10047-JAN16	12-Jan-16	1000	965	7.04	15	6	101	27	10.8	8	< 0.06	< 0.00001
16	CA10087-JAN16	19-Jan-16	1000	957	7.06	17	5	83	24	9.11	---	---	---
17	CA10129-JAN16	26-Jan-16	1000	948	7.04	12	4	88	25	9.63	---	---	---
18	CA10012-FEB16	02-Feb-16	1000	962	6.90	15	5	94	23	9.92	---	---	---
19	CA10054-FEB16	09-Feb-16	1000	957	6.93	15	5	106	27	10.9	---	---	---
20	CA10095-FEB16	16-Feb-16	1000	1011	6.80	18	5	103	30	11.4	9	< 0.06	< 0.00001
21	CA10139-FEB16	23-Feb-16	1000	998	6.79	18	4	80	25	10.8	---	---	---
22	CA10008-MAR16	01-Mar-16	1000	985	6.79	16	4	90	26	10.5	---	---	---
23	CA10045-MAR16	08-Mar-16	1000	992	6.87	17	4	93	27	10.9	---	---	---
24	CA10082-MAR16	15-Mar-16	1000	995	6.96	15	4	90	25	9.88	---	---	---
25	CA10126-MAR16	22-Mar-16	1000	981	6.74	15	4	87	25	8.78	7	< 0.06	< 0.00001
26	CA10162-MAR16	29-Mar-16	1000	1001	6.93	15	4	93	28	10.2	---	---	---
27	CA10008-APR16	05-Apr-16	1000	983	6.73	26	3	82	25	9.53	---	---	---
28	CA10045-APR16	12-Apr-16	1000	998	6.89	16	4	92	28	11.0	---	---	---
29	CA10087-APR16	19-Apr-16	1000	986	6.71	20	3	91	22	10.1	---	---	---
30	CA10118-APR16	26-Apr-16	1000	981	6.73	17	3	90	28	10.9	7	< 0.06	< 0.00001
31	CA10007-MAY16	03-May-16	1000	991	6.61	17	4	97	28	11.0	---	---	---
32	CA10045-MAY16	10-May-16	1000	983	6.99	18	4	98	31	11.1	---	---	---
33	CA10086-MAY16	17-May-16	1000	1003	6.80	22	3	102	32	11.3	---	---	---
34	CA10121-MAY16	24-May-16	1000	1012	6.81	21	3	99	30	10.6	---	---	---
35	CA10163-MAY16	31-May-16	1000	1009	6.74	20	4	100	31	11.4	8	< 0.06	< 0.00001
36	CA10021-JUN16	07-Jun-16	1000	1008	6.80	16	4	98	28	11.2	---	---	---
37	CA10052-JUN16	14-Jun-16	1000	1012	6.81	15	3	87	26	9.98	---	---	---
38	CA10083-JUN16	21-Jun-16	1000	1018	6.86	16	4	91	26	10.2	---	---	---
39	CA10120-JUN16	28-Jun-16	1000	1017	6.75	18	4	92	27	10.8	---	---	---
40	CA10009-JUL16	05-Jul-16	1000	1022	6.80	16	3	87	26	9.39	7	< 0.06	< 0.00001
41	CA10046-JUL16	12-Jul-16	1000	1017	6.74	11	3	154	24	9.71	---	---	---
42	CA10083-JUL16	19-Jul-16	1000	1001	6.49	12	3	74	23	8.52	---	---	---
43	CA10116-JUL16	26-Jul-16	1000	996	6.78	9	3	77	20	8.26	---	---	---
44	CA10013-AUG16	02-Aug-16	1000	997	6.64	12	3	78	21	9.15	---	---	---
45	CA10047-AUG16	09-Aug-16	1000	1002	6.60	11	3	75	21	8.01	4	< 0.06	< 0.00001
46	CA10083-AUG16	16-Aug-16	1000	987	6.54	7	3	70	19	7.24	---	---	---
47	CA10119-AUG16	23-Aug-16	1000	983	6.64	11	2	71	20	7.47	---	---	---
48	CA10154-AUG16	30-Aug-16	1000	988	6.66	9	2	67	21	7.50	---	---	---
49	CA10007-SEP16	06-Sep-16	1000	986	6.89	10	3	66	19	7.63	---	---	---
50	CA10043-SEP16	13-Sep-16	1000	989	6.66	8	3	64	19	7.22	4	< 0.06	< 0.00001
51	CA10084-SEP16	20-Sep-16	1000	1003	6.59	8	2	65	18	7.40	---	---	---
52	CA10119-SEP16	27-Sep-16	1000	988	6.45	12	2	66	19	7.29	---	---	---
53	CA10021-OCT16	04-Oct-16	1000	994	6.79	17	3	74	21	8.52	---	---	---
54	CA10042-OCT16	11-Oct-16	1000	998	6.58	13	3	74	22	7.82	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	As3+	As5+	Ba	Be	B	Bi
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L
0	CA10180-SEP15	29-Sep-15	1000	902	0.000097	0.031	0.0946	---	---	0.00925	< 0.000007	0.0071	0.000023
1	CA10010-OCT15	06-Oct-15	1000	940	0.000029	0.028	0.151	---	---	0.00714	< 0.000007	0.0058	0.000032
2	CA10050-OCT15	13-Oct-15	1000	963	0.000017	0.022	0.0912	---	---	0.00470	< 0.000007	0.0861	< 0.000007
3	CA10083-OCT15	20-Oct-15	1000	1008	0.000031	0.025	0.109	---	---	0.00431	< 0.000007	0.0047	0.000037
4	CA10130-OCT15	27-Oct-15	1000	1012	0.000029	0.024	0.0775	---	---	0.00440	0.000009	0.0036	0.000020
5	CA10009-NOV15	03-Nov-15	1000	986	0.000016	0.022	0.0754	---	---	0.00438	0.000008	0.0058	< 0.000007
6	CA10039-NOV15	10-Nov-15	1000	997	---	---	---	---	---	---	---	---	---
7	CA10070-NOV15	17-Nov-15	1000	946	---	---	---	---	---	---	---	---	---
8	CA10101-NOV15	24-Nov-15	1000	938	---	---	---	---	---	---	---	---	---
9	CA10009-DEC15	01-Dec-15	1000	939	---	---	---	---	---	---	---	---	---
10	CA10044-DEC15	08-Dec-15	1000	961	0.000038	0.013	0.0324	---	---	0.00853	0.000008	< 0.0002	0.000026
11	CA10078-DEC15	15-Dec-15	1000	936	---	---	---	---	---	---	---	---	---
12	CA10114-DEC15	22-Dec-15	1000	957	---	---	---	---	---	---	---	---	---
13	CA10149-DEC15	29-Dec-15	1000	963	---	---	---	---	---	---	---	---	---
14	CA10010-JAN15	05-Jan-16	1000	967	---	---	---	---	---	---	---	---	---
15	CA10047-JAN16	12-Jan-16	1000	965	0.000028	0.009	0.0233	---	---	0.00924	< 0.000007	0.0097	0.000013
16	CA10087-JAN16	19-Jan-16	1000	957	---	---	---	---	---	---	---	---	---
17	CA10129-JAN16	26-Jan-16	1000	948	---	---	---	---	---	---	---	---	---
18	CA10012-FEB16	02-Feb-16	1000	962	---	---	---	---	---	---	---	---	---
19	CA10054-FEB16	09-Feb-16	1000	957	---	---	---	---	---	---	---	---	---
20	CA10095-FEB16	16-Feb-16	1000	1011	0.000031	0.014	0.0164	---	---	0.00989	0.000013	< 0.002	0.000007
21	CA10139-FEB16	23-Feb-16	1000	998	---	---	---	---	---	---	---	---	---
22	CA10008-MAR16	01-Mar-16	1000	985	---	---	---	---	---	---	---	---	---
23	CA10045-MAR16	08-Mar-16	1000	992	---	---	---	---	---	---	---	---	---
24	CA10082-MAR16	15-Mar-16	1000	995	---	---	---	---	---	---	---	---	---
25	CA10126-MAR16	22-Mar-16	1000	981	0.000063	0.011	0.0221	---	---	0.00858	0.000013	< 0.002	< 0.000007
26	CA10162-MAR16	29-Mar-16	1000	1001	---	---	---	---	---	---	---	---	---
27	CA10008-APR16	05-Apr-16	1000	983	---	---	---	---	---	---	---	---	---
28	CA10045-APR16	12-Apr-16	1000	998	---	---	---	---	---	---	---	---	---
29	CA10087-APR16	19-Apr-16	1000	986	---	---	---	---	---	---	---	---	---
30	CA10118-APR16	26-Apr-16	1000	981	0.000016	0.009	0.0215	---	---	0.0113	0.000019	0.003	< 0.000007
31	CA10007-MAY16	03-May-16	1000	991	---	---	---	---	---	---	---	---	---
32	CA10045-MAY16	10-May-16	1000	983	---	---	---	---	---	---	---	---	---
33	CA10086-MAY16	17-May-16	1000	1003	---	---	---	---	---	---	---	---	---
34	CA10121-MAY16	24-May-16	1000	1012	---	---	---	---	---	---	---	---	---
35	CA10163-MAY16	31-May-16	1000	1009	0.000012	0.010	0.0174	---	---	0.0115	0.000021	0.003	0.000014
36	CA10021-JUN16	07-Jun-16	1000	1008	---	---	---	---	---	---	---	---	---
37	CA10052-JUN16	14-Jun-16	1000	1012	---	---	---	---	---	---	---	---	---
38	CA10083-JUN16	21-Jun-16	1000	1018	---	---	---	---	---	---	---	---	---
39	CA10120-JUN16	28-Jun-16	1000	1017	---	---	---	---	---	---	---	---	---
40	CA10009-JUL16	05-Jul-16	1000	1022	0.000256	0.007	0.0175	---	---	0.0106	0.000015	< 0.002	< 0.000007
41	CA10046-JUL16	12-Jul-16	1000	1017	---	---	---	---	---	---	---	---	---
42	CA10083-JUL16	19-Jul-16	1000	1001	---	---	---	---	---	---	---	---	---
43	CA10116-JUL16	26-Jul-16	1000	996	---	---	---	---	---	---	---	---	---
44	CA10013-AUG16	02-Aug-16	1000	997	---	---	---	---	---	---	---	---	---
45	CA10047-AUG16	09-Aug-16	1000	1002	0.000025	0.005	0.0103	---	---	0.00885	0.000012	0.003	< 0.000007
46	CA10083-AUG16	16-Aug-16	1000	987	---	---	---	---	---	---	---	---	---
47	CA10119-AUG16	23-Aug-16	1000	983	---	---	---	---	---	---	---	---	---
48	CA10154-AUG16	30-Aug-16	1000	988	---	---	---	---	---	---	---	---	---
49	CA10007-SEP16	06-Sep-16	1000	986	---	---	---	---	---	---	---	---	---
50	CA10043-SEP16	13-Sep-16	1000	989	0.000024	0.008	0.0110	---	---	0.00756	0.000017	0.008	< 0.000007
51	CA10084-SEP16	20-Sep-16	1000	1003	---	---	---	---	---	---	---	---	---
52	CA10119-SEP16	27-Sep-16	1000	988	---	---	---	---	---	---	---	---	---
53	CA10021-OCT16	04-Oct-16	1000	994	---	---	---	---	---	---	---	---	---
54	CA10042-OCT16	11-Oct-16	1000	998	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cd	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10180-SEP15	29-Sep-15	1000	902	< 0.000003	0.000297	< 0.00003	0.00033	< 0.007	12.3	0.00238	4.77	0.096	0.00056	1.03
1	CA10010-OCT15	06-Oct-15	1000	940	< 0.000003	0.000261	0.00006	0.00033	< 0.007	7.93	0.00215	2.99	0.0729	0.00060	0.62
2	CA10050-OCT15	13-Oct-15	1000	963	0.000023	0.000294	0.00018	0.00048	0.010	5.67	0.00149	2.10	0.0628	0.0263	0.39
3	CA10083-OCT15	20-Oct-15	1000	1008	< 0.000003	0.000176	0.00003	0.00037	< 0.007	6.08	0.00160	2.14	0.0687	0.00033	0.39
4	CA10130-OCT15	27-Oct-15	1000	1012	0.000005	0.000205	< 0.00003	0.00039	0.024	4.71	0.00137	1.88	0.0702	0.00024	0.30
5	CA10009-NOV15	03-Nov-15	1000	986	< 0.000003	0.000189	< 0.00003	0.00040	0.025	4.56	0.00144	1.68	0.0665	0.00014	0.25
6	CA10039-NOV15	10-Nov-15	1000	997	---	---	---	---	---	---	---	---	---	---	---
7	CA10070-NOV15	17-Nov-15	1000	946	---	---	---	---	---	---	---	---	---	---	---
8	CA10101-NOV15	24-Nov-15	1000	938	---	---	---	---	---	---	---	---	---	---	---
9	CA10009-DEC15	01-Dec-15	1000	939	---	---	---	---	---	---	---	---	---	---	---
10	CA10044-DEC15	08-Dec-15	1000	961	0.000010	0.000486	0.00004	0.00040	< 0.007	4.40	0.00175	1.64	0.106	0.00024	0.09
11	CA10078-DEC15	15-Dec-15	1000	936	---	---	---	---	---	---	---	---	---	---	---
12	CA10114-DEC15	22-Dec-15	1000	957	---	---	---	---	---	---	---	---	---	---	---
13	CA10149-DEC15	29-Dec-15	1000	963	---	---	---	---	---	---	---	---	---	---	---
14	CA10010-JAN15	05-Jan-16	1000	967	---	---	---	---	---	---	---	---	---	---	---
15	CA10047-JAN16	12-Jan-16	1000	965	< 0.000003	0.000711	< 0.00003	0.00007	0.061	4.45	0.00186	1.62	0.119	0.00062	0.09
16	CA10087-JAN16	19-Jan-16	1000	957	---	---	---	---	---	---	---	---	---	---	---
17	CA10129-JAN16	26-Jan-16	1000	948	---	---	---	---	---	---	---	---	---	---	---
18	CA10012-FEB16	02-Feb-16	1000	962	---	---	---	---	---	---	---	---	---	---	---
19	CA10054-FEB16	09-Feb-16	1000	957	---	---	---	---	---	---	---	---	---	---	---
20	CA10095-FEB16	16-Feb-16	1000	1011	0.000003	0.00115	< 0.00003	0.00066	0.214	4.42	0.00166	1.80	0.159	0.00084	0.06
21	CA10139-FEB16	23-Feb-16	1000	998	---	---	---	---	---	---	---	---	---	---	---
22	CA10008-MAR16	01-Mar-16	1000	985	---	---	---	---	---	---	---	---	---	---	---
23	CA10045-MAR16	08-Mar-16	1000	992	---	---	---	---	---	---	---	---	---	---	---
24	CA10082-MAR16	15-Mar-16	1000	995	---	---	---	---	---	---	---	---	---	---	---
25	CA10126-MAR16	22-Mar-16	1000	981	< 0.000003	0.00131	< 0.00003	0.00042	0.380	3.12	0.00165	1.52	0.140	0.00002	0.04
26	CA10162-MAR16	29-Mar-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---
27	CA10008-APR16	05-Apr-16	1000	983	---	---	---	---	---	---	---	---	---	---	---
28	CA10045-APR16	12-Apr-16	1000	998	---	---	---	---	---	---	---	---	---	---	---
29	CA10087-APR16	19-Apr-16	1000	986	---	---	---	---	---	---	---	---	---	---	---
30	CA10118-APR16	26-Apr-16	1000	981	0.000007	0.00183	< 0.00003	0.00148	0.496	3.85	0.00211	1.56	0.151	0.00103	0.04
31	CA10007-MAY16	03-May-16	1000	991	---	---	---	---	---	---	---	---	---	---	---
32	CA10045-MAY16	10-May-16	1000	983	---	---	---	---	---	---	---	---	---	---	---
33	CA10086-MAY16	17-May-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---
34	CA10121-MAY16	24-May-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---
35	CA10163-MAY16	31-May-16	1000	1009	< 0.000003	0.002071	< 0.00003	0.00021	0.702	4.30	0.00237	1.68	0.180	0.00004	0.04
36	CA10021-JUN16	07-Jun-16	1000	1008	---	---	---	---	---	---	---	---	---	---	---
37	CA10052-JUN16	14-Jun-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---
38	CA10083-JUN16	21-Jun-16	1000	1018	---	---	---	---	---	---	---	---	---	---	---
39	CA10120-JUN16	28-Jun-16	1000	1017	---	---	---	---	---	---	---	---	---	---	---
40	CA10009-JUL16	05-Jul-16	1000	1022	0.000003	0.00159	< 0.00003	0.00012	0.398	4.02	0.00228	1.32	0.140	0.00124	0.02
41	CA10046-JUL16	12-Jul-16	1000	1017	---	---	---	---	---	---	---	---	---	---	---
42	CA10083-JUL16	19-Jul-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---
43	CA10116-JUL16	26-Jul-16	1000	996	---	---	---	---	---	---	---	---	---	---	---
44	CA10013-AUG16	02-Aug-16	1000	997	---	---	---	---	---	---	---	---	---	---	---
45	CA10047-AUG16	09-Aug-16	1000	1002	< 0.000003	0.00154	< 0.00003	0.00015	0.430	3.16	0.00181	1.10	0.115	0.00015	0.04
46	CA10083-AUG16	16-Aug-16	1000	987	---	---	---	---	---	---	---	---	---	---	---
47	CA10119-AUG16	23-Aug-16	1000	983	---	---	---	---	---	---	---	---	---	---	---
48	CA10154-AUG16	30-Aug-16	1000	988	---	---	---	---	---	---	---	---	---	---	---
49	CA10007-SEP16	06-Sep-16	1000	986	---	---	---	---	---	---	---	---	---	---	---
50	CA10043-SEP16	13-Sep-16	1000	989	0.000005	0.00139	< 0.00003	0.00019	0.386	3.09	0.0020	1.07	0.0987	0.00024	0.03
51	CA10084-SEP16	20-Sep-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---
52	CA10119-SEP16	27-Sep-16	1000	988	---	---	---	---	---	---	---	---	---	---	---
53	CA10021-OCT16	04-Oct-16	1000	994	---	---	---	---	---	---	---	---	---	---	---
54	CA10042-OCT16	11-Oct-16	1000	998	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ni	P	Pb	Sb	Se	Sr	Sn	Ti	Tl	U	V
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10180-SEP15	29-Sep-15	1000	902	0.0141	< 0.003	< 0.00001	0.0028	0.00028	0.0729	0.00017	< 0.00005	0.00001	0.000034	0.00028
1	CA10010-OCT15	06-Oct-15	1000	940	0.0070	< 0.003	0.00014	0.0029	0.00020	0.0598	0.00019	< 0.00005	0.000006	0.000044	0.00050
2	CA10050-OCT15	13-Oct-15	1000	963	0.0040	< 0.003	0.00058	0.0023	0.00018	0.0333	0.00012	0.00343	0.000857	0.000031	0.00077
3	CA10083-OCT15	20-Oct-15	1000	1008	0.0047	< 0.003	< 0.00001	0.0025	0.00023	0.02980	0.00004	< 0.00005	0.000012	0.000053	0.00034
4	CA10130-OCT15	27-Oct-15	1000	1012	0.0043	< 0.003	0.00003	0.0015	< 0.001	0.02768	0.00005	0.00010	< 0.000005	0.000058	0.00028
5	CA10009-NOV15	03-Nov-15	1000	986	0.0042	< 0.003	< 0.00001	0.0018	< 0.001	0.0257	< 0.00001	< 0.00005	< 0.000005	0.000425	0.00028
6	CA10039-NOV15	10-Nov-15	1000	997	---	---	---	---	---	---	---	---	---	---	---
7	CA10070-NOV15	17-Nov-15	1000	946	---	---	---	---	---	---	---	---	---	---	---
8	CA10101-NOV15	24-Nov-15	1000	938	---	---	---	---	---	---	---	---	---	---	---
9	CA10009-DEC15	01-Dec-15	1000	939	---	---	---	---	---	---	---	---	---	---	---
10	CA10044-DEC15	08-Dec-15	1000	961	0.0112	< 0.003	< 0.00001	0.0011	0.00020	0.0278	0.00018	< 0.00005	< 0.000005	0.000029	0.00014
11	CA10078-DEC15	15-Dec-15	1000	936	---	---	---	---	---	---	---	---	---	---	---
12	CA10114-DEC15	22-Dec-15	1000	957	---	---	---	---	---	---	---	---	---	---	---
13	CA10149-DEC15	29-Dec-15	1000	963	---	---	---	---	---	---	---	---	---	---	---
14	CA10010-JAN15	05-Jan-16	1000	967	---	---	---	---	---	---	---	---	---	---	---
15	CA10047-JAN16	12-Jan-16	1000	965	0.0178	< 0.003	< 0.00001	0.0006	0.00015	0.0241	0.00004	< 0.00005	< 0.000005	0.000024	0.00005
16	CA10087-JAN16	19-Jan-16	1000	957	---	---	---	---	---	---	---	---	---	---	---
17	CA10129-JAN16	26-Jan-16	1000	948	---	---	---	---	---	---	---	---	---	---	---
18	CA10012-FEB16	02-Feb-16	1000	962	---	---	---	---	---	---	---	---	---	---	---
19	CA10054-FEB16	09-Feb-16	1000	957	---	---	---	---	---	---	---	---	---	---	---
20	CA10095-FEB16	16-Feb-16	1000	1011	0.0284	< 0.003	0.00001	0.0006	0.00013	0.0248	0.00009	< 0.00005	0.000006	0.000033	0.00002
21	CA10139-FEB16	23-Feb-16	1000	998	---	---	---	---	---	---	---	---	---	---	---
22	CA10008-MAR16	01-Mar-16	1000	985	---	---	---	---	---	---	---	---	---	---	---
23	CA10045-MAR16	08-Mar-16	1000	992	---	---	---	---	---	---	---	---	---	---	---
24	CA10082-MAR16	15-Mar-16	1000	995	---	---	---	---	---	---	---	---	---	---	---
25	CA10126-MAR16	22-Mar-16	1000	981	0.0507	< 0.003	0.00001	0.0006	0.00010	0.0198	0.00005	< 0.00005	0.000007	0.000016	0.00003
26	CA10162-MAR16	29-Mar-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---
27	CA10008-APR16	05-Apr-16	1000	983	---	---	---	---	---	---	---	---	---	---	---
28	CA10045-APR16	12-Apr-16	1000	998	---	---	---	---	---	---	---	---	---	---	---
29	CA10087-APR16	19-Apr-16	1000	986	---	---	---	---	---	---	---	---	---	---	---
30	CA10118-APR16	26-Apr-16	1000	981	0.0718	< 0.003	0.00002	0.0007	0.00016	0.0199	0.00014	0.00007	0.000015	0.000017	0.00003
31	CA10007-MAY16	03-May-16	1000	991	---	---	---	---	---	---	---	---	---	---	---
32	CA10045-MAY16	10-May-16	1000	983	---	---	---	---	---	---	---	---	---	---	---
33	CA10086-MAY16	17-May-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---
34	CA10121-MAY16	24-May-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---
35	CA10163-MAY16	31-May-16	1000	1009	0.0919	< 0.003	< 0.00001	0.0007	0.00017	0.0199	< 0.00001	< 0.00005	0.000010	0.000012	0.00001
36	CA10021-JUN16	07-Jun-16	1000	1008	---	---	---	---	---	---	---	---	---	---	---
37	CA10052-JUN16	14-Jun-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---
38	CA10083-JUN16	21-Jun-16	1000	1018	---	---	---	---	---	---	---	---	---	---	---
39	CA10120-JUN16	28-Jun-16	1000	1017	---	---	---	---	---	---	---	---	---	---	---
40	CA10009-JUL16	05-Jul-16	1000	1022	0.0752	< 0.003	0.00001	0.0006	0.00017	0.0171	< 0.00001	< 0.00005	0.000009	0.000021	0.00002
41	CA10046-JUL16	12-Jul-16	1000	1017	---	---	---	---	---	---	---	---	---	---	---
42	CA10083-JUL16	19-Jul-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---
43	CA10116-JUL16	26-Jul-16	1000	996	---	---	---	---	---	---	---	---	---	---	---
44	CA10013-AUG16	02-Aug-16	1000	997	---	---	---	---	---	---	---	---	---	---	---
45	CA10047-AUG16	09-Aug-16	1000	1002	0.0712	< 0.003	< 0.00001	0.0006	0.00012	0.0135	0.00011	< 0.00005	0.000005	0.000013	< 0.00001
46	CA10083-AUG16	16-Aug-16	1000	987	---	---	---	---	---	---	---	---	---	---	---
47	CA10119-AUG16	23-Aug-16	1000	983	---	---	---	---	---	---	---	---	---	---	---
48	CA10154-AUG16	30-Aug-16	1000	988	---	---	---	---	---	---	---	---	---	---	---
49	CA10007-SEP16	06-Sep-16	1000	986	---	---	---	---	---	---	---	---	---	---	---
50	CA10043-SEP16	13-Sep-16	1000	989	0.0559	0.070	< 0.00001	0.0008	0.00015	0.0122	0.00016	< 0.00005	0.000010	0.000014	0.00002
51	CA10084-SEP16	20-Sep-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---
52	CA10119-SEP16	27-Sep-16	1000	988	---	---	---	---	---	---	---	---	---	---	---
53	CA10021-OCT16	04-Oct-16	1000	994	---	---	---	---	---	---	---	---	---	---	---
54	CA10042-OCT16	11-Oct-16	1000	998	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L
0	CA10180-SEP15	29-Sep-15	1000	902	< 0.002
1	CA10010-OCT15	06-Oct-15	1000	940	< 0.002
2	CA10050-OCT15	13-Oct-15	1000	963	< 0.002
3	CA10083-OCT15	20-Oct-15	1000	1008	< 0.002
4	CA10130-OCT15	27-Oct-15	1000	1012	< 0.002
5	CA10009-NOV15	03-Nov-15	1000	986	< 0.002
6	CA10039-NOV15	10-Nov-15	1000	997	---
7	CA10070-NOV15	17-Nov-15	1000	946	---
8	CA10101-NOV15	24-Nov-15	1000	938	---
9	CA10009-DEC15	01-Dec-15	1000	939	---
10	CA10044-DEC15	08-Dec-15	1000	961	< 0.002
11	CA10078-DEC15	15-Dec-15	1000	936	---
12	CA10114-DEC15	22-Dec-15	1000	957	---
13	CA10149-DEC15	29-Dec-15	1000	963	---
14	CA10010-JAN15	05-Jan-16	1000	967	---
15	CA10047-JAN16	12-Jan-16	1000	965	< 0.002
16	CA10087-JAN16	19-Jan-16	1000	957	---
17	CA10129-JAN16	26-Jan-16	1000	948	---
18	CA10012-FEB16	02-Feb-16	1000	962	---
19	CA10054-FEB16	09-Feb-16	1000	957	---
20	CA10095-FEB16	16-Feb-16	1000	1011	< 0.002
21	CA10139-FEB16	23-Feb-16	1000	998	---
22	CA10008-MAR16	01-Mar-16	1000	985	---
23	CA10045-MAR16	08-Mar-16	1000	992	---
24	CA10082-MAR16	15-Mar-16	1000	995	---
25	CA10126-MAR16	22-Mar-16	1000	981	< 0.002
26	CA10162-MAR16	29-Mar-16	1000	1001	---
27	CA10008-APR16	05-Apr-16	1000	983	---
28	CA10045-APR16	12-Apr-16	1000	998	---
29	CA10087-APR16	19-Apr-16	1000	986	---
30	CA10118-APR16	26-Apr-16	1000	981	< 0.002
31	CA10007-MAY16	03-May-16	1000	991	---
32	CA10045-MAY16	10-May-16	1000	983	---
33	CA10086-MAY16	17-May-16	1000	1003	---
34	CA10121-MAY16	24-May-16	1000	1012	---
35	CA10163-MAY16	31-May-16	1000	1009	< 0.002
36	CA10021-JUN16	07-Jun-16	1000	1008	---
37	CA10052-JUN16	14-Jun-16	1000	1012	---
38	CA10083-JUN16	21-Jun-16	1000	1018	---
39	CA10120-JUN16	28-Jun-16	1000	1017	---
40	CA10009-JUL16	05-Jul-16	1000	1022	< 0.002
41	CA10046-JUL16	12-Jul-16	1000	1017	---
42	CA10083-JUL16	19-Jul-16	1000	1001	---
43	CA10116-JUL16	26-Jul-16	1000	996	---
44	CA10013-AUG16	02-Aug-16	1000	997	---
45	CA10047-AUG16	09-Aug-16	1000	1002	< 0.002
46	CA10083-AUG16	16-Aug-16	1000	987	---
47	CA10119-AUG16	23-Aug-16	1000	983	---
48	CA10154-AUG16	30-Aug-16	1000	988	---
49	CA10007-SEP16	06-Sep-16	1000	986	---
50	CA10043-SEP16	13-Sep-16	1000	989	< 0.002
51	CA10084-SEP16	20-Sep-16	1000	1003	---
52	CA10119-SEP16	27-Sep-16	1000	988	---
53	CA10021-OCT16	04-Oct-16	1000	994	---
54	CA10042-OCT16	11-Oct-16	1000	998	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
55	CA10077-OCT16	18-Oct-16	1000	984	6.57	15	2	71	22	7.94	6	< 0.06	< 0.00001
56	CA10112-OCT16	25-Oct-16	1000	986	6.52	13	2	74	23	8.04	---	---	---
57	CA10005-NOV16	01-Nov-16	1000	993	6.41	14	2	78	22	8.10	---	---	---
58	CA10040-NOV16	08-Nov-16	1000	993	6.26	15	2	78	24	8.47	---	---	---
59	CA10074-NOV16	15-Nov-16	1000	1023	6.43	18	3	87	26	9.70	---	---	---
60	CA10107-NOV16	22-Nov-16	1000	1019	6.40	19	3	89	26	9.59	7	< 0.06	< 0.00001
61	CA10150-NOV16	29-Nov-16	1000	999	6.43	18	2	83	26	8.90	---	---	---
62	CA10005-DEC16	06-Dec-16	1000	1002	6.32	18	2	91	27	11.5	---	---	---
63	CA10036-DEC16	13-Dec-16	1000	1012	6.23	18	2	92	27	9.81	---	---	---
64	CA10068-DEC16	20-Dec-16	1000	1007	6.48	20	2	91	28	10.0	---	---	---
65	CA10099-DEC16	28-Dec-16	1000	1033	6.50	22	2	105	34	12.8	8	< 0.06	< 0.00001
66	CA10005-JAN17	03-Jan-17	1000	934	6.61	8	3	62	18	7.10	---	---	---
67	CA10037-JAN17	10-Jan-17	1000	1007	6.36	39	2	127	42	14.5	---	---	---
68	CA10071-JAN17	17-Jan-17	1000	1003	6.32	27	2	108	36	14.3	---	---	---
69	CA10107-JAN17	24-Jan-17	1000	1005	6.21	22	2	107	32	11.4	---	---	---
70	CA10149-JAN17	31-Jan-17	1000	1030	6.41	21	2	106	33	12.5	7	< 0.06	< 0.00001
71	CA10026-FEB17	07-Feb-17	1000	1014	6.42	20	2	95	31	10.5	---	---	---
72	CA10070-FEB17	14-Feb-17	1000	1026	6.44	22	2	105	32	12.2	---	---	---
73	CA10107-FEB17	21-Feb-17	1000	1026	6.56	19	3	104	33	11.4	---	---	---
74	CA10146-FEB17	28-Feb-17	1000	1027	6.47	18	2	103	33	11.2	---	---	---
75	CA10026-MAR17	07-Mar-17	1000	1022	6.85	19	< 2	98	31	10.7	8	< 0.06	< 0.00001
76	CA10062-MAR17	14-Mar-17	1000	1012	6.55	18	< 2	93	29	10.3	---	---	---
77	CA10101-MAR17	21-Mar-17	1000	1011	6.55	18	< 2	92	31	10.3	---	---	---
78	CA10137-MAR17	28-Mar-17	1000	990	6.87	15	<2	92	28	9.30	---	---	---
79	CA10007-APR17	04-Apr-17	1000	993	6.31	13	< 2	80	27	8.78	---	---	---
80	CA10044-APR17	11-Apr-17	1000	991	6.24	12	< 2	78	23	8.01	4	< 0.06	< 0.00001
81	CA10081-APR17	18-Apr-17	1000	1000	6.43	7	2	74	23	7.62	---	---	---
82	CA10118-APR17	25-Apr-17	1000	1023	6.70	7	3	75	22	7.46	---	---	---
83	CA10006-MAY17	02-May-17	1000	1025	6.50	12	2	80	24	8.26	---	---	---
84	CA10044-MAY17	09-May-17	1000	1012	6.17	14	2	75	24	8.65	---	---	---
85	CA10080-MAY17	16-May-17	1000	1024	6.34	13	2	78	23	8.59	5	< 0.06	0.00001
86	CA10116-MAY17	23-May-17	1000	1021	6.10	11	2	81	22	8.17	---	---	---
87	CA10152-MAY17	30-May-17	1000	1019	6.59	12	3	78	23	8.21	---	---	---
88	CA10006-JUN17	06-Jun-17	1000	1025	6.49	12	2	76	23	8.38	---	---	---
89	CA10047-JUN17	13-Jun-17	1000	1016	6.49	11	2	77	22	7.97	---	---	---
On hold													

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	As3+	As5+	Ba	Be	B	Bi
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L
55	CA10077-OCT16	18-Oct-16	1000	984	0.000009	0.009	0.0106	---	---	0.00871	0.000019	< 0.002	< 0.000007
56	CA10112-OCT16	25-Oct-16	1000	986	---	---	---	---	---	---	---	---	---
57	CA10005-NOV16	01-Nov-16	1000	993	---	---	---	---	---	---	---	---	---
58	CA10040-NOV16	08-Nov-16	1000	993	---	---	---	---	---	---	---	---	---
59	CA10074-NOV16	15-Nov-16	1000	1023	---	---	---	---	---	---	---	---	---
60	CA10107-NOV16	22-Nov-16	1000	1019	0.000032	0.015	0.0150	---	---	0.0112	0.000023	0.003	< 0.000007
61	CA10150-NOV16	29-Nov-16	1000	999	---	---	---	---	---	---	---	---	---
62	CA10005-DEC16	06-Dec-16	1000	1002	---	---	---	---	---	---	---	---	---
63	CA10036-DEC16	13-Dec-16	1000	1012	---	---	---	---	---	---	---	---	---
64	CA10068-DEC16	20-Dec-16	1000	1007	---	---	---	---	---	---	---	---	---
65	CA10099-DEC16	28-Dec-16	1000	1033	< 0.00005	0.009	0.0117	---	---	0.0143	0.000018	0.009	< 0.000007
66	CA10005-JAN17	03-Jan-17	1000	934	---	---	---	---	---	---	---	---	---
67	CA10037-JAN17	10-Jan-17	1000	1007	---	---	---	---	---	---	---	---	---
68	CA10071-JAN17	17-Jan-17	1000	1003	---	---	---	---	---	---	---	---	---
69	CA10107-JAN17	24-Jan-17	1000	1005	---	---	---	---	---	---	---	---	---
70	CA10149-JAN17	31-Jan-17	1000	1030	< 0.00005	0.004	0.0065	---	---	0.0157	0.000021	< 0.002	< 0.000007
71	CA10026-FEB17	07-Feb-17	1000	1014	---	---	---	---	---	---	---	---	---
72	CA10070-FEB17	14-Feb-17	1000	1026	---	---	---	---	---	---	---	---	---
73	CA10107-FEB17	21-Feb-17	1000	1026	---	---	---	---	---	---	---	---	---
74	CA10146-FEB17	28-Feb-17	1000	1027	---	---	---	---	---	---	---	---	---
75	CA10026-MAR17	07-Mar-17	1000	1022	< 0.00005	0.009	0.0112	---	---	0.0124	0.000021	< 0.002	< 0.000007
76	CA10062-MAR17	14-Mar-17	1000	1012	---	---	---	---	---	---	---	---	---
77	CA10101-MAR17	21-Mar-17	1000	1011	---	---	---	---	---	---	---	---	---
78	CA10137-MAR17	28-Mar-17	1000	990	---	---	---	---	---	---	---	---	---
79	CA10007-APR17	04-Apr-17	1000	993	---	---	---	---	---	---	---	---	---
80	CA10044-APR17	11-Apr-17	1000	991	< 0.00005	0.008	0.0085	---	---	0.00902	0.000026	0.003	< 0.000007
81	CA10081-APR17	18-Apr-17	1000	1000	---	---	---	---	---	---	---	---	---
82	CA10118-APR17	25-Apr-17	1000	1023	---	---	---	---	---	---	---	---	---
83	CA10006-MAY17	02-May-17	1000	1025	---	---	0.0105	0.0050	0.0033	---	---	---	---
84	CA10044-MAY17	09-May-17	1000	1012	---	---	0.0107	<0.0005	<0.0005	---	---	---	---
85	CA10080-MAY17	16-May-17	1000	1024	< 0.00005	0.008	0.0109	---	---	0.0108	0.000021	0.002	< 0.000007
86	CA10116-MAY17	23-May-17	1000	1021	---	---	---	---	---	---	---	---	---
87	CA10152-MAY17	30-May-17	1000	1019	---	---	---	---	---	---	---	---	---
88	CA10006-JUN17	06-Jun-17	1000	1025	---	---	---	---	---	---	---	---	---
89	CA10047-JUN17	13-Jun-17	1000	1016	---	---	---	---	---	---	---	---	---
On hold								---	---				

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cd	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
55	CA10077-OCT16	18-Oct-16	1000	984	0.000004	0.00194	< 0.00003	0.00023	0.808	3.30	0.0018	1.19	0.132	0.00005	0.03
56	CA10112-OCT16	25-Oct-16	1000	986	---	---	---	---	---	---	---	---	---	---	---
57	CA10005-NOV16	01-Nov-16	1000	993	---	---	---	---	---	---	---	---	---	---	---
58	CA10040-NOV16	08-Nov-16	1000	993	---	---	---	---	---	---	---	---	---	---	---
59	CA10074-NOV16	15-Nov-16	1000	1023	---	---	---	---	---	---	---	---	---	---	---
60	CA10107-NOV16	22-Nov-16	1000	1019	0.000016	0.00219	< 0.00003	0.00086	0.779	3.54	0.0021	1.32	0.147	0.00006	0.03
61	CA10150-NOV16	29-Nov-16	1000	999	---	---	---	---	---	---	---	---	---	---	---
62	CA10005-DEC16	06-Dec-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---
63	CA10036-DEC16	13-Dec-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---
64	CA10068-DEC16	20-Dec-16	1000	1007	---	---	---	---	---	---	---	---	---	---	---
65	CA10099-DEC16	28-Dec-16	1000	1033	0.000004	0.00228	< 0.00003	0.00045	0.760	4.01	0.0025	1.64	0.171	0.00001	0.03
66	CA10005-JAN17	03-Jan-17	1000	934	---	---	---	---	---	---	---	---	---	---	---
67	CA10037-JAN17	10-Jan-17	1000	1007	---	---	---	---	---	---	---	---	---	---	---
68	CA10071-JAN17	17-Jan-17	1000	1003	---	---	---	---	---	---	---	---	---	---	---
69	CA10107-JAN17	24-Jan-17	1000	1005	---	---	---	---	---	---	---	---	---	---	---
70	CA10149-JAN17	31-Jan-17	1000	1030	0.000004	0.00268	0.00003	0.00033	0.772	4.04	0.0024	1.56	0.190	0.00011	< 0.01
71	CA10026-FEB17	07-Feb-17	1000	1014	---	---	---	---	---	---	---	---	---	---	---
72	CA10070-FEB17	14-Feb-17	1000	1026	---	---	---	---	---	---	---	---	---	---	---
73	CA10107-FEB17	21-Feb-17	1000	1026	---	---	---	---	---	---	---	---	---	---	---
74	CA10146-FEB17	28-Feb-17	1000	1027	---	---	---	---	---	---	---	---	---	---	---
75	CA10026-MAR17	07-Mar-17	1000	1022	0.000005	0.00301	< 0.00003	0.00102	1.04	3.80	0.0024	1.48	0.176	0.00048	0.02
76	CA10062-MAR17	14-Mar-17	1000	1012	---	---	---	---	---	---	---	---	---	---	---
77	CA10101-MAR17	21-Mar-17	1000	1011	---	---	---	---	---	---	---	---	---	---	---
78	CA10137-MAR17	28-Mar-17	1000	990	---	---	---	---	---	---	---	---	---	---	---
79	CA10007-APR17	04-Apr-17	1000	993	---	---	---	---	---	---	---	---	---	---	---
80	CA10044-APR17	11-Apr-17	1000	991	0.000007	0.00290	< 0.00003	0.00043	0.976	2.97	0.0020	1.19	0.130	0.00001	0.08
81	CA10081-APR17	18-Apr-17	1000	1000	---	---	---	---	---	---	---	---	---	---	---
82	CA10118-APR17	25-Apr-17	1000	1023	---	---	---	---	---	---	---	---	---	---	---
83	CA10006-MAY17	02-May-17	1000	1025	---	---	---	---	---	---	---	---	---	---	---
84	CA10044-MAY17	09-May-17	1000	1012	---	---	---	---	---	---	---	---	---	---	---
85	CA10080-MAY17	16-May-17	1000	1024	0.000008	0.00260	0.00003	0.00054	0.751	3.23	0.0022	1.25	0.133	0.00002	0.02
86	CA10116-MAY17	23-May-17	1000	1021	---	---	---	---	---	---	---	---	---	---	---
87	CA10152-MAY17	30-May-17	1000	1019	---	---	---	---	---	---	---	---	---	---	---
88	CA10006-JUN17	06-Jun-17	1000	1025	---	---	---	---	---	---	---	---	---	---	---
89	CA10047-JUN17	13-Jun-17	1000	1016	---	---	---	---	---	---	---	---	---	---	---
On hold															

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ni	P	Pb	Sb	Se	Sr	Sn	Ti	Tl	U	V
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
55	CA10077-OCT16	18-Oct-16	1000	984	0.0755	< 0.003	0.00003	0.0004	0.00007	0.0128	< 0.00001	< 0.00005	0.000008	0.000014	0.00002
56	CA10112-OCT16	25-Oct-16	1000	986	---	---	---	---	---	---	---	---	---	---	---
57	CA10005-NOV16	01-Nov-16	1000	993	---	---	---	---	---	---	---	---	---	---	---
58	CA10040-NOV16	08-Nov-16	1000	993	---	---	---	---	---	---	---	---	---	---	---
59	CA10074-NOV16	15-Nov-16	1000	1023	---	---	---	---	---	---	---	---	---	---	---
60	CA10107-NOV16	22-Nov-16	1000	1019	0.0812	< 0.003	0.00002	0.0006	0.00013	0.0162	0.00008	< 0.00005	0.000014	0.000037	0.00001
61	CA10150-NOV16	29-Nov-16	1000	999	---	---	---	---	---	---	---	---	---	---	---
62	CA10005-DEC16	06-Dec-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---
63	CA10036-DEC16	13-Dec-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---
64	CA10068-DEC16	20-Dec-16	1000	1007	---	---	---	---	---	---	---	---	---	---	---
65	CA10099-DEC16	28-Dec-16	1000	1033	0.0849	0.005	0.00001	0.0003	0.00015	0.0201	0.00007	< 0.00005	0.000010	0.000010	0.00001
66	CA10005-JAN17	03-Jan-17	1000	934	---	---	---	---	---	---	---	---	---	---	---
67	CA10037-JAN17	10-Jan-17	1000	1007	---	---	---	---	---	---	---	---	---	---	---
68	CA10071-JAN17	17-Jan-17	1000	1003	---	---	---	---	---	---	---	---	---	---	---
69	CA10107-JAN17	24-Jan-17	1000	1005	---	---	---	---	---	---	---	---	---	---	---
70	CA10149-JAN17	31-Jan-17	1000	1030	0.108	< 0.003	< 0.00001	0.0004	0.00012	0.0208	0.00017	< 0.00005	< 0.000005	0.000008	< 0.00001
71	CA10026-FEB17	07-Feb-17	1000	1014	---	---	---	---	---	---	---	---	---	---	---
72	CA10070-FEB17	14-Feb-17	1000	1026	---	---	---	---	---	---	---	---	---	---	---
73	CA10107-FEB17	21-Feb-17	1000	1026	---	---	---	---	---	---	---	---	---	---	---
74	CA10146-FEB17	28-Feb-17	1000	1027	---	---	---	---	---	---	---	---	---	---	---
75	CA10026-MAR17	07-Mar-17	1000	1022	0.128	< 0.003	0.00001	0.0004	0.00017	0.0178	0.00008	< 0.00005	< 0.000005	0.000014	< 0.00001
76	CA10062-MAR17	14-Mar-17	1000	1012	---	---	---	---	---	---	---	---	---	---	---
77	CA10101-MAR17	21-Mar-17	1000	1011	---	---	---	---	---	---	---	---	---	---	---
78	CA10137-MAR17	28-Mar-17	1000	990	---	---	---	---	---	---	---	---	---	---	---
79	CA10007-APR17	04-Apr-17	1000	993	---	---	---	---	---	---	---	---	---	---	---
80	CA10044-APR17	11-Apr-17	1000	991	0.113	0.006	0.00002	0.0004	0.00015	0.0128	0.00005	< 0.00005	0.000006	0.000016	< 0.00001
81	CA10081-APR17	18-Apr-17	1000	1000	---	---	---	---	---	---	---	---	---	---	---
82	CA10118-APR17	25-Apr-17	1000	1023	---	---	---	---	---	---	---	---	---	---	---
83	CA10006-MAY17	02-May-17	1000	1025	---	---	---	---	---	---	---	---	---	---	---
84	CA10044-MAY17	09-May-17	1000	1012	---	---	---	---	---	---	---	---	---	---	---
85	CA10080-MAY17	16-May-17	1000	1024	0.0921	< 0.003	< 0.00001	0.0005	0.00015	0.0150	0.00008	0.00012	0.000016	0.000008	< 0.00001
86	CA10116-MAY17	23-May-17	1000	1021	---	---	---	---	---	---	---	---	---	---	---
87	CA10152-MAY17	30-May-17	1000	1019	---	---	---	---	---	---	---	---	---	---	---
88	CA10006-JUN17	06-Jun-17	1000	1025	---	---	---	---	---	---	---	---	---	---	---
89	CA10047-JUN17	13-Jun-17	1000	1016	---	---	---	---	---	---	---	---	---	---	---
On hold															

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-089/076 Composite
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L
55	CA10077-OCT16	18-Oct-16	1000	984	< 0.002
56	CA10112-OCT16	25-Oct-16	1000	986	---
57	CA10005-NOV16	01-Nov-16	1000	993	---
58	CA10040-NOV16	08-Nov-16	1000	993	---
59	CA10074-NOV16	15-Nov-16	1000	1023	---
60	CA10107-NOV16	22-Nov-16	1000	1019	< 0.002
61	CA10150-NOV16	29-Nov-16	1000	999	---
62	CA10005-DEC16	06-Dec-16	1000	1002	---
63	CA10036-DEC16	13-Dec-16	1000	1012	---
64	CA10068-DEC16	20-Dec-16	1000	1007	---
65	CA10099-DEC16	28-Dec-16	1000	1033	< 0.002
66	CA10005-JAN17	03-Jan-17	1000	934	---
67	CA10037-JAN17	10-Jan-17	1000	1007	---
68	CA10071-JAN17	17-Jan-17	1000	1003	---
69	CA10107-JAN17	24-Jan-17	1000	1005	---
70	CA10149-JAN17	31-Jan-17	1000	1030	< 0.002
71	CA10026-FEB17	07-Feb-17	1000	1014	---
72	CA10070-FEB17	14-Feb-17	1000	1026	---
73	CA10107-FEB17	21-Feb-17	1000	1026	---
74	CA10146-FEB17	28-Feb-17	1000	1027	---
75	CA10026-MAR17	07-Mar-17	1000	1022	< 0.002
76	CA10062-MAR17	14-Mar-17	1000	1012	---
77	CA10101-MAR17	21-Mar-17	1000	1011	---
78	CA10137-MAR17	28-Mar-17	1000	990	---
79	CA10007-APR17	04-Apr-17	1000	993	---
80	CA10044-APR17	11-Apr-17	1000	991	< 0.002
81	CA10081-APR17	18-Apr-17	1000	1000	---
82	CA10118-APR17	25-Apr-17	1000	1023	---
83	CA10006-MAY17	02-May-17	1000	1025	---
84	CA10044-MAY17	09-May-17	1000	1012	---
85	CA10080-MAY17	16-May-17	1000	1024	< 0.002
86	CA10116-MAY17	23-May-17	1000	1021	---
87	CA10152-MAY17	30-May-17	1000	1019	---
88	CA10006-JUN17	06-Jun-17	1000	1025	---
89	CA10047-JUN17	13-Jun-17	1000	1016	---
On hold					

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-433-01
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10116-JAN16	19-Jan-16	1000	902	7.46	2	12	256	81	13.6	13	< 0.06	< 0.00001	0.000011
1	CA10131-JAN16	26-Jan-16	1000	1000	7.43	< 2	10	192	57	6.85	7	< 0.06	< 0.00001	0.000003
2	CA10014-FEB16	02-Feb-16	1000	1000	7.41	< 2	11	101	25	3.04	1	< 0.06	< 0.00001	< 0.000002
3	CA10056-FEB16	09-Feb-16	1000	993	7.39	< 2	10	84	19	2.57	1	< 0.06	< 0.00001	< 0.000002
4	CA10097-FEB16	16-Feb-16	1000	998	7.08	< 2	8	61	12	2.21	< 1	< 0.06	< 0.00001	< 0.000002
5	CA10141-FEB16	23-Feb-16	1000	988	7.50	< 2	10	53	10	2.37	< 1	< 0.06	< 0.00001	< 0.000002
6	CA10010-MAR16	01-Mar-16	1000	983	7.25	< 2	7	56	13	2.70	---	---	---	---
7	CA10047-MAR16	08-Mar-16	1000	998	7.30	< 2	7	68	16	3.78	---	---	---	---
8	CA10084-MAR16	15-Mar-16	1000	995	7.26	< 2	6	73	20	4.65	---	---	---	---
9	CA10128-MAR16	22-Mar-16	1000	991	7.12	< 2	6	82	25	5.53	---	---	---	---
10	CA10164-MAR16	29-Mar-16	1000	992	7.05	< 2	5	78	24	5.26	< 1	< 0.06	< 0.00001	< 0.000002
11	CA10010-APR16	04-Apr-16	1000	1000	7.21	< 2	6	73	25	5.90	---	---	---	---
12	CA10047-APR16	12-Apr-16	1000	994	7.14	< 2	5	72	22	5.83	---	---	---	---
13	CA10089-APR16	19-Apr-16	1000	949	6.91	< 2	4	51	12	3.99	---	---	---	---
14	CA10120-APR16	26-Apr-16	1000	966	7.11	< 2	5	65	19	5.23	---	---	---	---
15	CA10009-MAY16	03-May-16	1000	950	7.09	< 2	4	57	15	4.32	< 1	< 0.06	< 0.00001	< 0.000002
16	CA10047-MAY16	10-May-16	1000	980	7.01	< 2	5	63	17	5.09	---	---	---	---
17	CA10088-MAY16	17-May-16	1000	954	7.03	< 2	4	47	11	3.22	---	---	---	---
18	CA10123-MAY16	24-May-16	1000	960	7.09	< 2	4	53	14	3.91	---	---	---	---
19	CA10165-MAY16	31-May-16	1000	967	6.90	< 2	4	48	13	3.90	---	---	---	---
20	CA10023-JUN16	07-Jun-16	1000	979	6.97	< 2	4	45	13	3.71	< 1	< 0.06	< 0.00001	0.000010
21	CA10054-JUN16	14-Jun-16	1000	1004	7.04	< 2	5	47	12	4.10	---	---	---	---
22	CA10085-JUN16	21-Jun-16	1000	948	6.99	< 2	4	44	12	3.50	---	---	---	---
23	CA10122-JUN16	28-Jun-16	1000	983	6.79	< 2	4	52	14	4.77	---	---	---	---
24	CA10011-JUL16	05-Jul-16	1000	1005	7.10	< 2	4	46	13	3.82	---	---	---	---
25	CA10048-JUL16	12-Jul-16	1000	991	7.03	< 2	4	86	13	4.42	< 1	< 0.06	< 0.00001	< 0.000002
26	CA10085-JUL16	19-Jul-16	1000	1007	7.05	< 2	4	48	13	4.81	---	---	---	---
27	CA10118-JUL16	26-Jul-16	1000	986	7.04	< 2	4	48	12	4.45	---	---	---	---
28	CA10015-AUG16	02-Aug-16	1000	999	6.79	< 2	4	46	12	4.62	---	---	---	---
29	CA10049-AUG16	09-Aug-16	1000	1003	6.90	< 2	4	47	13	4.22	---	---	---	---
30	CA10085-AUG16	16-Aug-16	1000	993	6.76	< 2	4	46	12	4.14	< 1	< 0.06	< 0.00001	< 0.000002
31	CA10121-AUG16	23-Aug-16	1000	1001	6.72	< 2	4	46	12	3.89	---	---	---	---
32	CA10156-AUG16	30-Aug-16	1000	1004	7.01	<2	< 2	46	11	4.20	---	---	---	---
33	CA10009-SEP16	06-Sep-16	1000	1006	7.18	< 2	4	41	11	3.82	---	---	---	---
34	CA10045-SEP16	13-Sep-16	1000	1004	6.78	< 2	3	40	10	4.15	---	---	---	---
35	CA10086-SEP16	20-Sep-16	1000	994	6.94	< 2	4	39	10	3.86	< 1	< 0.06	< 0.00001	< 0.000002
36	CA10121-SEP16	27-Sep-16	1000	988	6.79	< 2	4	38	10	3.74	---	---	---	---
37	CA10023-OCT16	04-Oct-16	1000	990	6.87	< 2	4	40	9	4.14	---	---	---	---
38	CA10044-OCT16	11-Oct-16	1000	995	6.94	< 2	4	40	10	3.58	---	---	---	---
39	CA10079-OCT16	18-Oct-16	1000	968	6.83	< 2	3	35	9	3.45	---	---	---	---
40	CA10114-OCT16	25-Oct-16	1000	989	6.67	< 2	4	41	11	4.08	1	< 0.06	< 0.00001	0.000003
41	CA10006-NOV16	01-Nov-16	1000	986	6.65	< 2	2	38	9	3.46	---	---	---	---
42	CA10041-NOV16	08-Nov-16	1000	976	6.78	< 2	3	37	10	3.46	---	---	---	---
43	CA10075-NOV16	15-Nov-16	1000	1010	6.60	< 2	3	40	11	3.77	---	---	---	---
44	CA10108-NOV16	22-Nov-16	1000	1002	6.52	< 2	3	44	11	3.74	---	---	---	---
45	CA10151-NOV16	29-Nov-16	1000	990	6.76	< 2	2	42	12	3.52	1	< 0.06	< 0.00001	< 0.000002
46	CA10006-DEC16	06-Dec-16	1000	1002	6.47	< 2	3	50	13	3.94	---	---	---	---
47	CA10037-DEC16	13-Dec-16	1000	1010	6.75	< 2	3	51	13	3.95	---	---	---	---
48	CA10069-DEC16	20-Dec-16	1000	1011	6.67	< 2	2	50	15	3.90	---	---	---	---
49	CA10100-DEC16	28-Dec-16	1000	1035	6.88	< 2	4	61	18	6.33	---	---	---	---
50	CA10006-JAN16	03-Jan-17	1000	925	7.06	< 2	7	38	6	2.19	< 1	< 0.06	< 0.00001	< 0.00005
51	CA10038-JAN16	10-Jan-17	1000	1027	6.51	< 2	2	57	19	4.57	---	---	---	---
52	CA10072-JAN16	17-Jan-17	1000	1002	6.63	< 2	2	60	18	5.27	---	---	---	---
53	CA10108-JAN17	24-Jan-17	1000	1019	6.70	< 2	2	58	17	4.63	---	---	---	---
54	CA10150-JAN17	31-Jan-17	1000	998	7.07	< 2	5	58	16	4.01	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-433-01
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	As3+	As5+	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L
0	CA10116-JAN16	19-Jan-16	1000	902	0.01	0.0091	---	---	0.00766	< 0.000007	0.039	< 0.000007	0.000015	0.000409
1	CA10131-JAN16	26-Jan-16	1000	1000	0.008	0.0146	---	---	0.00325	< 0.000007	0.062	< 0.000007	0.000027	0.000376
2	CA10014-FEB16	02-Feb-16	1000	1000	0.011	0.0211	---	---	0.00141	< 0.000007	0.055	< 0.000007	0.000021	0.000205
3	CA10056-FEB16	09-Feb-16	1000	993	0.011	0.0221	---	---	0.00097	< 0.000007	0.046	< 0.000007	0.000018	0.000103
4	CA10097-FEB16	16-Feb-16	1000	998	0.007	0.0150	---	---	0.00090	< 0.000007	0.021	< 0.000007	0.000004	0.000123
5	CA10141-FEB16	23-Feb-16	1000	988	0.012	0.0171	---	---	0.00074	< 0.000007	0.030	< 0.000007	0.000004	0.000095
6	CA10010-MAR16	01-Mar-16	1000	983	---	---	---	---	---	---	---	---	---	---
7	CA10047-MAR16	08-Mar-16	1000	998	---	---	---	---	---	---	---	---	---	---
8	CA10084-MAR16	15-Mar-16	1000	995	---	---	---	---	---	---	---	---	---	---
9	CA10128-MAR16	22-Mar-16	1000	991	---	---	---	---	---	---	---	---	---	---
10	CA10164-MAR16	29-Mar-16	1000	992	0.006	0.0135	---	---	0.00146	< 0.000007	0.023	< 0.000007	< 0.000003	0.000110
11	CA10010-APR16	04-Apr-16	1000	1000	---	---	---	---	---	---	---	---	---	---
12	CA10047-APR16	12-Apr-16	1000	994	---	---	---	---	---	---	---	---	---	---
13	CA10089-APR16	19-Apr-16	1000	949	---	---	---	---	---	---	---	---	---	---
14	CA10120-APR16	26-Apr-16	1000	966	---	---	---	---	---	---	---	---	---	---
15	CA10009-MAY16	03-May-16	1000	950	0.006	0.0164	---	---	0.00108	< 0.000007	0.018	< 0.000007	< 0.000003	0.000099
16	CA10047-MAY16	10-May-16	1000	980	---	---	---	---	---	---	---	---	---	---
17	CA10088-MAY16	17-May-16	1000	954	---	---	---	---	---	---	---	---	---	---
18	CA10123-MAY16	24-May-16	1000	960	---	---	---	---	---	---	---	---	---	---
19	CA10165-MAY16	31-May-16	1000	967	---	---	---	---	---	---	---	---	---	---
20	CA10023-JUN16	07-Jun-16	1000	979	0.004	0.0123	---	---	0.00090	< 0.000007	0.013	< 0.000007	0.000004	0.000149
21	CA10054-JUN16	14-Jun-16	1000	1004	---	---	---	---	---	---	---	---	---	---
22	CA10085-JUN16	21-Jun-16	1000	948	---	---	---	---	---	---	---	---	---	---
23	CA10122-JUN16	28-Jun-16	1000	983	---	---	---	---	---	---	---	---	---	---
24	CA10011-JUL16	05-Jul-16	1000	1005	---	---	---	---	---	---	---	---	---	---
25	CA10048-JUL16	12-Jul-16	1000	991	0.004	0.0125	---	---	0.00099	< 0.000007	0.014	< 0.000007	< 0.000003	0.000098
26	CA10085-JUL16	19-Jul-16	1000	1007	---	---	---	---	---	---	---	---	---	---
27	CA10118-JUL16	26-Jul-16	1000	986	---	---	---	---	---	---	---	---	---	---
28	CA10015-AUG16	02-Aug-16	1000	999	---	---	---	---	---	---	---	---	---	---
29	CA10049-AUG16	09-Aug-16	1000	1003	---	---	---	---	---	---	---	---	---	---
30	CA10085-AUG16	16-Aug-16	1000	993	0.004	0.0133	---	---	0.00095	< 0.000007	0.011	< 0.000007	< 0.000003	0.000105
31	CA10121-AUG16	23-Aug-16	1000	1001	---	---	---	---	---	---	---	---	---	---
32	CA10156-AUG16	30-Aug-16	1000	1004	---	---	---	---	---	---	---	---	---	---
33	CA10009-SEP16	06-Sep-16	1000	1006	---	---	---	---	---	---	---	---	---	---
34	CA10045-SEP16	13-Sep-16	1000	1004	---	---	---	---	---	---	---	---	---	---
35	CA10086-SEP16	20-Sep-16	1000	994	0.003	0.0121	---	---	0.00081	< 0.000007	0.015	< 0.000007	< 0.000003	0.000099
36	CA10121-SEP16	27-Sep-16	1000	988	---	---	---	---	---	---	---	---	---	---
37	CA10023-OCT16	04-Oct-16	1000	990	---	---	---	---	---	---	---	---	---	---
38	CA10044-OCT16	11-Oct-16	1000	995	---	---	---	---	---	---	---	---	---	---
39	CA10079-OCT16	18-Oct-16	1000	968	---	---	---	---	---	---	---	---	---	---
40	CA10114-OCT16	25-Oct-16	1000	989	0.003	0.0106	---	---	0.00080	< 0.000007	0.011	< 0.000007	< 0.000003	0.000081
41	CA10006-NOV16	01-Nov-16	1000	986	---	---	---	---	---	---	---	---	---	---
42	CA10041-NOV16	08-Nov-16	1000	976	---	---	---	---	---	---	---	---	---	---
43	CA10075-NOV16	15-Nov-16	1000	1010	---	---	---	---	---	---	---	---	---	---
44	CA10108-NOV16	22-Nov-16	1000	1002	---	---	---	---	---	---	---	---	---	---
45	CA10151-NOV16	29-Nov-16	1000	990	0.003	0.0135	---	---	0.00130	< 0.000007	0.011	< 0.000007	0.000003	0.000374
46	CA10006-DEC16	06-Dec-16	1000	1002	---	---	---	---	---	---	---	---	---	---
47	CA10037-DEC16	13-Dec-16	1000	1010	---	---	---	---	---	---	---	---	---	---
48	CA10069-DEC16	20-Dec-16	1000	1011	---	---	---	---	---	---	---	---	---	---
49	CA10100-DEC16	28-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---	---
50	CA10006-JAN16	03-Jan-17	1000	925	0.004	0.0228	---	---	0.00074	< 0.000007	0.021	< 0.000007	< 0.000003	0.000138
51	CA10038-JAN16	10-Jan-17	1000	1027	---	---	---	---	---	---	---	---	---	---
52	CA10072-JAN16	17-Jan-17	1000	1002	---	---	---	---	---	---	---	---	---	---
53	CA10108-JAN17	24-Jan-17	1000	1019	---	---	---	---	---	---	---	---	---	---
54	CA10150-JAN17	31-Jan-17	1000	998	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-433-01
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10116-JAN16	19-Jan-16	1000	902	< 0.00003	0.00027	0.018	37.1	0.00127	3.03	0.0568	0.0435	4.66	0.006	0.004	< 0.00001
1	CA10131-JAN16	26-Jan-16	1000	1000	< 0.00003	0.00040	0.008	29.9	0.000816	2.14	0.0208	0.0870	4.66	0.0057	0.010	0.00003
2	CA10014-FEB16	02-Feb-16	1000	1000	< 0.00003	0.00034	< 0.007	17.1	0.000503	0.786	0.00887	0.0782	2.42	0.0025	0.012	< 0.00001
3	CA10056-FEB16	09-Feb-16	1000	993	< 0.00003	0.00041	0.019	13.4	0.000424	0.594	0.00626	0.0509	1.60	0.0015	0.010	< 0.00001
4	CA10097-FEB16	16-Feb-16	1000	998	< 0.00003	0.00028	< 0.007	9.56	0.000252	0.482	0.00774	0.0314	1.02	0.0016	0.004	< 0.00001
5	CA10141-FEB16	23-Feb-16	1000	988	< 0.00003	0.00043	< 0.007	9.69	0.000350	0.494	0.00614	0.0260	1.00	0.0011	0.009	0.00001
6	CA10010-MAR16	01-Mar-16	1000	983	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10047-MAR16	08-Mar-16	1000	998	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10084-MAR16	15-Mar-16	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10128-MAR16	22-Mar-16	1000	991	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10164-MAR16	29-Mar-16	1000	992	< 0.00003	0.00014	< 0.007	8.72	0.000372	0.906	0.0142	0.0118	0.58	0.0019	0.007	< 0.00001
11	CA10010-APR16	04-Apr-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10047-APR16	12-Apr-16	1000	994	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10089-APR16	19-Apr-16	1000	949	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10120-APR16	26-Apr-16	1000	966	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10009-MAY16	03-May-16	1000	950	< 0.00003	0.00005	< 0.007	6.94	0.000320	0.683	0.0164	0.00668	0.33	0.0011	0.004	< 0.00001
16	CA10047-MAY16	10-May-16	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10088-MAY16	17-May-16	1000	954	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10123-MAY16	24-May-16	1000	960	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10165-MAY16	31-May-16	1000	967	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10023-JUN16	07-Jun-16	1000	979	0.00020	0.00010	0.007	5.04	0.000295	0.707	0.0314	0.00400	0.26	0.0017	< 0.003	< 0.00001
21	CA10054-JUN16	14-Jun-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10085-JUN16	21-Jun-16	1000	948	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10122-JUN16	28-Jun-16	1000	983	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10011-JUL16	05-Jul-16	1000	1005	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10048-JUL16	12-Jul-16	1000	991	< 0.00003	0.00010	< 0.007	4.61	0.000221	0.547	0.0215	0.00364	0.19	0.0014	< 0.003	< 0.00001
26	CA10085-JUL16	19-Jul-16	1000	1007	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10118-JUL16	26-Jul-16	1000	986	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10015-AUG16	02-Aug-16	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10049-AUG16	09-Aug-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10085-AUG16	16-Aug-16	1000	993	< 0.00003	0.00024	< 0.007	4.25	0.000195	0.531	0.0242	0.00309	0.15	0.0013	< 0.003	< 0.00001
31	CA10121-AUG16	23-Aug-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10156-AUG16	30-Aug-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10009-SEP16	06-Sep-16	1000	1006	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10045-SEP16	13-Sep-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10086-SEP16	20-Sep-16	1000	994	< 0.00003	0.00014	< 0.007	3.57	0.0002	0.437	0.0236	0.00261	0.13	0.0012	< 0.003	< 0.00001
36	CA10121-SEP16	27-Sep-16	1000	988	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10023-OCT16	04-Oct-16	1000	990	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10044-OCT16	11-Oct-16	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10079-OCT16	18-Oct-16	1000	968	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10114-OCT16	25-Oct-16	1000	989	0.00063	0.00027	< 0.007	3.29	0.0002	0.435	0.0287	0.00203	0.11	0.0013	< 0.003	< 0.00001
41	CA10006-NOV16	01-Nov-16	1000	986	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10041-NOV16	08-Nov-16	1000	976	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10075-NOV16	15-Nov-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10108-NOV16	22-Nov-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10151-NOV16	29-Nov-16	1000	990	< 0.00003	0.00024	0.011	3.63	0.0002	0.584	0.0652	0.00192	0.11	0.0035	< 0.003	< 0.00001
46	CA10006-DEC16	06-Dec-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10037-DEC16	13-Dec-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10069-DEC16	20-Dec-16	1000	1011	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10100-DEC16	28-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10006-JAN16	03-Jan-17	1000	925	< 0.00003	0.00109	< 0.007	7.56	0.0002	0.293	0.0283	0.00127	0.10	0.0016	< 0.003	0.00003
51	CA10038-JAN16	10-Jan-17	1000	1027	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10072-JAN16	17-Jan-17	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10108-JAN17	24-Jan-17	1000	1019	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10150-JAN17	31-Jan-17	1000	998	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-433-01
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10116-JAN16	19-Jan-16	1000	902	0.0008	0.00043	0.0322	0.00015	0.0001	0.000011	0.000393	0.00834	< 0.002
1	CA10131-JAN16	26-Jan-16	1000	1000	0.0012	0.00040	0.0141	0.00009	< 0.00005	0.000006	0.000681	0.0117	< 0.002
2	CA10014-FEB16	02-Feb-16	1000	1000	0.0012	0.00020	0.00660	0.00012	< 0.00005	0.000009	0.000430	0.0159	< 0.002
3	CA10056-FEB16	09-Feb-16	1000	993	0.0011	0.00018	0.00501	0.00250	0.00007	< 0.000005	0.000377	0.0150	< 0.002
4	CA10097-FEB16	16-Feb-16	1000	998	0.0007	0.00008	0.00452	0.00012	< 0.00005	< 0.000005	0.000457	0.0101	< 0.002
5	CA10141-FEB16	23-Feb-16	1000	988	0.0007	0.00012	0.00410	0.00020	< 0.00005	< 0.000005	0.000328	0.0114	< 0.002
6	CA10010-MAR16	01-Mar-16	1000	983	---	---	---	---	---	---	---	---	---
7	CA10047-MAR16	08-Mar-16	1000	998	---	---	---	---	---	---	---	---	---
8	CA10084-MAR16	15-Mar-16	1000	995	---	---	---	---	---	---	---	---	---
9	CA10128-MAR16	22-Mar-16	1000	991	---	---	---	---	---	---	---	---	---
10	CA10164-MAR16	29-Mar-16	1000	992	0.0004	0.00005	0.00949	0.00039	< 0.00005	< 0.000005	0.000161	0.00666	< 0.002
11	CA10010-APR16	04-Apr-16	1000	1000	---	---	---	---	---	---	---	---	---
12	CA10047-APR16	12-Apr-16	1000	994	---	---	---	---	---	---	---	---	---
13	CA10089-APR16	19-Apr-16	1000	949	---	---	---	---	---	---	---	---	---
14	CA10120-APR16	26-Apr-16	1000	966	---	---	---	---	---	---	---	---	---
15	CA10009-MAY16	03-May-16	1000	950	0.0005	< 0.00004	0.00669	< 0.00001	0.00012	0.000005	0.000104	0.00586	< 0.002
16	CA10047-MAY16	10-May-16	1000	980	---	---	---	---	---	---	---	---	---
17	CA10088-MAY16	17-May-16	1000	954	---	---	---	---	---	---	---	---	---
18	CA10123-MAY16	24-May-16	1000	960	---	---	---	---	---	---	---	---	---
19	CA10165-MAY16	31-May-16	1000	967	---	---	---	---	---	---	---	---	---
20	CA10023-JUN16	07-Jun-16	1000	979	0.0007	0.00015	0.00610	0.00007	0.00009	0.000006	0.000073	0.00293	<0.002
21	CA10054-JUN16	14-Jun-16	1000	1004	---	---	---	---	---	---	---	---	---
22	CA10085-JUN16	21-Jun-16	1000	948	---	---	---	---	---	---	---	---	---
23	CA10122-JUN16	28-Jun-16	1000	983	---	---	---	---	---	---	---	---	---
24	CA10011-JUL16	05-Jul-16	1000	1005	---	---	---	---	---	---	---	---	---
25	CA10048-JUL16	12-Jul-16	1000	991	0.0003	0.00004	0.00621	0.00003	< 0.00005	< 0.000005	0.000065	0.00226	< 0.002
26	CA10085-JUL16	19-Jul-16	1000	1007	---	---	---	---	---	---	---	---	---
27	CA10118-JUL16	26-Jul-16	1000	986	---	---	---	---	---	---	---	---	---
28	CA10015-AUG16	02-Aug-16	1000	999	---	---	---	---	---	---	---	---	---
29	CA10049-AUG16	09-Aug-16	1000	1003	---	---	---	---	---	---	---	---	---
30	CA10085-AUG16	16-Aug-16	1000	993	0.0004	< 0.00004	0.00615	0.00008	< 0.00005	< 0.000005	0.000056	0.00256	< 0.002
31	CA10121-AUG16	23-Aug-16	1000	1001	---	---	---	---	---	---	---	---	---
32	CA10156-AUG16	30-Aug-16	1000	1004	---	---	---	---	---	---	---	---	---
33	CA10009-SEP16	06-Sep-16	1000	1006	---	---	---	---	---	---	---	---	---
34	CA10045-SEP16	13-Sep-16	1000	1004	---	---	---	---	---	---	---	---	---
35	CA10086-SEP16	20-Sep-16	1000	994	0.0004	< 0.00004	0.00534	0.00003	< 0.00005	< 0.000005	0.000052	0.00216	< 0.002
36	CA10121-SEP16	27-Sep-16	1000	988	---	---	---	---	---	---	---	---	---
37	CA10023-OCT16	04-Oct-16	1000	990	---	---	---	---	---	---	---	---	---
38	CA10044-OCT16	11-Oct-16	1000	995	---	---	---	---	---	---	---	---	---
39	CA10079-OCT16	18-Oct-16	1000	968	---	---	---	---	---	---	---	---	---
40	CA10114-OCT16	25-Oct-16	1000	989	0.0003	< 0.00004	0.00566	0.00002	< 0.00005	< 0.000005	0.000042	0.00185	< 0.002
41	CA10006-NOV16	01-Nov-16	1000	986	---	---	---	---	---	---	---	---	---
42	CA10041-NOV16	08-Nov-16	1000	976	---	---	---	---	---	---	---	---	---
43	CA10075-NOV16	15-Nov-16	1000	1010	---	---	---	---	---	---	---	---	---
44	CA10108-NOV16	22-Nov-16	1000	1002	---	---	---	---	---	---	---	---	---
45	CA10151-NOV16	29-Nov-16	1000	990	0.0003	0.00006	0.00552	0.00019	< 0.00005	< 0.000005	0.000016	0.00135	< 0.002
46	CA10006-DEC16	06-Dec-16	1000	1002	---	---	---	---	---	---	---	---	---
47	CA10037-DEC16	13-Dec-16	1000	1010	---	---	---	---	---	---	---	---	---
48	CA10069-DEC16	20-Dec-16	1000	1011	---	---	---	---	---	---	---	---	---
49	CA10100-DEC16	28-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---
50	CA10006-JAN16	03-Jan-17	1000	925	0.0003	0.00008	0.00331	0.00025	< 0.00005	< 0.000005	0.000098	0.00171	< 0.002
51	CA10038-JAN16	10-Jan-17	1000	1027	---	---	---	---	---	---	---	---	---
52	CA10072-JAN16	17-Jan-17	1000	1002	---	---	---	---	---	---	---	---	---
53	CA10108-JAN17	24-Jan-17	1000	1019	---	---	---	---	---	---	---	---	---
54	CA10150-JAN17	31-Jan-17	1000	998	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-433-01
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
55	CA10027-FEB17	07-Feb-17	1000	959	6.42	2	< 2	47	15	4.01	< 1	< 0.06	< 0.00001	< 0.00005
56	CA10071-FEB17	14-Feb-17	1000	995	6.44	< 2	< 2	55	19	4.65	---	---	---	---
57	CA10108-FEB17	21-Feb-17	1000	996	6.45	< 2	< 2	56	17	4.37	---	---	---	---
58	CA10147-FEB17	28-Feb-17	1000	1004	6.52	< 2	2	57	17	4.47	---	---	---	---
59	CA10027-MAR17	07-Mar-17	1000	998	6.43	2	< 2	52	15	4.27	---	---	---	---
60	CA10063-MAR17	14-Mar-17	1000	972	6.44	< 2	< 2	52	16	4.43	< 1	< 0.06	< 0.00001	< 0.00005
61	CA10102-MAR17	21-Mar-17	1000	1005	6.38	< 2	< 2	56	19	4.85				
62	CA10138-MAR17	28-Mar-17	1000	996	6.21	3	< 2	50	15	4.17	---	---	---	---
63	CA10008-APR17	04-Apr-17	1000	1014	6.13	2	< 2	50	17	4.68	---	---	---	---
64	CA10045-APR17	11-Apr-17	1000	997	6.19	2	< 2	50	16	4.13	---	---	---	---
65	CA10082-APR17	18-Apr-17	1000	1027	6.44	< 2	2	52	16	4.49	< 1	< 0.06	< 0.00001	< 0.00005
66	CA10119-APR17	25-Apr-17	1000	980	6.43	< 2	2	48	14	3.84	---	---	---	---
67	CA10007-MAY17	02-May-17	1000	997	5.81	< 2	< 2	51	16	4.04	---	---	---	---
68	CA10045-MAY17	09-May-17	1000	998	6.26	< 2	< 2	49	16	4.39	---	---	---	---
69	CA10081-MAY17	16-May-17	1000	1007	6.44	< 2	< 2	48	16	4.29	---	---	---	---
70	CA10117-MAY17	23-May-17	1000	983	6.46	< 2	< 2	51	16	4.20	< 1	< 0.06	< 0.00001	< 0.00005
71	CA10153-MAY17	30-May-17	1000	1006	6.50	< 2	2	45	14	3.91	---	---	---	---
72	CA10007-JUN17	06-Jun-17	1000	1015	6.43	< 2	2	45	13	3.79	---	---	---	---
73	CA10048-JUN17	13-Jun-17	1000	1011	6.19	< 2	< 2	46	14	3.71	---	---	---	---
On hold					---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-433-01
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	As3+	As5+	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L
55	CA10027-FEB17	07-Feb-17	1000	959	0.001	0.0224	---	---	0.00176	< 0.000007	0.013	< 0.000007	0.000012	0.000794
56	CA10071-FEB17	14-Feb-17	1000	995	---	---	---	---	---	---	---	---	---	---
57	CA10108-FEB17	21-Feb-17	1000	996	---	---	---	---	---	---	---	---	---	---
58	CA10147-FEB17	28-Feb-17	1000	1004	---	---	---	---	---	---	---	---	---	---
59	CA10027-MAR17	07-Mar-17	1000	998	---	---	---	---	---	---	---	---	---	---
60	CA10063-MAR17	14-Mar-17	1000	972	0.003	0.0203	---	---	0.00171	< 0.000007	0.019	< 0.000007	0.000013	0.00102
61	CA10102-MAR17	21-Mar-17	1000	1005			---	---						
62	CA10138-MAR17	28-Mar-17	1000	996	---	---	---	---	---	---	---	---	---	---
63	CA10008-APR17	04-Apr-17	1000	1014	---	---	---	---	---	---	---	---	---	---
64	CA10045-APR17	11-Apr-17	1000	997	---	---	---	---	---	---	---	---	---	---
65	CA10082-APR17	18-Apr-17	1000	1027	< 0.001	0.0159	---	---	0.00159	< 0.000007	0.018	< 0.000007	< 0.000003	0.000804
66	CA10119-APR17	25-Apr-17	1000	980	---	---	---	---	---	---	---	---	---	---
67	CA10007-MAY17	02-May-17	1000	997	---	0.0174	0.0057	0.0082	---	---	---	---	---	---
68	CA10045-MAY17	09-May-17	1000	998	---	0.0181	0.0061	0.0108	---	---	---	---	---	---
69	CA10081-MAY17	16-May-17	1000	1007	---	---	---	---	---	---	---	---	---	---
70	CA10117-MAY17	23-May-17	1000	983	< 0.001	0.0163	---	---	0.00193	< 0.000007	0.018	< 0.000007	0.000016	0.00135
71	CA10153-MAY17	30-May-17	1000	1006	---	---	---	---	---	---	---	---	---	---
72	CA10007-JUN17	06-Jun-17	1000	1015	---	---	---	---	---	---	---	---	---	---
73	CA10048-JUN17	13-Jun-17	1000	1011	---	---	---	---	---	---	---	---	---	---
On hold					---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-433-01
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
55	CA10027-FEB17	07-Feb-17	1000	959	0.00006	0.00012	0.047	3.91	0.0003	0.778	0.137	0.00124	0.08	0.0067	< 0.003	< 0.00001
56	CA10071-FEB17	14-Feb-17	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10108-FEB17	21-Feb-17	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10147-FEB17	28-Feb-17	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10027-MAR17	07-Mar-17	1000	998	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10063-MAR17	14-Mar-17	1000	972	< 0.00003	0.00007	0.031	3.89	0.0004	0.929	0.198	0.00053	0.19	0.0091	< 0.003	0.00002
61	CA10102-MAR17	21-Mar-17	1000	1005												
62	CA10138-MAR17	28-Mar-17	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10008-APR17	04-Apr-17	1000	1014	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10045-APR17	11-Apr-17	1000	997	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10082-APR17	18-Apr-17	1000	1027	< 0.00003	0.00026	0.012	3.27	0.0005	0.938	0.186	0.00036	0.16	0.0086	< 0.003	0.00004
66	CA10119-APR17	25-Apr-17	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10007-MAY17	02-May-17	1000	997	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10045-MAY17	09-May-17	1000	998	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10081-MAY17	16-May-17	1000	1007	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10117-MAY17	23-May-17	1000	983	0.00004	0.00008	0.012	3.18	0.0004	0.839	0.200	0.00073	0.08	0.0123	< 0.003	0.00001
71	CA10153-MAY17	30-May-17	1000	1006	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10007-JUN17	06-Jun-17	1000	1015	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10048-JUN17	13-Jun-17	1000	1011	---	---	---	---	---	---	---	---	---	---	---	---
On hold					---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-433-01
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
55	CA10027-FEB17	07-Feb-17	1000	959	< 0.0002	0.00008	0.00627	0.00007	< 0.00005	< 0.000005	0.000017	0.00071	< 0.002
56	CA10071-FEB17	14-Feb-17	1000	995	---	---	---	---	---	---	---	---	---
57	CA10108-FEB17	21-Feb-17	1000	996	---	---	---	---	---	---	---	---	---
58	CA10147-FEB17	28-Feb-17	1000	1004	---	---	---	---	---	---	---	---	---
59	CA10027-MAR17	07-Mar-17	1000	998	---	---	---	---	---	---	---	---	---
60	CA10063-MAR17	14-Mar-17	1000	972	< 0.0002	0.00005	0.00716	0.00009	< 0.00005	< 0.000005	0.000013	0.00055	< 0.002
61	CA10102-MAR17	21-Mar-17	1000	1005									
62	CA10138-MAR17	28-Mar-17	1000	996	---	---	---	---	---	---	---	---	---
63	CA10008-APR17	04-Apr-17	1000	1014	---	---	---	---	---	---	---	---	---
64	CA10045-APR17	11-Apr-17	1000	997	---	---	---	---	---	---	---	---	---
65	CA10082-APR17	18-Apr-17	1000	1027	0.0002	0.00010	0.00691	0.00026	< 0.00005	< 0.000005	0.000006	0.00036	< 0.002
66	CA10119-APR17	25-Apr-17	1000	980	---	---	---	---	---	---	---	---	---
67	CA10007-MAY17	02-May-17	1000	997	---	---	---	---	---	---	---	---	---
68	CA10045-MAY17	09-May-17	1000	998	---	---	---	---	---	---	---	---	---
69	CA10081-MAY17	16-May-17	1000	1007	---	---	---	---	---	---	---	---	---
70	CA10117-MAY17	23-May-17	1000	983	0.0003	0.00011	0.00746	0.00005	< 0.00005	< 0.000005	0.000014	0.00037	< 0.002
71	CA10153-MAY17	30-May-17	1000	1006	---	---	---	---	---	---	---	---	---
72	CA10007-JUN17	06-Jun-17	1000	1015	---	---	---	---	---	---	---	---	---
73	CA10048-JUN17	13-Jun-17	1000	1011	---	---	---	---	---	---	---	---	---
On hold					---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ15-481-05
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10116-JAN16	19-Jan-16	1000	904	8.62	< 2	24	73	3	2.97	8	< 0.06	< 0.00001	0.000016
1	CA10131-JAN16	26-Jan-16	1000	924	8.16	< 2	17	61	2	2.29	6	< 0.06	< 0.00001	0.000133
2	CA10014-FEB16	02-Feb-16	1000	934	7.95	< 2	17	54	2	2.41	5	< 0.06	< 0.00001	0.000104
3	CA10056-FEB16	09-Feb-16	1000	933	8.03	< 2	15	49	2	2.43	4	< 0.06	< 0.00001	0.000054
4	CA10097-FEB16	16-Feb-16	1000	1014	7.81	< 2	16	48	2	2.80	3	< 0.06	< 0.00001	0.000025
5	CA10141-FEB16	23-Feb-16	1000	1011	7.51	< 2	14	40	3	3.36	1	< 0.06	< 0.00001	0.000008
6	CA10010-MAR16	01-Mar-16	1000	936	7.89	< 2	12	38	3	3.05	---	---	---	---
7	CA10047-MAR16	08-Mar-16	1000	969	7.86	< 2	11	40	3	3.92	---	---	---	---
8	CA10084-MAR16	15-Mar-16	1000	970	7.69	< 2	11	38	3	3.60	---	---	---	---
9	CA10128-MAR16	22-Mar-16	1000	948	7.67	< 2	10	37	3	3.49	---	---	---	---
10	CA10164-MAR16	29-Mar-16	1000	1011	7.51	< 2	10	49	7	4.37	2	< 0.06	< 0.00001	0.000036
11	CA10010-APR16	04-Apr-16	1000	963	7.74	< 2	11	35	3	3.70	---	---	---	---
12	CA10047-APR16	12-Apr-16	1000	983	7.47	< 2	6	46	6	4.69	---	---	---	---
13	CA10089-APR16	19-Apr-16	1000	975	7.38	< 2	9	46	5	4.78	---	---	---	---
14	CA10120-APR16	26-Apr-16	1000	979	7.83	< 2	10	49	6	5.06	---	---	---	---
15	CA10009-MAY16	03-May-16	1000	976	7.56	< 2	9	54	6	5.50	6	< 0.06	< 0.00001	0.000102
16	CA10047-MAY16	10-May-16	1000	976	7.69	< 2	10	53	7	5.77	---	---	---	---
17	CA10088-MAY16	17-May-16	1000	997	7.46	< 2	10	52	9	5.55	---	---	---	---
18	CA10123-MAY16	24-May-16	1000	1001	7.76	< 2	11	41	6	4.15	---	---	---	---
19	CA10165-MAY16	31-May-16	1000	1000	7.59	< 2	9	36	5	4.00	---	---	---	---
20	CA10023-JUN16	07-Jun-16	1000	969	7.41	< 2	8	25	3	3.05	< 1	< 0.06	< 0.00001	0.000062
21	CA10054-JUN16	14-Jun-16	1000	1014	7.48	< 2	11	44	4	5.18	---	---	---	---
22	CA10085-JUN16	21-Jun-16	1000	973	7.46	3	8	48	6	5.46	---	---	---	---
23	CA10122-JUN16	28-Jun-16	1000	978	7.35	3	8	48	5	5.92	---	---	---	---
24	CA10011-JUL16	05-Jul-16	1000	968	7.65	4	8	49	6	5.32	---	---	---	---
25	CA10048-JUL16	12-Jul-16	1000	982	7.19	3	8	52	7	6.47	6	< 0.06	< 0.00001	0.000078
26	CA10085-JUL16	19-Jul-16	1000	961	7.36	3	9	43	5	5.60	---	---	---	---
27	CA10118-JUL16	26-Jul-16	1000	963	7.43	2	8	51	6	6.12	---	---	---	---
28	CA10015-AUG16	02-Aug-16	1000	1029	7.29	< 2	8	61	9	7.08	---	---	---	---
29	CA10049-AUG16	09-Aug-16	1000	957	7.21	< 2	8	38	4	4.59	---	---	---	---
30	CA10085-AUG16	16-Aug-16	1000	948	7.23	3	7	45	5	5.27	5	< 0.06	< 0.00001	0.000062
31	CA10121-AUG16	23-Aug-16	1000	957	7.40	4	8	51	7	6.12	---	---	---	---
32	CA10156-AUG16	30-Aug-16	1000	948	7.09	3	8	50	7	6.30	---	---	---	---
33	CA10009-SEP16	06-Sep-16	1000	934	7.48	2	8	46	6	5.28	---	---	---	---
34	CA10045-SEP16	13-Sep-16	1000	952	7.18	5	11	56	8	6.65	---	---	---	---
35	CA10086-SEP16	20-Sep-16	1000	957	7.28	4	7	70	8	6.72	5	< 0.06	< 0.00001	0.000074
36	CA10121-SEP16	27-Sep-16	1000	949	7.06	8	8	55	9	7.23	---	---	---	---
37	CA10023-OCT16	04-Oct-16	1000	952	7.29	4	8	59	8	8.16	---	---	---	---
38	CA10044-OCT16	11-Oct-16	1000	948	7.22	8	8	62	10	7.67	---	---	---	---
39	CA10079-OCT16	18-Oct-16	1000	950	7.14	8	7	56	10	7.53	---	---	---	---
40	CA10114-OCT16	25-Oct-16	1000	965	7.01	11	7	64	11	8.13	7	< 0.06	< 0.00001	0.000050
41	CA10006-NOV16	01-Nov-16	1000	970	7.19	10	6	73	12	8.62	---	---	---	---
42	CA10041-NOV16	08-Nov-16	1000	999	7.22	10	8	70	12	8.89	---	---	---	---
43	CA10075-NOV16	15-Nov-16	1000	1029	7.03	13	8	75	13	9.99	---	---	---	---
44	CA10108-NOV16	22-Nov-16	1000	1029	7.02	16	9	78	13	9.95	---	---	---	---
45	CA10151-NOV16	29-Nov-16	1000	1005	7.08	12	7	73	14	9.49	10	< 0.06	< 0.00001	0.000037
46	CA10006-DEC16	06-Dec-16	1000	1023	7.24	13	8	81	15	10.3	---	---	---	---
47	CA10037-DEC16	13-Dec-16	1000	1037	7.13	12	8	81	16	10.6	---	---	---	---
48	CA10069-DEC16	20-Dec-16	1000	1026	7.11	12	7	80	16	10.4	---	---	---	---
49	CA10100-DEC16	28-Dec-16	1000	1035	7.32	13	9	91	19	13.9	---	---	---	---
50	CA10006-JAN16	03-Jan-17	1000	934	7.08	3	8	50	7	7.14	4	< 0.06	< 0.00001	< 0.00005
51	CA10038-JAN16	10-Jan-17	1000	1033	7.14	26	8	110	25	15.3	---	---	---	---
52	CA10072-JAN16	17-Jan-17	1000	1029	7.20	14	13	89	21	14.1	---	---	---	---
53	CA10108-JAN17	24-Jan-17	1000	1027	7.15	12	7	86	18	11.5	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ15-481-05
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	As3+	As5+	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L
0	CA10116-JAN16	19-Jan-16	1000	904	0.079	0.463	---	---	0.00087	< 0.000007	0.047	0.000008	< 0.000003	0.00015
1	CA10131-JAN16	26-Jan-16	1000	924	0.073	0.437	---	---	0.00073	< 0.000007	0.037	< 0.000007	< 0.000003	0.000022
2	CA10014-FEB16	02-Feb-16	1000	934	0.075	0.264	---	---	0.00081	< 0.000007	0.030	< 0.000007	< 0.000003	0.000024
3	CA10056-FEB16	09-Feb-16	1000	933	0.092	0.212	---	---	0.00082	< 0.000007	0.024	0.000008	< 0.000003	0.000018
4	CA10097-FEB16	16-Feb-16	1000	1014	0.042	0.149	---	---	0.00118	< 0.000007	0.020	0.000007	< 0.000003	0.000026
5	CA10141-FEB16	23-Feb-16	1000	1011	0.058	0.139	---	---	0.00143	< 0.000007	0.021	< 0.000007	< 0.000003	0.000034
6	CA10010-MAR16	01-Mar-16	1000	936	---	---	---	---	---	---	---	---	---	---
7	CA10047-MAR16	08-Mar-16	1000	969	---	---	---	---	---	---	---	---	---	---
8	CA10084-MAR16	15-Mar-16	1000	970	---	---	---	---	---	---	---	---	---	---
9	CA10128-MAR16	22-Mar-16	1000	948	---	---	---	---	---	---	---	---	---	---
10	CA10164-MAR16	29-Mar-16	1000	1011	0.043	0.0719	---	---	0.00262	< 0.000007	0.015	< 0.000007	0.000006	0.000031
11	CA10010-APR16	04-Apr-16	1000	963	---	---	---	---	---	---	---	---	---	---
12	CA10047-APR16	12-Apr-16	1000	983	---	---	---	---	---	---	---	---	---	---
13	CA10089-APR16	19-Apr-16	1000	975	---	---	---	---	---	---	---	---	---	---
14	CA10120-APR16	26-Apr-16	1000	979	---	---	---	---	---	---	---	---	---	---
15	CA10009-MAY16	03-May-16	1000	976	0.050	0.0621	---	---	0.00361	< 0.000007	0.007	0.000037	< 0.000003	0.000038
16	CA10047-MAY16	10-May-16	1000	976	---	---	---	---	---	---	---	---	---	---
17	CA10088-MAY16	17-May-16	1000	997	---	---	---	---	---	---	---	---	---	---
18	CA10123-MAY16	24-May-16	1000	1001	---	---	---	---	---	---	---	---	---	---
19	CA10165-MAY16	31-May-16	1000	1000	---	---	---	---	---	---	---	---	---	---
20	CA10023-JUN16	07-Jun-16	1000	969	0.051	0.0763	---	---	0.00135	< 0.000007	0.004	< 0.000007	< 0.000003	0.000022
21	CA10054-JUN16	14-Jun-16	1000	1014	---	---	---	---	---	---	---	---	---	---
22	CA10085-JUN16	21-Jun-16	1000	973	---	---	---	---	---	---	---	---	---	---
23	CA10122-JUN16	28-Jun-16	1000	978	---	---	---	---	---	---	---	---	---	---
24	CA10011-JUL16	05-Jul-16	1000	968	---	---	---	---	---	---	---	---	---	---
25	CA10048-JUL16	12-Jul-16	1000	982	0.035	0.0533	---	---	0.00422	< 0.000007	0.005	0.000022	< 0.000003	0.000043
26	CA10085-JUL16	19-Jul-16	1000	961	---	---	---	---	---	---	---	---	---	---
27	CA10118-JUL16	26-Jul-16	1000	963	---	---	---	---	---	---	---	---	---	---
28	CA10015-AUG16	02-Aug-16	1000	1029	---	---	---	---	---	---	---	---	---	---
29	CA10049-AUG16	09-Aug-16	1000	957	---	---	---	---	---	---	---	---	---	---
30	CA10085-AUG16	16-Aug-16	1000	948	0.041	0.0424	---	---	0.00322	< 0.000007	0.002	< 0.000007	< 0.000003	0.000032
31	CA10121-AUG16	23-Aug-16	1000	957	---	---	---	---	---	---	---	---	---	---
32	CA10156-AUG16	30-Aug-16	1000	948	---	---	---	---	---	---	---	---	---	---
33	CA10009-SEP16	06-Sep-16	1000	934	---	---	---	---	---	---	---	---	---	---
34	CA10045-SEP16	13-Sep-16	1000	952	---	---	---	---	---	---	---	---	---	---
35	CA10086-SEP16	20-Sep-16	1000	957	0.030	0.0298	---	---	0.00447	< 0.000007	0.004	0.000007	< 0.000003	0.000050
36	CA10121-SEP16	27-Sep-16	1000	949	---	---	---	---	---	---	---	---	---	---
37	CA10023-OCT16	04-Oct-16	1000	952	---	---	---	---	---	---	---	---	---	---
38	CA10044-OCT16	11-Oct-16	1000	948	---	---	---	---	---	---	---	---	---	---
39	CA10079-OCT16	18-Oct-16	1000	950	---	---	---	---	---	---	---	---	---	---
40	CA10114-OCT16	25-Oct-16	1000	965	0.025	0.0235	---	---	0.00557	0.000009	0.002	0.000010	< 0.000003	0.000077
41	CA10006-NOV16	01-Nov-16	1000	970	---	---	---	---	---	---	---	---	---	---
42	CA10041-NOV16	08-Nov-16	1000	999	---	---	---	---	---	---	---	---	---	---
43	CA10075-NOV16	15-Nov-16	1000	1029	---	---	---	---	---	---	---	---	---	---
44	CA10108-NOV16	22-Nov-16	1000	1029	---	---	---	---	---	---	---	---	---	---
45	CA10151-NOV16	29-Nov-16	1000	1005	0.016	0.0329	---	---	0.00768	< 0.000007	0.002	< 0.000007	0.000006	0.000204
46	CA10006-DEC16	06-Dec-16	1000	1023	---	---	---	---	---	---	---	---	---	---
47	CA10037-DEC16	13-Dec-16	1000	1037	---	---	---	---	---	---	---	---	---	---
48	CA10069-DEC16	20-Dec-16	1000	1026	---	---	---	---	---	---	---	---	---	---
49	CA10100-DEC16	28-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---	---
50	CA10006-JAN16	03-Jan-17	1000	934	0.026	0.0422	---	---	0.00443	< 0.000007	0.013	< 0.000007	< 0.000003	0.000184
51	CA10038-JAN16	10-Jan-17	1000	1033	---	---	---	---	---	---	---	---	---	---
52	CA10072-JAN16	17-Jan-17	1000	1029	---	---	---	---	---	---	---	---	---	---
53	CA10108-JAN17	24-Jan-17	1000	1027	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ15-481-05
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10116-JAN16	19-Jan-16	1000	904	0.00034	0.00024	0.026	3.92	0.000516	0.205	0.0104	0.00462	9.37	0.0015	< 0.003	0.00002
1	CA10131-JAN16	26-Jan-16	1000	924	0.00009	0.00040	0.011	2.64	0.000562	0.188	0.0146	0.00899	7.33	0.0007	< 0.003	0.00001
2	CA10014-FEB16	02-Feb-16	1000	934	0.00007	0.00047	< 0.007	2.50	0.000582	0.178	0.0170	0.00184	5.72	0.0004	< 0.003	< 0.00001
3	CA10056-FEB16	09-Feb-16	1000	933	0.00007	0.00043	< 0.007	2.58	0.000673	0.201	0.0147	0.00104	4.87	0.0002	< 0.003	< 0.00001
4	CA10097-FEB16	16-Feb-16	1000	1014	< 0.00003	0.00013	< 0.007	2.53	0.000617	0.251	0.0240	0.00111	4.48	0.0005	< 0.003	< 0.00001
5	CA10141-FEB16	23-Feb-16	1000	1011	< 0.00003	0.00030	< 0.007	2.62	0.000848	0.279	0.0263	0.00079	3.68	0.0005	< 0.003	< 0.00001
6	CA10010-MAR16	01-Mar-16	1000	936	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10047-MAR16	08-Mar-16	1000	969	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10084-MAR16	15-Mar-16	1000	970	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10128-MAR16	22-Mar-16	1000	948	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10164-MAR16	29-Mar-16	1000	1011	< 0.00003	0.00018	< 0.007	2.99	0.000947	0.362	0.0318	0.00175	2.14	0.0007	< 0.003	< 0.00001
11	CA10010-APR16	04-Apr-16	1000	963	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10047-APR16	12-Apr-16	1000	983	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10089-APR16	19-Apr-16	1000	975	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10120-APR16	26-Apr-16	1000	979	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10009-MAY16	03-May-16	1000	976	< 0.00003	0.00017	< 0.007	3.29	0.000963	0.432	0.0318	0.00071	1.28	0.0006	< 0.003	< 0.00001
16	CA10047-MAY16	10-May-16	1000	976	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10088-MAY16	17-May-16	1000	997	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10123-MAY16	24-May-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10165-MAY16	31-May-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10023-JUN16	07-Jun-16	1000	969	0.00013	0.00010	< 0.007	2.04	0.000566	0.175	0.0187	0.00051	0.52	0.0004	< 0.003	< 0.00001
21	CA10054-JUN16	14-Jun-16	1000	1014	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10085-JUN16	21-Jun-16	1000	973	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10122-JUN16	28-Jun-16	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10011-JUL16	05-Jul-16	1000	968	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10048-JUL16	12-Jul-16	1000	982	< 0.00003	0.00027	0.011	3.08	0.000868	0.342	0.0387	0.00061	0.60	0.0008	< 0.003	0.00002
26	CA10085-JUL16	19-Jul-16	1000	961	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10118-JUL16	26-Jul-16	1000	963	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10015-AUG16	02-Aug-16	1000	1029	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10049-AUG16	09-Aug-16	1000	957	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10085-AUG16	16-Aug-16	1000	948	< 0.00003	0.00030	0.012	2.71	0.000824	0.283	0.0329	0.00011	0.38	0.0007	< 0.003	< 0.00001
31	CA10121-AUG16	23-Aug-16	1000	957	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10156-AUG16	30-Aug-16	1000	948	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10009-SEP16	06-Sep-16	1000	934	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10045-SEP16	13-Sep-16	1000	952	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10086-SEP16	20-Sep-16	1000	957	< 0.00003	0.00019	0.012	2.99	0.0009	0.308	0.0497	0.00014	0.34	0.0011	< 0.003	< 0.00001
36	CA10121-SEP16	27-Sep-16	1000	949	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10023-OCT16	04-Oct-16	1000	952	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10044-OCT16	11-Oct-16	1000	948	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10079-OCT16	18-Oct-16	1000	950	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10114-OCT16	25-Oct-16	1000	965	0.00084	0.00038	0.011	3.14	0.0009	0.337	0.0694	0.00010	0.33	0.0023	< 0.003	< 0.00001
41	CA10006-NOV16	01-Nov-16	1000	970	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10041-NOV16	08-Nov-16	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10075-NOV16	15-Nov-16	1000	1029	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10108-NOV16	22-Nov-16	1000	1029	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10151-NOV16	29-Nov-16	1000	1005	< 0.00003	0.00045	< 0.007	3.25	0.0009	0.374	0.0827	0.00025	0.32	0.0049	< 0.003	0.00002
46	CA10006-DEC16	06-Dec-16	1000	1023	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10037-DEC16	13-Dec-16	1000	1037	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10069-DEC16	20-Dec-16	1000	1026	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10100-DEC16	28-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10006-JAN16	03-Jan-17	1000	934	0.00018	0.00264	0.045	3.55	0.0011	0.192	0.0498	0.00009	0.20	0.0049	< 0.003	0.00003
51	CA10038-JAN16	10-Jan-17	1000	1033	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10072-JAN16	17-Jan-17	1000	1029	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10108-JAN17	24-Jan-17	1000	1027	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ15-481-05
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10116-JAN16	19-Jan-16	1000	904	0.0099	0.00018	0.0256	0.0002	0.00046	< 0.000005	0.000026	0.00175	< 0.002
1	CA10131-JAN16	26-Jan-16	1000	924	0.0065	0.00018	0.0192	0.00013	0.00014	< 0.000005	0.000085	0.00160	< 0.002
2	CA10014-FEB16	02-Feb-16	1000	934	0.0048	0.00024	0.0194	0.00014	0.00008	< 0.000005	0.000043	0.00120	< 0.002
3	CA10056-FEB16	09-Feb-16	1000	933	0.0040	0.00015	0.0192	0.00017	0.00015	< 0.000005	0.000038	0.00109	< 0.002
4	CA10097-FEB16	16-Feb-16	1000	1014	0.0058	0.00006	0.0235	0.00017	< 0.00005	< 0.000005	0.000063	0.00065	< 0.002
5	CA10141-FEB16	23-Feb-16	1000	1011	0.0047	0.00009	0.0234	0.00015	0.00005	< 0.000005	0.000085	0.00060	< 0.002
6	CA10010-MAR16	01-Mar-16	1000	936	---	---	---	---	---	---	---	---	---
7	CA10047-MAR16	08-Mar-16	1000	969	---	---	---	---	---	---	---	---	---
8	CA10084-MAR16	15-Mar-16	1000	970	---	---	---	---	---	---	---	---	---
9	CA10128-MAR16	22-Mar-16	1000	948	---	---	---	---	---	---	---	---	---
10	CA10164-MAR16	29-Mar-16	1000	1011	0.0027	0.00007	0.0308	0.00058	< 0.00005	< 0.000005	0.000096	0.00033	< 0.002
11	CA10010-APR16	04-Apr-16	1000	963	---	---	---	---	---	---	---	---	---
12	CA10047-APR16	12-Apr-16	1000	983	---	---	---	---	---	---	---	---	---
13	CA10089-APR16	19-Apr-16	1000	975	---	---	---	---	---	---	---	---	---
14	CA10120-APR16	26-Apr-16	1000	979	---	---	---	---	---	---	---	---	---
15	CA10009-MAY16	03-May-16	1000	976	0.0017	< 0.00004	0.0311	0.00002	0.00008	< 0.000005	0.000047	0.00029	< 0.002
16	CA10047-MAY16	10-May-16	1000	976	---	---	---	---	---	---	---	---	---
17	CA10088-MAY16	17-May-16	1000	997	---	---	---	---	---	---	---	---	---
18	CA10123-MAY16	24-May-16	1000	1001	---	---	---	---	---	---	---	---	---
19	CA10165-MAY16	31-May-16	1000	1000	---	---	---	---	---	---	---	---	---
20	CA10023-JUN16	07-Jun-16	1000	969	0.0018	0.00015	0.0133	0.00008	0.00018	< 0.000005	0.000034	0.00029	< 0.002
21	CA10054-JUN16	14-Jun-16	1000	1014	---	---	---	---	---	---	---	---	---
22	CA10085-JUN16	21-Jun-16	1000	973	---	---	---	---	---	---	---	---	---
23	CA10122-JUN16	28-Jun-16	1000	978	---	---	---	---	---	---	---	---	---
24	CA10011-JUL16	05-Jul-16	1000	968	---	---	---	---	---	---	---	---	---
25	CA10048-JUL16	12-Jul-16	1000	982	0.0014	0.00007	0.0241	0.00009	< 0.00005	< 0.000005	0.000031	0.00015	< 0.002
26	CA10085-JUL16	19-Jul-16	1000	961	---	---	---	---	---	---	---	---	---
27	CA10118-JUL16	26-Jul-16	1000	963	---	---	---	---	---	---	---	---	---
28	CA10015-AUG16	02-Aug-16	1000	1029	---	---	---	---	---	---	---	---	---
29	CA10049-AUG16	09-Aug-16	1000	957	---	---	---	---	---	---	---	---	---
30	CA10085-AUG16	16-Aug-16	1000	948	0.0011	0.00005	0.0173	0.00018	< 0.00005	< 0.000005	0.000019	0.00014	< 0.002
31	CA10121-AUG16	23-Aug-16	1000	957	---	---	---	---	---	---	---	---	---
32	CA10156-AUG16	30-Aug-16	1000	948	---	---	---	---	---	---	---	---	---
33	CA10009-SEP16	06-Sep-16	1000	934	---	---	---	---	---	---	---	---	---
34	CA10045-SEP16	13-Sep-16	1000	952	---	---	---	---	---	---	---	---	---
35	CA10086-SEP16	20-Sep-16	1000	957	0.0009	0.00010	0.0192	0.00003	< 0.00005	< 0.000005	0.000018	0.00008	< 0.002
36	CA10121-SEP16	27-Sep-16	1000	949	---	---	---	---	---	---	---	---	---
37	CA10023-OCT16	04-Oct-16	1000	952	---	---	---	---	---	---	---	---	---
38	CA10044-OCT16	11-Oct-16	1000	948	---	---	---	---	---	---	---	---	---
39	CA10079-OCT16	18-Oct-16	1000	950	---	---	---	---	---	---	---	---	---
40	CA10114-OCT16	25-Oct-16	1000	965	0.0008	0.00007	0.0207	0.00006	< 0.00005	< 0.000005	0.000018	0.00008	< 0.002
41	CA10006-NOV16	01-Nov-16	1000	970	---	---	---	---	---	---	---	---	---
42	CA10041-NOV16	08-Nov-16	1000	999	---	---	---	---	---	---	---	---	---
43	CA10075-NOV16	15-Nov-16	1000	1029	---	---	---	---	---	---	---	---	---
44	CA10108-NOV16	22-Nov-16	1000	1029	---	---	---	---	---	---	---	---	---
45	CA10151-NOV16	29-Nov-16	1000	1005	0.0007	0.00008	0.0219	0.00031	0.00005	< 0.000005	0.000008	0.00005	< 0.002
46	CA10006-DEC16	06-Dec-16	1000	1023	---	---	---	---	---	---	---	---	---
47	CA10037-DEC16	13-Dec-16	1000	1037	---	---	---	---	---	---	---	---	---
48	CA10069-DEC16	20-Dec-16	1000	1026	---	---	---	---	---	---	---	---	---
49	CA10100-DEC16	28-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---
50	CA10006-JAN16	03-Jan-17	1000	934	0.0008	0.00009	0.0143	0.00022	< 0.00005	< 0.000005	0.000024	0.00006	0.003
51	CA10038-JAN16	10-Jan-17	1000	1033	---	---	---	---	---	---	---	---	---
52	CA10072-JAN16	17-Jan-17	1000	1029	---	---	---	---	---	---	---	---	---
53	CA10108-JAN17	24-Jan-17	1000	1027	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ15-481-05
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
54	CA10150-JAN17	31-Jan-17	1000	1025	6.95	10	7	79	17	10.9	---	---	---	---
55	CA10027-FEB17	07-Feb-17	1000	972	7.00	11	5	69	15	9.43	8	< 0.06	< 0.00001	0.00007
56	CA10071-FEB17	14-Feb-17	1000	981	7.03	13	6	77	18	10.4	---	---	---	---
57	CA10108-FEB17	21-Feb-17	1000	999	6.99	11	6	80	18	10.3	---	---	---	---
58	CA10147-FEB17	28-Feb-17	1000	996	7.15	9	7	83	17	10.7	---	---	---	---
59	CA10027-MAR17	07-Mar-17	1000	989	6.90	11	5	79	17	10.1	---	---	---	---
60	CA10063-MAR17	14-Mar-17	1000	1010	7.10	10	5	74	17	9.81	7	< 0.06	< 0.00001	< 0.00005
61	CA10102-MAR17	21-Mar-17	1000	1011	7.03	11	6	85	21	11.6				
62	CA10138-MAR17	28-Mar-17	1000	1005	7.07	11	6	81	18	11.1	---	---	---	---
63	CA10008-APR17	04-Apr-17	1000	999	6.81	13	5	77	19	11.3	---	---	---	---
64	CA10045-APR17	11-Apr-17	1000	1002	6.92	13	5	85	20	11.8	---	---	---	---
65	CA10082-APR17	18-Apr-17	1000	996	6.99	9	6	74	17	9.77	7	< 0.06	< 0.00001	0.00011
66	CA10119-APR17	25-Apr-17	1000	1024	7.10	9	8	89	20	11.4	---	---	---	---
67	CA10007-MAY17	02-May-17	1000	1026	7.09	8	8	81	18	9.72	---	---	---	---
68	CA10045-MAY17	09-May-17	1000	972	6.78	8	6	66	15	9.42	---	---	---	---
69	CA10081-MAY17	16-May-17	1000	984	7.05	10	6	76	18	10.1	---	---	---	---
70	CA10117-MAY17	23-May-17	1000	945	7.03	9	5	80	19	10.1	7	< 0.06	< 0.00001	< 0.00005
71	CA10153-MAY17	30-May-17	1000	963	7.09	7	6	77	19	10.2	---	---	---	---
72	CA10007-JUN17	06-Jun-17	1000	980	7.00	11	5	74	18	10.2	---	---	---	---
73	CA10048-JUN17	13-Jun-17	1000	990	7.05	7	7	76	18	9.85	---	---	---	---
Oh hold	0	00-Jan-00	1000	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ15-481-05
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	As3+	As5+	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L
54	CA10150-JAN17	31-Jan-17	1000	1025	---	---	---	---	---	---	---	---	---	---
55	CA10027-FEB17	07-Feb-17	1000	972	0.007	0.0166	---	---	0.00784	< 0.000007	< 0.002	< 0.000007	0.000007	0.000380
56	CA10071-FEB17	14-Feb-17	1000	981	---	---	---	---	---	---	---	---	---	---
57	CA10108-FEB17	21-Feb-17	1000	999	---	---	---	---	---	---	---	---	---	---
58	CA10147-FEB17	28-Feb-17	1000	996	---	---	---	---	---	---	---	---	---	---
59	CA10027-MAR17	07-Mar-17	1000	989	---	---	---	---	---	---	---	---	---	---
60	CA10063-MAR17	14-Mar-17	1000	1010	0.007	0.0143	---	---	0.00809	< 0.000007	0.005	< 0.000007	0.000007	0.000386
61	CA10102-MAR17	21-Mar-17	1000	1011			---	---						
62	CA10138-MAR17	28-Mar-17	1000	1005	---	---	---	---	---	---	---	---	---	---
63	CA10008-APR17	04-Apr-17	1000	999	---	---	---	---	---	---	---	---	---	---
64	CA10045-APR17	11-Apr-17	1000	1002	---	---	---	---	---	---	---	---	---	---
65	CA10082-APR17	18-Apr-17	1000	996	0.007	0.0135	---	---	0.00743	< 0.000007	0.002	< 0.000007	0.000005	0.000483
66	CA10119-APR17	25-Apr-17	1000	1024	---	---	---	---	---	---	---	---	---	---
67	CA10007-MAY17	02-May-17	1000	1026	---	0.0133	0.0064	0.0070	---	---	---	---	---	---
68	CA10045-MAY17	09-May-17	1000	972	---	0.0143	0.0078	0.0048	---	---	---	---	---	---
69	CA10081-MAY17	16-May-17	1000	984	---	---	---	---	---	---	---	---	---	---
70	CA10117-MAY17	23-May-17	1000	945	0.005	0.0112	---	---	0.00755	< 0.000007	< 0.002	< 0.000007	0.000013	0.000406
71	CA10153-MAY17	30-May-17	1000	963	---	---	---	---	---	---	---	---	---	---
72	CA10007-JUN17	06-Jun-17	1000	980	---	---	---	---	---	---	---	---	---	---
73	CA10048-JUN17	13-Jun-17	1000	990	---	---	---	---	---	---	---	---	---	---
Oh hold	0	00-Jan-00	1000	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ15-481-05
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
54	CA10150-JAN17	31-Jan-17	1000	1025	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10027-FEB17	07-Feb-17	1000	972	0.00006	0.00025	0.030	2.97	0.0010	0.299	0.0974	0.00013	0.16	0.0088	< 0.003	< 0.00001
56	CA10071-FEB17	14-Feb-17	1000	981	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10108-FEB17	21-Feb-17	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10147-FEB17	28-Feb-17	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10027-MAR17	07-Mar-17	1000	989	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10063-MAR17	14-Mar-17	1000	1010	< 0.00003	0.00004	0.117	3.13	0.0009	0.308	0.112	0.00003	0.26	0.0097	0.008	0.00002
61	CA10102-MAR17	21-Mar-17	1000	1011												
62	CA10138-MAR17	28-Mar-17	1000	1005	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10008-APR17	04-Apr-17	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10045-APR17	11-Apr-17	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10082-APR17	18-Apr-17	1000	996	< 0.00003	0.0207	0.120	2.97	0.0012	0.303	0.110	0.00002	0.21	0.0104	< 0.003	0.00011
66	CA10119-APR17	25-Apr-17	1000	1024	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10007-MAY17	02-May-17	1000	1026	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10045-MAY17	09-May-17	1000	972	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10081-MAY17	16-May-17	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10117-MAY17	23-May-17	1000	945	< 0.00003	0.00039	0.134	3.14	0.0010	0.310	0.121	0.00013	0.14	0.0110	< 0.003	< 0.00001
71	CA10153-MAY17	30-May-17	1000	963	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10007-JUN17	06-Jun-17	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10048-JUN17	13-Jun-17	1000	990	---	---	---	---	---	---	---	---	---	---	---	---
Oh hold	0	00-Jan-00	1000	---	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ15-481-05
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
54	CA10150-JAN17	31-Jan-17	1000	1025	---	---	---	---	---	---	---	---	---
55	CA10027-FEB17	07-Feb-17	1000	972	0.0005	0.00007	0.0183	0.00017	< 0.00005	< 0.000005	0.000008	0.00002	< 0.002
56	CA10071-FEB17	14-Feb-17	1000	981	---	---	---	---	---	---	---	---	---
57	CA10108-FEB17	21-Feb-17	1000	999	---	---	---	---	---	---	---	---	---
58	CA10147-FEB17	28-Feb-17	1000	996	---	---	---	---	---	---	---	---	---
59	CA10027-MAR17	07-Mar-17	1000	989	---	---	---	---	---	---	---	---	---
60	CA10063-MAR17	14-Mar-17	1000	1010	0.0004	0.00007	0.0194	0.00039	< 0.00005	< 0.000005	0.000008	0.00003	< 0.002
61	CA10102-MAR17	21-Mar-17	1000	1011									
62	CA10138-MAR17	28-Mar-17	1000	1005	---	---	---	---	---	---	---	---	---
63	CA10008-APR17	04-Apr-17	1000	999	---	---	---	---	---	---	---	---	---
64	CA10045-APR17	11-Apr-17	1000	1002	---	---	---	---	---	---	---	---	---
65	CA10082-APR17	18-Apr-17	1000	996	0.0004	0.00011	0.0185	0.00030	< 0.00005	0.000058	0.000022	0.00002	0.004
66	CA10119-APR17	25-Apr-17	1000	1024	---	---	---	---	---	---	---	---	---
67	CA10007-MAY17	02-May-17	1000	1026	---	---	---	---	---	---	---	---	---
68	CA10045-MAY17	09-May-17	1000	972	---	---	---	---	---	---	---	---	---
69	CA10081-MAY17	16-May-17	1000	984	---	---	---	---	---	---	---	---	---
70	CA10117-MAY17	23-May-17	1000	945	0.0005	0.00008	0.0206	0.00008	< 0.00005	0.000006	0.000049	0.00002	< 0.002
71	CA10153-MAY17	30-May-17	1000	963	---	---	---	---	---	---	---	---	---
72	CA10007-JUN17	06-Jun-17	1000	980	---	---	---	---	---	---	---	---	---
73	CA10048-JUN17	13-Jun-17	1000	990	---	---	---	---	---	---	---	---	---
Oh hold	0	00-Jan-00	1000	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	936	7.29	< 2	6	85	21	2.79	2	< 0.06	< 0.00001	0.000007
1	CA10057-SEP15	09-Sep-15	1000	980	6.79	2	4	68	18	2.92	2	< 0.06	< 0.00001	0.000015
2	CA10100-SEP15	16-Sep-15	1000	986	6.72	2	3	42	11	1.45	1	< 0.06	< 0.00001	0.000004
3	CA10135-SEP15	23-Sep-15	1000	987	7.07	3	3	34	8	1.07	< 1	< 0.06	< 0.00001	< 0.000002
4	CA10168-SEP15	30-Sep-15	1000	1004	7.04	< 2	3	31	7	0.86	< 1	< 0.06	< 0.00001	0.000005
5	CA10023-OCT15	07-Oct-15	1000	989	6.99	< 2	4	28	6	0.82	< 1	< 0.06	< 0.00001	0.000005
6	CA10061-OCT15	14-Oct-15	1000	1014	6.92	< 2	3	27	6	0.89	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1006	6.80	< 2	4	29	6	1.14	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1014	7.06	< 2	4	24	5	0.97	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1001	6.90	< 2	3	19	4	0.65	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1007	6.53	< 2	2	18	5	0.79	< 1	< 0.06	< 0.00001	0.000002
11	CA10082-NOV15	18-Nov-15	1000	977	6.70	2	2	23	5	0.96	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	961	6.57	2	2	24	6	1.06	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	964	6.63	< 2	2	25	7	1.28	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	978	6.50	2	< 2	27	8	1.40	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	976	6.20	3	< 2	29	8	1.36	< 1	< 0.06	< 0.00001	< 0.000002
16	CA10129-DEC15	23-Dec-15	1000	978	6.43	< 2	< 2	26	7	1.30	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	984	6.29	3	2	28	8	1.22	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	979	6.15	3	< 2	22	6	1.13	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	979	6.41	< 2	2	26	7	1.31	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	981	6.18	2	< 2	29	8	1.28	< 1	< 0.06	< 0.00001	< 0.000002
21	CA10145-JAN16	27-Jan-16	1000	995	6.44	< 2	< 2	28	8	1.30	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1003	6.37	< 2	< 2	26	7	1.08	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1010	6.42	2	< 2	27	8	1.12	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1008	6.59	< 2	2	33	8	1.81	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1005	6.45	4	2	22	5	1.01	< 1	< 0.06	< 0.00001	< 0.000002
26	CA10024-MAR16	02-Mar-16	1000	1002	6.33	< 2	< 2	22	6	0.96	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	979	6.26	4	< 2	26	7	1.30	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	985	6.21	4	< 2	24	7	1.13	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	1010	6.09	3	< 2	21	6	1.08	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	974	6.11	3	< 2	20	6	0.97	< 1	< 0.06	< 0.00001	< 0.000002
31	CA10021-APR16	06-Apr-16	1000	1013	5.96	3	< 2	20	6	1.01	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	995	5.98	3	< 2	26	7	1.26	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1012	5.71	3	< 2	23	6	1.21	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	1009	6.29	2	< 2	23	6	1.10	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	998	5.80	< 2	< 2	22	6	1.12	< 1	< 0.06	< 0.00001	< 0.000002
36	CA10058-MAY16	11-May-16	1000	972	6.31	3	< 2	23	6	1.15	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	987	5.65	3	< 2	28	8	1.36	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	993	5.88	3	< 2	26	8	1.38	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	983	5.94	3	< 2	24	7	1.32	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	978	5.66	3	< 2	26	7	1.39	1	< 0.06	< 0.00001	0.000064
41	CA10066-JUN16	15-Jun-16	1000	986	5.26	4	< 2	23	6	1.25	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	977	6.28	2	< 2	28	8	1.54	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	988	5.91	< 2	< 2	29	8	1.60	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	988	6.24	< 2	< 2	22	6	1.24	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	996	6.13	< 2	< 2	20	6	1.25	< 1	< 0.06	< 0.00001	< 0.000002
46	CA10099-JUL16	20-Jul-16	1000	998	6.28	< 2	< 2	20	5	1.20	---	---	---	---
47	CA10133-JUL16	27-Jul-16	1000	984	6.04	2	< 2	19	5	1.13	---	---	---	---
48	CA10030-AUG16	03-Aug-16	1000	1016	6.36	< 2	< 2	18	5	1.03	---	---	---	---
49	CA10065-AUG16	10-Aug-16	1000	991	6.38	2	2	21	5	1.33	---	---	---	---
50	CA10100-AUG16	17-Aug-16	1000	974	6.22	3	< 2	15	4	0.80	< 1	< 0.06	< 0.00001	0.000003
51	CA10136-AUG16	24-Aug-16	1000	1013	5.98	4	< 2	19	5	1.15	---	---	---	---
52	CA10172-AUG16	31-Aug-16	1000	992	5.98	3	< 2	18	4	0.96	---	---	---	---
53	CA10025-SEP16	07-Sep-16	1000	972	5.62	3	< 2	19	5	1.09	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	As3+	As5+	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	936	0.01	0.003	---	---	0.00438	< 0.000007	0.0068	< 0.000007	0.000006	0.000119
1	CA10057-SEP15	09-Sep-15	1000	980	0.010	0.0030	---	---	0.00377	< 0.000007	0.0083	0.000007	< 0.000003	0.000119
2	CA10100-SEP15	16-Sep-15	1000	986	0.009	0.0028	---	---	0.00204	< 0.000007	0.0079	< 0.000007	0.000005	0.000099
3	CA10135-SEP15	23-Sep-15	1000	987	0.012	0.0039	---	---	0.00155	< 0.000007	0.0079	< 0.000007	< 0.000003	0.000072
4	CA10168-SEP15	30-Sep-15	1000	1004	0.010	0.0033	---	---	0.00121	< 0.000007	0.0063	< 0.000007	< 0.000003	0.000089
5	CA10023-OCT15	07-Oct-15	1000	989	0.008	0.0032	---	---	0.00111	< 0.000007	0.0064	< 0.000007	< 0.000003	0.000134
6	CA10061-OCT15	14-Oct-15	1000	1014	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1006	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1014	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1001	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1007	0.008	0.0022	---	---	0.00075	0.000009	0.0030	< 0.000007	< 0.000003	0.000197
11	CA10082-NOV15	18-Nov-15	1000	977	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	961	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	964	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	978	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	976	0.003	0.0031	---	---	0.00102	0.000016	0.0067	0.000009	0.000003	0.000754
16	CA10129-DEC15	23-Dec-15	1000	978	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	984	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	979	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	979	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	981	< 0.001	0.0029	---	---	0.00074	0.000017	0.009	< 0.000007	0.000008	0.000917
21	CA10145-JAN16	27-Jan-16	1000	995	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1003	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1010	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1008	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1005	0.003	0.0030	---	---	0.00066	0.000015	0.005	< 0.000007	< 0.000003	0.000686
26	CA10024-MAR16	02-Mar-16	1000	1002	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	979	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	985	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	1010	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	974	0.002	0.0027	---	---	0.00053	0.000034	0.004	< 0.000007	0.000008	0.000935
31	CA10021-APR16	06-Apr-16	1000	1013	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	995	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1012	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	1009	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	998	0.003	0.0031	---	---	0.00062	0.000041	0.006	< 0.000007	0.000008	0.000982
36	CA10058-MAY16	11-May-16	1000	972	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	987	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	993	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	983	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	978	0.005	0.0026	---	---	0.00067	0.000059	0.004	< 0.000007	0.000015	0.00136
41	CA10066-JUN16	15-Jun-16	1000	986	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	977	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	988	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	988	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	996	< 0.001	0.0039	---	---	0.00060	0.000015	0.014	< 0.000007	0.000006	0.000845
46	CA10099-JUL16	20-Jul-16	1000	998	---	---	---	---	---	---	---	---	---	---
47	CA10133-JUL16	27-Jul-16	1000	984	---	---	---	---	---	---	---	---	---	---
48	CA10030-AUG16	03-Aug-16	1000	1016	---	---	---	---	---	---	---	---	---	---
49	CA10065-AUG16	10-Aug-16	1000	991	---	---	---	---	---	---	---	---	---	---
50	CA10100-AUG16	17-Aug-16	1000	974	0.003	0.0026	---	---	0.00041	0.000018	0.004	< 0.000007	0.000004	0.000554
51	CA10136-AUG16	24-Aug-16	1000	1013	---	---	---	---	---	---	---	---	---	---
52	CA10172-AUG16	31-Aug-16	1000	992	---	---	---	---	---	---	---	---	---	---
53	CA10025-SEP16	07-Sep-16	1000	972	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	936	< 0.00003	0.00059	0.013	13.2	0.000238	0.46	0.00949	0.00043	0.65	0.0008	< 0.003	0.00019
1	CA10057-SEP15	09-Sep-15	1000	980	< 0.00003	0.00049	0.011	10.6	0.000269	0.494	0.0102	0.00015	0.62	0.0009	< 0.003	0.00011
2	CA10100-SEP15	16-Sep-15	1000	986	< 0.00003	0.00031	0.009	6.68	0.000228	0.274	0.00751	0.00007	0.40	0.0006	< 0.003	0.00002
3	CA10135-SEP15	23-Sep-15	1000	987	< 0.00003	0.00024	0.010	6.24	0.000176	0.211	0.00662	0.00012	0.33	0.0004	< 0.003	0.00003
4	CA10168-SEP15	30-Sep-15	1000	1004	< 0.00003	0.00024	0.011	5.10	0.000150	0.174	0.00691	0.00007	0.24	0.0004	< 0.003	< 0.00001
5	CA10023-OCT15	07-Oct-15	1000	989	< 0.00003	0.00027	0.010	4.96	0.000179	0.182	0.00900	0.00006	0.22	0.0005	< 0.003	0.00002
6	CA10061-OCT15	14-Oct-15	1000	1014	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1006	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1014	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1007	< 0.00003	0.00017	0.017	3.59	0.000154	0.176	0.0132	0.00004	0.13	0.0005	0.005	< 0.00001
11	CA10082-NOV15	18-Nov-15	1000	977	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	961	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	964	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	976	0.00004	0.00018	0.089	3.73	0.000251	0.425	0.0537	0.00112	0.16	0.0023	< 0.003	< 0.00001
16	CA10129-DEC15	23-Dec-15	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	979	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	979	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	981	< 0.00003	0.00016	0.115	3.32	0.000245	0.456	0.0811	< 0.00001	0.09	0.0026	< 0.003	< 0.00001
21	CA10145-JAN16	27-Jan-16	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1008	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1005	< 0.00003	0.00058	0.093	2.58	0.000193	0.349	0.0702	< 0.00001	0.04	0.0019	< 0.003	< 0.00001
26	CA10024-MAR16	02-Mar-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	979	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	985	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	974	< 0.00003	0.00016	0.212	2.08	0.000205	0.341	0.0908	0.00004	0.03	0.0026	< 0.003	0.00001
31	CA10021-APR16	06-Apr-16	1000	1013	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	1009	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	998	< 0.00003	0.00017	0.250	2.40	0.000247	0.381	0.111	0.00002	0.04	0.0029	< 0.003	0.00002
36	CA10058-MAY16	11-May-16	1000	972	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	987	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	993	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	983	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	978	< 0.00003	0.00064	0.350	2.14	0.000257	0.492	0.145	0.00002	0.04	0.0042	< 0.003	0.00009
41	CA10066-JUN16	15-Jun-16	1000	986	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	977	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	988	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	988	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	996	< 0.00003	0.00020	0.094	1.92	0.000207	0.495	0.118	0.00018	0.04	0.0020	< 0.003	0.00001
46	CA10099-JUL16	20-Jul-16	1000	998	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10133-JUL16	27-Jul-16	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10030-AUG16	03-Aug-16	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10065-AUG16	10-Aug-16	1000	991	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10100-AUG16	17-Aug-16	1000	974	< 0.00003	0.00005	0.113	1.43	0.000158	0.249	0.0675	< 0.00001	0.02	0.0016	< 0.003	< 0.00001
51	CA10136-AUG16	24-Aug-16	1000	1013	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10172-AUG16	31-Aug-16	1000	992	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10025-SEP16	07-Sep-16	1000	972	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn		
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
0	CA10018-SEP15	02-Sep-15	1000	936	0.0006	0.00019	0.00562	0.00117	0.00012	0.000009	0.000069	0.00005	0.004		
1	CA10057-SEP15	09-Sep-15	1000	980	0.0005	0.00012	0.00548	0.00036	0.00009	0.000012	0.000054	0.00005	0.005		
2	CA10100-SEP15	16-Sep-15	1000	986	0.0005	0.00011	0.00259	0.00006	< 0.00005	< 0.000005	0.000049	0.00005	0.003		
3	CA10135-SEP15	23-Sep-15	1000	987	0.0004	0.00008	0.00175	0.00010	< 0.00005	0.000007	0.000092	0.00004	0.002		
4	CA10168-SEP15	30-Sep-15	1000	1004	0.0004	0.00008	0.00138	0.00013	< 0.00005	< 0.000005	0.000062	0.00006	0.002		
5	CA10023-OCT15	07-Oct-15	1000	989	0.0003	0.00007	0.00147	0.00003	< 0.00005	< 0.000005	0.000053	0.00004	< 0.002		
6	CA10061-OCT15	14-Oct-15	1000	1014	---	---	---	---	---	---	---	---	---		
7	CA10093-OCT15	21-Oct-15	1000	1006	---	---	---	---	---	---	---	---	---		
8	CA10141-OCT15	28-Oct-15	1000	1014	---	---	---	---	---	---	---	---	---		
9	CA10021-NOV15	04-Nov-15	1000	1001	---	---	---	---	---	---	---	---	---		
10	CA10051-NOV15	11-Nov-15	1000	1007	0.0003	0.00006	0.00103	0.00004	< 0.00005	0.000005	0.000029	0.00002	< 0.002		
11	CA10082-NOV15	18-Nov-15	1000	977	---	---	---	---	---	---	---	---	---		
12	CA10113-NOV15	25-Nov-15	1000	961	---	---	---	---	---	---	---	---	---		
13	CA10021-DEC15	02-Dec-15	1000	964	---	---	---	---	---	---	---	---	---		
14	CA10056-DEC15	09-Dec-15	1000	978	---	---	---	---	---	---	---	---	---		
15	CA10093-DEC15	16-Dec-15	1000	976	0.0003	0.00009	0.00198	0.00003	< 0.00005	< 0.000005	0.000059	0.00002	0.004		
16	CA10129-DEC15	23-Dec-15	1000	978	---	---	---	---	---	---	---	---	---		
17	CA10162-DEC15	30-Dec-15	1000	984	---	---	---	---	---	---	---	---	---		
18	CA10024-JAN16	06-Jan-16	1000	979	---	---	---	---	---	---	---	---	---		
19	CA10061-JAN16	13-Jan-16	1000	979	---	---	---	---	---	---	---	---	---		
20	CA10102-JAN16	20-Jan-16	1000	981	< 0.0002	0.00006	0.00214	0.00005	< 0.00005	< 0.000005	0.000073	< 0.00001	0.004		
21	CA10145-JAN16	27-Jan-16	1000	995	---	---	---	---	---	---	---	---	---		
22	CA10027-FEB16	03-Feb-16	1000	1003	---	---	---	---	---	---	---	---	---		
23	CA10069-FEB16	10-Feb-16	1000	1010	---	---	---	---	---	---	---	---	---		
24	CA10110-FEB16	17-Feb-16	1000	1008	---	---	---	---	---	---	---	---	---		
25	CA10154-FEB16	24-Feb-16	1000	1005	< 0.0002	0.00004	0.00145	0.00001	< 0.00005	0.000005	0.000038	0.00001	< 0.002		
26	CA10024-MAR16	02-Mar-16	1000	1002	---	---	---	---	---	---	---	---	---		
27	CA10060-MAR16	09-Mar-16	1000	979	---	---	---	---	---	---	---	---	---		
28	CA10097-MAR16	16-Mar-16	1000	985	---	---	---	---	---	---	---	---	---		
29	CA10141-MAR16	23-Mar-16	1000	1010	---	---	---	---	---	---	---	---	---		
30	CA10176-MAR16	30-Mar-16	1000	974	< 0.0002	0.00005	0.00124	0.00002	< 0.00005	< 0.000005	0.000058	< 0.00001	0.003		
31	CA10021-APR16	06-Apr-16	1000	1013	---	---	---	---	---	---	---	---	---		
32	CA10058-APR16	13-Apr-16	1000	995	---	---	---	---	---	---	---	---	---		
33	CA10100-APR16	20-Apr-16	1000	1012	---	---	---	---	---	---	---	---	---		
34	CA10132-APR16	27-Apr-16	1000	1009	---	---	---	---	---	---	---	---	---		
35	CA10021-MAY16	04-May-16	1000	998	< 0.0002	0.00011	0.00142	0.00010	< 0.00005	< 0.000005	0.000047	< 0.00001	0.004		
36	CA10058-MAY16	11-May-16	1000	972	---	---	---	---	---	---	---	---	---		
37	CA10100-MAY16	18-May-16	1000	987	---	---	---	---	---	---	---	---	---		
38	CA10135-MAY16	25-May-16	1000	993	---	---	---	---	---	---	---	---	---		
39	CA10003-JUN16	01-Jun-16	1000	983	---	---	---	---	---	---	---	---	---		
40	CA10035-JUN16	08-Jun-16	1000	978	< 0.0002	0.00007	0.00167	0.00005	< 0.00005	< 0.000005	0.000094	< 0.00001	0.004		
41	CA10066-JUN16	15-Jun-16	1000	986	---	---	---	---	---	---	---	---	---		
42	CA10097-JUN16	22-Jun-16	1000	977	---	---	---	---	---	---	---	---	---		
43	CA10135-JUN16	29-Jun-16	1000	988	---	---	---	---	---	---	---	---	---		
44	CA10025-JUL16	06-Jul-16	1000	988	---	---	---	---	---	---	---	---	---		
45	CA10062-JUL16	13-Jul-16	1000	996	0.0002	0.00022	0.00152	< 0.00001	< 0.00005	< 0.000005	0.000029	< 0.00001	0.002		
46	CA10099-JUL16	20-Jul-16	1000	998	---	---	---	---	---	---	---	---	---		
47	CA10133-JUL16	27-Jul-16	1000	984	---	---	---	---	---	---	---	---	---		
48	CA10030-AUG16	03-Aug-16	1000	1016	---	---	---	---	---	---	---	---	---		
49	CA10065-AUG16	10-Aug-16	1000	991	---	---	---	---	---	---	---	---	---		
50	CA10100-AUG16	17-Aug-16	1000	974	0.0004	0.00011	0.00081	0.00010	< 0.00005	0.000005	0.000023	< 0.00001	0.002		
51	CA10136-AUG16	24-Aug-16	1000	1013	---	---	---	---	---	---	---	---	---		
52	CA10172-AUG16	31-Aug-16	1000	992	---	---	---	---	---	---	---	---	---		
53	CA10025-SEP16	07-Sep-16	1000	972	---	---	---	---	---	---	---	---	---		

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
54	CA10061-SEP16	14-Sep-16	1000	1001	5.80	3	< 2	19	5	0.96	---	---	---	---
55	CA10101-SEP16	21-Sep-16	1000	1014	5.90	2	< 2	25	7	1.28	< 1	< 0.06	< 0.00001	0.000008
56	CA10136-SEP16	28-Sep-16	1000	1020	6.18	3	< 2	25	8	1.42	---	---	---	---
57	CA10003-OCT16	05-Oct-16	1000	1016	5.80	2	< 2	22	6	1.26	---	---	---	---
58	CA10059-OCT16	12-Oct-16	1000	1033	6.17	2	< 2	22	6	1.56	---	---	---	---
59	CA10094-OCT16	19-Oct-16	1000	1024	6.19	2	< 2	17	4	1.35	---	---	---	---
60	CA10129-OCT16	26-Oct-16	1000	1031	6.19	3	< 2	24	6	1.63	< 1	< 0.06	< 0.00001	0.000002
61	CA10021-NOV16	02-Nov-16	1000	1032	6.26	2	< 2	29	7	2.40	---	---	---	---
62	CA10056-NOV16	09-Nov-16	1000	1032	6.24	2	< 2	25	7	1.93	---	---	---	---
63	CA10090-NOV16	16-Nov-16	1000	1032	6.06	2	< 2	28	7	2.27	---	---	---	---
64	CA10123-NOV16	23-Nov-16	1000	1030	5.54	3	< 2	26	7	1.97	---	---	---	---
65	CA10164-NOV16	30-Nov-16	1000	956	5.66	2	< 2	12	3	0.84	< 1	< 0.06	< 0.00001	0.000002
66	CA10019-DEC16	07-Dec-16	1000	1039	5.67	4	< 2	28	7	1.81	---	---	---	---
67	CA10050-DEC16	14-Dec-16	1000	1035	5.98	4	< 2	26	8	1.90	---	---	---	---
68	CA10082-DEC16	21-Dec-16	1000	1042	5.87	3	< 2	24	6	1.48	---	---	---	---
69	CA10113-DEC16	28-Dec-16	1000	1038	6.08	3	< 2	26	8	2.17	---	---	---	---
70	CA10018-JAN17	04-Jan-17	1000	976	5.81	4	< 2	14	4	0.98	< 1	< 0.06	< 0.00001	< 0.00005
71	CA10050-JAN17	11-Jan-17	1000	997	5.34	6	< 2	22	5	1.07	---	---	---	---
72	CA10084-JAN17	18-Jan-17	1000	1032	6.10	4	< 2	29	8	1.72	---	---	---	---
73	CA10120-JAN17	25-Jan-17	1000	1038	5.79	3	< 2	27	8	1.76	---	---	---	---
74	CA10005-FEB17	01-Feb-17	1000	1015	5.59	3	< 2	21	6	1.13	---	---	---	---
75	CA10041-FEB17	08-Feb-17	1000	1008	6.00	4	< 2	23	7	1.16	< 1	< 0.06	< 0.00001	< 0.00005
76	CA10086-FEB17	15-Feb-17	1000	1003	5.88	5	< 2	24	6	1.55	---	---	---	---
77	CA10123-FEB17	22-Feb-17	1000	1001	5.62	5	< 2	25	7	1.17	---	---	---	---
78	CA10006-MAR17	01-Mar-17	1000	1002	5.48	5	< 2	25	7	1.32	---	---	---	---
79	CA10043-MAR17	08-Mar-17	1000	999	5.30	5	< 2	25	7	1.26	---	---	---	---
80	CA10079-MAR17	15-Mar-17	1000	1003	5.67	3	< 2	24	6	1.25	< 1	< 0.06	< 0.00001	< 0.00005
81	CA10118-MAR17	22-Mar-17	1000	1017	5.54	4	< 2	26	7	1.37	---	---	---	---
82	CA10153-MAR17	29-Mar-17	1000	1004	5.39	3	< 2	24	7	1.27	---	---	---	---
83	CA10024-APR17	05-Apr-17	1000	1010	5.31	5	< 2	26	7	1.21	---	---	---	---
84	CA10062-APR17	12-Apr-17	1000	978	5.31	4	< 2	22	6	1.16	---	---	---	---
85	CA10099-APR17	19-Apr-17	1000	1007	5.24	4	< 2	26	7	1.19	< 1	< 0.06	< 0.00001	< 0.00005
86	CA10136-APR17	26-Apr-17	1000	1008	5.18	6	< 2	29	7	1.22	---	---	---	---
87	CA10024-MAY17	03-May-17	1000	1023	5.22	3	< 2	25	7	1.37	---	---	---	---
88	CA10061-MAY17	10-May-17	1000	1006	6.08	3	< 2	22	6	1.00	---	---	---	---
89	CA10097-MAY17	17-May-17	1000	1011	5.35	4	< 2	24	7	1.10	---	---	---	---
90	CA10133-MAY17	24-May-17	1000	1008	4.65	4	< 2	29	7	1.27	< 1	< 0.06	< 0.00001	< 0.00005
91	CA10169-MAY17	31-May-17	1000	1001	5.33	5	< 2	24	6	1.09	---	---	---	---
92	CA10022-JUN17	07-Jun-17	1000	1011	5.40	4	< 2	24	6	1.26	---	---	---	---
93	CA10063-JUN17	14-Jun-17	1000	1008	5.31	2	< 2	23	7	1.01	---	---	---	---
94	CA10094-JUN17	21-Jun-17	1000	1017	5.23	4	< 2	26	7	1.14	---	---	---	---
95	CA10125-JUN17	28-Jun-17	1000	1031	5.55	4	< 2	25	7	1.34	< 1	< 0.06	< 0.00001	< 0.00005
96	---	05-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---
97	---	12-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---
98	---	19-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---
99	---	26-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---
100	CA10011-AUG17	02-Aug-17	1000	1029	5.2	6	< 2	45	15	2.56	1	< 0.06	0.00002	< 0.00005
101	---	09-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---
102	---	16-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---
103	---	23-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---
104	---	30-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---
105	CA10021-SEP17	06-Sep-17	1000	998	5.08	8	< 2	56	18	3.58	< 1	< 0.06	< 0.00001	< 0.00005
106	---	13-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---
107	---	20-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	As3+	As5+	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L
54	CA10061-SEP16	14-Sep-16	1000	1001	---	---	---	---	---	---	---	---	---	---
55	CA10101-SEP16	21-Sep-16	1000	1014	0.005	0.0024	---	---	0.00097	0.000043	0.005	0.000007	0.000011	0.00122
56	CA10136-SEP16	28-Sep-16	1000	1020	---	---	---	---	---	---	---	---	---	---
57	CA10003-OCT16	05-Oct-16	1000	1016	---	---	---	---	---	---	---	---	---	---
58	CA10059-OCT16	12-Oct-16	1000	1033	---	---	---	---	---	---	---	---	---	---
59	CA10094-OCT16	19-Oct-16	1000	1024	---	---	---	---	---	---	---	---	---	---
60	CA10129-OCT16	26-Oct-16	1000	1031	0.004	0.0022	---	---	0.00067	0.000037	0.005	< 0.000007	< 0.000003	0.000699
61	CA10021-NOV16	02-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---	---
62	CA10056-NOV16	09-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---	---
63	CA10090-NOV16	16-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---	---
64	CA10123-NOV16	23-Nov-16	1000	1030	---	---	---	---	---	---	---	---	---	---
65	CA10164-NOV16	30-Nov-16	1000	956	0.003	0.0018	---	---	0.00041	0.000021	0.002	< 0.000007	0.000005	0.000415
66	CA10019-DEC16	07-Dec-16	1000	1039	---	---	---	---	---	---	---	---	---	---
67	CA10050-DEC16	14-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---	---
68	CA10082-DEC16	21-Dec-16	1000	1042	---	---	---	---	---	---	---	---	---	---
69	CA10113-DEC16	28-Dec-16	1000	1038	---	---	---	---	---	---	---	---	---	---
70	CA10018-JAN17	04-Jan-17	1000	976	0.003	0.0015	---	---	0.00053	0.000019	0.024	< 0.000007	0.000003	0.000674
71	CA10050-JAN17	11-Jan-17	1000	997	---	---	---	---	---	---	---	---	---	---
72	CA10084-JAN17	18-Jan-17	1000	1032	---	---	---	---	---	---	---	---	---	---
73	CA10120-JAN17	25-Jan-17	1000	1038	---	---	---	---	---	---	---	---	---	---
74	CA10005-FEB17	01-Feb-17	1000	1015	---	---	---	---	---	---	---	---	---	---
75	CA10041-FEB17	08-Feb-17	1000	1008	0.009	0.0023	---	---	0.00084	0.000052	0.004	< 0.000007	0.000019	0.00110
76	CA10086-FEB17	15-Feb-17	1000	1003	---	---	---	---	---	---	---	---	---	---
77	CA10123-FEB17	22-Feb-17	1000	1001	---	---	---	---	---	---	---	---	---	---
78	CA10006-MAR17	01-Mar-17	1000	1002	---	---	---	---	---	---	---	---	---	---
79	CA10043-MAR17	08-Mar-17	1000	999	---	---	---	---	---	---	---	---	---	---
80	CA10079-MAR17	15-Mar-17	1000	1003	0.009	0.0021	---	---	0.00117	0.000066	0.005	0.000008	0.000014	0.00102
81	CA10118-MAR17	22-Mar-17	1000	1017	---	---	---	---	---	---	---	---	---	---
82	CA10153-MAR17	29-Mar-17	1000	1004	---	---	---	---	---	---	---	---	---	---
83	CA10024-APR17	05-Apr-17	1000	1010	---	---	---	---	---	---	---	---	---	---
84	CA10062-APR17	12-Apr-17	1000	978	---	---	---	---	---	---	---	---	---	---
85	CA10099-APR17	19-Apr-17	1000	1007	0.015	0.0023	---	---	0.00073	0.000073	0.005	< 0.000007	0.000012	0.00122
86	CA10136-APR17	26-Apr-17	1000	1008	---	---	---	---	---	---	---	---	---	---
87	CA10024-MAY17	03-May-17	1000	1023	---	0.0025	<0.0005	0.0028	---	---	---	---	---	---
88	CA10061-MAY17	10-May-17	1000	1006	---	0.0032	<0.0005	<0.0005	---	---	---	---	---	---
89	CA10097-MAY17	17-May-17	1000	1011	---	---	---	---	---	---	---	---	---	---
90	CA10133-MAY17	24-May-17	1000	1008	0.012	0.0021	---	---	0.00085	0.000062	0.006	< 0.000007	0.000029	0.00104
91	CA10169-MAY17	31-May-17	1000	1001	---	---	---	---	---	---	---	---	---	---
92	CA10022-JUN17	07-Jun-17	1000	1011	---	---	---	---	---	---	---	---	---	---
93	CA10063-JUN17	14-Jun-17	1000	1008	---	---	---	---	---	---	---	---	---	---
94	CA10094-JUN17	21-Jun-17	1000	1017	---	---	---	---	---	---	---	---	---	---
95	CA10125-JUN17	28-Jun-17	1000	1031	0.013	0.0020	---	---	0.00088	0.000059	0.012	< 0.000007	0.000007	0.000996
96	---	05-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---
97	---	12-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---
98	---	19-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---
99	---	26-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---
100	CA10011-AUG17	02-Aug-17	1000	1029	0.043	0.0024	---	---	0.00131	0.000104	0.008	< 0.000007	0.000019	0.00219
101	---	09-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---
102	---	16-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---
103	---	23-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---
104	---	30-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---
105	CA10021-SEP17	06-Sep-17	1000	998	0.062	0.0023	---	---	0.00138	0.000139	0.013	< 0.000007	0.000021	0.00261
106	---	13-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---
107	---	20-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
54	CA10061-SEP16	14-Sep-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10101-SEP16	21-Sep-16	1000	1014	< 0.00003	0.00023	0.313	2.21	0.0002	0.468	0.148	0.00009	0.03	0.0033	< 0.003	0.00004
56	CA10136-SEP16	28-Sep-16	1000	1020	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10003-OCT16	05-Oct-16	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10059-OCT16	12-Oct-16	1000	1033	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10094-OCT16	19-Oct-16	1000	1024	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10129-OCT16	26-Oct-16	1000	1031	< 0.00003	0.00037	0.209	1.65	0.0004	0.378	0.115	0.00002	0.03	0.0023	< 0.003	0.00003
61	CA10021-NOV16	02-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10056-NOV16	09-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10090-NOV16	16-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10123-NOV16	23-Nov-16	1000	1030	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10164-NOV16	30-Nov-16	1000	956	< 0.00003	0.00072	0.084	1.29	0.0001	0.158	0.0511	0.00001	0.04	0.0014	< 0.003	0.00001
66	CA10019-DEC16	07-Dec-16	1000	1039	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10050-DEC16	14-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10082-DEC16	21-Dec-16	1000	1042	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10113-DEC16	28-Dec-16	1000	1038	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10018-JAN17	04-Jan-17	1000	976	< 0.00003	0.00034	0.263	1.34	0.0001	0.178	0.0731	0.00001	0.02	0.0030	0.017	0.00002
71	CA10050-JAN17	11-Jan-17	1000	997	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10084-JAN17	18-Jan-17	1000	1032	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10120-JAN17	25-Jan-17	1000	1038	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10005-FEB17	01-Feb-17	1000	1015	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10041-FEB17	08-Feb-17	1000	1008	0.00004	0.00061	0.659	1.66	0.0003	0.378	0.154	0.00001	0.02	0.0038	< 0.003	0.00008
76	CA10086-FEB17	15-Feb-17	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10123-FEB17	22-Feb-17	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10006-MAR17	01-Mar-17	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
79	CA10043-MAR17	08-Mar-17	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10079-MAR17	15-Mar-17	1000	1003	< 0.00003	0.00040	0.575	1.65	0.0003	0.364	0.156	0.00003	0.02	0.0036	< 0.003	0.00025
81	CA10118-MAR17	22-Mar-17	1000	1017	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10153-MAR17	29-Mar-17	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10024-APR17	05-Apr-17	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10062-APR17	12-Apr-17	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10099-APR17	19-Apr-17	1000	1007	< 0.00003	0.00009	0.744	1.80	0.0002	0.420	0.175	0.00002	0.02	0.0050	< 0.003	0.00012
86	CA10136-APR17	26-Apr-17	1000	1008	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10024-MAY17	03-May-17	1000	1023	---	---	---	---	---	---	---	---	---	---	---	---
88	CA10061-MAY17	10-May-17	1000	1006	---	---	---	---	---	---	---	---	---	---	---	---
89	CA10097-MAY17	17-May-17	1000	1011	---	---	---	---	---	---	---	---	---	---	---	---
90	CA10133-MAY17	24-May-17	1000	1008	0.00008	0.00076	0.662	1.69	0.0003	0.419	0.172	< 0.00001	0.04	0.0039	< 0.003	0.00012
91	CA10169-MAY17	31-May-17	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
92	CA10022-JUN17	07-Jun-17	1000	1011	---	---	---	---	---	---	---	---	---	---	---	---
93	CA10063-JUN17	14-Jun-17	1000	1008	---	---	---	---	---	---	---	---	---	---	---	---
94	CA10094-JUN17	21-Jun-17	1000	1017	---	---	---	---	---	---	---	---	---	---	---	---
95	CA10125-JUN17	28-Jun-17	1000	1031	0.00005	0.00057	0.591	1.66	0.0003	0.467	0.187	0.00002	0.05	0.0039	< 0.003	0.00010
96	---	05-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
97	---	12-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
98	---	19-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
99	---	26-Jul-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
100	CA10011-AUG17	02-Aug-17	1000	1029	0.00005	0.00211	1.48	2.34	0.0005	0.88	0.368	< 0.00001	0.03	0.0087	< 0.003	0.00016
101	---	09-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
102	---	16-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
103	---	23-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
104	---	30-Aug-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
105	CA10021-SEP17	06-Sep-17	1000	998	0.00008	0.00111	1.60	2.65	0.0006	1.10	0.451	< 0.00001	0.10	0.0103	0.005	0.00013
106	---	13-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
107	---	20-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn		
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
54	CA10061-SEP16	14-Sep-16	1000	1001	---	---	---	---	---	---	---	---	---		
55	CA10101-SEP16	21-Sep-16	1000	1014	< 0.0002	0.00008	0.00165	0.00004	< 0.00005	0.000016	0.000059	< 0.00001	0.003		
56	CA10136-SEP16	28-Sep-16	1000	1020	---	---	---	---	---	---	---	---	---		
57	CA10003-OCT16	05-Oct-16	1000	1016	---	---	---	---	---	---	---	---	---		
58	CA10059-OCT16	12-Oct-16	1000	1033	---	---	---	---	---	---	---	---	---		
59	CA10094-OCT16	19-Oct-16	1000	1024	---	---	---	---	---	---	---	---	---		
60	CA10129-OCT16	26-Oct-16	1000	1031	< 0.0002	0.00005	0.00161	0.00019	< 0.00005	< 0.000005	0.000054	< 0.00001	< 0.002		
61	CA10021-NOV16	02-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---		
62	CA10056-NOV16	09-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---		
63	CA10090-NOV16	16-Nov-16	1000	1032	---	---	---	---	---	---	---	---	---		
64	CA10123-NOV16	23-Nov-16	1000	1030	---	---	---	---	---	---	---	---	---		
65	CA10164-NOV16	30-Nov-16	1000	956	< 0.0002	< 0.00004	0.00088	0.00016	< 0.00005	< 0.000005	0.000019	< 0.00001	< 0.002		
66	CA10019-DEC16	07-Dec-16	1000	1039	---	---	---	---	---	---	---	---	---		
67	CA10050-DEC16	14-Dec-16	1000	1035	---	---	---	---	---	---	---	---	---		
68	CA10082-DEC16	21-Dec-16	1000	1042	---	---	---	---	---	---	---	---	---		
69	CA10113-DEC16	28-Dec-16	1000	1038	---	---	---	---	---	---	---	---	---		
70	CA10018-JAN17	04-Jan-17	1000	976	< 0.0002	< 0.00004	0.00091	0.00031	< 0.00005	< 0.000005	0.000032	< 0.00001	< 0.002		
71	CA10050-JAN17	11-Jan-17	1000	997	---	---	---	---	---	---	---	---	---		
72	CA10084-JAN17	18-Jan-17	1000	1032	---	---	---	---	---	---	---	---	---		
73	CA10120-JAN17	25-Jan-17	1000	1038	---	---	---	---	---	---	---	---	---		
74	CA10005-FEB17	01-Feb-17	1000	1015	---	---	---	---	---	---	---	---	---		
75	CA10041-FEB17	08-Feb-17	1000	1008	< 0.0002	0.00005	0.00128	0.00032	0.00008	< 0.000005	0.000073	< 0.00001	0.003		
76	CA10086-FEB17	15-Feb-17	1000	1003	---	---	---	---	---	---	---	---	---		
77	CA10123-FEB17	22-Feb-17	1000	1001	---	---	---	---	---	---	---	---	---		
78	CA10006-MAR17	01-Mar-17	1000	1002	---	---	---	---	---	---	---	---	---		
79	CA10043-MAR17	08-Mar-17	1000	999	---	---	---	---	---	---	---	---	---		
80	CA10079-MAR17	15-Mar-17	1000	1003	< 0.0002	0.00005	0.00133	0.00020	< 0.00005	< 0.000005	0.000071	< 0.00001	0.004		
81	CA10118-MAR17	22-Mar-17	1000	1017	---	---	---	---	---	---	---	---	---		
82	CA10153-MAR17	29-Mar-17	1000	1004	---	---	---	---	---	---	---	---	---		
83	CA10024-APR17	05-Apr-17	1000	1010	---	---	---	---	---	---	---	---	---		
84	CA10062-APR17	12-Apr-17	1000	978	---	---	---	---	---	---	---	---	---		
85	CA10099-APR17	19-Apr-17	1000	1007	< 0.0002	0.00011	0.00129	0.00014	0.00008	0.000034	0.000105	< 0.00001	0.004		
86	CA10136-APR17	26-Apr-17	1000	1008	---	---	---	---	---	---	---	---	---		
87	CA10024-MAY17	03-May-17	1000	1023	---	---	---	---	---	---	---	---	---		
88	CA10061-MAY17	10-May-17	1000	1006	---	---	---	---	---	---	---	---	---		
89	CA10097-MAY17	17-May-17	1000	1011	---	---	---	---	---	---	---	---	---		
90	CA10133-MAY17	24-May-17	1000	1008	< 0.0002	0.00005	0.00156	0.00020	< 0.00005	0.000006	0.000096	< 0.00001	0.004		
91	CA10169-MAY17	31-May-17	1000	1001	---	---	---	---	---	---	---	---	---		
92	CA10022-JUN17	07-Jun-17	1000	1011	---	---	---	---	---	---	---	---	---		
93	CA10063-JUN17	14-Jun-17	1000	1008	---	---	---	---	---	---	---	---	---		
94	CA10094-JUN17	21-Jun-17	1000	1017	---	---	---	---	---	---	---	---	---		
95	CA10125-JUN17	28-Jun-17	1000	1031	< 0.0002	0.00008	0.00139	0.00014	< 0.00005	0.000010	0.000078	< 0.00001	0.003		
96	---	05-Jul-17	1000	---	---	---	---	---	---	---	---	---	---		
97	---	12-Jul-17	1000	---	---	---	---	---	---	---	---	---	---		
98	---	19-Jul-17	1000	---	---	---	---	---	---	---	---	---	---		
99	---	26-Jul-17	1000	---	---	---	---	---	---	---	---	---	---		
100	CA10011-AUG17	02-Aug-17	1000	1029	< 0.0002	0.0001	0.00256	0.00019	< 0.00005	< 0.000005	0.000165	< 0.00001	0.006		
101	---	09-Aug-17	1000	---	---	---	---	---	---	---	---	---	---		
102	---	16-Aug-17	1000	---	---	---	---	---	---	---	---	---	---		
103	---	23-Aug-17	1000	---	---	---	---	---	---	---	---	---	---		
104	---	30-Aug-17	1000	---	---	---	---	---	---	---	---	---	---		
105	CA10021-SEP17	06-Sep-17	1000	998	< 0.0002	0.00008	0.00332	0.00016	< 0.00005	0.000006	0.000217	< 0.00001	0.007		
106	---	13-Sep-17	1000	---	---	---	---	---	---	---	---	---	---		
107	---	20-Sep-17	1000	---	---	---	---	---	---	---	---	---	---		

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
108	---	27-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---
109	---	04-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---
110	CA10037-OCT17	11-Oct-17	1000	976	5.01	8	< 2	65	23	3.83	1	< 0.06	< 0.00001	< 0.00005
111	---	18-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---
112	---	25-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---
113	---	01-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---
114	---	08-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---
115	CA10079-NOV17	15-Nov-17	1000	993	5.08	7	< 2	77	27	5.91	< 1	< 0.06	0.00001	< 0.00005
116	---	22-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---
117	---	29-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---
118	---	06-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---
119	---	13-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---
120	CA10217-DEC17	20-Dec-17	1000	985	4.89	8	< 2	50	16	2.37	< 1	< 0.06	< 0.00001	< 0.00005
121	---	27-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---
122	---	03-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---
123	---	10-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---
124	---	17-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---
125	CA10263-JAN18	24-Jan-18	1000	994	4.88	13	< 2	97	34	5.5	1	< 0.06	< 0.00001	< 0.00005
126	---	31-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---
127	---	07-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---
128	---	14-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---
129	---	21-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---
130	CA10252-FEB18	28-Feb-18	1000	972	4.65	12	< 2	59	21	2.06	1	< 0.06	< 0.00001	< 0.00005
131	---	07-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---
132	---	14-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---
133	---	21-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---
134	---	28-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---
135	CA10018-APR18	04-Apr-18	1000	992	4.83	11	< 2	69	22	2.24	1	< 0.06	0.00002	< 0.00005
136	---	11-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---
137	---	18-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---
138	---	25-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---
139	---	02-May-18	1000	---	---	---	---	---	---	---	---	---	---	---
140	CA10095-MAY18	09-May-18	1000	966	5.08	6	< 2	50	16	1.92	1	< 0.06	< 0.00001	< 0.00005
141	---	16-May-18	1000	---	---	---	---	---	---	---	---	---	---	---
142	---	23-May-18	1000	---	---	---	---	---	---	---	---	---	---	---
143	---	30-May-18	1000	---	---	---	---	---	---	---	---	---	---	---
144	---	06-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---
145	CA10085-JUN18	13-Jun-18	1000	988	4.79	6	< 2	48	15	2.12	< 1	< 0.06	< 0.00001	< 0.00005
146	---	20-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---
147	---	27-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---
148	---	04-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---
149	---	11-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---
150	CA10094-JUL18	18-Jul-18	1000	966	4.59	8	< 2	51	13	1.77	< 1	< 0.06	0.00004	< 0.00005
151	---	25-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---
152	---	01-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---
153	---	08-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---
154	---	15-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---
155	CA10222-AUG18	22-Aug-18	1000	954	4.49	12	< 2	54	14	2.05	< 1	< 0.06	0.00001	< 0.00005
156	---	29-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---
157	---	05-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---
158	---	12-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---
159	---	19-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---
160	CA10259-SEP18	26-Sep-18	1000	975	4.85	7	< 2	88	30	5.46	1	< 0.06	< 0.00001	< 0.00005
161	---	03-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	As3+	As5+	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L
108	---	27-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---
109	---	04-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---
110	CA10037-OCT17	11-Oct-17	1000	976	0.047	0.0032	---	---	0.00120	0.000103	0.011	0.000007	0.000047	0.00313
111	---	18-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---
112	---	25-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---
113	---	01-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---
114	---	08-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---
115	CA10079-NOV17	15-Nov-17	1000	993	0.035	0.0035	---	---	0.00125	0.000120	0.386	0.000033	0.000022	0.00317
116	---	22-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---
117	---	29-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---
118	---	06-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---
119	---	13-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---
120	CA10217-DEC17	20-Dec-17	1000	985	0.068	0.0027	---	---	0.00121	0.000159	0.011	< 0.000007	0.000178	0.00232
121	---	27-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---
122	---	03-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---
123	---	10-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---
124	---	17-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---
125	CA10263-JAN18	24-Jan-18	1000	994	0.111	0.0036	---	---	0.00361	0.000261	0.025	< 0.000007	0.000075	0.00547
126	---	31-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---
127	---	07-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---
128	---	14-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---
129	---	21-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---
130	CA10252-FEB18	28-Feb-18	1000	972	0.097	0.0030	---	---	0.00085	0.000226	0.018	< 0.000007	0.000087	0.00331
131	---	07-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---
132	---	14-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---
133	---	21-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---
134	---	28-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---
135	CA10018-APR18	04-Apr-18	1000	992	0.125	0.0031	---	---	0.00092	0.000223	0.011	< 0.000007	0.000037	0.00469
136	---	11-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---
137	---	18-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---
138	---	25-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---
139	---	02-May-18	1000	---	---	---	---	---	---	---	---	---	---	---
140	CA10095-MAY18	09-May-18	1000	966	0.064	0.0036	---	---	0.00049	0.000204	0.008	< 0.000007	0.000030	0.00289
141	---	16-May-18	1000	---	---	---	---	---	---	---	---	---	---	---
142	---	23-May-18	1000	---	---	---	---	---	---	---	---	---	---	---
143	---	30-May-18	1000	---	---	---	---	---	---	---	---	---	---	---
144	---	06-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---
145	CA10085-JUN18	13-Jun-18	1000	988	0.035	0.0041	---	---	0.00075	0.000144	0.008	< 0.000007	0.000020	0.00216
146	---	20-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---
147	---	27-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---
148	---	04-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---
149	---	11-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---
150	CA10094-JUL18	18-Jul-18	1000	966	0.075	0.0034	---	---	0.00032	0.000150	0.026	< 0.000007	0.000026	0.00227
151	---	25-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---
152	---	01-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---
153	---	08-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---
154	---	15-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---
155	CA10222-AUG18	22-Aug-18	1000	954	0.075	0.0038	---	---	0.00051	0.000177	0.389	< 0.000007	0.000018	0.002243
156	---	29-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---
157	---	05-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---
158	---	12-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---
159	---	19-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---
160	CA10259-SEP18	26-Sep-18	1000	975	0.045	0.0046	---	---	0.00064	0.000191	0.019	< 0.000007	0.000040	0.00389
161	---	03-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
108	---	27-Sep-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
109	---	04-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
110	CA10037-OCT17	11-Oct-17	1000	976	0.00033	0.00137	2.08	2.36	0.0007	1.44	0.600	0.00002	< 0.01	0.0121	< 0.003	0.00040
111	---	18-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
112	---	25-Oct-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
113	---	01-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
114	---	08-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
115	CA10079-NOV17	15-Nov-17	1000	993	< 0.00003	0.00473	1.42	2.94	-0.0002	1.62	0.594	0.00046	0.12	0.0126	< 0.003	0.00029
116	---	22-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
117	---	29-Nov-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
118	---	06-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
119	---	13-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
120	CA10217-DEC17	20-Dec-17	1000	985	< 0.00003	0.00328	1.16	2.12	0.0005	0.824	0.352	0.00001	0.02	0.0104	< 0.003	0.00065
121	---	27-Dec-17	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
122	---	03-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
123	---	10-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
124	---	17-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
125	CA10263-JAN18	24-Jan-18	1000	994	< 0.00003	0.00210	2.47	5.04	0.0023	2.53	1.09	0.00015	0.93	0.0214	< 0.003	0.00153
126	---	31-Jan-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
127	---	07-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
128	---	14-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
129	---	21-Feb-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
130	CA10252-FEB18	28-Feb-18	1000	972	0.00017	0.00198	2.76	3.67	0.0009	1.17	0.576	0.00005	0.03	0.0168	< 0.003	0.00062
131	---	07-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
132	---	14-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
133	---	21-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
134	---	28-Mar-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
135	CA10018-APR18	04-Apr-18	1000	992	0.00004	0.00184	2.87	3.97	0.0012	1.56	0.664	0.00001	0.08	0.0247	< 0.003	0.00038
136	---	11-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
137	---	18-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
138	---	25-Apr-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
139	---	02-May-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
140	CA10095-MAY18	09-May-18	1000	966	0.00004	0.00121	1.78	2.97	0.0007	1.01	0.474	< 0.00001	0.02	0.0149	< 0.003	0.00026
141	---	16-May-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
142	---	23-May-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
143	---	30-May-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
144	---	06-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
145	CA10085-JUN18	13-Jun-18	1000	988	< 0.00003	0.00084	1.24	1.96	0.0006	0.983	0.447	< 0.00001	< 0.01	0.0094	< 0.003	0.00017
146	---	20-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
147	---	27-Jun-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
148	---	04-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
149	---	11-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
150	CA10094-JUL18	18-Jul-18	1000	966	< 0.00003	0.00165	1.86	2.11	0.0006	0.792	0.345	0.00005	0.20	0.0111	< 0.003	0.00031
151	---	25-Jul-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
152	---	01-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
153	---	08-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
154	---	15-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
155	CA10222-AUG18	22-Aug-18	1000	954	< 0.00003	0.00107	1.48	2.39	0.0080	0.795	0.346	0.00122	0.40	0.0103	< 0.003	0.00043
156	---	29-Aug-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
157	---	05-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
158	---	12-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
159	---	19-Sep-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
160	CA10259-SEP18	26-Sep-18	1000	975	< 0.00003	0.00059	1.49	4.30	0.0007	2.29	0.996	< 0.00001	0.06	0.0150	< 0.003	0.00007
161	---	03-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn		
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
108	---	27-Sep-17	1000	---	---	---	---	---	---	---	---	---	---		
109	---	04-Oct-17	1000	---	---	---	---	---	---	---	---	---	---		
110	CA10037-OCT17	11-Oct-17	1000	976	0.0003	0.00012	0.00397	0.00014	< 0.00005	< 0.000005	0.000227	< 0.00001	0.011		
111	---	18-Oct-17	1000	---	---	---	---	---	---	---	---	---	---		
112	---	25-Oct-17	1000	---	---	---	---	---	---	---	---	---	---		
113	---	01-Nov-17	1000	---	---	---	---	---	---	---	---	---	---		
114	---	08-Nov-17	1000	---	---	---	---	---	---	---	---	---	---		
115	CA10079-NOV17	15-Nov-17	1000	993	0.0002	0.00012	0.00572	0.00009	< 0.00005	< 0.000005	0.000267	0.00004	0.008		
116	---	22-Nov-17	1000	---	---	---	---	---	---	---	---	---	---		
117	---	29-Nov-17	1000	---	---	---	---	---	---	---	---	---	---		
118	---	06-Dec-17	1000	---	---	---	---	---	---	---	---	---	---		
119	---	13-Dec-17	1000	---	---	---	---	---	---	---	---	---	---		
120	CA10217-DEC17	20-Dec-17	1000	985	< 0.0002	0.00008	0.00306	0.00008	< 0.00005	< 0.000005	0.000258	< 0.00001	0.013		
121	---	27-Dec-17	1000	---	---	---	---	---	---	---	---	---	---		
122	---	03-Jan-18	1000	---	---	---	---	---	---	---	---	---	---		
123	---	10-Jan-18	1000	---	---	---	---	---	---	---	---	---	---		
124	---	17-Jan-18	1000	---	---	---	---	---	---	---	---	---	---		
125	CA10263-JAN18	24-Jan-18	1000	994	< 0.0002	0.00026	0.00648	0.00015	< 0.00005	0.000028	0.000411	< 0.00001	0.013		
126	---	31-Jan-18	1000	---	---	---	---	---	---	---	---	---	---		
127	---	07-Feb-18	1000	---	---	---	---	---	---	---	---	---	---		
128	---	14-Feb-18	1000	---	---	---	---	---	---	---	---	---	---		
129	---	21-Feb-18	1000	---	---	---	---	---	---	---	---	---	---		
130	CA10252-FEB18	28-Feb-18	1000	972	< 0.0002	0.00011	0.00225	0.00013	< 0.00005	0.000061	0.000424	< 0.00001	0.013		
131	---	07-Mar-18	1000	---	---	---	---	---	---	---	---	---	---		
132	---	14-Mar-18	1000	---	---	---	---	---	---	---	---	---	---		
133	---	21-Mar-18	1000	---	---	---	---	---	---	---	---	---	---		
134	---	28-Mar-18	1000	---	---	---	---	---	---	---	---	---	---		
135	CA10018-APR18	04-Apr-18	1000	992	0.0005	0.00010	0.00258	0.00015	< 0.00005	< 0.000005	0.000477	< 0.00001	0.010		
136	---	11-Apr-18	1000	---	---	---	---	---	---	---	---	---	---		
137	---	18-Apr-18	1000	---	---	---	---	---	---	---	---	---	---		
138	---	25-Apr-18	1000	---	---	---	---	---	---	---	---	---	---		
139	---	02-May-18	1000	---	---	---	---	---	---	---	---	---	---		
140	CA10095-MAY18	09-May-18	1000	966	< 0.0002	0.00011	0.00227	0.00012	< 0.00005	0.000012	0.000383	< 0.00001	0.008		
141	---	16-May-18	1000	---	---	---	---	---	---	---	---	---	---		
142	---	23-May-18	1000	---	---	---	---	---	---	---	---	---	---		
143	---	30-May-18	1000	---	---	---	---	---	---	---	---	---	---		
144	---	06-Jun-18	1000	---	---	---	---	---	---	---	---	---	---		
145	CA10085-JUN18	13-Jun-18	1000	988	0.0002	0.00011	0.00234	0.00010	< 0.00005	< 0.000005	0.000223	< 0.00001	0.007		
146	---	20-Jun-18	1000	---	---	---	---	---	---	---	---	---	---		
147	---	27-Jun-18	1000	---	---	---	---	---	---	---	---	---	---		
148	---	04-Jul-18	1000	---	---	---	---	---	---	---	---	---	---		
149	---	11-Jul-18	1000	---	---	---	---	---	---	---	---	---	---		
150	CA10094-JUL18	18-Jul-18	1000	966	< 0.0002	0.00018	0.00170	0.00013	< 0.00005	0.000126	0.000266	< 0.00001	0.006		
151	---	25-Jul-18	1000	---	---	---	---	---	---	---	---	---	---		
152	---	01-Aug-18	1000	---	---	---	---	---	---	---	---	---	---		
153	---	08-Aug-18	1000	---	---	---	---	---	---	---	---	---	---		
154	---	15-Aug-18	1000	---	---	---	---	---	---	---	---	---	---		
155	CA10222-AUG18	22-Aug-18	1000	954	0.0003	0.00020	0.00234	0.00009	< 0.00005	0.000107	0.000360	< 0.00001	0.005		
156	---	29-Aug-18	1000	---	---	---	---	---	---	---	---	---	---		
157	---	05-Sep-18	1000	---	---	---	---	---	---	---	---	---	---		
158	---	12-Sep-18	1000	---	---	---	---	---	---	---	---	---	---		
159	---	19-Sep-18	1000	---	---	---	---	---	---	---	---	---	---		
160	CA10259-SEP18	26-Sep-18	1000	975	0.0003	0.00013	0.00541	0.00012	< 0.00005	0.000006	0.000138	< 0.00001	0.008		
161	---	03-Oct-18	1000	---	---	---	---	---	---	---	---	---	---		

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
162	---	10-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---
163	---	17-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---
164	---	24-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---
165		31-Oct-18	1000											

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	As3+	As5+	Ba	Be	B	Bi	Cd	Co
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L
162	---	10-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---
163	---	17-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---
164	---	24-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---
165		31-Oct-18	1000				---	---						

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
162	---	10-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
163	---	17-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
164	---	24-Oct-18	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
165		31-Oct-18	1000													

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-40
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn		
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
162	---	10-Oct-18	1000	---	---	---	---	---	---	---	---	---	---		
163	---	17-Oct-18	1000	---	---	---	---	---	---	---	---	---	---		
164	---	24-Oct-18	1000	---	---	---	---	---	---	---	---	---	---		
165		31-Oct-18	1000												

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-18
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	926	7.83	< 2	12	44	5	5.18	< 1	< 0.06	< 0.00001	0.000003
1	CA10057-SEP15	09-Sep-15	1000	961	7.31	< 2	8	27	3	3.23	< 1	< 0.06	< 0.00001	0.000008
2	CA10100-SEP15	16-Sep-15	1000	968	7.42	< 2	8	22	3	2.59	< 1	< 0.06	< 0.00001	0.000004
3	CA10135-SEP15	23-Sep-15	1000	974	7.23	<2	8	20	2	2.68	< 1	< 0.06	< 0.00001	< 0.000002
4	CA10168-SEP15	30-Sep-15	1000	985	7.61	< 2	7	21	2	2.44	< 1	< 0.06	< 0.00001	0.000003
5	CA10023-OCT15	07-Oct-15	1000	977	7.47	< 2	7	19	2	2.33	< 1	< 0.06	< 0.00001	0.000011
6	CA10061-OCT15	14-Oct-15	1000	1007	7.46	< 2	7	18	2	2.46	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1015	7.18	< 2	5	17	2	2.39	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1012	7.32	< 2	7	17	2	2.57	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	982	7.39	< 2	5	14	1	2.33	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1004	7.37	< 2	5	14	2	2.11	< 1	< 0.06	< 0.00001	< 0.000002
11	CA10082-NOV15	18-Nov-15	1000	959	7.16	< 2	6	16	2	2.19	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	946	7.15	< 2	5	16	2	2.23	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	949	7.07	< 2	4	15	2	2.24	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	970	7.02	< 2	5	16	3	2.34	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	971	6.92	< 2	5	15	3	2.07	< 1	< 0.06	< 0.00001	0.000002
16	CA10129-DEC15	23-Dec-15	1000	973	7.13	< 2	5	14	3	2.26	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	981	7.03	< 2	5	17	2	2.10	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	977	6.89	< 2	4	14	2	1.74	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	985	6.96	< 2	4	15	2	1.81	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	986	7.19	< 2	5	13	2	1.83	< 1	< 0.06	< 0.00001	< 0.000002
21	CA10145-JAN16	27-Jan-16	1000	977	7.13	2	4	13	2	1.72	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	983	7.26	< 2	5	14	2	1.71	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	986	7.14	< 2	4	15	2	1.69	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1012	7.18	< 2	6	18	2	2.51	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	982	7.07	< 2	4	13	2	1.73	< 1	< 0.06	< 0.00001	< 0.000002
26	CA10024-MAR16	02-Mar-16	1000	974	7.12	< 2	5	16	2	1.76	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	959	7.07	< 2	4	14	2	1.88	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	965	6.89	< 2	3	12	2	1.66	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	990	7.16	< 2	3	12	3	1.96	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	998	6.82	< 2	3	11	3	1.56	< 1	< 0.06	< 0.00001	< 0.000002
31	CA10021-APR16	06-Apr-16	1000	996	7.00	< 2	3	11	2	1.51	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	982	7.11	< 2	4	14	3	1.94	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1016	7.09	< 2	4	13	2	2.00	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	1006	7.28	< 2	4	13	2	1.80	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	1004	7.00	< 2	4	14	2	1.90	< 1	< 0.06	< 0.00001	< 0.000002
36	CA10058-MAY16	11-May-16	1000	961	7.10	< 2	2	11	1	1.37	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1000	6.96	< 2	3	14	2	1.72	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1010	7.19	< 2	4	15	2	2.28	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	999	7.02	2	2	11	2	1.58	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	982	6.89	< 2	3	8	2	1.32	< 1	< 0.06	< 0.00001	0.000033
41	CA10066-JUN16	15-Jun-16	1000	969	6.95	< 2	3	10	2	1.46	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1010	7.03	< 2	3	14	2	1.89	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	1006	7.04	< 2	5	16	2	2.18	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	945	7.31	< 2	4	8	1	1.28	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1017	7.17	< 2	5	16	2	2.41	< 1	< 0.06	< 0.00001	0.000004
Terminated														

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-18
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu	Fe
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	926	0.071	0.0253	0.00113	< 0.000007	0.0014	< 0.000007	0.000036	0.000687	< 0.00003	0.00048	< 0.007
1	CA10057-SEP15	09-Sep-15	1000	961	0.075	0.0180	0.00110	< 0.000007	0.0018	0.000016	0.000008	0.000239	< 0.00003	0.00049	< 0.007
2	CA10100-SEP15	16-Sep-15	1000	968	0.080	0.0163	0.00082	< 0.000007	0.0013	< 0.000007	0.000014	0.000202	< 0.00003	0.00081	0.009
3	CA10135-SEP15	23-Sep-15	1000	974	0.104	0.0207	0.00071	< 0.000007	0.0008	< 0.000007	< 0.000003	0.000118	< 0.00003	0.00029	< 0.007
4	CA10168-SEP15	30-Sep-15	1000	985	0.091	0.0156	0.00058	< 0.000007	0.0012	< 0.000007	< 0.000003	0.000085	< 0.00003	0.00019	< 0.007
5	CA10023-OCT15	07-Oct-15	1000	977	0.083	0.0138	0.00054	< 0.000007	0.0003	< 0.000007	< 0.000003	0.000096	< 0.00003	0.00031	< 0.007
6	CA10061-OCT15	14-Oct-15	1000	1007	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1015	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1012	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	982	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1004	0.070	0.0096	0.00056	< 0.000007	0.0034	< 0.000007	0.000004	0.000086	< 0.00003	0.00032	0.008
11	CA10082-NOV15	18-Nov-15	1000	959	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	946	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	949	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	970	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	971	0.057	0.0078	0.00055	< 0.000007	0.0012	< 0.000007	< 0.000003	0.000124	0.00005	0.00021	0.009
16	CA10129-DEC15	23-Dec-15	1000	973	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	981	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	977	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	985	---	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	986	0.056	0.0083	0.00045	< 0.000007	0.004	< 0.000007	< 0.000003	0.000188	< 0.00003	0.00017	< 0.007
21	CA10145-JAN16	27-Jan-16	1000	977	---	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	983	---	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	986	---	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	982	0.044	0.0066	0.00060	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000155	< 0.00003	0.00045	0.011
26	CA10024-MAR16	02-Mar-16	1000	974	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	959	---	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	965	---	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	990	---	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	998	0.029	0.0051	0.00038	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000193	< 0.00003	0.00015	0.011
31	CA10021-APR16	06-Apr-16	1000	996	---	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	982	---	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1016	---	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	1006	---	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	1004	0.034	0.0060	0.00052	< 0.000007	0.008	< 0.000007	< 0.000003	0.000181	< 0.00003	0.00006	< 0.007
36	CA10058-MAY16	11-May-16	1000	961	---	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	999	---	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	982	0.026	0.0038	0.00030	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000182	< 0.00003	0.00019	0.012
41	CA10066-JUN16	15-Jun-16	1000	969	---	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	1006	---	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	945	---	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1017	0.030	0.0048	0.00063	< 0.000007	0.018	< 0.000007	0.000003	0.000850	< 0.00003	0.00019	0.009
Terminated															

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-18
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	926	2.9	0.000538	0.428	0.0151	0.00085	0.69	0.0024	< 0.003	0.00087	0.0009	0.00013	0.0133
1	CA10057-SEP15	09-Sep-15	1000	961	1.76	0.000463	0.255	0.0106	0.00065	0.31	0.0013	< 0.003	0.00011	0.0007	0.00007	0.00893
2	CA10100-SEP15	16-Sep-15	1000	968	1.34	0.000412	0.219	0.00938	0.00041	0.21	0.0009	< 0.003	0.00007	0.0007	0.00010	0.00818
3	CA10135-SEP15	23-Sep-15	1000	974	1.27	0.000368	0.208	0.00802	0.00036	0.15	0.0006	< 0.003	0.00002	0.0006	0.00008	0.00731
4	CA10168-SEP15	30-Sep-15	1000	985	1.03	0.000330	0.180	0.00780	0.00023	0.11	0.0004	< 0.003	< 0.00001	0.0005	0.00007	0.00649
5	CA10023-OCT15	07-Oct-15	1000	977	0.994	0.000312	0.182	0.00834	0.00034	0.10	0.0005	< 0.003	0.00002	0.0004	0.00007	0.00618
6	CA10061-OCT15	14-Oct-15	1000	1007	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1015	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1012	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	982	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1004	0.738	0.000271	0.145	0.00903	0.00013	0.05	0.0003	0.006	0.00003	0.0004	< 0.00004	0.00571
11	CA10082-NOV15	18-Nov-15	1000	959	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	946	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	949	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	970	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	971	0.628	0.000275	0.142	0.0110	0.00361	0.09	0.0004	< 0.003	0.00002	0.0004	0.00008	0.00553
16	CA10129-DEC15	23-Dec-15	1000	973	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	981	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	977	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	985	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	986	0.557	0.000244	0.129	0.0132	0.00006	0.04	0.0004	< 0.003	0.00001	0.0002	0.00006	0.00544
21	CA10145-JAN16	27-Jan-16	1000	977	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	983	---	---	---	---	---	0.03	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	986	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1012	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	982	0.479	0.000173	0.118	0.0156	0.00008	0.01	0.0004	< 0.003	0.00002	0.0002	< 0.00004	0.00484
26	CA10024-MAR16	02-Mar-16	1000	974	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	959	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	965	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	990	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	998	0.403	0.000177	0.102	0.0163	0.00017	0.01	0.0005	< 0.003	0.00002	< 0.0002	< 0.00004	0.00436
31	CA10021-APR16	06-Apr-16	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	982	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	1006	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	1004	0.479	0.000227	0.112	0.0199	0.00008	0.02	0.0004	< 0.003	0.00002	0.0003	0.00006	0.00524
36	CA10058-MAY16	11-May-16	1000	961	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	982	0.352	0.000183	0.076	0.0152	0.00005	0.01	0.0004	< 0.003	0.00003	< 0.0002	0.00005	0.00359
41	CA10066-JUN16	15-Jun-16	1000	969	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	1006	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	945	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1017	0.498	0.000174	0.121	0.0268	0.00048	0.03	0.0005	< 0.003	0.00004	0.0003	0.00047	0.00654
Terminated																

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-18
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	926	0.00144	0.00028	0.000008	0.000289	0.00057	< 0.002
1	CA10057-SEP15	09-Sep-15	1000	961	0.00030	0.00029	0.000022	0.000405	0.00055	< 0.002
2	CA10100-SEP15	16-Sep-15	1000	968	0.00007	0.00033	0.000006	0.000546	0.00051	< 0.002
3	CA10135-SEP15	23-Sep-15	1000	974	0.00011	0.00013	0.000005	0.000619	0.00063	< 0.002
4	CA10168-SEP15	30-Sep-15	1000	985	0.00006	0.00023	0.000005	0.000602	0.00047	< 0.002
5	CA10023-OCT15	07-Oct-15	1000	977	0.00003	0.00014	0.000008	0.000516	0.00045	< 0.002
6	CA10061-OCT15	14-Oct-15	1000	1007	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1015	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1012	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	982	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1004	0.00004	0.00017	0.000009	0.000856	0.00034	< 0.002
11	CA10082-NOV15	18-Nov-15	1000	959	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	946	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	949	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	970	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	971	0.00006	< 0.00005	< 0.000005	0.000451	0.00028	< 0.002
16	CA10129-DEC15	23-Dec-15	1000	973	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	981	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	977	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	985	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	986	0.00002	< 0.00005	< 0.000005	0.000384	0.00022	< 0.002
21	CA10145-JAN16	27-Jan-16	1000	977	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	983	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	986	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1012	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	982	0.00002	< 0.00005	0.000010	0.000547	0.00018	< 0.002
26	CA10024-MAR16	02-Mar-16	1000	974	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	959	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	965	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	990	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	998	0.00001	< 0.00005	0.000005	0.000365	0.00013	< 0.002
31	CA10021-APR16	06-Apr-16	1000	996	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	982	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1016	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	1006	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	1004	0.00005	< 0.00005	< 0.000005	0.000333	0.00011	< 0.002
36	CA10058-MAY16	11-May-16	1000	961	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1000	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1010	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	999	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	982	0.00005	< 0.00005	< 0.000005	0.000256	0.00010	< 0.002
41	CA10066-JUN16	15-Jun-16	1000	969	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1010	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	1006	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	945	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1017	0.00003	< 0.00005	0.000009	0.000429	0.00009	< 0.002
Terminated										

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-18 *solids removed from cell - 100g removed. 900g place back in cell
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	928	4.59	29	< 2	238	97	16.1	1	< 0.06	< 0.00001	< 0.000002
1	CA10057-SEP15	09-Sep-15	1000	986	4.41	17	< 2	155	59	10.2	< 1	< 0.06	< 0.00001	< 0.000002
2	CA10100-SEP15	16-Sep-15	1000	978	4.46	16	< 2	122	46	5.49	< 1	< 0.06	0.00001	0.000002
3	CA10135-SEP15	23-Sep-15	1000	985	4.40	18	< 2	118	44	5.10	< 1	< 0.06	< 0.00001	< 0.000002
4	CA10168-SEP15	30-Sep-15	1000	1002	4.33	16	< 2	108	34	3.74	< 1	< 0.06	< 0.00001	< 0.000002
5	CA10023-OCT15	07-Oct-15	1000	996	4.40	17	< 2	102	33	3.68	< 1	< 0.06	< 0.00001	< 0.000002
6	CA10061-OCT15	14-Oct-15	1000	1010	4.46	18	< 2	110	37	4.17	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1007	4.23	19	< 2	108	34	3.94	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1011	4.46	15	< 2	96	32	3.64	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1008	5.27	9	< 2	73	26	2.34	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1009	4.25	19	< 2	91	31	3.04	< 1	< 0.06	< 0.00001	0.000003
11	CA10082-NOV15	18-Nov-15	1000	960	4.22	21	< 2	103	29	2.60	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	952	4.20	30	< 2	126	41	3.36	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	978	4.31	29	< 2	123	44	3.45	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	980	4.42	23	< 2	100	32	2.66	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	986	4.38	18	< 2	91	28	2.25	< 1	< 0.06	< 0.00001	< 0.000002
16	CA10129-DEC15	23-Dec-15	1000	1003	4.45	19	< 2	81	25	2.21	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	997	4.47	19	< 2	82	26	1.98	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	998	4.63	13	< 2	47	20	1.63	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	1006	4.46	15	< 2	68	21	1.63	---	---	---	---
20*	CA10102-JAN16	20-Jan-16	1000	1003	4.44	14	< 2	71	20	1.57	< 1	< 0.06	< 0.00001	< 0.000002
21	CA10145-JAN16	27-Jan-16	900	887	4.30	16	< 2	76	21	1.64	< 1	< 0.06	< 0.00001	< 0.000002
22	CA10027-FEB16	03-Feb-16	900	890	4.17	19	< 2	92	25	1.79	< 1	< 0.06	< 0.00001	0.000003
23	CA10069-FEB16	10-Feb-16	900	881	4.14	22	< 2	100	29	1.93	< 1	< 0.06	< 0.00001	< 0.000002
24	CA10110-FEB16	17-Feb-16	900	898	4.06	21	< 2	102	27	1.92	< 1	< 0.06	< 0.00001	< 0.000002

Terminated

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-18 *solids removed from cell - 100g removed. 900g place bacl
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu	Fe
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	928	0.423	0.0293	0.035	0.00112	0.0029	< 0.000007	0.00115	0.155	0.00013	0.15	10.3
1	CA10057-SEP15	09-Sep-15	1000	986	0.247	0.0246	0.0136	0.000799	0.0030	< 0.000007	0.000860	0.113	0.00009	0.0896	5.90
2	CA10100-SEP15	16-Sep-15	1000	978	0.190	0.0218	0.00762	0.000730	0.0028	< 0.000007	0.000649	0.102	0.00007	0.0826	4.90
3	CA10135-SEP15	23-Sep-15	1000	985	0.209	0.0301	0.00779	0.000899	0.0024	< 0.000007	0.000773	0.0966	0.00007	0.0819	5.86
4	CA10168-SEP15	30-Sep-15	1000	1002	0.236	0.0264	0.00529	0.000873	0.0023	< 0.000007	0.000697	0.0812	0.00008	0.0794	5.76
5	CA10023-OCT15	07-Oct-15	1000	996	0.253	0.0224	0.00420	0.000908	0.0017	< 0.000007	0.000676	0.0672	0.00008	0.0761	5.67
6	CA10061-OCT15	14-Oct-15	1000	1010	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1007	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1011	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1008	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1009	0.267	0.0188	0.00417	0.000846	0.0034	< 0.000007	0.000552	0.0573	0.00007	0.0638	6.42
11	CA10082-NOV15	18-Nov-15	1000	960	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	952	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	978	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	980	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	986	0.119	0.0141	0.00283	0.000535	0.0030	< 0.000007	0.000436	0.0363	0.00008	0.0386	7.33
16	CA10129-DEC15	23-Dec-15	1000	1003	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	997	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	998	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	1006	---	---	---	---	---	---	---	---	---	---	---
20*	CA10102-JAN16	20-Jan-16	1000	1003	0.090	0.0085	0.00338	0.000457	0.005	< 0.000007	0.000268	0.0221	< 0.00003	0.0294	4.97
21	CA10145-JAN16	27-Jan-16	900	887	0.113	0.0083	0.00464	0.000536	0.003	< 0.000007	0.000273	0.0230	< 0.00003	0.0440	5.20
22	CA10027-FEB16	03-Feb-16	900	890	0.192	0.0096	0.00376	0.000705	0.003	< 0.000007	0.000346	0.0292	0.00007	0.0557	5.38
23	CA10069-FEB16	10-Feb-16	900	881	0.306	0.0093	0.00315	0.000848	< 0.002	< 0.000007	0.000380	0.0297	0.00008	0.0610	5.47
24	CA10110-FEB16	17-Feb-16	900	898	0.372	0.0082	0.00279	0.000910	< 0.002	< 0.000007	0.000362	0.0319	0.00009	0.0665	4.82

Terminated

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-18 *solids removed from cell - 100g removed. 900g place bacl
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	928	6.03	0.00944	5.25	3.05	0.00004	0.96	0.337	< 0.003	0.00397	0.0003	0.00373	0.0556
1	CA10057-SEP15	09-Sep-15	1000	986	3.73	0.00635	3.61	2.28	0.00012	0.48	0.254	< 0.003	0.00322	0.0003	0.00250	0.0391
2	CA10100-SEP15	16-Sep-15	1000	978	2.36	0.00598	2.50	1.89	0.00003	0.27	0.201	< 0.003	0.00155	0.0005	0.00197	0.0234
3	CA10135-SEP15	23-Sep-15	1000	985	2.42	0.00579	2.58	2.13	0.00012	0.22	0.214	< 0.003	0.00139	0.0002	0.00257	0.0206
4	CA10168-SEP15	30-Sep-15	1000	1002	1.96	0.00525	2.17	1.83	0.00005	0.15	0.178	< 0.003	0.00133	0.0002	0.00191	0.0165
5	CA10023-OCT15	07-Oct-15	1000	996	1.54	0.00546	1.96	1.67	0.00009	0.11	0.157	< 0.003	0.00167	< 0.0002	0.00164	0.0138
6	CA10061-OCT15	14-Oct-15	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1007	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1011	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1008	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1009	1.08	0.00487	1.70	1.64	0.00003	0.05	0.130	< 0.003	0.00151	0.0002	0.00135	0.0117
11	CA10082-NOV15	18-Nov-15	1000	960	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	952	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	986	0.630	0.00456	1.37	1.72	0.00177	0.08	0.0875	< 0.003	0.00099	< 0.0002	0.00088	0.00878
16	CA10129-DEC15	23-Dec-15	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	997	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	998	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	1006	---	---	---	---	---	---	---	---	---	---	---	---
20*	CA10102-JAN16	20-Jan-16	1000	1003	0.460	0.00377	0.883	1.18	< 0.00001	0.04	0.0454	< 0.003	0.00103	< 0.0002	0.00066	0.00740
21	CA10145-JAN16	27-Jan-16	900	887	0.647	0.00333	0.940	1.10	0.00014		0.0481	< 0.003	0.00103	< 0.0002	0.00066	0.00715
22	CA10027-FEB16	03-Feb-16	900	890	0.677	0.00426	1.11	1.18	0.00003	0.04	0.0582	0.003	0.00122	< 0.0002	0.00062	0.00769
23	CA10069-FEB16	10-Feb-16	900	881	0.600	0.00465	1.12	1.23	0.00001	0.02	0.0618	< 0.003	0.00136	< 0.0002	0.00066	0.00748
24	CA10110-FEB16	17-Feb-16	900	898	0.507	0.00464	1.12	1.23	0.00001	0.02	0.0684	< 0.003	0.00118	< 0.0002	0.00061	0.00734
Terminated																

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-18 *solids removed from cell - 100g removed. 900g place bacl
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	928	0.00078	< 0.00005	0.000076	0.002	0.00002	0.106
1	CA10057-SEP15	09-Sep-15	1000	986	0.00030	< 0.00005	0.000058	0.00179	0.00003	0.111
2	CA10100-SEP15	16-Sep-15	1000	978	0.00023	< 0.00005	0.000044	0.00172	0.00001	0.083
3	CA10135-SEP15	23-Sep-15	1000	985	0.00012	< 0.00005	0.000041	0.00164	< 0.00001	0.099
4	CA10168-SEP15	30-Sep-15	1000	1002	0.00007	< 0.00005	0.000034	0.00183	0.00002	0.088
5	CA10023-OCT15	07-Oct-15	1000	996	0.00033	< 0.00005	0.000028	0.00192	0.00002	0.084
6	CA10061-OCT15	14-Oct-15	1000	1010	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1007	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1011	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1008	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1009	0.00007	0.00013	0.000035	0.00263	< 0.00001	0.078
11	CA10082-NOV15	18-Nov-15	1000	960	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	952	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	978	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	980	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	986	0.00004	< 0.00005	0.000012	0.00143	0.00001	0.065
16	CA10129-DEC15	23-Dec-15	1000	1003	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	997	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	998	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	1006	---	---	---	---	---	---
20*	CA10102-JAN16	20-Jan-16	1000	1003	0.00004	< 0.00005	0.000009	0.00110	< 0.00001	0.042
21	CA10145-JAN16	27-Jan-16	900	887	0.00006	< 0.00005	0.000024	0.00146	< 0.00001	0.044
22	CA10027-FEB16	03-Feb-16	900	890	0.00009	< 0.00005	0.000032	0.00221	0.00002	0.053
23	CA10069-FEB16	10-Feb-16	900	881	0.00007	< 0.00005	0.000031	0.00264	0.00001	0.057
24	CA10110-FEB16	17-Feb-16	900	898	0.00006	< 0.00005	0.000025	0.00283	0.00001	0.058
Terminated										

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-37
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	938	7.30	< 2	10	30	2	3.57	< 1	< 0.06	< 0.00001
1	CA10057-SEP15	09-Sep-15	1000	966	7.26	< 2	7	20	1	2.29	< 1	< 0.06	< 0.00001
2	CA10100-SEP15	16-Sep-15	1000	972	7.35	< 2	7	19	2	2.10	< 1	< 0.06	0.00001
3	CA10135-SEP15	23-Sep-15	1000	986	7.60	< 2	8	18	2	2.61	< 1	< 0.06	< 0.00001
4	CA10168-SEP15	30-Sep-15	1000	989	7.40	< 2	8	20	2	2.28	< 1	< 0.06	< 0.00001
5	CA10023-OCT15	07-Oct-15	1000	999	7.43	< 2	8	18	1	2.22	< 1	< 0.06	< 0.00001
6	CA10061-OCT15	14-Oct-15	1000	996	7.35	< 2	7	16	2	2.05	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	996	7.16	< 2	6	14	1	1.95	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1005	7.47	< 2	7	15	1	2.27	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	992	7.42	< 2	6	14	1	1.97	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1005	7.26	< 2	6	13	1	2.02	< 1	< 0.06	< 0.00001
11	CA10082-NOV15	18-Nov-15	1000	964	7.24	< 2	6	12	1	1.64	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	951	7.21	< 2	5	12	1	1.70	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	970	7.05	< 2	5	13	2	2.02	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	986	7.10	< 2	6	13	2	1.87	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	988	6.95	< 2	6	14	1	1.80	< 1	< 0.06	< 0.00001
16	CA10129-DEC15	23-Dec-15	1000	1003	7.17	< 2	6	12	2	1.90	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	997	7.06	< 2	6	13	1	1.77	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	1000	6.88	< 2	5	12	1	1.63	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	1003	7.04	< 2	5	14	2	1.74	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	1004	7.19	< 2	5	11	1	1.67	< 1	< 0.06	< 0.00001
21	CA10145-JAN16	27-Jan-16	1000	989	7.16	< 2	5	13	1	1.51	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	996	7.00	< 2	5	12	1	1.56	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1004	7.30	< 2	6	18	1	1.60	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	994	7.06	< 2	5	11	1	1.49	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1008	7.04	< 2	5	11	2	1.64	< 1	< 0.06	< 0.00001
26	CA10024-MAR16	02-Mar-16	1000	1002	7.14	< 2	5	12	2	1.81	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	994	7.12	< 2	4	12	2	1.76	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	992	6.96	< 2	4	10	1	1.61	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	1000	7.25	< 2	4	11	1	1.63	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1002	6.97	< 2	4	10	2	1.46	< 1	< 0.06	< 0.00001
31	CA10021-APR16	06-Apr-16	1000	1005	7.13	< 2	4	10	2	1.50	---	---	---
32	CA10058-APR16	13-Apr-16	1000	1000	6.99	< 2	4	10	2	1.64	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1004	6.98	< 2	4	10	2	1.57	---	---	---
34	CA10132-APR16	27-Apr-16	1000	998	7.13	< 2	4	11	1	1.54	---	---	---
35	CA10021-MAY16	04-May-16	1000	1000	7.02	< 2	5	10	1	1.59	< 1	< 0.06	< 0.00001
36	CA10058-MAY16	11-May-16	1000	1002	7.46	< 2	5	11	1	1.56	---	---	---
37	CA10100-MAY16	18-May-16	1000	1002	7.15	< 2	4	11	1	1.57	---	---	---
38	CA10135-MAY16	25-May-16	1000	1004	7.17	< 2	4	11	1	1.63	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1001	6.91	< 2	4	10	1	1.42	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	999	6.96	< 2	4	8	1	1.46	< 1	< 0.06	< 0.00001
41	CA10066-JUN16	15-Jun-16	1000	1003	7.13	< 2	4	8	2	1.46	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	995	7.16	< 2	4	10	1	1.53	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	992	7.11	< 2	5	12	1	1.69	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	1002	7.17	< 2	4	9	1	1.49	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	992	7.35	< 2	6	11	1	1.58	< 1	< 0.06	0.00001
Terminated													

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-37
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	938	< 0.000002	0.061	0.0803	0.00069	< 0.000007	0.0022	< 0.000007	0.000016	0.000171	< 0.00003
1	CA10057-SEP15	09-Sep-15	1000	966	0.000002	0.061	0.0500	0.00051	< 0.000007	0.0019	< 0.000007	0.000004	0.000092	< 0.00003
2	CA10100-SEP15	16-Sep-15	1000	972	< 0.000002	0.053	0.0456	0.00037	< 0.000007	0.0025	< 0.000007	0.000003	0.000142	0.00238
3	CA10135-SEP15	23-Sep-15	1000	986	< 0.000002	0.076	0.0534	0.00042	< 0.000007	0.0020	< 0.000007	< 0.000003	0.000079	< 0.00003
4	CA10168-SEP15	30-Sep-15	1000	989	< 0.000002	0.064	0.0377	0.00037	< 0.000007	0.0015	< 0.000007	< 0.000003	0.000066	< 0.00003
5	CA10023-OCT15	07-Oct-15	1000	999	< 0.000002	0.061	0.0341	0.00039	< 0.000007	0.0009	< 0.000007	< 0.000003	0.000077	< 0.00003
6	CA10061-OCT15	14-Oct-15	1000	996	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	996	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1005	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	992	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1005	< 0.000002	0.063	0.0220	0.00033	< 0.000007	< 0.0002	< 0.000007	< 0.000003	0.000065	< 0.00003
11	CA10082-NOV15	18-Nov-15	1000	964	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	951	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	970	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	986	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	988	< 0.000002	0.049	0.0211	0.00041	< 0.000007	0.0014	< 0.000007	< 0.000003	0.000053	0.00004
16	CA10129-DEC15	23-Dec-15	1000	1003	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	997	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	1000	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	1003	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	1004	< 0.000002	0.050	0.0189	0.00023	< 0.000007	0.003	< 0.000007	< 0.000003	0.000087	< 0.00003
21	CA10145-JAN16	27-Jan-16	1000	989	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	996	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1004	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	994	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1008	< 0.000002	0.037	0.0152	0.00028	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000070	< 0.00003
26	CA10024-MAR16	02-Mar-16	1000	1002	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	994	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	992	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	1000	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1002	< 0.000002	0.029	0.0124	0.00025	< 0.000007	< 0.002	< 0.000007	0.000005	0.000074	< 0.00003
31	CA10021-APR16	06-Apr-16	1000	1005	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	1000	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1004	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	998	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	1000	< 0.000002	0.032	0.0127	0.00023	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000083	< 0.00003
36	CA10058-MAY16	11-May-16	1000	1002	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1002	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1004	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1001	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	999	0.000014	0.023	0.0114	0.00025	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000096	< 0.00003
41	CA10066-JUN16	15-Jun-16	1000	1003	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	995	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	992	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	1002	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	992	< 0.000002	0.031	0.0100	0.00023	< 0.000007	0.004	< 0.000007	0.000003	0.000108	< 0.00003
Terminated														

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-37
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	938	0.00031	0.008	2.25	0.000583	0.338	0.0229	0.0011	0.49	0.0025	< 0.003	0.00017	0.0016
1	CA10057-SEP15	09-Sep-15	1000	966	0.00029	0.007	1.35	0.000414	0.231	0.0174	0.00060	0.24	0.0012	< 0.003	0.00005	0.0012
2	CA10100-SEP15	16-Sep-15	1000	972	0.00016	< 0.007	1.08	0.000413	0.236	0.0154	0.00098	0.22	0.0009	< 0.003	0.00004	0.0022
3	CA10135-SEP15	23-Sep-15	1000	986	0.00018	< 0.007	1.19	0.000379	0.263	0.0157	0.00053	0.17	0.0004	< 0.003	< 0.00001	0.0021
4	CA10168-SEP15	30-Sep-15	1000	989	0.00025	< 0.007	0.893	0.000325	0.222	0.0140	0.00040	0.11	0.0003	< 0.003	< 0.00001	0.0016
5	CA10023-OCT15	07-Oct-15	1000	999	0.00014	< 0.007	0.832	0.000299	0.228	0.0153	0.00031	0.10	0.0002	< 0.003	< 0.00001	0.0013
6	CA10061-OCT15	14-Oct-15	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1005	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	992	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1005	0.00025	< 0.007	0.612	0.000204	0.179	0.0139	0.00018	0.04	0.0001	0.005	< 0.00001	0.0008
11	CA10082-NOV15	18-Nov-15	1000	964	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	951	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	970	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	986	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	988	0.00026	< 0.007	0.488	0.000213	0.166	0.0114	0.00092	0.08	0.0001	< 0.003	< 0.00001	0.0007
16	CA10129-DEC15	23-Dec-15	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	997	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	1004	0.00010	< 0.007	0.397	0.000164	0.142	0.0132	0.00010	0.03	< 0.0001	< 0.003	< 0.00001	0.0005
21	CA10145-JAN16	27-Jan-16	1000	989	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	994	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1008	0.00051	< 0.007	0.319	0.000115	0.122	0.0152	0.00012	< 0.01	< 0.0001	< 0.003	< 0.00001	0.0004
26	CA10024-MAR16	02-Mar-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	994	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	992	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1002	0.00006	< 0.007	0.269	0.000124	0.104	0.0145	0.00011	< 0.01	< 0.0001	< 0.003	< 0.00001	0.0004
31	CA10021-APR16	06-Apr-16	1000	1005	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	998	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	1000	0.00006	< 0.007	0.284	0.000132	0.104	0.0146	0.00012	0.02	0.0001	< 0.003	0.00002	0.0004
36	CA10058-MAY16	11-May-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	999	0.00010	< 0.007	0.236	0.000101	0.096	0.0151	0.00009	0.01	0.0001	< 0.003	< 0.00001	0.0002
41	CA10066-JUN16	15-Jun-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	992	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	992	0.00024	< 0.007	0.256	0.000108	0.096	0.0151	0.00017	0.02	< 0.0001	< 0.003	0.00003	0.0004
Terminated																

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-37
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	938	0.00008	0.00818	0.00087	0.00025	< 0.000005	0.00038	0.00043	< 0.002
1	CA10057-SEP15	09-Sep-15	1000	966	< 0.00004	0.00555	0.00016	0.00026	0.000005	0.000591	0.00039	< 0.002
2	CA10100-SEP15	16-Sep-15	1000	972	0.00004	0.00596	< 0.00001	0.00007	0.000007	0.00168	0.00040	< 0.002
3	CA10135-SEP15	23-Sep-15	1000	986	< 0.00004	0.00660	< 0.00001	0.00009	< 0.000005	0.00182	0.00046	< 0.002
4	CA10168-SEP15	30-Sep-15	1000	989	< 0.00004	0.00567	0.00008	< 0.00005	< 0.000005	0.00191	0.00037	< 0.002
5	CA10023-OCT15	07-Oct-15	1000	999	< 0.00004	0.00579	< 0.00001	< 0.00005	< 0.000005	0.00169	0.00034	< 0.002
6	CA10061-OCT15	14-Oct-15	1000	996	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	996	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1005	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	992	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1005	< 0.00004	0.00508	0.00032	0.00010	< 0.000005	0.00119	0.00028	< 0.002
11	CA10082-NOV15	18-Nov-15	1000	964	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	951	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	970	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	986	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	988	< 0.00004	0.00459	0.00002	< 0.00005	< 0.000005	0.000965	0.00022	< 0.002
16	CA10129-DEC15	23-Dec-15	1000	1003	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	997	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	1000	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	1003	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	1004	< 0.00004	0.00460	0.00002	< 0.00005	< 0.000005	0.000676	0.00017	< 0.002
21	CA10145-JAN16	27-Jan-16	1000	989	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	996	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1004	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	994	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1008	< 0.00004	0.00404	0.00004	< 0.00005	< 0.000005	0.000525	0.00012	< 0.002
26	CA10024-MAR16	02-Mar-16	1000	1002	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	994	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	992	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	1000	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1002	< 0.00004	0.00373	< 0.00001	< 0.00005	< 0.000005	0.000378	0.00010	< 0.002
31	CA10021-APR16	06-Apr-16	1000	1005	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	1000	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1004	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	998	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	1000	0.00006	0.00402	0.00012	< 0.00005	< 0.000005	0.000285	0.00006	< 0.002
36	CA10058-MAY16	11-May-16	1000	1002	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1002	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1004	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1001	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	999	< 0.00004	0.00359	0.00005	0.00007	< 0.000005	0.000292	0.00008	< 0.002
41	CA10066-JUN16	15-Jun-16	1000	1003	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	995	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	992	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	1002	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	992	0.00012	0.00376	0.00001	< 0.00005	< 0.000005	0.000256	0.00006	< 0.002
Terminated												

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-114
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	921	7.51	< 2	7	34	4	3.38	< 1	< 0.06	< 0.00001
1	CA10057-SEP15	09-Sep-15	1000	959	6.96	< 2	5	20	3	1.75	< 1	< 0.06	< 0.00001
2	CA10100-SEP15	16-Sep-15	1000	955	7.08	< 2	4	15	2	1.28	< 1	< 0.06	< 0.00001
3	CA10135-SEP15	23-Sep-15	1000	967	7.36	< 2	5	16	3	1.63	< 1	< 0.06	< 0.00001
4	CA10168-SEP15	30-Sep-15	1000	981	7.30	< 2	5	18	2	1.49	< 1	< 0.06	0.00001
5	CA10023-OCT15	07-Oct-15	1000	988	7.17	< 2	5	15	2	1.41	< 1	< 0.06	< 0.00001
6	CA10061-OCT15	14-Oct-15	1000	983	7.16	< 2	4	13	2	1.30	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	992	6.94	< 2	4	8	1	1.18	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	999	7.10	< 2	4	11	1	1.27	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	987	7.10	< 2	4	10	1	1.05	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	991	6.92	< 2	3	7	1	1.10	< 1	< 0.06	< 0.00001
11	CA10082-NOV15	18-Nov-15	1000	972	6.93	< 2	4	9	1	0.97	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	954	6.76	< 2	3	7	1	0.95	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	954	6.82	< 2	3	7	2	1.02	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	988	6.77	< 2	2	10	2	1.08	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	987	6.75	< 2	3	11	2	0.95	< 1	< 0.06	< 0.00001
16	CA10129-DEC15	23-Dec-15	1000	987	6.74	< 2	2	9	2	1.00	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	995	6.69	< 2	4	15	2	0.94	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	988	6.59	2	2	8	2	0.82	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	999	6.64	< 2	2	11	2	0.95	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	995	6.80	< 2	3	9	2	0.86	< 1	< 0.06	< 0.00001
21	CA10145-JAN16	27-Jan-16	1000	974	6.60	2	2	9	2	0.79	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	969	6.72	< 2	2	10	2	0.93	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	978	6.81	< 2	2	11	2	1.03	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	991	6.73	< 2	2	10	2	1.00	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	998	6.91	< 2	3	10	2	1.02	< 1	< 0.06	< 0.00001
26	CA10024-MAR16	02-Mar-16	1000	1000	6.92	< 2	3	10	2	1.18	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	1000	6.93	< 2	3	10	2	1.14	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	999	6.81	< 2	3	8	2	1.03	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	998	6.83	< 2	3	7	2	1.03	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1005	6.76	< 2	2	7	2	0.92	< 1	< 0.06	< 0.00001
31	CA10021-APR16	06-Apr-16	1000	1001	6.88	< 2	2	7	2	0.92	---	---	---
32	CA10058-APR16	13-Apr-16	1000	988	6.80	< 2	2	7	2	0.96	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1005	6.64	< 2	12	7	2	1.00	---	---	---
34	CA10132-APR16	27-Apr-16	1000	996	7.14	< 2	3	8	2	0.95	---	---	---
35	CA10021-MAY16	04-May-16	1000	994	6.82	< 2	2	8	1	1.00	< 1	< 0.06	< 0.00001
36	CA10058-MAY16	11-May-16	1000	992	7.08	< 2	3	6	1	0.96	---	---	---
37	CA10100-MAY16	18-May-16	1000	988	7.06	< 2	2	8	2	0.97	---	---	---
38	CA10135-MAY16	25-May-16	1000	1001	6.88	< 2	2	7	1	1.00	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1001	6.70	< 2	< 2	8	2	0.91	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	999	6.75	< 2	2	7	1	0.91	< 1	< 0.06	< 0.00001
41	CA10066-JUN16	15-Jun-16	1000	1004	6.79	< 2	2	6	2	0.86	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1000	6.91	< 2	3	7	1	0.92	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	997	6.87	< 2	4	8	1	1.00	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	1003	6.90	< 2	2	7	1	0.88	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1003	7.00	< 2	3	7	1	0.89	< 1	< 0.06	< 0.00001
Terminated													

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-114
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	921	0.000002	0.062	0.0115	0.00472	< 0.000007	0.0022	< 0.000007	0.000004	0.000104	< 0.00003
1	CA10057-SEP15	09-Sep-15	1000	959	< 0.000002	0.064	0.0083	0.00332	< 0.000007	0.0019	< 0.000007	< 0.000003	0.000129	0.00003
2	CA10100-SEP15	16-Sep-15	1000	955	< 0.000002	0.062	0.0068	0.00218	< 0.000007	0.0018	< 0.000007	0.000003	0.000145	< 0.00003
3	CA10135-SEP15	23-Sep-15	1000	967	< 0.000002	0.072	0.0089	0.00229	< 0.000007	0.0019	< 0.000007	< 0.000003	0.000103	< 0.00003
4	CA10168-SEP15	30-Sep-15	1000	981	< 0.000002	0.057	0.0070	0.00237	< 0.000007	0.0017	< 0.000007	< 0.000003	0.000107	< 0.00003
5	CA10023-OCT15	07-Oct-15	1000	988	< 0.000002	0.050	0.0062	0.00240	< 0.000007	0.0012	< 0.000007	< 0.000003	0.000118	< 0.00003
6	CA10061-OCT15	14-Oct-15	1000	983	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	992	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	999	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	987	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	991	< 0.000002	0.048	0.0045	0.00183	< 0.000007	< 0.0002	< 0.000007	< 0.000003	0.000104	< 0.00003
11	CA10082-NOV15	18-Nov-15	1000	972	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	954	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	954	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	988	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	987	< 0.000002	0.031	0.0027	0.00216	< 0.000007	0.0011	< 0.000007	0.000003	0.000337	< 0.00003
16	CA10129-DEC15	23-Dec-15	1000	987	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	995	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	988	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	999	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	995	< 0.000002	0.026	0.0023	0.00168	< 0.000007	< 0.002	< 0.000007	0.000003	0.000303	< 0.00003
21	CA10145-JAN16	27-Jan-16	1000	974	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	969	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	978	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	991	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	998	< 0.000002	0.022	0.0024	0.00199	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000206	< 0.00003
26	CA10024-MAR16	02-Mar-16	1000	1000	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	1000	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	999	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	998	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1005	< 0.000002	0.018	0.0022	0.00186	< 0.000007	< 0.002	< 0.000007	0.000004	0.000137	< 0.00003
31	CA10021-APR16	06-Apr-16	1000	1001	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	988	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1005	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	996	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	994	< 0.000002	0.020	0.0025	0.00194	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000127	< 0.00003
36	CA10058-MAY16	11-May-16	1000	992	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	988	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1001	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1001	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	999	0.000014	0.013	0.0021	0.00180	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000131	< 0.00003
41	CA10066-JUN16	15-Jun-16	1000	1004	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1000	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	997	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	1003	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1003	< 0.000002	0.021	0.0021	0.00182	< 0.000007	0.002	< 0.000007	0.000003	0.000132	< 0.00003
Terminated														

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-114
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	921	0.00043	0.009	2.79	0.00122	0.329	0.00381	0.00607	0.55	0.0011	< 0.003	0.00005	0.0006
1	CA10057-SEP15	09-Sep-15	1000	959	0.00039	0.011	1.78	0.00101	0.198	0.00255	0.00316	0.25	0.0005	< 0.003	0.00005	0.0005
2	CA10100-SEP15	16-Sep-15	1000	955	0.00036	0.009	1.27	0.000920	0.153	0.00192	0.00261	0.17	0.0003	< 0.003	0.00003	0.0005
3	CA10135-SEP15	23-Sep-15	1000	967	0.00015	< 0.007	1.45	0.000852	0.193	0.00242	0.00204	0.16	0.0004	< 0.003	< 0.00001	0.0006
4	CA10168-SEP15	30-Sep-15	1000	981	0.00013	< 0.007	1.23	0.000785	0.165	0.00228	0.00180	0.11	0.0002	< 0.003	< 0.00001	0.0007
5	CA10023-OCT15	07-Oct-15	1000	988	0.00026	< 0.007	1.13	0.000743	0.157	0.00254	0.00132	0.09	0.0002	< 0.003	< 0.00001	0.0006
6	CA10061-OCT15	14-Oct-15	1000	983	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	992	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	987	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	991	0.00018	< 0.007	0.875	0.000520	0.105	0.00299	0.00055	0.04	0.0001	< 0.003	< 0.00001	0.0004
11	CA10082-NOV15	18-Nov-15	1000	972	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	954	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	954	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	988	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	987	0.00031	< 0.007	0.790	0.000610	0.112	0.00393	0.00085	0.06	0.0004	< 0.003	0.00001	0.0003
16	CA10129-DEC15	23-Dec-15	1000	987	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	988	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	995	0.00013	< 0.007	0.680	0.000573	0.097	0.00448	0.00011	0.02	0.0003	< 0.003	< 0.00001	< 0.0002
21	CA10145-JAN16	27-Jan-16	1000	974	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	969	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	991	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	998	0.00036	< 0.007	0.643	0.000423	0.111	0.00671	0.00017	< 0.01	0.0002	< 0.003	0.00002	0.0002
26	CA10024-MAR16	02-Mar-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	998	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1005	0.00014	< 0.007	0.569	0.000327	0.089	0.00788	0.00012	0.02	0.0001	0.007	0.00001	< 0.0002
31	CA10021-APR16	06-Apr-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	988	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1005	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	994	0.00007	< 0.007	0.607	0.000382	0.088	0.00895	0.00011	0.02	0.0001	< 0.003	0.00002	< 0.0002
36	CA10058-MAY16	11-May-16	1000	992	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	988	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	999	0.00005	< 0.007	0.501	0.000330	0.076	0.00903	0.00008	0.01	0.0002	< 0.003	< 0.00001	< 0.0002
41	CA10066-JUN16	15-Jun-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	997	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1003	0.00011	< 0.007	0.560	0.000348	0.071	0.00877	0.00012	0.02	0.0002	< 0.003	0.00005	< 0.0002
Terminated																

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-114
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	921	0.00024	0.00823	0.00076	0.00041	0.000007	0.00019	0.00101	< 0.002
1	CA10057-SEP15	09-Sep-15	1000	959	0.00011	0.00438	0.00027	0.00062	0.000007	0.000321	0.00089	< 0.002
2	CA10100-SEP15	16-Sep-15	1000	955	0.00009	0.00351	0.00006	0.00030	0.000005	0.000418	0.00083	< 0.002
3	CA10135-SEP15	23-Sep-15	1000	967	0.00009	0.00405	0.00006	0.00006	< 0.000005	0.000587	0.00104	< 0.002
4	CA10168-SEP15	30-Sep-15	1000	981	0.00008	0.00365	0.00004	0.00006	< 0.000005	0.000931	0.00087	< 0.002
5	CA10023-OCT15	07-Oct-15	1000	988	< 0.00004	0.00362	0.00003	< 0.00005	< 0.000005	0.000885	0.00076	< 0.002
6	CA10061-OCT15	14-Oct-15	1000	983	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	992	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	999	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	987	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	991	< 0.00004	0.00273	0.00004	< 0.00005	0.000005	0.000749	0.00058	< 0.002
11	CA10082-NOV15	18-Nov-15	1000	972	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	954	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	954	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	988	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	987	0.00007	0.00222	0.00011	0.00013	< 0.000005	0.000323	0.00038	< 0.002
16	CA10129-DEC15	23-Dec-15	1000	987	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	995	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	988	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	999	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	995	< 0.00004	0.00207	0.00003	< 0.00005	< 0.000005	0.000269	0.00027	< 0.002
21	CA10145-JAN16	27-Jan-16	1000	974	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	969	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	978	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	991	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	998	0.00004	0.00223	0.00002	< 0.00005	< 0.000005	0.000418	0.00027	< 0.002
26	CA10024-MAR16	02-Mar-16	1000	1000	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	1000	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	999	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	998	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1005	< 0.00004	0.00191	< 0.00001	< 0.00005	0.000005	0.000345	0.00020	< 0.002
31	CA10021-APR16	06-Apr-16	1000	1001	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	988	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1005	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	996	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	994	0.00006	0.00207	0.00006	0.00005	< 0.000005	0.000258	0.00018	< 0.002
36	CA10058-MAY16	11-May-16	1000	992	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	988	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1001	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1001	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	999	< 0.00004	0.00183	0.00005	< 0.00005	< 0.000005	0.000277	0.00014	< 0.002
41	CA10066-JUN16	15-Jun-16	1000	1004	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1000	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	997	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	1003	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1003	0.00011	0.00178	< 0.00001	< 0.00005	< 0.000005	0.000215	0.00014	< 0.002
Terminated												

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-43
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	876	8.24	< 2	14	49	3	3.03	2	< 0.06	< 0.00001
1	CA10057-SEP15	09-Sep-15	1000	956	8.01	< 2	15	61	7	3.35	3	< 0.06	< 0.00001
2	CA10100-SEP15	16-Sep-15	1000	950	7.80	< 2	12	45	6	2.72	< 1	< 0.06	< 0.00001
3	CA10135-SEP15	23-Sep-15	1000	962	8.17	< 2	13	38	4	3.11	< 1	< 0.06	< 0.00001
4	CA10168-SEP15	30-Sep-15	1000	968	7.71	< 2	11	37	4	2.86	< 1	< 0.06	< 0.00001
5	CA10023-OCT15	07-Oct-15	1000	950	7.74	< 2	10	32	3	2.58	< 1	< 0.06	< 0.00001
6	CA10061-OCT15	14-Oct-15	1000	971	7.60	< 2	10	31	2	2.62	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	991	7.49	< 2	11	30	2	2.79	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1003	7.49	< 2	14	32	2	3.28	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	985	7.62	< 2	10	28	2	2.43	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	991	7.48	< 2	10	26	2	2.67	< 1	< 0.06	< 0.00001
11	CA10082-NOV15	18-Nov-15	1000	954	7.56	< 2	10	26	2	2.47	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	930	7.26	< 2	8	23	2	2.29	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	924	7.45	< 2	8	21	2	2.25	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	966	7.60	< 2	10	24	2	2.44	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	970	7.33	< 2	10	25	2	2.36	< 1	< 0.06	< 0.00001
16	CA10129-DEC15	23-Dec-15	1000	967	7.33	< 2	8	22	2	2.43	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	981	7.46	< 2	10	26	2	2.33	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	980	7.20	< 2	11	22	2	2.21	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	971	7.34	< 2	9	24	2	2.21	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	1009	7.57	< 2	13	31	2	3.43	< 1	< 0.06	< 0.00001
21	CA10145-JAN16	27-Jan-16	1000	1008	7.61	< 2	12	28	2	2.89	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1016	7.44	< 2	9	24	1	2.31	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1004	7.46	< 2	10	25	2	2.50	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1010	7.35	< 2	9	23	1	2.35	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	994	7.40	< 2	8	22	2	2.27	< 1	< 0.06	< 0.00001
26	CA10024-MAR16	02-Mar-16	1000	952	7.41	< 2	7	19	2	2.06	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	959	7.42	< 2	8	21	2	2.31	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	947	7.01	< 2	6	21	1	1.94	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	954	7.41	< 2	7	18	1	2.00	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	953	7.22	< 2	6	16	1	1.80	< 1	< 0.06	< 0.00001
31	CA10021-APR16	06-Apr-16	1000	942	7.42	< 2	7	17	2	1.82	---	---	---
32	CA10058-APR16	13-Apr-16	1000	978	7.39	< 2	8	22	1	2.44	---	---	---
33	CA10100-APR16	20-Apr-16	1000	991	7.30	< 2	9	20	2	2.42	---	---	---
34	CA10132-APR16	27-Apr-16	1000	996	7.28	< 2	9	24	1	2.46	---	---	---
35	CA10021-MAY16	04-May-16	1000	999	7.46	< 2	9	22	1	2.54	1	< 0.06	< 0.00001
36	CA10058-MAY16	11-May-16	1000	1001	7.55	< 2	9	23	< 1	2.61	---	---	---
37	CA10100-MAY16	18-May-16	1000	1000	7.33	< 2	9	23	1	2.43	---	---	---
38	CA10135-MAY16	25-May-16	1000	1004	7.33	< 2	8	21	< 1	2.54	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1015	7.29	< 2	10	23	1	2.76	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	996	7.26	< 2	8	21	1	2.48	1	< 0.06	< 0.00001
41	CA10066-JUN16	15-Jun-16	1000	1001	7.42	< 2	8	20	1	2.37	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1014	7.44	< 2	9	24	1	3.00	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	1010	7.30	< 2	9	21	1	2.42	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	917	7.50	< 2	7	17	1	1.97	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1001	7.50	< 2	9	21	1	2.51	< 1	< 0.06	0.00001
Terminated													

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-43
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	876	0.000006	0.018	0.445	0.0013	< 0.000007	0.0317	< 0.000007	0.000008	0.000834	0.00064
1	CA10057-SEP15	09-Sep-15	1000	956	0.000019	0.011	2.30	0.00186	< 0.000007	0.0467	< 0.000007	< 0.000003	0.00136	0.00034
2	CA10100-SEP15	16-Sep-15	1000	950	0.000003	0.010	1.84	0.00171	< 0.000007	0.0289	< 0.000007	< 0.000003	0.000694	0.00028
3	CA10135-SEP15	23-Sep-15	1000	962	0.000006	0.011	2.15	0.00180	< 0.000007	0.0205	< 0.000007	< 0.000003	0.000377	0.00026
4	CA10168-SEP15	30-Sep-15	1000	968	< 0.000002	0.009	1.78	0.00177	< 0.000007	0.0145	< 0.000007	< 0.000003	0.000310	0.00025
5	CA10023-OCT15	07-Oct-15	1000	950	0.000003	0.011	1.32	0.00172	< 0.000007	0.0096	< 0.000007	< 0.000003	0.000302	0.00032
6	CA10061-OCT15	14-Oct-15	1000	971	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	991	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1003	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	985	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	991	< 0.000002	0.010	1.13	0.00178	< 0.000007	0.0027	< 0.000007	< 0.000003	0.000298	0.00020
11	CA10082-NOV15	18-Nov-15	1000	954	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	930	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	924	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	966	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	970	< 0.000002	0.008	0.950	0.00160	< 0.000007	0.0036	< 0.000007	< 0.000003	0.000231	0.00023
16	CA10129-DEC15	23-Dec-15	1000	967	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	981	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	980	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	971	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	1009	0.000002	0.005	1.56	0.00241	< 0.000007	0.002	< 0.000007	< 0.000003	0.000345	0.00016
21	CA10145-JAN16	27-Jan-16	1000	1008	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1016	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1004	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1010	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	994	< 0.000002	0.007	0.810	0.00163	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000298	0.00020
26	CA10024-MAR16	02-Mar-16	1000	952	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	959	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	947	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	954	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	953	< 0.000002	0.008	0.629	0.00113	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000326	0.00037
31	CA10021-APR16	06-Apr-16	1000	942	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	978	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	991	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	996	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	999	< 0.000002	0.002	0.919	0.00179	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000360	0.00003
36	CA10058-MAY16	11-May-16	1000	1001	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1000	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1004	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1015	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	996	0.000077	0.002	0.703	0.00146	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000434	0.00004
41	CA10066-JUN16	15-Jun-16	1000	1001	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1014	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	1010	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	917	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1001	0.000003	0.006	0.575	0.00158	< 0.000007	0.002	< 0.000007	< 0.000003	0.000369	0.00023
Terminated														

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-43
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	876	0.00042	0.018	2.47	0.000338	0.698	0.00899	0.00043	4.59	0.0082	< 0.003	0.0001	0.0062
1	CA10057-SEP15	09-Sep-15	1000	956	0.00027	0.009	2.99	0.000488	1.13	0.0104	0.00049	4.99	0.0128	< 0.003	0.00005	0.0177
2	CA10100-SEP15	16-Sep-15	1000	950	0.00022	0.011	2.33	0.000487	0.956	0.00740	0.00029	2.56	0.0058	< 0.003	< 0.00001	0.0112
3	CA10135-SEP15	23-Sep-15	1000	962	0.00028	0.009	2.41	0.000454	1.01	0.00671	0.00038	1.55	0.0035	< 0.003	< 0.00001	0.0122
4	CA10168-SEP15	30-Sep-15	1000	968	0.00003	0.010	2.19	0.000469	0.946	0.00639	0.00027	0.95	0.0028	< 0.003	< 0.00001	0.0106
5	CA10023-OCT15	07-Oct-15	1000	950	0.00026	0.013	2.18	0.000442	0.870	0.00549	0.00017	0.63	0.0024	< 0.003	< 0.00001	0.0074
6	CA10061-OCT15	14-Oct-15	1000	971	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	991	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	985	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	991	0.00008	0.010	2.17	0.000453	0.883	0.00622	0.00006	0.22	0.0023	0.003	< 0.00001	0.0070
11	CA10082-NOV15	18-Nov-15	1000	954	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	930	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	924	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	966	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	970	0.00021	0.009	1.90	0.000455	0.731	0.00482	0.00051	0.19	0.0016	< 0.003	< 0.00001	0.0052
16	CA10129-DEC15	23-Dec-15	1000	967	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	981	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	971	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	1009	0.00004	< 0.007	2.34	0.000677	1.08	0.00742	< 0.00001	0.14	0.0026	< 0.003	< 0.00001	0.0063
21	CA10145-JAN16	27-Jan-16	1000	1008	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	994	0.00040	0.010	1.44	0.000365	0.630	0.00559	< 0.00001	0.05	0.0023	< 0.003	< 0.00001	0.0030
26	CA10024-MAR16	02-Mar-16	1000	952	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	959	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	947	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	954	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	953	0.00010	0.016	1.21	0.000320	0.505	0.00388	0.00001	0.04	0.0019	< 0.003	< 0.00001	0.0021
31	CA10021-APR16	06-Apr-16	1000	942	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	991	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	999	0.00007	< 0.007	1.31	0.000425	0.648	0.00501	0.00002	0.05	0.0031	< 0.003	< 0.00001	0.0034
36	CA10058-MAY16	11-May-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1015	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	996	0.00012	< 0.007	1.07	0.000398	0.640	0.00573	0.00002	0.04	0.0036	< 0.003	< 0.00001	0.0027
41	CA10066-JUN16	15-Jun-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1014	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	917	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1001	0.00003	0.009	1.35	0.000448	0.568	0.00541	0.00005	0.03	0.0024	< 0.003	< 0.00001	0.0030
Terminated																

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-43
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	876	0.00017	0.0226	0.00047	0.0002	0.000009	0.000007	0.00442	< 0.002
1	CA10057-SEP15	09-Sep-15	1000	956	0.00028	0.0364	0.00022	0.00008	0.000010	0.000019	0.00590	< 0.002
2	CA10100-SEP15	16-Sep-15	1000	950	0.00021	0.0360	0.00004	0.00010	0.000010	0.000014	0.00483	< 0.002
3	CA10135-SEP15	23-Sep-15	1000	962	0.00026	0.0354	0.00014	0.00008	0.000007	0.000039	0.00473	< 0.002
4	CA10168-SEP15	30-Sep-15	1000	968	0.00026	0.0320	0.00005	0.00006	0.000005	0.000025	0.00380	< 0.002
5	CA10023-OCT15	07-Oct-15	1000	950	0.00020	0.0285	0.00004	0.00019	< 0.000005	0.000029	0.00332	< 0.002
6	CA10061-OCT15	14-Oct-15	1000	971	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	991	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1003	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	985	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	991	0.00013	0.0244	0.00006	0.00019	0.000011	0.000011	0.00235	< 0.002
11	CA10082-NOV15	18-Nov-15	1000	954	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	930	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	924	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	966	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	970	0.00014	0.0180	0.00011	0.00006	< 0.000005	0.000010	0.00217	< 0.002
16	CA10129-DEC15	23-Dec-15	1000	967	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	981	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	980	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	971	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	1009	0.00016	0.0249	0.00006	< 0.00005	0.000009	0.000006	0.00223	< 0.002
21	CA10145-JAN16	27-Jan-16	1000	1008	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1016	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	1004	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1010	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	994	0.00009	0.0139	0.00010	0.00006	0.000010	0.000007	0.00143	< 0.002
26	CA10024-MAR16	02-Mar-16	1000	952	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	959	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	947	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	954	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	953	0.00006	0.00972	0.00004	0.00027	0.000007	0.000006	0.00125	< 0.002
31	CA10021-APR16	06-Apr-16	1000	942	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	978	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	991	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	996	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	999	0.00011	0.0127	0.00008	< 0.00005	< 0.000005	0.000014	0.00104	< 0.002
36	CA10058-MAY16	11-May-16	1000	1001	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	1000	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	1004	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1015	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	996	0.00010	0.0114	0.00004	0.00005	0.000007	0.000012	0.00078	< 0.002
41	CA10066-JUN16	15-Jun-16	1000	1001	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1014	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000	1010	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	917	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1001	0.00014	0.0102	< 0.00001	< 0.00005	0.000009	0.000013	0.00077	< 0.002
Terminated												

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-32
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	900	7.33	< 2	10	43	2	3.11	2	< 0.06	< 0.00001
1	CA10057-SEP15	09-Sep-15	1000	965	7.96	< 2	14	51	3	2.86	2	< 0.06	< 0.00001
2	CA10100-SEP15	16-Sep-15	1000	1002	7.54	< 2	12	41	3	2.09	2	< 0.06	< 0.00001
3	CA10135-SEP15	23-Sep-15	1000	1011	8.04	< 2	12	36	3	2.25	1	< 0.06	< 0.00001
4	CA10168-SEP15	30-Sep-15	1000	982	7.79	< 2	10	34	2	2.14	< 1	< 0.06	< 0.00001
5	CA10023-OCT15	07-Oct-15	1000	968	7.81	< 2	10	33	2	2.16	< 1	< 0.06	< 0.00001
6	CA10061-OCT15	14-Oct-15	1000	995	7.49	< 2	11	29	2	2.02	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1016	7.56	< 2	11	29	1	2.14	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1005	7.79	< 2	11	30	1	2.31	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1002	7.76	< 2	11	30	1	2.08	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1007	7.46	< 2	10	27	2	2.24	< 1	< 0.06	< 0.00001
11	CA10082-NOV15	18-Nov-15	1000	964	7.68	< 2	10	27	2	1.91	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	930	7.52	< 2	8	25	2	1.79	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	917	7.48	< 2	11	24	2	1.86	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	967	7.43	< 2	10	25	2	1.95	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	978	7.33	< 2	10	26	2	1.87	< 1	< 0.06	< 0.00001
16	CA10129-DEC15	23-Dec-15	1000	970	7.47	< 2	9	24	2	1.95	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	984	7.52	< 2	10	26	2	1.70	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	966	7.21	< 2	9	22	2	1.59	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	966	7.36	< 2	9	25	1	1.72	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	935	7.50	< 2	10	26	2	1.75	< 1	< 0.06	< 0.00001
21	CA10145-JAN16	27-Jan-16	1000	994	7.49	< 2	9	25	2	2.04	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1005	7.43	< 2	10	26	24	2.07	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	999	7.44	< 2	10	26	1	2.11	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1001	7.33	< 2	9	24	1	2.06	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1001	7.39	< 2	8	23	2	2.05	< 1	< 0.06	< 0.00001
26	CA10024-MAR16	02-Mar-16	1000	1003	7.38	< 2	9	24	2	2.19	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	1004	7.38	< 2	8	23	2	2.28	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	1000	7.12	< 2	7	18	1	2.45	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	999	7.41	< 2	8	20	1	2.10	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1003	7.29	< 2	8	20	1	1.98	< 1	< 0.06	< 0.00001
31	CA10021-APR16	06-Apr-16	1000	1003	7.35	< 2	7	20	2	2.03	---	---	---
32	CA10058-APR16	13-Apr-16	1000	1000	7.54	< 2	12	30	1	2.97	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1013	7.45	< 2	11	25	2	2.43	---	---	---
34	CA10132-APR16	27-Apr-16	1000	939	7.48	< 2	8	23	2	1.96	---	---	---
35	CA10021-MAY16	04-May-16	1000	926	7.50	< 2	5	22	1	1.95	1	< 0.06	< 0.00001
36	CA10058-MAY16	11-May-16	1000	963	7.47	< 2	8	22	1	1.95	---	---	---
37	CA10100-MAY16	18-May-16	1000	971	7.40	< 2	8	22	1	1.97	---	---	---
38	CA10135-MAY16	25-May-16	1000	990	7.32	< 2	8	22	< 1	2.21	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1014	7.27	< 2	9	26	1	2.55	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	987	7.20	< 2	7	19	1	1.91	< 1	< 0.06	< 0.00001
41	CA10066-JUN16	15-Jun-16	1000	997	7.36	< 2	8	19	1	2.00	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1009	7.45	< 2	10	26	1	2.63	---	---	---
43	CA10135-JUN16	29-Jun-16	1000s	996	7.42	< 2	9	24	1	2.11	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	920	7.58	< 2	8	19	1	1.67	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1024	7.57	< 2	10	24	2	2.31	< 1	< 0.06	0.00002
Terminated													

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-32
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	900	< 0.000002	0.01	0.133	0.00452	< 0.000007	0.003	< 0.000007	< 0.000003	0.000114	0.00026
1	CA10057-SEP15	09-Sep-15	1000	965	0.000006	0.007	0.713	0.00644	< 0.000007	0.0040	< 0.000007	< 0.000003	0.000239	0.00016
2	CA10100-SEP15	16-Sep-15	1000	1002	0.000008	0.004	1.65	0.00449	< 0.000007	0.0035	< 0.000007	< 0.000003	0.000347	0.00027
3	CA10135-SEP15	23-Sep-15	1000	1011	0.000002	0.004	2.38	0.00448	< 0.000007	0.0040	< 0.000007	< 0.000003	0.000289	0.00026
4	CA10168-SEP15	30-Sep-15	1000	982	< 0.000002	0.007	1.64	0.00406	< 0.000007	0.0024	< 0.000007	< 0.000003	0.000188	0.00025
5	CA10023-OCT15	07-Oct-15	1000	968	0.000008	0.009	1.43	0.00367	< 0.000007	0.0016	< 0.000007	< 0.000003	0.000185	0.00030
6	CA10061-OCT15	14-Oct-15	1000	995	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1016	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1005	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1002	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1007	0.000002	0.007	1.22	0.00335	< 0.000007	< 0.0002	< 0.000007	< 0.000003	0.000228	0.00015
11	CA10082-NOV15	18-Nov-15	1000	964	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	930	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	917	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	967	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	978	< 0.000002	0.005	1.05	0.00264	< 0.000007	0.0013	< 0.000007	0.000004	0.000165	0.00017
16	CA10129-DEC15	23-Dec-15	1000	970	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	984	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	966	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	966	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	935	0.000002	0.005	1.12	0.00264	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000196	0.00018
21	CA10145-JAN16	27-Jan-16	1000	994	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1005	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	999	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1001	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1001	< 0.000002	0.002	1.13	0.00340	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000320	< 0.00003
26	CA10024-MAR16	02-Mar-16	1000	1003	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	1004	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	1000	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	999	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1003	< 0.000002	0.001	0.981	0.00314	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000354	< 0.00003
31	CA10021-APR16	06-Apr-16	1000	1003	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	1000	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1013	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	939	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	926	< 0.000002	0.007	0.917	0.00263	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000336	0.00036
36	CA10058-MAY16	11-May-16	1000	963	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	971	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	990	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1014	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	987	0.000065	0.001	0.924	0.00268	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000350	< 0.00003
41	CA10066-JUN16	15-Jun-16	1000	997	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1009	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000s	996	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	920	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1024	< 0.000002	0.003	0.839	0.00370	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000393	0.00007
Terminated														

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-32
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	900	0.00045	< 0.007	5.27	0.000133	1.05	0.00682	0.00028	0.31	0.0015	0.003	0.00004	0.0063
1	CA10057-SEP15	09-Sep-15	1000	965	0.00041	< 0.007	6.49	0.000273	1.23	0.00649	0.00019	0.26	0.0020	< 0.003	0.00003	0.0135
2	CA10100-SEP15	16-Sep-15	1000	1002	0.00061	< 0.007	5.75	0.000371	0.977	0.00740	0.00006	0.16	0.0031	< 0.003	< 0.00001	0.0242
3	CA10135-SEP15	23-Sep-15	1000	1011	0.00019	< 0.007	5.50	0.000343	0.973	0.00608	0.00015	0.08	0.0026	< 0.003	< 0.00001	0.0249
4	CA10168-SEP15	30-Sep-15	1000	982	0.00018	0.008	4.21	0.000301	0.766	0.00515	0.00010	0.04	0.0013	< 0.003	< 0.00001	0.0129
5	CA10023-OCT15	07-Oct-15	1000	968	0.00168	0.009	4.78	0.000314	0.736	0.00447	0.00005	0.03	0.0012	< 0.003	0.00011	0.0104
6	CA10061-OCT15	14-Oct-15	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1005	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1002	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1007	0.00023	< 0.007	4.22	0.000332	0.696	0.00605	0.00003	<0.01	0.0017	0.008	< 0.00001	0.0091
11	CA10082-NOV15	18-Nov-15	1000	964	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	930	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	917	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	967	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	978	0.00020	< 0.007	3.80	0.000384	0.541	0.00376	0.00036	0.05	0.0009	< 0.003	< 0.00001	0.0070
16	CA10129-DEC15	23-Dec-15	1000	970	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	966	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	966	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	935	0.00005	0.007	4.03	0.000400	0.518	0.00266	< 0.00001	<0.01	0.0009	0.003	< 0.00001	0.0051
21	CA10145-JAN16	27-Jan-16	1000	994	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1005	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1001	0.00037	< 0.007	2.20	0.000366	0.587	0.00370	< 0.00001	< 0.01	0.0020	< 0.003	< 0.00001	0.0047
26	CA10024-MAR16	02-Mar-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	999	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1003	0.00010	< 0.007	1.77	0.000339	0.533	0.00396	< 0.00001	< 0.01	0.0022	< 0.003	< 0.00001	0.0036
31	CA10021-APR16	06-Apr-16	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1013	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	939	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	926	0.00012	0.011	2.99	0.000338	0.415	0.00281	< 0.00001	< 0.01	0.0015	< 0.003	< 0.00001	0.0032
36	CA10058-MAY16	11-May-16	1000	963	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	971	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	990	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1014	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	987	0.00008	< 0.007	1.76	0.000352	0.463	0.00316	0.00001	< 0.01	0.0024	< 0.003	< 0.00001	0.0030
41	CA10066-JUN16	15-Jun-16	1000	997	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1009	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000s	996	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	920	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1024	0.00005	< 0.007	3.41	0.000514	0.489	0.00409	0.00003	< 0.01	0.0025	< 0.003	< 0.00001	0.0048
Terminated																

Humidity Cell Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV-32
Weight: 1 kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10018-SEP15	02-Sep-15	1000	900	0.00009	0.0141	0.00054	< 0.00005	0.000011	0.000007	0.00276	< 0.002
1	CA10057-SEP15	09-Sep-15	1000	965	0.00010	0.0156	0.00024	< 0.00005	0.000012	0.000002	0.00511	< 0.002
2	CA10100-SEP15	16-Sep-15	1000	1002	0.00013	0.0125	0.00006	< 0.00005	0.000015	0.000004	0.00587	< 0.002
3	CA10135-SEP15	23-Sep-15	1000	1011	0.00020	0.0120	0.00003	< 0.00005	0.000012	0.000009	0.00627	< 0.002
4	CA10168-SEP15	30-Sep-15	1000	982	0.00018	0.01041	0.00005	0.00014	0.000012	0.000011	0.00527	< 0.002
5	CA10023-OCT15	07-Oct-15	1000	968	0.00014	0.00999	0.00052	0.00018	< 0.000005	0.000008	0.00483	0.002
6	CA10061-OCT15	14-Oct-15	1000	995	---	---	---	---	---	---	---	---
7	CA10093-OCT15	21-Oct-15	1000	1016	---	---	---	---	---	---	---	---
8	CA10141-OCT15	28-Oct-15	1000	1005	---	---	---	---	---	---	---	---
9	CA10021-NOV15	04-Nov-15	1000	1002	---	---	---	---	---	---	---	---
10	CA10051-NOV15	11-Nov-15	1000	1007	0.00017	0.00880	0.00002	< 0.00005	0.000020	0.000004	0.00348	< 0.002
11	CA10082-NOV15	18-Nov-15	1000	964	---	---	---	---	---	---	---	---
12	CA10113-NOV15	25-Nov-15	1000	930	---	---	---	---	---	---	---	---
13	CA10021-DEC15	02-Dec-15	1000	917	---	---	---	---	---	---	---	---
14	CA10056-DEC15	09-Dec-15	1000	967	---	---	---	---	---	---	---	---
15	CA10093-DEC15	16-Dec-15	1000	978	0.00013	0.00621	0.00006	< 0.00005	0.000005	0.000003	0.00342	< 0.002
16	CA10129-DEC15	23-Dec-15	1000	970	---	---	---	---	---	---	---	---
17	CA10162-DEC15	30-Dec-15	1000	984	---	---	---	---	---	---	---	---
18	CA10024-JAN16	06-Jan-16	1000	966	---	---	---	---	---	---	---	---
19	CA10061-JAN16	13-Jan-16	1000	966	---	---	---	---	---	---	---	---
20	CA10102-JAN16	20-Jan-16	1000	935	0.00014	0.00612	0.00010	0.00006	0.000015	< 0.000002	0.00354	< 0.002
21	CA10145-JAN16	27-Jan-16	1000	994	---	---	---	---	---	---	---	---
22	CA10027-FEB16	03-Feb-16	1000	1005	---	---	---	---	---	---	---	---
23	CA10069-FEB16	10-Feb-16	1000	999	---	---	---	---	---	---	---	---
24	CA10110-FEB16	17-Feb-16	1000	1001	---	---	---	---	---	---	---	---
25	CA10154-FEB16	24-Feb-16	1000	1001	0.00010	0.00670	0.00002	0.00005	0.000016	0.000002	0.00226	< 0.002
26	CA10024-MAR16	02-Mar-16	1000	1003	---	---	---	---	---	---	---	---
27	CA10060-MAR16	09-Mar-16	1000	1004	---	---	---	---	---	---	---	---
28	CA10097-MAR16	16-Mar-16	1000	1000	---	---	---	---	---	---	---	---
29	CA10141-MAR16	23-Mar-16	1000	999	---	---	---	---	---	---	---	---
30	CA10176-MAR16	30-Mar-16	1000	1003	0.00008	0.00622	< 0.00001	< 0.00005	0.000014	0.000002	0.00188	< 0.002
31	CA10021-APR16	06-Apr-16	1000	1003	---	---	---	---	---	---	---	---
32	CA10058-APR16	13-Apr-16	1000	1000	---	---	---	---	---	---	---	---
33	CA10100-APR16	20-Apr-16	1000	1013	---	---	---	---	---	---	---	---
34	CA10132-APR16	27-Apr-16	1000	939	---	---	---	---	---	---	---	---
35	CA10021-MAY16	04-May-16	1000	926	0.00019	0.00544	0.00006	0.00012	0.000010	0.000002	0.00212	< 0.002
36	CA10058-MAY16	11-May-16	1000	963	---	---	---	---	---	---	---	---
37	CA10100-MAY16	18-May-16	1000	971	---	---	---	---	---	---	---	---
38	CA10135-MAY16	25-May-16	1000	990	---	---	---	---	---	---	---	---
39	CA10003-JUN16	01-Jun-16	1000	1014	---	---	---	---	---	---	---	---
40	CA10035-JUN16	08-Jun-16	1000	987	0.00009	0.00514	0.00007	0.00006	0.000012	0.000004	0.00145	< 0.002
41	CA10066-JUN16	15-Jun-16	1000	997	---	---	---	---	---	---	---	---
42	CA10097-JUN16	22-Jun-16	1000	1009	---	---	---	---	---	---	---	---
43	CA10135-JUN16	29-Jun-16	1000s	996	---	---	---	---	---	---	---	---
44	CA10025-JUL16	06-Jul-16	1000	920	---	---	---	---	---	---	---	---
45	CA10062-JUL16	13-Jul-16	1000	1024	0.00014	0.00585	< 0.00001	< 0.00005	0.000020	0.000004	0.00135	< 0.002
Terminated												

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	6000	2597	7.94	< 2	38	304	73	19.6	14	0.21	0.00003	< 0.000002
1	CA10024-OCT15	07-Oct-15	6000	5555	8.15	< 2	58	564	180	48.4	20	0.36	< 0.00001	0.000041
2	CA10062-OCT15	14-Oct-15	6000	5929	8.00	< 2	54	459	140	41.7	7	0.35	< 0.00001	0.000003
3	CA10094-OCT15	21-Oct-15	6000	5999	7.90	< 2	47	338	96	28.5	3	0.38	< 0.00001	< 0.000002
4	CA10142-OCT15	28-Oct-15	6000	6010	8.14	< 2	46	259	64	22.1	1	0.37	< 0.00001	< 0.000002
5	CA10022-NOV15	04-Nov-15	6000	6019	8.14	< 2	46	223	54	17.6	< 1	0.35	< 0.00001	< 0.000002
6	CA10052-NOV15	11-Nov-15	6000	6044	8.03	< 2	42	198	52	19.0	---	---	---	---
7	CA10083-NOV15	18-Nov-15	6000	5753	8.10	< 2	43	229	60	21.4	---	---	---	---
8	CA10114-NOV15	25-Nov-15	6000	5746	7.89	< 2	46	318	100	34.7	---	---	---	---
9	CA10022-DEC15	02-Dec-15	6000	5742	7.85	< 2	46	386	130	48.7	---	---	---	---
10	CA10057-DEC15	09-Dec-15	6000	6045	7.87	< 2	44	390	130	44.6	< 1	0.24	< 0.00001	0.000007
11	CA10094-DEC15	16-Dec-15	6000	5902	7.85	< 2	39	278	96	32.4	---	---	---	---
12	CA10130-DEC15	23-Dec-15	6000	5969	7.92	< 2	39	271	87	31.0	---	---	---	---
13	CA10163-DEC15	30-Dec-15	6000	5856	7.87	< 2	40	257	84	26.1	---	---	---	---
14	CA10025-JAN16	06-Jan-16	6000	5913	7.91	< 2	38	245	72	25.5	---	---	---	---
15	CA10062-JAN16	13-Jan-16	6000	6177	7.90	< 2	40	234	69	23.7	< 1	0.21	< 0.00001	< 0.000002
16	CA10103-JAN16	20-Jan-16	6000	5966	7.89	< 2	36	185	58	22.2	---	---	---	---
17	CA10146-JAN16	27-Jan-16	6000	5987	7.89	< 2	37	190	57	21.9	---	---	---	---
18	CA10028-FEB16	03-Feb-16	6000	6010	7.73	< 2	47	191	52	20.0	---	---	---	---
19	CA10070-FEB16	10-Feb-16	6000	5968	7.87	< 2	37	192	53	20.4	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	785	7.95	< 2	57	346	96	39.4	< 1	0.27	< 0.00001	< 0.000002
21	CA10155-FEB16	24-Feb-16	750	748	8.15	< 2	66	493	130	65.8	< 1	0.29	< 0.00001	< 0.000002
22	CA10025-MAR16	02-Mar-16	750	742	8.01	< 2	65	572	220	78.9	< 1	0.29	< 0.00001	< 0.000002
23	CA10061-MAR16	09-Mar-16	13500 / flooded	13076	7.95	< 2	38	304	94	38.4	< 1	0.22	< 0.00001	< 0.000002
24	CA10098-MAR16	16-Mar-16	6000	6412	7.68	< 2	40	195	55	24.1	< 1	0.22	< 0.00001	< 0.000002
25	CA10142-MAR16	23-Mar-16	6000	6070	7.93	< 2	35	169	42	21.3	< 1	0.16	< 0.00001	< 0.000002
26	CA10177-MAR16	30-Mar-16	6000	6002	7.87	< 2	36	163	40	19.1	---	---	---	---
27	CA10022-APR16	06-Apr-16	6000	6064	7.91	< 2	36	166	40	20.2	---	---	---	---
28	CA10059-APR16	13-Apr-16	6000	5983	7.86	< 2	34	163	39	20.6	---	---	---	---
29	CA10101-APR16	20-Apr-16	6000	6099	7.85	< 2	37	153	33	19.7	---	---	---	---
30	CA10133-APR16	27-Apr-16	6000	6083	7.82	< 2	34	162	37	18.7	< 1	0.11	< 0.00001	< 0.000002
31	CA10022-MAY16	04-May-16	6000	5958	7.94	< 2	34	157	38	20.4	---	---	---	---
32	CA10059-MAY16	11-May-16	6000	5858	7.78	< 2	27	112	22	14.1	---	---	---	---
33	CA10101-MAY16	18-May-16	6000	6029	7.95	< 2	33	151	32	17.5	---	---	---	---
34	CA10136-MAY16	25-May-16	6000	6122	7.95	< 2	33	148	35	18.2	---	---	---	---
35	CA10004-JUN16	01-Jun-16	6000	5933	7.95	< 2	33	146	31	17.6	< 1	0.09	< 0.00001	< 0.000002
36	CA10036-JUN16	08-Jun-16	6000	5985	7.91	< 2	30	135	30	16.2	---	---	---	---
37	CA10067-JUN16	15-Jun-16	6000	6064	7.81	< 2	31	132	26	15.0	---	---	---	---
38	CA10098-JUN16	22-Jun-16	6000	5970	7.94	< 2	34	148	31	17.8	---	---	---	---
39	CA10136-JUN16	29-Jun-16	6000	6164	7.87	< 2	36	141	31	17.2	---	---	---	---
40	CA10026-JUL16	06-Jul-16	6000	5944	7.95	< 2	31	126	27	14.7	< 1	0.09	< 0.00001	< 0.000002
41	CA10063-JUL16	13-Jul-16	6000	6081	7.70	< 2	32	141	28	15.2	---	---	---	---
42	CA10100-JUL16	20-Jul-16	6000	5894	7.91	< 2	28	124	26	15.9	---	---	---	---
43	CA10134-JUL16	27-Jul-16	6000	6148	7.92	< 2	29	127	27	15.4	---	---	---	---
44	CA10031-AUG16	03-Aug-16	6000	6016	7.99	< 2	33	129	26	14.2	---	---	---	---
45	CA10066-AUG16	10-Aug-16	6000	5982	7.74	< 2	30	127	25	15.9	< 1	0.07	< 0.00001	< 0.000002
46	CA10101-AUG16	17-Aug-16	6000	6034	7.69	< 2	33	139	29	16.8	---	---	---	---
47	CA10137-AUG16	24-Aug-16	6000	6031	7.86	< 2	31	129	27	15.9	---	---	---	---
48	CA10173-AUG16	31-Aug-16	6000	6030	7.80	< 2	30	123	26	14.4	---	---	---	---
49	CA10026-SEP16	07-Sep-16	6000	6037	7.61	< 2	31	126	25	16.5	---	---	---	---
50	CA10062-SEP16	14-Sep-16	6000	5990	7.81	< 2	33	132	28	16.3	< 1	0.08	< 0.00001	< 0.000002
51	CA10102-SEP16	21-Sep-16	6000	5948	7.86	< 2	34	125	23	14.9	---	---	---	---
52	CA10137-SEP16	28-Sep-16	6000	6099	7.68	< 2	32	121	22	14.8	---	---	---	---
53	CA10004-OCT16	05-Oct-16	6000	6001	7.88	< 2	31	122	23	15.2	---	---	---	---
54	CA10060-OCT16	12-Oct-16	6000	6026	7.91	< 2	32	125	25	15.5	---	---	---	---
55	CA10095-OCT16	19-Oct-16	6000	5595	7.87	< 2	31	121	25	14.8	<1	0.07	< 0.00001	< 0.000002

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	6000	2597	0.04	0.0159	0.0308	< 0.000007	0.0225	< 0.000007	0.000011	0.000242	0.00039	0.00139	0.007
1	CA10024-OCT15	07-Oct-15	6000	5555	0.038	0.0343	0.0590	< 0.000007	0.0733	0.000013	0.000060	0.000792	0.00007	0.00227	< 0.007
2	CA10062-OCT15	14-Oct-15	6000	5929	0.042	0.0464	0.0460	< 0.000007	0.0649	< 0.000007	0.000065	0.000760	0.00007	0.00157	< 0.007
3	CA10094-OCT15	21-Oct-15	6000	5999	0.058	0.0357	0.0266	< 0.000007	0.0634	< 0.000007	0.000020	0.000421	0.00006	0.00096	< 0.007
4	CA10142-OCT15	28-Oct-15	6000	6010	0.056	0.0431	0.0275	< 0.000007	0.0369	< 0.000007	0.000013	0.000320	0.00009	0.00099	0.040
5	CA10022-NOV15	04-Nov-15	6000	6019	0.079	0.0427	0.0242	< 0.000007	0.0239	< 0.000007	0.000017	0.000273	< 0.00003	0.00046	< 0.007
6	CA10052-NOV15	11-Nov-15	6000	6044	---	---	---	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	6000	5753	---	---	---	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	6000	5746	---	---	---	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	6000	5742	---	---	---	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	6000	6045	0.059	0.0633	0.0534	0.000008	0.0218	0.000011	0.000015	0.000605	0.00004	0.00067	< 0.007
11	CA10094-DEC15	16-Dec-15	6000	5902	---	---	---	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	6000	5969	---	---	---	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	6000	5856	---	---	---	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	6000	5913	---	---	---	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	6000	6177	0.071	0.0632	0.0266	< 0.000007	0.0128	< 0.000007	0.000006	0.000264	0.00004	0.00016	< 0.007
16	CA10103-JAN16	20-Jan-16	6000	5966	---	---	---	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	6000	5987	---	---	---	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	6000	6010	---	---	---	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	6000	5968	---	---	---	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	785	0.041	0.0805	0.0493	< 0.000007	0.014	< 0.000007	0.000011	0.000257	0.00004	0.00049	< 0.007
21	CA10155-FEB16	24-Feb-16	750	748	0.037	0.0757	0.115	< 0.000007	0.028	< 0.000007	0.000012	0.000458	0.00003	0.00089	< 0.007
22	CA10025-MAR16	02-Mar-16	750	742	0.033	0.0858	0.0996	< 0.000007	0.024	< 0.000007	0.000024	0.000407	0.00004	0.00174	< 0.007
23	CA10061-MAR16	09-Mar-16	13500 / flooded	13076	0.067	0.0915	0.0385	< 0.000007	0.012	< 0.000007	0.000010	0.000303	0.00009	0.00049	0.007
24	CA10098-MAR16	16-Mar-16	6000	6412	0.081	0.104	0.0261	< 0.000007	0.013	< 0.000007	< 0.000003	0.000180	0.00009	0.00025	< 0.007
25	CA10142-MAR16	23-Mar-16	6000	6070	0.083	0.0950	0.0221	< 0.000007	0.009	< 0.000007	< 0.000003	0.000174	0.00007	0.00035	< 0.007
26	CA10177-MAR16	30-Mar-16	6000	6002	---	---	---	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	6000	6064	---	---	---	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	6000	5983	---	---	---	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	6000	6099	---	---	---	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	6000	6083	0.083	0.0854	0.0218	< 0.000007	0.007	< 0.000007	0.000004	0.000134	0.00011	0.00023	< 0.007
31	CA10022-MAY16	04-May-16	6000	5958	---	---	---	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	6000	5858	---	---	---	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	6000	6029	---	---	---	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	6000	6122	---	---	---	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	6000	5933	0.080	0.0905	0.0220	< 0.000007	0.005	< 0.000007	0.000009	0.000134	0.00015	0.00021	0.008
36	CA10036-JUN16	08-Jun-16	6000	5985	---	---	---	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	6000	6064	---	---	---	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	6000	5970	---	---	---	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	6000	6164	---	---	---	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	6000	5944	0.087	0.0790	0.0190	< 0.000007	0.004	< 0.000007	0.000003	0.000165	0.00013	0.00024	< 0.007
41	CA10063-JUL16	13-Jul-16	6000	6081	---	---	---	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	6000	5894	---	---	---	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	6000	6148	---	---	---	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	6000	6016	---	---	---	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	6000	5982	0.076	0.0683	0.0201	< 0.000007	0.004	< 0.000007	0.000007	0.000090	0.00013	0.00023	< 0.007
46	CA10101-AUG16	17-Aug-16	6000	6034	---	---	---	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	6000	6031	---	---	---	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	6000	6030	---	---	---	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	6000	6037	---	---	---	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	6000	5990	0.087	0.0688	0.0208	< 0.000007	0.004	< 0.000007	0.000004	0.000113	0.00016	0.00022	< 0.007
51	CA10102-SEP16	21-Sep-16	6000	5948	---	---	---	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	6000	6099	---	---	---	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	6000	6001	---	---	---	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	6000	6026	---	---	---	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	6000	5595	0.069	0.0558	0.0200	< 0.000007	0.003	< 0.000007	0.000004	0.000082	0.00010	0.00030	< 0.007

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	6000	2597	30.4	0.00375	5.52	0.00928	0.00548	8.22	0.0027	0.011	0.00038	0.0025	0.00158	0.108
1	CA10024-OCT15	07-Oct-15	6000	5555	47.0	0.0119	16.4	0.0598	0.0203	14.1	0.0082	< 0.003	0.00130	0.0077	0.00365	0.301
2	CA10062-OCT15	14-Oct-15	6000	5929	37.1	0.00976	12.5	0.0523	0.0197	9.99	0.0057	< 0.003	0.00066	0.0060	0.00361	0.244
3	CA10094-OCT15	21-Oct-15	6000	5999	27.2	0.00850	9.76	0.0388	0.0135	6.91	0.0041	0.055	0.00025	0.0049	0.00166	0.149
4	CA10142-OCT15	28-Oct-15	6000	6010	22.6	0.00719	6.23	0.0277	0.0101	4.75	0.0025	< 0.003	0.00017	0.0051	0.00134	0.139
5	CA10022-NOV15	04-Nov-15	6000	6019	19.5	0.00388	5.82	0.0218	0.00819	3.90	0.0017	< 0.003	0.00014	0.0049	0.00212	0.100
6	CA10052-NOV15	11-Nov-15	6000	6044	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	6000	5753	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	6000	5746	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	6000	5742	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	6000	6045	25.8	0.00826	9.25	0.0494	0.00482	2.19	0.0017	< 0.003	0.00011	0.0043	0.00101	0.242
11	CA10094-DEC15	16-Dec-15	6000	5902	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	6000	5969	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	6000	5856	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	6000	5913	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	6000	6177	16.2	0.00510	3.86	0.0200	0.00255	1.22	0.0006	< 0.003	0.00003	0.0028	0.00062	0.128
16	CA10103-JAN16	20-Jan-16	6000	5966	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	6000	5987	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	6000	6010	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	6000	5968	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	785	20.3	0.00617	5.97	0.0235	0.00482	1.19	0.0007	< 0.003	0.00004	0.0032	0.00088	0.215
21	CA10155-FEB16	24-Feb-16	750	748	30.0	0.0119	10.1	0.0395	0.00783	1.90	0.0011	< 0.003	0.00013	0.0058	0.00116	0.339
22	CA10025-MAR16	02-Mar-16	750	742	35.0	0.00896	12.6	0.0373	0.00950	2.30	0.0014	< 0.003	0.00009	0.0043	0.00230	0.421
23	CA10061-MAR16	09-Mar-16	13500 / flooded	13076	20.1	0.00579	5.92	0.0137	0.00443	1.08	0.0008	< 0.003	0.00006	0.0026	0.00073	0.193
24	CA10098-MAR16	16-Mar-16	6000	6412	16.2	0.00464	3.44	0.00650	0.00329	0.75	0.0005	< 0.003	0.00012	0.0026	0.00063	0.127
25	CA10142-MAR16	23-Mar-16	6000	6070	13.6	0.00386	2.88	0.00525	0.00296	0.55	0.0004	< 0.003	0.00004	0.0022	0.00063	0.103
26	CA10177-MAR16	30-Mar-16	6000	6002	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	6000	6064	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	6000	5983	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	6000	6099	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	6000	6083	11.7	0.00344	2.40	0.00252	0.00370	0.43	0.0003	< 0.003	0.00005	0.0019	0.00048	0.0962
31	CA10022-MAY16	04-May-16	6000	5958	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	6000	5858	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	6000	6029	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	6000	6122	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	6000	5933	11.6	0.00314	2.24	0.00199	0.00446	0.38	0.0003	< 0.003	0.00007	0.0018	0.00071	0.0923
36	CA10036-JUN16	08-Jun-16	6000	5985	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	6000	6064	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	6000	5970	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	6000	6164	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	6000	5944	10.7	0.00271	1.93	0.00200	0.00379	0.29	0.0003	< 0.003	0.00004	0.0014	0.00062	0.0776
41	CA10063-JUL16	13-Jul-16	6000	6081	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	6000	5894	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	6000	6148	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	6000	6016	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	6000	5982	9.53	0.00246	1.77	0.00198	0.00406	0.27	0.0002	< 0.003	0.00002	0.0017	0.00049	0.0781
46	CA10101-AUG16	17-Aug-16	6000	6034	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	6000	6031	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	6000	6030	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	6000	6037	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	6000	5990	10.2	0.0026	1.83	0.00169	0.00406	0.25	0.0002	< 0.003	0.00003	0.0020	0.00044	0.0833
51	CA10102-SEP16	21-Sep-16	6000	5948	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	6000	6099	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	6000	6001	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	6000	6026	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	6000	5595	9.22	0.0029	1.55	0.00192	0.00266	0.26	0.0002	< 0.003	0.00003	0.0015	0.00036	0.0808

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+	
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
0	CA10189-SEP15	30-Sep-15	6000	2597	0.00046	0.0003	0.000028	0.000781	0.00178	< 0.002	---	---	
1	CA10024-OCT15	07-Oct-15	6000	5555	0.00036	0.00007	0.000065	0.0189	0.00262	< 0.002	---	---	
2	CA10062-OCT15	14-Oct-15	6000	5929	0.00039	0.00012	0.000073	0.0159	0.00281	< 0.002	---	---	
3	CA10094-OCT15	21-Oct-15	6000	5999	0.00026	0.00014	0.000063	0.0107	0.00279	< 0.002	---	---	
4	CA10142-OCT15	28-Oct-15	6000	6010	0.00008	0.00040	0.000024	0.00590	0.00320	< 0.002	---	---	
5	CA10022-NOV15	04-Nov-15	6000	6019	0.00020	0.00009	0.000032	0.00490	0.00333	< 0.002	---	---	
6	CA10052-NOV15	11-Nov-15	6000	6044	---	---	---	---	---	---	---	---	
7	CA10083-NOV15	18-Nov-15	6000	5753	---	---	---	---	---	---	---	---	
8	CA10114-NOV15	25-Nov-15	6000	5746	---	---	---	---	---	---	---	---	
9	CA10022-DEC15	02-Dec-15	6000	5742	---	---	---	---	---	---	---	---	
10	CA10057-DEC15	09-Dec-15	6000	6045	0.00034	0.00008	0.000044	0.0186	0.00282	< 0.002	---	---	
11	CA10094-DEC15	16-Dec-15	6000	5902	---	---	---	---	---	---	---	---	
12	CA10130-DEC15	23-Dec-15	6000	5969	---	---	---	---	---	---	---	---	
13	CA10163-DEC15	30-Dec-15	6000	5856	---	---	---	---	---	---	---	---	
14	CA10025-JAN16	06-Jan-16	6000	5913	---	---	---	---	---	---	---	---	
15	CA10062-JAN16	13-Jan-16	6000	6177	0.00015	0.00012	0.000024	0.00651	0.00260	< 0.002	---	---	
16	CA10103-JAN16	20-Jan-16	6000	5966	---	---	---	---	---	---	---	---	
17	CA10146-JAN16	27-Jan-16	6000	5987	---	---	---	---	---	---	---	---	
18	CA10028-FEB16	03-Feb-16	6000	6010	---	---	---	---	---	---	---	---	
19	CA10070-FEB16	10-Feb-16	6000	5968	---	---	---	---	---	---	---	---	
20	CA10111-FEB16	17-Feb-16	750	785	0.00034	< 0.00005	0.000045	0.0153	0.00259	< 0.002	---	---	
21	CA10155-FEB16	24-Feb-16	750	748	0.00098	< 0.00005	0.000113	0.0431	0.00288	< 0.002	---	---	
22	CA10025-MAR16	02-Mar-16	750	742	0.00066	< 0.00005	0.000080	0.0368	0.00298	< 0.002	---	---	
23	CA10061-MAR16	09-Mar-16	13500 / flooded	13076	0.00013	0.00025	0.000049	0.0136	0.00289	< 0.002	---	---	
24	CA10098-MAR16	16-Mar-16	6000	6412	0.00005	0.00029	0.000034	0.005673	0.00320	< 0.002	---	---	
25	CA10142-MAR16	23-Mar-16	6000	6070	0.00006	0.00021	0.000032	0.00412	0.00286	< 0.002	---	---	
26	CA10177-MAR16	30-Mar-16	6000	6002	---	---	---	---	---	---	---	---	
27	CA10022-APR16	06-Apr-16	6000	6064	---	---	---	---	---	---	---	---	
28	CA10059-APR16	13-Apr-16	6000	5983	---	---	---	---	---	---	---	---	
29	CA10101-APR16	20-Apr-16	6000	6099	---	---	---	---	---	---	---	---	
30	CA10133-APR16	27-Apr-16	6000	6083	0.00013	0.00032	0.000030	0.00393	0.00258	< 0.002	---	---	
31	CA10022-MAY16	04-May-16	6000	5958	---	---	---	---	---	---	---	---	
32	CA10059-MAY16	11-May-16	6000	5858	---	---	---	---	---	---	---	---	
33	CA10101-MAY16	18-May-16	6000	6029	---	---	---	---	---	---	---	---	
34	CA10136-MAY16	25-May-16	6000	6122	---	---	---	---	---	---	---	---	
35	CA10004-JUN16	01-Jun-16	6000	5933	0.00012	0.00048	0.000030	0.00342	0.00236	< 0.002	---	---	
36	CA10036-JUN16	08-Jun-16	6000	5985	---	---	---	---	---	---	---	---	
37	CA10067-JUN16	15-Jun-16	6000	6064	---	---	---	---	---	---	---	---	
38	CA10098-JUN16	22-Jun-16	6000	5970	---	---	---	---	---	---	---	---	
39	CA10136-JUN16	29-Jun-16	6000	6164	---	---	---	---	---	---	---	---	
40	CA10026-JUL16	06-Jul-16	6000	5944	0.00008	0.00027	0.000027	0.00259	0.00211	< 0.002	---	---	
41	CA10063-JUL16	13-Jul-16	6000	6081	---	---	---	---	---	---	---	---	
42	CA10100-JUL16	20-Jul-16	6000	5894	---	---	---	---	---	---	---	---	
43	CA10134-JUL16	27-Jul-16	6000	6148	---	---	---	---	---	---	---	---	
44	CA10031-AUG16	03-Aug-16	6000	6016	---	---	---	---	---	---	---	---	
45	CA10066-AUG16	10-Aug-16	6000	5982	0.00009	0.00021	0.000023	0.00270	0.00190	< 0.002	---	---	
46	CA10101-AUG16	17-Aug-16	6000	6034	---	---	---	---	---	---	---	---	
47	CA10137-AUG16	24-Aug-16	6000	6031	---	---	---	---	---	---	---	---	
48	CA10173-AUG16	31-Aug-16	6000	6030	---	---	---	---	---	---	---	---	
49	CA10026-SEP16	07-Sep-16	6000	6037	---	---	---	---	---	---	---	---	
50	CA10062-SEP16	14-Sep-16	6000	5990	0.00009	0.00032	0.000032	0.00278	0.00197	< 0.002	---	---	
51	CA10102-SEP16	21-Sep-16	6000	5948	---	---	---	---	---	---	---	---	
52	CA10137-SEP16	28-Sep-16	6000	6099	---	---	---	---	---	---	---	---	
53	CA10004-OCT16	05-Oct-16	6000	6001	---	---	---	---	---	---	---	---	
54	CA10060-OCT16	12-Oct-16	6000	6026	---	---	---	---	---	---	---	---	
55	CA10095-OCT16	19-Oct-16	6000	5595	< 0.00001	0.00017	0.000030	0.00257	0.00179	< 0.002	---	---	

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	6000	5938	7.84	< 2	32	121	23	14.9	---	---	---	---
57	CA10022-NOV16	02-Nov-16	6000	5973	7.96	< 2	45	120	23	15.2	---	---	---	---
58	CA10057-NOV16	09-Nov-16	6000	6092	7.87	< 2	30	124	24	15.8	---	---	---	---
59	CA10091-NOV16	16-Nov-16	6000	5951	7.32	< 2	31	126	26	15.8	---	---	---	---
60	CA10124-NOV16	23-Nov-16	6000	6020	7.68	< 2	30	117	25	15.3	< 1	< 0.06	< 0.00001	< 0.000002
61	CA10165-NOV16	30-Nov-16	6000	5956	7.86	< 2	29	118	23	15.6	---	---	---	---
62	CA10020-DEC16	07-Dec-16	6000	6052	7.47	< 2	32	123	23	15.2	---	---	---	---
63	CA10051-DEC16	14-Dec-16	6000	5842	7.67	< 2	28	117	22	13.8	---	---	---	---
64	CA10083-DEC16	21-Dec-16	6000	6145	7.81	< 2	34	125	26	15.0	---	---	---	---
65	CA10114-DEC16	28-Dec-16	6000	6088	7.85	< 2	30	112	24	14.5	< 1	0.06	< 0.00001	< 0.00005
66	CA10020-JAN17	04-Jan-17	6000	5845	8.05	< 2	29	115	23	15.7	---	---	---	---
67	CA10052-JAN17	11-Jan-17	6000	5955	7.89	< 2	30	118	22	15.9	---	---	---	---
68	CA10086-JAN17	18-Jan-17	6000	5942	7.86	< 2	30	120	24	15.2	---	---	---	---
69	CA10122-JAN17	25-Jan-17	6000	5976	7.88	< 2	29	118	24	15.0	---	---	---	---
70	CA10007-FEB17	01-Feb-17	6000	6164	7.93	< 2	28	115	23	14.7	< 1	0.06	< 0.00001	< 0.00005
71	CA10043-FEB17	08-Feb-17	6000	5963	7.88	< 2	29	119	25	14.6	---	---	---	---
72	CA10088-FEB17	15-Feb-17	6000	5894	7.85	< 2	29	116	24	15.3	---	---	---	---
73	CA10125-FEB17	22-Feb-17	6000	5960	7.95	< 2	29	123	26	14.2	---	---	---	---
74	CA10008-MAR17	01-Mar-17	6000	6061	7.80	< 2	29	126	25	15.5	---	---	---	---
75	CA10045-MAR17	08-Mar-17	6000	5998	7.60	< 2	29	123	25	15.5	< 1	< 0.06	< 0.00001	< 0.00005
76	CA10081-MAR17	15-Mar-17	6000	5943	7.89	< 2	30	124	26	15.3	---	---	---	---
77	CA10120-MAR17	22-Mar-17	6000	6071	7.70	< 2	30	126	26	16.7	---	---	---	---
78	CA10155-MAR17	29-Mar-17	6000	5950	7.90	< 2	31	121	26	16.9	---	---	---	---
79	CA10026-APR17	05-Apr-17	6000	5927	7.94	< 2	30	132	28	15.9	---	---	---	---
80	CA10064-APR17	12-Apr-17	6000	6103	7.73	< 2	29	124	28	17.5	< 1	< 0.06	< 0.00001	< 0.00005
81	CA10101-APR17	19-Apr-17	6000	5960	7.79	< 2	28	123	24	15.8	---	---	---	---
82	CA10138-APR17	26-Apr-17	6000	5998	7.89	< 2	28	122	25	16.5	---	---	---	---
83	CA10036-MAY17	03-May-17	6000	6054	7.92	< 2	31	126	24	16.9	---	---	---	---
84	CA10063-MAY17	10-May-17	6000	5990	7.83	< 2	32	121	27	15.6	---	---	---	---
85	CA10099-MAY17	17-May-17	6000	5959	7.83	< 2	27	111	25	15.2	< 1	< 0.06	0.00001	< 0.00005
86	CA10135-MAY17	24-May-17	6000	6057	7.73	< 2	31	134	28	17.2	---	---	---	---
87	CA10171-MAY17	31-May-17	6000	5866	7.45	< 2	32	116	23	13.4	---	---	---	---
88	CA10024-JUN17	07-Jun-17	6000	6046	7.92	< 2	32	118	23	15.0	---	---	---	---
89	CA10069-JUN17	14-Jun-17	6000	5985	7.97	< 2	36	118	24	13.0	---	---	---	---
90	CA10096-JUN17	21-Jun-17	6000	5992	7.88	< 2	29	116	23	13.5	< 1	< 0.06	< 0.00001	< 0.00005
91	CA10127-JUN17	28-Jun-17	6000	6013	7.86	< 2	30	110	20	13.8	---	---	---	---
92	---	05-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---
93	---	12-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---
94	---	19-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---
95	---	26-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---
96	CA10012-AUG17	02-Aug-17	6000	6048	7.88	< 2	31	164	45	21.3	< 1	< 0.06	0.00002	< 0.00005
97	---	09-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---
98	---	16-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---
99	---	23-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---
100	---	30-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---
101	CA10023-SEP17	06-Sep-17	6000	5919	7.79	< 2	31	210	70	29.7	< 1	< 0.06	< 0.00001	< 0.00005
102	---	13-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---
103	---	20-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---
104	---	27-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---
105	---	04-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---
106	CA10035-OCT17	11-Oct-17	6000	6172	7.76	< 2	30	256	85	37.5	< 1	< 0.06	< 0.00001	< 0.00005
107	---	18-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---
108	---	25-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---
109	---	01-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---
110	---	08-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---
111	CA10077-NOV17	15-Nov-17	6000	5823	7.63	< 2	23	217	76	29.1	< 1	< 0.06	< 0.00001	< 0.00005

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	6000	5938	---	---	---	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	6000	5973	---	---	---	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	6000	6092	---	---	---	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	6000	5951	---	---	---	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	6000	6020	0.071	0.0622	0.0210	< 0.000007	0.003	< 0.000007	0.000003	0.000077	0.00010	0.00020	< 0.007
61	CA10165-NOV16	30-Nov-16	6000	5956	---	---	---	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	6000	6052	---	---	---	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	6000	5842	---	---	---	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	6000	6145	---	---	---	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	6000	6088	0.075	0.0636	0.02019	< 0.000007	0.013	< 0.000007	< 0.000003	0.000068	0.00014	0.00025	< 0.007
66	CA10020-JAN17	04-Jan-17	6000	5845	---	---	---	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	6000	5955	---	---	---	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	6000	5942	---	---	---	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	6000	5976	---	---	---	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	6000	6164	0.070	0.0546	0.0210	< 0.000007	0.004	< 0.000007	0.000004	0.000070	0.00017	0.00029	< 0.007
71	CA10043-FEB17	08-Feb-17	6000	5963	---	---	---	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	6000	5894	---	---	---	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	6000	5960	---	---	---	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	6000	6061	---	---	---	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	6000	5998	0.074	0.0603	0.0227	< 0.000007	0.006	< 0.000007	0.000004	0.000086	0.00013	0.00045	< 0.007
76	CA10081-MAR17	15-Mar-17	6000	5943	---	---	---	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	6000	6071	---	---	---	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	6000	5950	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	6000	5927	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	6000	6103	0.067	0.0490	0.0235	< 0.000007	0.003	< 0.000007	0.000013	0.000139	0.00014	0.00201	< 0.007
81	CA10101-APR17	19-Apr-17	6000	5960	---	---	---	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	6000	5998	---	---	---	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	6000	6054	---	0.0559	---	---	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	6000	5990	---	0.0615	---	---	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	6000	5959	0.064	0.0469	0.0232	< 0.000007	0.002	< 0.000007	0.000003	0.000075	0.00027	0.00027	< 0.007
86	CA10135-MAY17	24-May-17	6000	6057	---	---	---	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	6000	5866	---	---	---	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	6000	6046	---	---	---	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	6000	5985	---	---	---	---	---	---	---	---	---	---	---
90	CA10096-JUN17	21-Jun-17	6000	5992	0.057	0.0453	0.0224	< 0.000007	0.003	< 0.000007	0.000006	0.000069	0.00013	0.00378	< 0.007
91	CA10127-JUN17	28-Jun-17	6000	6013	---	---	---	---	---	---	---	---	---	---	---
92	---	05-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---
93	---	12-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---
94	---	19-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---
95	---	26-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---
96	CA10012-AUG17	02-Aug-17	6000	6048	0.046	0.0383	0.0354	< 0.000007	0.004	< 0.000007	0.000006	0.000124	0.00019	0.00039	< 0.007
97	---	09-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---
98	---	16-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---
99	---	23-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---
100	---	30-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---
101	CA10023-SEP17	06-Sep-17	6000	5919	0.043	0.0353	0.0437	< 0.000007	0.007	< 0.000007	0.000009	0.000986	0.00023	0.00166	< 0.007
102	---	13-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---
103	---	20-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---
104	---	27-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---
105	---	04-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---
106	CA10035-OCT17	11-Oct-17	6000	6172	0.031	0.0334	0.0532	< 0.000007	0.004	< 0.000007	0.000004	0.000191	0.00046	0.00029	< 0.007
107	---	18-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---
108	---	25-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---
109	---	01-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---
110	---	08-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---
111	CA10077-NOV17	15-Nov-17	6000	5823	0.036	0.0360	0.0352	< 0.000007	0.455	0.000050	0.000011	0.000178	0.00005	0.00026	< 0.007

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	6000	5938	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	6000	5973	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	6000	6092	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	6000	5951	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	6000	6020	8.95	0.0023	1.39	0.00192	0.00255	0.21	0.0001	< 0.003	0.00002	0.0012	0.00052	0.0803
61	CA10165-NOV16	30-Nov-16	6000	5956	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	6000	6052	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	6000	5842	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	6000	6145	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	6000	6088	8.08	0.0022	1.41	0.00132	0.00267	0.21	0.0002	0.004	0.00003	0.0011	0.00042	0.0749
66	CA10020-JAN17	04-Jan-17	6000	5845	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	6000	5955	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	6000	5942	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	6000	5976	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	6000	6164	8.19	0.0022	1.42	0.00193	0.00307	0.19	< 0.0001	< 0.003	0.00002	0.0009	0.00033	0.0771
71	CA10043-FEB17	08-Feb-17	6000	5963	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	6000	5894	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	6000	5960	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	6000	6061	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	6000	5998	8.55	0.0023	1.47	0.00209	0.00351	0.22	0.0003	< 0.003	0.00007	0.0010	0.00039	0.0852
76	CA10081-MAR17	15-Mar-17	6000	5943	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	6000	6071	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	6000	5950	---	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	6000	5927	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	6000	6103	8.25	0.0023	1.44	0.00152	0.00418	0.20	0.0003	< 0.003	0.00002	0.0009	0.00051	0.0839
81	CA10101-APR17	19-Apr-17	6000	5960	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	6000	5998	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	6000	6054	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	6000	5990	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	6000	5959	7.90	0.0021	1.37	0.00146	0.00421	0.19	0.0002	< 0.003	0.00002	0.0009	0.00035	0.0817
86	CA10135-MAY17	24-May-17	6000	6057	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	6000	5866	---	---	---	---	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	6000	6046	---	---	---	---	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	6000	5985	---	---	---	---	---	---	---	---	---	---	---	---
90	CA10096-JUN17	21-Jun-17	6000	5992	7.77	0.0021	1.27	0.00133	0.00323	0.17	0.0002	< 0.003	0.00034	0.0007	0.00026	0.0762
91	CA10127-JUN17	28-Jun-17	6000	6013	---	---	---	---	---	---	---	---	---	---	---	---
92	---	05-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
93	---	12-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
94	---	19-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95	---	26-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
96	CA10012-AUG17	02-Aug-17	6000	6048	9.78	0.0027	1.99	0.00220	0.00472	0.25	0.0003	< 0.003	0.00003	0.0009	0.00046	0.114
97	---	09-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
98	---	16-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
99	---	23-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
100	---	30-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
101	CA10023-SEP17	06-Sep-17	6000	5919	11.7	0.0030	2.62	0.00247	0.00505	0.38	0.0014	0.005	< 0.00001	0.0008	0.00049	0.148
102	---	13-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
103	---	20-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
104	---	27-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
105	---	04-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
106	CA10035-OCT17	11-Oct-17	6000	6172	12.4	0.0035	3.12	0.00223	0.00701	0.31	0.0005	< 0.003	0.00004	0.0011	0.00057	0.194
107	---	18-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
108	---	25-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
109	---	01-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
110	---	08-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
111	CA10077-NOV17	15-Nov-17	6000	5823	10.5	0.0026	2.68	0.00303	0.00470	0.40	0.0004	< 0.003	0.00008	0.0010	0.00052	0.147

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+	
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
56	CA10130-OCT16	26-Oct-16	6000	5938	---	---	---	---	---	---	---	---	
57	CA10022-NOV16	02-Nov-16	6000	5973	---	---	---	---	---	---	---	---	
58	CA10057-NOV16	09-Nov-16	6000	6092	---	---	---	---	---	---	---	---	
59	CA10091-NOV16	16-Nov-16	6000	5951	---	---	---	---	---	---	---	---	
60	CA10124-NOV16	23-Nov-16	6000	6020	0.00005	0.00023	0.000020	0.00225	0.00159	< 0.002	---	---	
61	CA10165-NOV16	30-Nov-16	6000	5956	---	---	---	---	---	---	---	---	
62	CA10020-DEC16	07-Dec-16	6000	6052	---	---	---	---	---	---	---	---	
63	CA10051-DEC16	14-Dec-16	6000	5842	---	---	---	---	---	---	---	---	
64	CA10083-DEC16	21-Dec-16	6000	6145	---	---	---	---	---	---	---	---	
65	CA10114-DEC16	28-Dec-16	6000	6088	0.00007	0.00023	0.000027	0.00229	0.00185	< 0.002	---	---	
66	CA10020-JAN17	04-Jan-17	6000	5845	---	---	---	---	---	---	---	---	
67	CA10052-JAN17	11-Jan-17	6000	5955	---	---	---	---	---	---	---	---	
68	CA10086-JAN17	18-Jan-17	6000	5942	---	---	---	---	---	---	---	---	
69	CA10122-JAN17	25-Jan-17	6000	5976	---	---	---	---	---	---	---	---	
70	CA10007-FEB17	01-Feb-17	6000	6164	0.00010	0.00021	0.000028	0.00271	0.00175	< 0.002	---	---	
71	CA10043-FEB17	08-Feb-17	6000	5963	---	---	---	---	---	---	---	---	
72	CA10088-FEB17	15-Feb-17	6000	5894	---	---	---	---	---	---	---	---	
73	CA10125-FEB17	22-Feb-17	6000	5960	---	---	---	---	---	---	---	---	
74	CA10008-MAR17	01-Mar-17	6000	6061	---	---	---	---	---	---	---	---	
75	CA10045-MAR17	08-Mar-17	6000	5998	0.00008	0.00027	0.000019	0.00262	0.00166	< 0.002	---	---	
76	CA10081-MAR17	15-Mar-17	6000	5943	---	---	---	---	---	---	---	---	
77	CA10120-MAR17	22-Mar-17	6000	6071	---	---	---	---	---	---	---	---	
78	CA10155-MAR17	29-Mar-17	6000	5950	---	---	---	---	---	---	---	---	
79	CA10026-APR17	05-Apr-17	6000	5927	---	---	---	---	---	---	---	---	
80	CA10064-APR17	12-Apr-17	6000	6103	0.00009	0.00030	0.000029	0.00296	0.00143	< 0.002	---	---	
81	CA10101-APR17	19-Apr-17	6000	5960	---	---	---	---	---	---	---	---	
82	CA10138-APR17	26-Apr-17	6000	5998	---	---	---	---	---	---	---	---	
83	CA10036-MAY17	03-May-17	6000	6054	---	---	---	---	---	---	0.0015	0.0422	
84	CA10063-MAY17	10-May-17	6000	5990	---	---	---	---	---	---	<0.0005	0.0534	
85	CA10099-MAY17	17-May-17	6000	5959	0.00009	0.00018	0.000031	0.00269	0.00136	< 0.002	---	---	
86	CA10135-MAY17	24-May-17	6000	6057	---	---	---	---	---	---	---	---	
87	CA10171-MAY17	31-May-17	6000	5866	---	---	---	---	---	---	---	---	
88	CA10024-JUN17	07-Jun-17	6000	6046	---	---	---	---	---	---	---	---	
89	CA10069-JUN17	14-Jun-17	6000	5985	---	---	---	---	---	---	---	---	
90	CA10096-JUN17	21-Jun-17	6000	5992	0.00593	0.00011	0.000028	0.00242	0.00137	0.010	---	---	
91	CA10127-JUN17	28-Jun-17	6000	6013	---	---	---	---	---	---	---	---	
92	---	05-Jul-17	---	---	---	---	---	---	---	---	---	---	
93	---	12-Jul-17	---	---	---	---	---	---	---	---	---	---	
94	---	19-Jul-17	---	---	---	---	---	---	---	---	---	---	
95	---	26-Jul-17	---	---	---	---	---	---	---	---	---	---	
96	CA10012-AUG17	02-Aug-17	6000	6048	0.00015	0.00012	0.000037	0.00457	0.00116	< 0.002	---	---	
97	---	09-Aug-17	---	---	---	---	---	---	---	---	---	---	
98	---	16-Aug-17	---	---	---	---	---	---	---	---	---	---	
99	---	23-Aug-17	---	---	---	---	---	---	---	---	---	---	
100	---	30-Aug-17	---	---	---	---	---	---	---	---	---	---	
101	CA10023-SEP17	06-Sep-17	6000	5919	0.00015	0.00009	0.000041	0.00616	0.00105	< 0.002	---	---	
102	---	13-Sep-17	---	---	---	---	---	---	---	---	---	---	
103	---	20-Sep-17	---	---	---	---	---	---	---	---	---	---	
104	---	27-Sep-17	---	---	---	---	---	---	---	---	---	---	
105	---	04-Oct-17	---	---	---	---	---	---	---	---	---	---	
106	CA10035-OCT17	11-Oct-17	6000	6172	0.00030	0.00011	0.000057	0.00951	0.00102	< 0.002	---	---	
107	---	18-Oct-17	---	---	---	---	---	---	---	---	---	---	
108	---	25-Oct-17	---	---	---	---	---	---	---	---	---	---	
109	---	01-Nov-17	---	---	---	---	---	---	---	---	---	---	
110	---	08-Nov-17	---	---	---	---	---	---	---	---	---	---	
111	CA10077-NOV17	15-Nov-17	6000	5823	0.00013	0.00011	0.000038	0.00492	0.00096	< 0.002	---	---	

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
112	---	22-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---
113	---	29-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---
114	---	06-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---
115	---	13-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---
116	CA10215-DEC17	20-Dec-17	6000	5364	7.66	< 2	23	217	65	28.7	< 1	< 0.06	< 0.00001	< 0.00005
117	---	27-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---
118	---	03-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---
119	---	10-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---
120	---	17-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---
121	CA10261-JAN18	24-Jan-18	6000	5494	7.71	< 2	33	290	98	44.2	< 1	< 0.06	< 0.00001	< 0.00005
122	---	31-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---
123	---	07-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---
124	---	14-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---
125	---	21-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---
126	CA10250-FEB18	28-Feb-18	6000	6230	7.55	< 2	24	211	88	39.7	< 1	0.06	0.00001	< 0.00005
127	---	07-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---
128	---	14-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---
129	---	21-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---
130	---	28-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---
131	CA10016-APR18	04-Apr-18	6000	7.66	< 2	29	279	98	38.7	< 1	< 0.06	< 0.00001	< 0.00005	0.027
132	---	11-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---
133	---	18-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---
134	---	25-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---
135	---	02-May-18	---	---	---	---	---	---	---	---	---	---	---	---
136	CA10093-MAY18	09-May-18	6000	5786	7.79	< 2	27	255	88	40.8	< 1	< 0.06	< 0.00001	< 0.00005
137	---	16-May-18	---	---	---	---	---	---	---	---	---	---	---	---
138	---	23-May-18	---	---	---	---	---	---	---	---	---	---	---	---
139	---	30-May-18	---	---	---	---	---	---	---	---	---	---	---	---
140	---	06-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---
141	CA10083-JUN18	13-Jun-18	6000	5552	7.70	< 2	23	231	86	32.2	< 1	0.17	< 0.00001	< 0.00005
142	---	20-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---
143	---	27-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---
144	---	04-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---
145	---	11-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---
146	CA10092-JUL18	18-Jul-18	6000	5115	7.63	< 2	18	235	84	32.9	< 1	0.13	0.00002	< 0.00005
147	---	25-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---
148	---	01-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---
149	---	08-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---
150	---	15-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---
151	CA10220-AUG18	22-Aug-18	6000	5255	6.80	< 2	20	214	78	27.3	< 1	0.06	< 0.00001	< 0.00005
152	---	29-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---
153	---	05-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---
154	---	12-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---
155	---	19-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---
156	CA10257-SEP18	26-Sep-18	6000	6027	7.40	< 2	26	260	91	35.7	< 1	0.08	0.00002	< 0.00005
157	---	03-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---
158	---	10-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---
159	---	17-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---
160	---	24-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---
161		31-Oct-18	6000											
162	---	07-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---
163	---	14-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---
164	---	21-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---
165	---	28-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---
166		05-Dec-18	6000											
167	---	12-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
112	---	22-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---
113	---	29-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---
114	---	06-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---
115	---	13-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---
116	CA10215-DEC17	20-Dec-17	6000	5364	0.037	0.0341	0.0412	< 0.000007	0.005	< 0.000007	0.000009	0.000176	0.00011	0.00054	< 0.007
117	---	27-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---
118	---	03-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---
119	---	10-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---
120	---	17-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---
121	CA10261-JAN18	24-Jan-18	6000	5494	0.030	0.0323	0.0629	< 0.000007	0.016	< 0.000007	0.000019	0.000248	0.00018	0.00088	< 0.007
122	---	31-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---
123	---	07-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---
124	---	14-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---
125	---	21-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---
126	CA10250-FEB18	28-Feb-18	6000	6230	0.039	0.0404	0.0337	< 0.000007	0.017	< 0.000007	0.000005	0.000199	0.00007	0.00045	< 0.007
127	---	07-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---
128	---	14-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---
129	---	21-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---
130	---	28-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---
131	CA10016-APR18	04-Apr-18	6000	7.66	0.0297	0.05368	< 0.000007	0.004	< 0.000007	0.000012	0.000221	0.00019	0.00040	< 0.007	15.0
132	---	11-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---
133	---	18-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---
134	---	25-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---
135	---	02-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---
136	CA10093-MAY18	09-May-18	6000	5786	0.034	0.0380	0.0446	< 0.000007	0.005	< 0.000007	0.000006	0.000199	0.00014	0.00042	< 0.007
137	---	16-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---
138	---	23-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---
139	---	30-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---
140	---	06-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---
141	CA10083-JUN18	13-Jun-18	6000	5552	0.038	0.0410	0.0297	< 0.000007	0.004	< 0.000007	0.000012	0.000201	0.00009	0.00037	< 0.007
142	---	20-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---
143	---	27-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---
144	---	04-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---
145	---	11-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---
146	CA10092-JUL18	18-Jul-18	6000	5115	0.044	0.0402	0.02861	< 0.000007	0.006	< 0.000007	0.000059	0.000186	0.00007	0.00049	< 0.007
147	---	25-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---
148	---	01-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---
149	---	08-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---
150	---	15-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---
151	CA10220-AUG18	22-Aug-18	6000	5255	0.031	0.0316	0.03115	< 0.000007	0.004	< 0.000007	0.000008	0.000174	0.00006	0.00047	< 0.007
152	---	29-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---
153	---	05-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---
154	---	12-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---
155	---	19-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---
156	CA10257-SEP18	26-Sep-18	6000	6027	0.028	0.0275	0.0335	< 0.000007	0.004	< 0.000007	0.000007	0.000205	0.00007	0.00098	< 0.007
157	---	03-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---
158	---	10-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---
159	---	17-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---
160	---	24-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---
161		31-Oct-18	6000												
162	---	07-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---
163	---	14-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---
164	---	21-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---
165	---	28-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---
166		05-Dec-18	6000												
167	---	12-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---	---

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
112	---	22-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
113	---	29-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
114	---	06-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
115	---	13-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
116	CA10215-DEC17	20-Dec-17	6000	5364	10.2	0.0028	2.58	0.00269	0.00438	0.30	0.0009	< 0.003	0.00004	0.0009	0.00059	0.161
117	---	27-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
118	---	03-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
119	---	10-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
120	---	17-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
121	CA10261-JAN18	24-Jan-18	6000	5494	13.3	0.0077	3.90	0.00334	0.00791	1.64	0.0006	< 0.003	0.00015	0.0011	0.00074	0.220
122	---	31-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
123	---	07-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
124	---	14-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
125	---	21-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
126	CA10250-FEB18	28-Feb-18	6000	6230	14.2	0.0035	2.91	0.00338	0.00400	0.42	0.0005	< 0.003	0.00001	0.0008	0.00065	0.137
127	---	07-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
128	---	14-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
129	---	21-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
130	---	28-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
131	CA10016-APR18	04-Apr-18	6000	7.66	0.0031	3.95	0.00309	0.00524	0.84	0.0006	< 0.003	0.00002	0.0010	0.00065	0.198	0.00022
132	---	11-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
133	---	18-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
134	---	25-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
135	---	02-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
136	CA10093-MAY18	09-May-18	6000	5786	13.4	0.0068	3.28	0.00288	0.00802	0.66	0.0004	< 0.003	0.00002	0.0013	0.00096	0.181
137	---	16-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
138	---	23-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
139	---	30-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
140	---	06-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
141	CA10083-JUN18	13-Jun-18	6000	5552	10.1	0.0034	3.20	0.00412	0.00398	0.37	0.0005	< 0.003	0.00004	0.0011	0.00067	0.157
142	---	20-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
143	---	27-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
144	---	04-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
145	---	11-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
146	CA10092-JUL18	18-Jul-18	6000	5115	10.8	0.0046	2.96	0.00494	0.00359	0.58	0.0005	< 0.003	0.00008	0.0009	0.00080	0.147
147	---	25-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
148	---	01-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
149	---	08-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
150	---	15-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
151	CA10220-AUG18	22-Aug-18	6000	5255	9.94	0.0033	2.61	0.00375	0.00358	0.35	0.0005	< 0.003	0.00012	0.0010	0.00054	0.145
152	---	29-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
153	---	05-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
154	---	12-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
155	---	19-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
156	CA10257-SEP18	26-Sep-18	6000	6027	12.0	0.0026	3.42	0.00435	0.00377	0.47	0.0004	< 0.003	0.00002	0.0012	0.00063	0.175
157	---	03-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
158	---	10-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
159	---	17-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
160	---	24-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
161		31-Oct-18	6000													
162	---	07-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
163	---	14-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
164	---	21-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
165	---	28-Nov-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
166		05-Dec-18	6000													
167	---	12-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+	
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
112	---	22-Nov-17	---	---	---	---	---	---	---	---	---	---	
113	---	29-Nov-17	---	---	---	---	---	---	---	---	---	---	
114	---	06-Dec-17	---	---	---	---	---	---	---	---	---	---	
115	---	13-Dec-17	---	---	---	---	---	---	---	---	---	---	
116	CA10215-DEC17	20-Dec-17	6000	5364	0.00016	0.00009	0.000048	0.00600	0.00095	< 0.002	---	---	
117	---	27-Dec-17	---	---	---	---	---	---	---	---	---	---	
118	---	03-Jan-18	---	---	---	---	---	---	---	---	---	---	
119	---	10-Jan-18	---	---	---	---	---	---	---	---	---	---	
120	---	17-Jan-18	---	---	---	---	---	---	---	---	---	---	
121	CA10261-JAN18	24-Jan-18	6000	5494	0.00025	< 0.00005	0.000077	0.00889	0.00102	< 0.002	---	---	
122	---	31-Jan-18	---	---	---	---	---	---	---	---	---	---	
123	---	07-Feb-18	---	---	---	---	---	---	---	---	---	---	
124	---	14-Feb-18	---	---	---	---	---	---	---	---	---	---	
125	---	21-Feb-18	---	---	---	---	---	---	---	---	---	---	
126	CA10250-FEB18	28-Feb-18	6000	6230	0.00009	< 0.00005	0.000038	0.00440	0.00119	< 0.002	---	---	
127	---	07-Mar-18	---	---	---	---	---	---	---	---	---	---	
128	---	14-Mar-18	---	---	---	---	---	---	---	---	---	---	
129	---	21-Mar-18	---	---	---	---	---	---	---	---	---	---	
130	---	28-Mar-18	---	---	---	---	---	---	---	---	---	---	
131	CA10016-APR18	04-Apr-18	6000	7.66	0.00009	0.000049	0.00683	0.00102	< 0.002				
132	---	11-Apr-18	---	---	---	---	---	---	---	---	---	---	
133	---	18-Apr-18	---	---	---	---	---	---	---	---	---	---	
134	---	25-Apr-18	---	---	---	---	---	---	---	---	---	---	
135	---	02-May-18	---	---	---	---	---	---	---	---	---	---	
136	CA10093-MAY18	09-May-18	6000	5786	0.00018	< 0.00005	0.000052	0.00594	0.00106	< 0.002			
137	---	16-May-18	---	---	---	---	---	---	---	---	---	---	
138	---	23-May-18	---	---	---	---	---	---	---	---	---	---	
139	---	30-May-18	---	---	---	---	---	---	---	---	---	---	
140	---	06-Jun-18	---	---	---	---	---	---	---	---	---	---	
141	CA10083-JUN18	13-Jun-18	6000	5552	0.00012	0.00014	0.000052	0.00423	0.00110	0.007	---	---	
142	---	20-Jun-18	---	---	---	---	---	---	---	---	---	---	
143	---	27-Jun-18	---	---	---	---	---	---	---	---	---	---	
144	---	04-Jul-18	---	---	---	---	---	---	---	---	---	---	
145	---	11-Jul-18	---	---	---	---	---	---	---	---	---	---	
146	CA10092-JUL18	18-Jul-18	6000	5115	0.00006	0.00010	0.000026	0.00334	0.00120	< 0.002	---	---	
147	---	25-Jul-18	---	---	---	---	---	---	---	---	---	---	
148	---	01-Aug-18	---	---	---	---	---	---	---	---	---	---	
149	---	08-Aug-18	---	---	---	---	---	---	---	---	---	---	
150	---	15-Aug-18	---	---	---	---	---	---	---	---	---	---	
151	CA10220-AUG18	22-Aug-18	6000	5255	0.00012	0.00010	0.000057	0.003832	0.00093	< 0.002	---	---	
152	---	29-Aug-18	---	---	---	---	---	---	---	---	---	---	
153	---	05-Sep-18	---	---	---	---	---	---	---	---	---	---	
154	---	12-Sep-18	---	---	---	---	---	---	---	---	---	---	
155	---	19-Sep-18	---	---	---	---	---	---	---	---	---	---	
156	CA10257-SEP18	26-Sep-18	6000	6027	0.00012	< 0.00005	0.000068	0.003005	0.00105	< 0.002	---	---	
157	---	03-Oct-18	---	---	---	---	---	---	---	---	---	---	
158	---	10-Oct-18	---	---	---	---	---	---	---	---	---	---	
159	---	17-Oct-18	---	---	---	---	---	---	---	---	---	---	
160	---	24-Oct-18	---	---	---	---	---	---	---	---	---	---	
161		31-Oct-18	6000								---	---	
162	---	07-Nov-18	---	---	---	---	---	---	---	---	---	---	
163	---	14-Nov-18	---	---	---	---	---	---	---	---	---	---	
164	---	21-Nov-18	---	---	---	---	---	---	---	---	---	---	
165	---	28-Nov-18	---	---	---	---	---	---	---	---	---	---	
166		05-Dec-18	6000								---	---	
167	---	12-Dec-18	---	---	---	---	---	---	---	---	---	---	

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
168	---	19-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---
169	---	26-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---
170	---	02-Jan-19	---	---	---	---	---	---	---	---	---	---	---	---

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
168	---	19-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---	---
169	---	26-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---	---
170	---	02-Jan-19	---	---	---	---	---	---	---	---	---	---	---	---	---

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
168	---	19-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
169	---	26-Dec-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
170	---	02-Jan-19	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #4 Greywacke (Outside Ore)
Weight: 60kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+	
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
168	---	19-Dec-18	---	---	---	---	---	---	---	---	---	---	
169	---	26-Dec-18	---	---	---	---	---	---	---	---	---	---	
170	---	02-Jan-19	---	---	---	---	---	---	---	---	---	---	

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10149-OCT15	28-Oct-15	2880	670	8.31	< 2	50	521	140	19.4	29	0.29	< 0.00001	0.000014
1	CA10023-NOV15	04-Nov-15	2880	2639	8.19	< 2	120	1430	460	48.0	42	0.63	< 0.00001	0.000039
2	CA10053-NOV15	11-Nov-15	2880	2944	8.10	< 2	99	1480	700	78.1	18	0.71	< 0.00001	0.000003
3	CA10084-NOV15	18-Nov-15	2880	2967	8.08	< 2	90	1400	610	80.4	9	0.74	< 0.00001	0.000003
4	CA10115-NOV15	25-Nov-15	2880	2815	7.92	< 2	72	1190	490	82.3	4	0.69	< 0.00001	0.000002
5	CA10023-DEC15	02-Dec-15	2880	3009	8.00	< 2	69	1010	430	82.4	2	0.72	< 0.00001	< 0.000002
6	CA10058-DEC15	09-Dec-15	2880	2772	7.98	< 2	75	1040	420	104	---	---	---	---
7	CA10095-DEC15	16-Dec-15	2880	2892	7.84	< 2	74	1010	440	120	---	---	---	---
8	CA10131-DEC15	23-Dec-15	2880	2871	7.78	< 2	72	1190	500	172	---	---	---	---
9	CA10164-DEC15	30-Dec-15	2880	2928	7.62	< 2	74	1370	680	204	---	---	---	---
10	CA10026-JAN16	06-Jan-16	2880	2894	7.81	< 2	65	1440	720	231	< 1	0.45	< 0.00001	< 0.000002
11	CA10063-JAN16	13-Jan-15	2880	2864	7.71	< 2	65	1480	690	232	---	---	---	---
12	CA10104-JAN16	20-Jan-16	2880	2900	7.66	< 2	66	1390	620	238	---	---	---	---
13	CA10147-JAN16	27-Jan-16	2880	2902	7.67	< 2	56	1130	640	227	---	---	---	---
14	CA10029-FEB16	03-Feb-16	2880	2856	7.78	< 2	61	1250	610	211	---	---	---	---
15	CA10071-FEB16	10-Feb-16	2880	2890	7.74	< 2	62	1250	570	216	< 1	0.41	< 0.00001	< 0.000002
16	CA10112-FEB16	17-Feb-16	750	769	7.89	< 2	86	1630	1100	406	1	0.48	< 0.00001	< 0.000002
17	CA10156-FEB16	24-Feb-16	750	738	7.95	< 2	90	2350	1200	527	< 1	0.51	< 0.00001	0.000002
18	CA10026-MAR16	02-Mar-16	750	767	7.77	< 2	88	2470	1500	535	< 1	0.48	< 0.00001	0.000002
19	CA10062-MAR16	09-Mar-16	4000 / flooded	3964	7.69	< 2	56	1260	640	273	< 1	0.44	< 0.00001	< 0.000002
20	CA10099-MAR16	16-Mar-16	2880	2990	7.71	< 2	65	1200	620	335	< 1	0.49	< 0.00001	0.000007
21	CA10143-MAR16	23-Mar-16	2880	2904	7.87	< 2	64	1090	500	228	---	---	---	---
22	CA10178-MAR16	30-Apr-16	2880	2886	7.75	< 2	74	986	420	182	---	---	---	---
23	CA10023-APR16	06-Apr-16	2880	2888	7.71	< 2	57	861	370	165	---	---	---	---
24	CA10060-APR16	13-Apr-16	2880	2910	7.82	< 2	62	897	380	182	---	---	---	---
25	CA10102-APR16	20-Apr-16	2880	2894	7.77	< 2	62	825	360	167	1	0.40	< 0.00001	0.000257
26	CA10134-APR16	27-Apr-16	2880	2860	7.90	< 2	54	837	420	157	---	---	---	---
27	CA10023-MAY16	04-May-16	2880	2876	7.76	< 2	60	851	340	168	---	---	---	---
28	CA10060-MAY16	11-May-16	2880	2852	7.81	< 2	63	842	320	168	---	---	---	---
29	CA10102-MAY16	18-May-16	2880	2941	7.83	< 2	61	803	340	141	---	---	---	---
30	CA10137-MAY16	25-May-16	2880	2854	7.73	< 2	59	758	300	135	< 1	0.36	< 0.00001	0.000002
31	CA10005-JUN16	01-Jun-16	2880	2854	7.77	< 2	61	751	290	139	---	---	---	---
32	CA10037-JUN16	08-Jun-16	2880	2853	7.85	< 2	58	714	280	129	---	---	---	---
33	CA10068-JUN16	15-Jun-16	2880	2909	7.78	< 2	60	645	260	110	---	---	---	---
34	CA10099-JUN16	22-Jun-16	2880	2829	7.94	< 2	65	688	280	120	---	---	---	---
35	CA10137-JUN16	29-Jun-16	2880	2960	7.89	< 2	64	639	260	112	< 1	0.32	< 0.00001	< 0.000002
36	CA10027-JUL16	06-Jul-16	2880	2832	7.86	< 2	57	599	240	108	---	---	---	---
37	CA10064-JUL16	13-Jul-16	2880	2892	7.90	< 2	60	620	250	108	---	---	---	---
38	CA10101-JUL16	20-Jul-16	2880	2703	7.82	< 2	58	609	260	110	---	---	---	---
39	CA10135-JUL16	27-Jul-16	2880	3079	7.79	< 2	58	583	240	103	---	---	---	---
40	CA10032-AUG16	03-Aug-16	2880	2967	7.93	< 2	67	610	260	97.5	< 1	0.28	< 0.00001	< 0.000002
41	CA10067-AUG16	10-Aug-16	2880	2875	7.72	< 2	55	596	220	104	---	---	---	---
42	CA10102-AUG16	17-Aug-16	2880	2932	7.70	< 2	58	615	230	102	---	---	---	---
43	CA10138-AUG16	24-Aug-16	2880	2819	7.72	< 2	60	629	250	105	---	---	---	---
44	CA10174-AUG16	31-Aug-16	2880	2906	7.80	< 2	57	602	250	101	---	---	---	---
45	CA10027-SEP16	07-Sep-16	2880	2880	7.73	< 2	54	557	210	97.5	< 1	0.30	< 0.00001	0.000018
46	CA10063-SEP16	14-Sep-16	2880	2826	7.83	< 2	52	556	230	92.9	---	---	---	---
47	CA10103-SEP16	21-Sep-16	2880	2848	7.98	< 2	60	605	240	103	---	---	---	---
48	CA10138-SEP16	28-Sep-16	2880	2927	7.66	< 2	59	568	230	98.6	---	---	---	---
49	CA10005-OCT16	05-Oct-16	2880	2846	7.77	< 2	57	574	220	100	---	---	---	---
50	CA10061-OCT16	12-Oct-16	2880	3008	7.74	< 2	61	629	150	105	< 1	0.26	< 0.00001	0.000003
51	CA10096-OCT16	19-Oct-16	2880	2597	7.81	< 2	56	578		95.2	---	---	---	---
52	CA10131-OCT16	26-Oct-16	2880	2874	7.75	< 2	62	555	210	92.7	---	---	---	---
53	CA10023-NOV16	02-Nov-16	2880	2766	7.83	< 2	59	569	220	93.1	---	---	---	---
54	CA10058-NOV16	09-Nov-16	2880	3116	7.57	< 2	56	565	210	94.5	---	---	---	---
55	CA10092-NOV16	16-Nov-16	2880	2754	7.37	< 2	56	575	220	98.7	1	0.19	< 0.00001	< 0.000002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10149-OCT15	28-Oct-15	2880	670	0.02	0.0336	0.0155	< 0.000007	0.0523	0.000024	0.000003	0.000164	0.00013	0.00057	0.048
1	CA10023-NOV15	04-Nov-15	2880	2639	0.019	0.105	0.0483	< 0.000007	0.137	0.000010	0.000020	0.00122	< 0.00003	0.00031	< 0.007
2	CA10053-NOV15	11-Nov-15	2880	2944	0.023	0.0941	0.0389	< 0.000007	0.145	0.000009	0.000010	0.00209	< 0.00003	0.00023	< 0.007
3	CA10084-NOV15	18-Nov-15	2880	2967	0.024	0.107	0.0321	0.000008	0.132	0.000012	0.000011	0.00226	< 0.00003	0.00036	< 0.007
4	CA10115-NOV15	25-Nov-15	2880	2815	0.027	0.118	0.0284	< 0.000007	0.113	< 0.000007	0.000014	0.00248	< 0.00003	0.00035	< 0.007
5	CA10023-DEC15	02-Dec-15	2880	3009	0.029	0.109	0.0253	< 0.000007	0.100	< 0.000007	0.000028	0.00234	< 0.00003	0.00034	< 0.007
6	CA10058-DEC15	09-Dec-15	2880	2772	---	---	---	---	---	---	---	---	---	---	---
7	CA10095-DEC15	16-Dec-15	2880	2892	---	---	---	---	---	---	---	---	---	---	---
8	CA10131-DEC15	23-Dec-15	2880	2871	---	---	---	---	---	---	---	---	---	---	---
9	CA10164-DEC15	30-Dec-15	2880	2928	---	---	---	---	---	---	---	---	---	---	---
10	CA10026-JAN16	06-Jan-16	2880	2894	0.008	0.0150	0.0333	0.000009	0.0536	< 0.000007	0.000154	0.00724	< 0.00003	0.00018	< 0.007
11	CA10063-JAN16	13-Jan-15	2880	2864	---	---	---	---	---	---	---	---	---	---	---
12	CA10104-JAN16	20-Jan-16	2880	2900	---	---	---	---	---	---	---	---	---	---	---
13	CA10147-JAN16	27-Jan-16	2880	2902	---	---	---	---	---	---	---	---	---	---	---
14	CA10029-FEB16	03-Feb-16	2880	2856	---	---	---	---	---	---	---	---	---	---	---
15	CA10071-FEB16	10-Feb-16	2880	2890	0.006	0.0101	0.0228	< 0.000007	0.037	< 0.000007	0.000136	0.00529	< 0.00003	0.00042	< 0.007
16	CA10112-FEB16	17-Feb-16	750	769	0.004	0.0098	0.0495	0.000007	0.061	< 0.000007	0.000261	0.0126	< 0.00003	0.00044	< 0.007
17	CA10156-FEB16	24-Feb-16	750	738	0.005	0.0104	0.0607	0.000009	0.059	< 0.000007	0.000327	0.0156	< 0.00003	0.00078	0.021
18	CA10026-MAR16	02-Mar-16	750	767	0.003	0.0089	0.0638	0.000008	0.068	< 0.000007	0.000313	0.0152	< 0.00003	0.00034	0.008
19	CA10062-MAR16	09-Mar-16	4000 / flooded	3964	0.007	0.0161	0.0256	0.000007	0.042	< 0.000007	0.000118	0.00604	0.00003	0.00027	0.017
20	CA10099-MAR16	16-Mar-16	2880	2990	0.005	0.0090	0.0265	< 0.000007	0.048	< 0.000007	0.000131	0.00561	< 0.00003	0.00023	< 0.007
21	CA10143-MAR16	23-Mar-16	2880	2904	---	---	---	---	---	---	---	---	---	---	---
22	CA10178-MAR16	30-Apr-16	2880	2886	---	---	---	---	---	---	---	---	---	---	---
23	CA10023-APR16	06-Apr-16	2880	2888	---	---	---	---	---	---	---	---	---	---	---
24	CA10060-APR16	13-Apr-16	2880	2910	---	---	---	---	---	---	---	---	---	---	---
25	CA10102-APR16	20-Apr-16	2880	2894	0.006	0.0127	0.0205	0.000012	0.033	0.000009	0.000057	0.00316	< 0.00003	0.00034	< 0.007
26	CA10134-APR16	27-Apr-16	2880	2860	---	---	---	---	---	---	---	---	---	---	---
27	CA10023-MAY16	04-May-16	2880	2876	---	---	---	---	---	---	---	---	---	---	---
28	CA10060-MAY16	11-May-16	2880	2852	---	---	---	---	---	---	---	---	---	---	---
29	CA10102-MAY16	18-May-16	2880	2941	---	---	---	---	---	---	---	---	---	---	---
30	CA10137-MAY16	25-May-16	2880	2854	0.005	0.0091	0.0186	< 0.000007	0.032	< 0.000007	0.000039	0.00233	< 0.00003	0.00011	< 0.007
31	CA10005-JUN16	01-Jun-16	2880	2854	---	---	---	---	---	---	---	---	---	---	---
32	CA10037-JUN16	08-Jun-16	2880	2853	---	---	---	---	---	---	---	---	---	---	---
33	CA10068-JUN16	15-Jun-16	2880	2909	---	---	---	---	---	---	---	---	---	---	---
34	CA10099-JUN16	22-Jun-16	2880	2829	---	---	---	---	---	---	---	---	---	---	---
35	CA10137-JUN16	29-Jun-16	2880	2960	0.007	0.0205	0.0177	< 0.000007	0.020	< 0.000007	0.000024	0.00159	< 0.00003	0.00010	< 0.007
36	CA10027-JUL16	06-Jul-16	2880	2832	---	---	---	---	---	---	---	---	---	---	---
37	CA10064-JUL16	13-Jul-16	2880	2892	---	---	---	---	---	---	---	---	---	---	---
38	CA10101-JUL16	20-Jul-16	2880	2703	---	---	---	---	---	---	---	---	---	---	---
39	CA10135-JUL16	27-Jul-16	2880	3079	---	---	---	---	---	---	---	---	---	---	---
40	CA10032-AUG16	03-Aug-16	2880	2967	0.007	0.0207	0.0174	< 0.000007	0.024	< 0.000007	0.000031	0.00152	< 0.00003	< 0.00002	< 0.007
41	CA10067-AUG16	10-Aug-16	2880	2875	---	---	---	---	---	---	---	---	---	---	---
42	CA10102-AUG16	17-Aug-16	2880	2932	---	---	---	---	---	---	---	---	---	---	---
43	CA10138-AUG16	24-Aug-16	2880	2819	---	---	---	---	---	---	---	---	---	---	---
44	CA10174-AUG16	31-Aug-16	2880	2906	---	---	---	---	---	---	---	---	---	---	---
45	CA10027-SEP16	07-Sep-16	2880	2880	0.007	0.0098	0.0168	< 0.000007	0.025	< 0.000007	0.000021	0.00116	< 0.00003	0.00023	< 0.007
46	CA10063-SEP16	14-Sep-16	2880	2826	---	---	---	---	---	---	---	---	---	---	---
47	CA10103-SEP16	21-Sep-16	2880	2848	---	---	---	---	---	---	---	---	---	---	---
48	CA10138-SEP16	28-Sep-16	2880	2927	---	---	---	---	---	---	---	---	---	---	---
49	CA10005-OCT16	05-Oct-16	2880	2846	---	---	---	---	---	---	---	---	---	---	---
50	CA10061-OCT16	12-Oct-16	2880	3008	0.005	0.0088	0.0197	< 0.000007	0.021	< 0.000007	0.000007	0.000861	< 0.00003	0.00019	< 0.007
51	CA10096-OCT16	19-Oct-16	2880	2597	---	---	---	---	---	---	---	---	---	---	---
52	CA10131-OCT16	26-Oct-16	2880	2874	---	---	---	---	---	---	---	---	---	---	---
53	CA10023-NOV16	02-Nov-16	2880	2766	---	---	---	---	---	---	---	---	---	---	---
54	CA10058-NOV16	09-Nov-16	2880	3116	---	---	---	---	---	---	---	---	---	---	---
55	CA10092-NOV16	16-Nov-16	2880	2754	0.006	0.0104	0.0188	0.000007	0.021	< 0.000007	0.000018	0.000746	< 0.00003	0.00018	< 0.007

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10149-OCT15	28-Oct-15	2880	670	57.6	0.00363	4.67	0.0172	0.00356	38.1	0.0037	0.004	0.00017	0.0072	0.00159	0.123
1	CA10023-NOV15	04-Nov-15	2880	2639	133	0.00536	19.4	0.114	0.0146	148	0.0265	< 0.003	0.00017	0.0212	0.00531	0.261
2	CA10053-NOV15	11-Nov-15	2880	2944	147	0.00961	25.5	0.222	0.0123	140	0.0314	0.009	0.00008	0.0148	0.00499	0.378
3	CA10084-NOV15	18-Nov-15	2880	2967	127	0.0102	23.9	0.197	0.0115	109	0.0284	0.003	0.00003	0.0118	0.00386	0.332
4	CA10115-NOV15	25-Nov-15	2880	2815	105	0.00945	20.8	0.192	0.00961	77.7	0.0250	< 0.003	0.00004	0.0089	0.00246	0.319
5	CA10023-DEC15	02-Dec-15	2880	3009	96.5	0.00917	20.3	0.213	0.00790	65.8	0.0214	< 0.003	0.00006	0.0076	0.00393	0.313
6	CA10058-DEC15	09-Dec-15	2880	2772	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10095-DEC15	16-Dec-15	2880	2892	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10131-DEC15	23-Dec-15	2880	2871	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10164-DEC15	30-Dec-15	2880	2928	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10026-JAN16	06-Jan-16	2880	2894	63.1	0.0100	18.3	1.32	0.00203	21.7	0.0454	< 0.003	< 0.00001	0.0023	0.00088	0.650
11	CA10063-JAN16	13-Jan-15	2880	2864	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10104-JAN16	20-Jan-16	2880	2900	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10147-JAN16	27-Jan-16	2880	2902	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10029-FEB16	03-Feb-16	2880	2856	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10071-FEB16	10-Feb-16	2880	2890	47.5	0.00737	10.2	1.39	0.00170	10.4	0.0298	< 0.003	< 0.00001	0.0016	0.00145	0.566
16	CA10112-FEB16	17-Feb-16	750	769	77.0	0.0122	19.4	3.15	0.00231	18.7	0.0710	< 0.003	< 0.00001	0.0016	0.00092	1.14
17	CA10156-FEB16	24-Feb-16	750	738	99.6	0.0133	25.5	4.10	0.00263	23.8	0.0845	< 0.003	< 0.00001	0.0017	0.00270	1.42
18	CA10026-MAR16	02-Mar-16	750	767	105	0.0136	25.7	4.21	0.00288	24.1	0.0876	< 0.003	0.00002	0.0016	0.00177	1.54
19	CA10062-MAR16	09-Mar-16	4000 / flooded	3964	59.2	0.00790	12.6	1.85	0.00195	11.1	0.0346	< 0.003	< 0.00001	0.0015	0.00126	0.680
20	CA10099-MAR16	16-Mar-16	2880	2990	55.4	0.00809	10.7	1.79	0.00194	9.83	0.0292	< 0.003	0.00006	0.0014	0.00260	0.671
21	CA10143-MAR16	23-Mar-16	2880	2904	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10178-MAR16	30-Apr-16	2880	2886	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10023-APR16	06-Apr-16	2880	2888	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10060-APR16	13-Apr-16	2880	2910	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10102-APR16	20-Apr-16	2880	2894	38.5	0.00524	7.11	1.03	0.00204	5.57	0.0185	< 0.003	0.00016	0.0011	0.00107	0.445
26	CA10134-APR16	27-Apr-16	2880	2860	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10023-MAY16	04-May-16	2880	2876	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10060-MAY16	11-May-16	2880	2852	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10102-MAY16	18-May-16	2880	2941	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10137-MAY16	25-May-16	2880	2854	35.1	0.00421	6.40	0.600	0.00181	4.18	0.0129	< 0.003	< 0.00001	0.0009	0.00066	0.322
31	CA10005-JUN16	01-Jun-16	2880	2854	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10037-JUN16	08-Jun-16	2880	2853	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10068-JUN16	15-Jun-16	2880	2909	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10099-JUN16	22-Jun-16	2880	2829	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10137-JUN16	29-Jun-16	2880	2960	29.4	0.00390	6.04	0.350	0.00201	3.36	0.0092	< 0.003	< 0.00001	0.0010	0.00068	0.251
36	CA10027-JUL16	06-Jul-16	2880	2832	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10064-JUL16	13-Jul-16	2880	2892	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10101-JUL16	20-Jul-16	2880	2703	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10135-JUL16	27-Jul-16	2880	3079	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10032-AUG16	03-Aug-16	2880	2967	28.6	0.00368	6.21	0.278	0.00213	2.72	0.0087	< 0.003	< 0.00001	0.0010	0.00098	0.239
41	CA10067-AUG16	10-Aug-16	2880	2875	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10102-AUG16	17-Aug-16	2880	2932	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10138-AUG16	24-Aug-16	2880	2819	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10174-AUG16	31-Aug-16	2880	2906	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10027-SEP16	07-Sep-16	2880	2880	25.7	0.0033	6.42	0.154	0.00187	2.45	0.0076	0.023	< 0.00001	0.0009	0.00037	0.214
46	CA10063-SEP16	14-Sep-16	2880	2826	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10103-SEP16	21-Sep-16	2880	2848	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10138-SEP16	28-Sep-16	2880	2927	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10005-OCT16	05-Oct-16	2880	2846	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10061-OCT16	12-Oct-16	2880	3008	26.4	0.0034	7.47	0.123	0.00206	2.29	0.0080	0.007	< 0.00001	0.0008	0.00050	0.244
51	CA10096-OCT16	19-Oct-16	2880	2597	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10131-OCT16	26-Oct-16	2880	2874	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10023-NOV16	02-Nov-16	2880	2766	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10058-NOV16	09-Nov-16	2880	3116	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10092-NOV16	16-Nov-16	2880	2754	21.7	0.0029	6.60	0.142	0.00126	1.87	0.0071	< 0.003	0.00001	0.0007	0.00104	0.243

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10149-OCT15	28-Oct-15	2880	670	0.00504	0.0008	< 0.000005	0.00121	0.00034	< 0.002	---	---
1	CA10023-NOV15	04-Nov-15	2880	2639	0.00070	0.00006	0.000015	0.0146	0.00033	< 0.002	---	---
2	CA10053-NOV15	11-Nov-15	2880	2944	0.00037	< 0.00005	0.000022	0.0159	0.00030	< 0.002	---	---
3	CA10084-NOV15	18-Nov-15	2880	2967	0.00035	0.00013	0.000022	0.0108	0.00031	< 0.002	---	---
4	CA10115-NOV15	25-Nov-15	2880	2815	0.00026	< 0.00005	0.000036	0.00795	0.00035	< 0.002	---	---
5	CA10023-DEC15	02-Dec-15	2880	3009	0.00034	< 0.00005	0.000034	0.00704	0.00038	< 0.002	---	---
6	CA10058-DEC15	09-Dec-15	2880	2772	---	---	---	---	---	---	---	---
7	CA10095-DEC15	16-Dec-15	2880	2892	---	---	---	---	---	---	---	---
8	CA10131-DEC15	23-Dec-15	2880	2871	---	---	---	---	---	---	---	---
9	CA10164-DEC15	30-Dec-15	2880	2928	---	---	---	---	---	---	---	---
10	CA10026-JAN16	06-Jan-16	2880	2894	0.00004	< 0.00005	< 0.000005	0.00667	0.00009	0.005	---	---
11	CA10063-JAN16	13-Jan-15	2880	2864	---	---	---	---	---	---	---	---
12	CA10104-JAN16	20-Jan-16	2880	2900	---	---	---	---	---	---	---	---
13	CA10147-JAN16	27-Jan-16	2880	2902	---	---	---	---	---	---	---	---
14	CA10029-FEB16	03-Feb-16	2880	2856	---	---	---	---	---	---	---	---
15	CA10071-FEB16	10-Feb-16	2880	2890	0.00007	< 0.00005	0.000008	0.00306	0.00004	0.004	---	---
16	CA10112-FEB16	17-Feb-16	750	769	0.00006	< 0.00005	0.000017	0.00624	0.00005	0.011	---	---
17	CA10156-FEB16	24-Feb-16	750	738	0.00132	< 0.00005	0.000025	0.00669	0.00004	0.011	---	---
18	CA10026-MAR16	02-Mar-16	750	767	0.00005	< 0.00005	0.000019	0.00588	0.00004	0.011	---	---
19	CA10062-MAR16	09-Mar-16	4000 / flooded	3964	< 0.00001	< 0.00005	0.000010	0.00250	0.00005	0.005	---	---
20	CA10099-MAR16	16-Mar-16	2880	2990	0.00005	< 0.00005	0.000009	0.00254	0.00003	0.004	---	---
21	CA10143-MAR16	23-Mar-16	2880	2904	---	---	---	---	---	---	---	---
22	CA10178-MAR16	30-Apr-16	2880	2886	---	---	---	---	---	---	---	---
23	CA10023-APR16	06-Apr-16	2880	2888	---	---	---	---	---	---	---	---
24	CA10060-APR16	13-Apr-16	2880	2910	---	---	---	---	---	---	---	---
25	CA10102-APR16	20-Apr-16	2880	2894	0.00002	< 0.00005	0.000020	0.00152	0.00004	0.003	---	---
26	CA10134-APR16	27-Apr-16	2880	2860	---	---	---	---	---	---	---	---
27	CA10023-MAY16	04-May-16	2880	2876	---	---	---	---	---	---	---	---
28	CA10060-MAY16	11-May-16	2880	2852	---	---	---	---	---	---	---	---
29	CA10102-MAY16	18-May-16	2880	2941	---	---	---	---	---	---	---	---
30	CA10137-MAY16	25-May-16	2880	2854	0.00004	< 0.00005	0.000013	0.00115	0.00002	< 0.002	---	---
31	CA10005-JUN16	01-Jun-16	2880	2854	---	---	---	---	---	---	---	---
32	CA10037-JUN16	08-Jun-16	2880	2853	---	---	---	---	---	---	---	---
33	CA10068-JUN16	15-Jun-16	2880	2909	---	---	---	---	---	---	---	---
34	CA10099-JUN16	22-Jun-16	2880	2829	---	---	---	---	---	---	---	---
35	CA10137-JUN16	29-Jun-16	2880	2960	0.00003	< 0.00005	0.000011	0.000982	0.00005	< 0.002	---	---
36	CA10027-JUL16	06-Jul-16	2880	2832	---	---	---	---	---	---	---	---
37	CA10064-JUL16	13-Jul-16	2880	2892	---	---	---	---	---	---	---	---
38	CA10101-JUL16	20-Jul-16	2880	2703	---	---	---	---	---	---	---	---
39	CA10135-JUL16	27-Jul-16	2880	3079	---	---	---	---	---	---	---	---
40	CA10032-AUG16	03-Aug-16	2880	2967	< 0.00001	< 0.00005	0.000011	0.000680	0.00006	0.002	---	---
41	CA10067-AUG16	10-Aug-16	2880	2875	---	---	---	---	---	---	---	---
42	CA10102-AUG16	17-Aug-16	2880	2932	---	---	---	---	---	---	---	---
43	CA10138-AUG16	24-Aug-16	2880	2819	---	---	---	---	---	---	---	---
44	CA10174-AUG16	31-Aug-16	2880	2906	---	---	---	---	---	---	---	---
45	CA10027-SEP16	07-Sep-16	2880	2880	0.00016	0.00006	0.000014	0.000695	0.00003	< 0.002	---	---
46	CA10063-SEP16	14-Sep-16	2880	2826	---	---	---	---	---	---	---	---
47	CA10103-SEP16	21-Sep-16	2880	2848	---	---	---	---	---	---	---	---
48	CA10138-SEP16	28-Sep-16	2880	2927	---	---	---	---	---	---	---	---
49	CA10005-OCT16	05-Oct-16	2880	2846	---	---	---	---	---	---	---	---
50	CA10061-OCT16	12-Oct-16	2880	3008	0.00002	0.00007	0.000015	0.000836	0.00002	< 0.002	---	---
51	CA10096-OCT16	19-Oct-16	2880	2597	---	---	---	---	---	---	---	---
52	CA10131-OCT16	26-Oct-16	2880	2874	---	---	---	---	---	---	---	---
53	CA10023-NOV16	02-Nov-16	2880	2766	---	---	---	---	---	---	---	---
54	CA10058-NOV16	09-Nov-16	2880	3116	---	---	---	---	---	---	---	---
55	CA10092-NOV16	16-Nov-16	2880	2754	< 0.00001	< 0.00005	0.000016	0.000657	0.00009	< 0.002	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10125-NOV16	23-Nov-16	2880	2951	7.80	< 2	59	644	260	106	---	---	---	---
57	CA10166-NOV16	30-Nov-16	2880	2802	7.72	< 2	57	589	250	103	---	---	---	---
58	CA10021-DEC16	07-Dec-16	2880	2952	7.68	< 2	61	673	190	116	---	---	---	---
59	CA10052-DEC16	14-Dec-16	2880	2797	7.73	< 2	60	646	260	104	---	---	---	---
60	CA10084-DEC16	21-Dec-16	2880	2946	7.80	< 2	61	611	250	86.3	< 1	0.20	< 0.00001	< 0.00005
61	CA10115-DEC16	28-Dec-16	2880	2951	7.83	< 2	66	613	260	123				
62	CA10021-JAN17	04-Jan-17	2880	2734	7.63	< 2	63	630	270	117	---	---	---	---
63	CA10053-JAN17	11-Jan-17	2880	2873	7.83	< 2	67	617	220	114	---	---	---	---
64	CA10087-JAN17	18-Jan-17	2880	2892	7.77	< 2	72	649	270	110	---	---	---	---
65	CA10123-JAN17	25-Jan-17	2880	2868	7.64	< 2	68	587	250	103	< 1	0.21	< 0.00001	< 0.00005
66	CA10008-FEB17	01-Feb-17	2880	3020	7.83	< 2	62	582	210	100	---	---	---	---
67	CA10044-FEB17	08-Feb-17	2880	2826	7.74	< 2	63	600	240	103	---	---	---	---
68	CA10089-FEB17	15-Feb-17	2880	2812	7.70	< 2	70	622	250	109	---	---	---	---
69	CA10126-FEB17	22-Feb-17	2880	2774	7.84	< 2	73	618	260	97.1	---	---	---	---
70	CA10009-MAR17	01-Mar-17	2880	2944	7.80	< 2	67	545	190	92.8	< 1	0.18	< 0.00001	< 0.00005
71	CA10046-MAR17	08-Mar-17	2880	2870	7.85	< 2	70	593	230	97.9	---	---	---	---
72	CA10082-MAR17	15-Mar-17	2880	2824	7.74	< 2	70	594	240	102	---	---	---	---
73	CA10121-MAR17	22-Mar-17	2880	2918	7.82	< 2	74	583	240	101	---	---	---	---
74	CA10156-MAR17	29-Mar-17	2880	2845	7.90	< 2	64	529	190	91.6	---	---	---	---
75	CA10027-APR17	05-Apr-17	2880	2792	7.85	< 2	73	602	230	107	< 1	0.18	< 0.00001	< 0.00005
76	CA10065-APR17	12-Apr-17	2880	3009	7.75	< 2	72	568	230	113	---	---	---	---
77	CA10102-APR17	19-Apr-17	2880	2839	7.87	< 2	65	508	190	82.2	---	---	---	---
78	CA10139-APR17	26-Apr-17	2880	2886	7.85	< 2	60	502	170	78.7	---	---	---	---
79	CA10026-MAY17	03-May-17	2880	2878	7.92	< 2	66	543	190	95.6	---	---	---	---
80	CA10064-MAY17	10-May-17	2880	2888	7.78	< 2	69	551	220	90.1	< 1	0.17	< 0.00001	< 0.00005
81	CA10100-MAY17	17-May-17	2880	2793	7.78	< 2	55	459	160	69.7	---	---	---	---
82	CA10136-MAY17	24-May-17	2880	2965	7.71	< 2	50	435	160	74.6	---	---	---	---
83	CA10172-MAY17	31-May-17	2880	2808	7.72	< 2	57	459	160	83.1	---	---	---	---
84	CA10025-JUN17	07-Jun-17	2880	2884	7.84	< 2	60	517	200	87.7	---	---	---	---
85	CA10066-JUN17	14-Jun-17	2880	2865	7.76	< 2	78	525	200	76.0	< 1	0.13	< 0.00001	< 0.00005
86	CA10097-JUN17	21-Jun-17	2880	2875	7.74	< 2	57	492	190	82.7	---	---	---	---
87	CA10128-JUN17	28-Jun-17	2880	2861	7.92	< 2	63	501	190	80.7	---	---	---	---
88	---	05-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---
89	---	12-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---
90	---	19-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---
91	---	26-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---
92	CA10013-AUG17	02-Aug-17	2880	2847	7.77	< 2	66	724	320	121	1	0.13	0.00002	< 0.00005
93	---	09-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---
94	---	16-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---
95	---	23-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---
96	---	30-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---
97	CA10020-SEP17	06-Sep-17	2880	2820	7.67	< 2	60	1140	630	221	< 1	0.13	< 0.00001	< 0.00005
98	---	13-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---
99	---	20-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---
100	---	27-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---
101	---	04-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---
102	CA10038-OCT17	11-Oct-17	2880	2911	7.64	< 2	66	1340	730	286	1	0.12	0.00002	< 0.00005
103	---	18-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---
104	---	25-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---
105	---	01-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---
106	---	08-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---
107	CA10080-NOV17	15-Nov-17	2880	2898	7.67	< 2	60	1390	760	288	1	0.14	< 0.00001	< 0.00005
108	---	22-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---
109	---	29-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---
110	---	06-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10125-NOV16	23-Nov-16	2880	2951	---	---	---	---	---	---	---	---	---	---	---
57	CA10166-NOV16	30-Nov-16	2880	2802	---	---	---	---	---	---	---	---	---	---	---
58	CA10021-DEC16	07-Dec-16	2880	2952	---	---	---	---	---	---	---	---	---	---	---
59	CA10052-DEC16	14-Dec-16	2880	2797	---	---	---	---	---	---	---	---	---	---	---
60	CA10084-DEC16	21-Dec-16	2880	2946	0.005	0.0085	0.0198	< 0.000007	0.028	< 0.000007	0.000035	0.000581	< 0.00003	0.00044	< 0.007
61	CA10115-DEC16	28-Dec-16	2880	2951											
62	CA10021-JAN17	04-Jan-17	2880	2734	---	---	---	---	---	---	---	---	---	---	---
63	CA10053-JAN17	11-Jan-17	2880	2873	---	---	---	---	---	---	---	---	---	---	---
64	CA10087-JAN17	18-Jan-17	2880	2892	---	---	---	---	---	---	---	---	---	---	---
65	CA10123-JAN17	25-Jan-17	2880	2868	0.004	0.0066	0.0209	< 0.000007	0.031	< 0.000007	0.000019	0.000468	0.00007	0.00028	< 0.007
66	CA10008-FEB17	01-Feb-17	2880	3020	---	---	---	---	---	---	---	---	---	---	---
67	CA10044-FEB17	08-Feb-17	2880	2826	---	---	---	---	---	---	---	---	---	---	---
68	CA10089-FEB17	15-Feb-17	2880	2812	---	---	---	---	---	---	---	---	---	---	---
69	CA10126-FEB17	22-Feb-17	2880	2774	---	---	---	---	---	---	---	---	---	---	---
70	CA10009-MAR17	01-Mar-17	2880	2944	0.003	0.0077	0.0192	< 0.000007	0.028	< 0.000007	0.000014	0.000408	< 0.00003	0.00025	< 0.007
71	CA10046-MAR17	08-Mar-17	2880	2870	---	---	---	---	---	---	---	---	---	---	---
72	CA10082-MAR17	15-Mar-17	2880	2824	---	---	---	---	---	---	---	---	---	---	---
73	CA10121-MAR17	22-Mar-17	2880	2918	---	---	---	---	---	---	---	---	---	---	---
74	CA10156-MAR17	29-Mar-17	2880	2845	---	---	---	---	---	---	---	---	---	---	---
75	CA10027-APR17	05-Apr-17	2880	2792	0.003	0.0074	0.0233	0.000007	0.026	< 0.000007	0.000025	0.000396	< 0.00003	0.00249	< 0.007
76	CA10065-APR17	12-Apr-17	2880	3009	---	---	---	---	---	---	---	---	---	---	---
77	CA10102-APR17	19-Apr-17	2880	2839	---	---	---	---	---	---	---	---	---	---	---
78	CA10139-APR17	26-Apr-17	2880	2886	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-MAY17	03-May-17	2880	2878	---	0.0080	---	---	---	---	---	---	---	---	---
80	CA10064-MAY17	10-May-17	2880	2888	0.003	0.0084	0.0231	< 0.000007	0.037	< 0.000007	0.000021	0.000306	0.00006	0.00039	< 0.007
81	CA10100-MAY17	17-May-17	2880	2793	---	---	---	---	---	---	---	---	---	---	---
82	CA10136-MAY17	24-May-17	2880	2965	---	---	---	---	---	---	---	---	---	---	---
83	CA10172-MAY17	31-May-17	2880	2808	---	---	---	---	---	---	---	---	---	---	---
84	CA10025-JUN17	07-Jun-17	2880	2884	---	---	---	---	---	---	---	---	---	---	---
85	CA10066-JUN17	14-Jun-17	2880	2865	0.003	0.0074	0.0190	< 0.000007	0.021	< 0.000007	0.000016	0.000213	0.00007	0.00050	0.013
86	CA10097-JUN17	21-Jun-17	2880	2875	---	---	---	---	---	---	---	---	---	---	---
87	CA10128-JUN17	28-Jun-17	2880	2861	---	---	---	---	---	---	---	---	---	---	---
88	---	05-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---
89	---	12-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---
90	---	19-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---
91	---	26-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---
92	CA10013-AUG17	02-Aug-17	2880	2847	0.002	0.0045	0.0294	< 0.000007	0.031	< 0.000007	0.000020	0.000344	0.00004	0.00048	< 0.007
93	---	09-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---
94	---	16-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---
95	---	23-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---
96	---	30-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---
97	CA10020-SEP17	06-Sep-17	2880	2820	0.002	0.0042	0.0462	< 0.000007	0.050	< 0.000007	0.000042	0.000608	0.00018	0.00010	0.016
98	---	13-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---
99	---	20-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---
100	---	27-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---
101	---	04-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---
102	CA10038-OCT17	11-Oct-17	2880	2911	0.002	0.0041	0.0421	< 0.000007	0.060	< 0.000007	0.000042	0.00102	0.00084	0.00021	0.030
103	---	18-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---
104	---	25-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---
105	---	01-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---
106	---	08-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---
107	CA10080-NOV17	15-Nov-17	2880	2898	0.001	0.0038	0.0394	< 0.000007	0.253	0.000017	0.000048	0.000970	< 0.00003	0.00021	0.043
108	---	22-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---
109	---	29-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---
110	---	06-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10125-NOV16	23-Nov-16	2880	2951	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10166-NOV16	30-Nov-16	2880	2802	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10021-DEC16	07-Dec-16	2880	2952	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10052-DEC16	14-Dec-16	2880	2797	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10084-DEC16	21-Dec-16	2880	2946	21.8	0.0029	7.19	0.135	0.00146	1.78	0.0064	< 0.003	0.00007	0.0006	0.00067	0.247
61	CA10115-DEC16	28-Dec-16	2880	2951												
62	CA10021-JAN17	04-Jan-17	2880	2734	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10053-JAN17	11-Jan-17	2880	2873	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10087-JAN17	18-Jan-17	2880	2892	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10123-JAN17	25-Jan-17	2880	2868	23.1	0.0033	7.60	0.109	0.00179	1.69	0.0059	< 0.003	0.00008	0.0005	0.00067	0.237
66	CA10008-FEB17	01-Feb-17	2880	3020	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10044-FEB17	08-Feb-17	2880	2826	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10089-FEB17	15-Feb-17	2880	2812	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10126-FEB17	22-Feb-17	2880	2774	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10009-MAR17	01-Mar-17	2880	2944	21.9	0.0029	7.16	0.0781	0.00158	1.53	0.0053	< 0.003	< 0.00001	0.0005	0.00073	0.214
71	CA10046-MAR17	08-Mar-17	2880	2870	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10082-MAR17	15-Mar-17	2880	2824	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10121-MAR17	22-Mar-17	2880	2918	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10156-MAR17	29-Mar-17	2880	2845	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10027-APR17	05-Apr-17	2880	2792	24.3	0.0031	8.19	0.0739	0.00187	1.47	0.0056	< 0.003	0.00002	0.0005	0.00075	0.240
76	CA10065-APR17	12-Apr-17	2880	3009	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10102-APR17	19-Apr-17	2880	2839	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10139-APR17	26-Apr-17	2880	2886	---	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-MAY17	03-May-17	2880	2878	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-MAY17	10-May-17	2880	2888	20.1	0.0035	7.85	0.0584	0.00179	1.39	0.0052	< 0.003	< 0.00001	0.0007	0.00075	0.243
81	CA10100-MAY17	17-May-17	2880	2793	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10136-MAY17	24-May-17	2880	2965	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10172-MAY17	31-May-17	2880	2808	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10025-JUN17	07-Jun-17	2880	2884	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10066-JUN17	14-Jun-17	2880	2865	17.5	0.0023	6.52	0.0409	0.00132	1.08	0.0038	< 0.003	0.00007	0.0005	0.00061	0.193
86	CA10097-JUN17	21-Jun-17	2880	2875	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10128-JUN17	28-Jun-17	2880	2861	---	---	---	---	---	---	---	---	---	---	---	---
88	---	05-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
89	---	12-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
90	---	19-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
91	---	26-Jul-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
92	CA10013-AUG17	02-Aug-17	2880	2847	23.0	0.0034	10.8	0.0641	0.00095	1.41	0.0062	< 0.003	< 0.00001	0.0004	0.00073	0.283
93	---	09-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
94	---	16-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
95	---	23-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
96	---	30-Aug-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
97	CA10020-SEP17	06-Sep-17	2880	2820	34.1	0.0046	18.8	0.117	0.00098	2.25	0.0117	0.006	< 0.00001	0.0004	0.00098	0.519
98	---	13-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
99	---	20-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
100	---	27-Sep-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
101	---	04-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
102	CA10038-OCT17	11-Oct-17	2880	2911	36.5	0.0059	22.6	0.291	0.00101	2.53	0.0154	< 0.003	0.00002	0.0005	0.00120	0.663
103	---	18-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
104	---	25-Oct-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
105	---	01-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
106	---	08-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
107	CA10080-NOV17	15-Nov-17	2880	2898	34.1	0.0056	24.5	0.333	0.00088	2.57	0.0147	< 0.003	0.00006	0.0005	0.00144	0.650
108	---	22-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
109	---	29-Nov-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
110	---	06-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10125-NOV16	23-Nov-16	2880	2951	---	---	---	---	---	---	---	---
57	CA10166-NOV16	30-Nov-16	2880	2802	---	---	---	---	---	---	---	---
58	CA10021-DEC16	07-Dec-16	2880	2952	---	---	---	---	---	---	---	---
59	CA10052-DEC16	14-Dec-16	2880	2797	---	---	---	---	---	---	---	---
60	CA10084-DEC16	21-Dec-16	2880	2946	< 0.00001	< 0.00005	0.000015	0.000572	0.00002	< 0.002	---	---
61	CA10115-DEC16	28-Dec-16	2880	2951							---	---
62	CA10021-JAN17	04-Jan-17	2880	2734	---	---	---	---	---	---	---	---
63	CA10053-JAN17	11-Jan-17	2880	2873	---	---	---	---	---	---	---	---
64	CA10087-JAN17	18-Jan-17	2880	2892	---	---	---	---	---	---	---	---
65	CA10123-JAN17	25-Jan-17	2880	2868	0.00012	< 0.00005	0.000011	0.000703	0.00003	< 0.002	---	---
66	CA10008-FEB17	01-Feb-17	2880	3020	---	---	---	---	---	---	---	---
67	CA10044-FEB17	08-Feb-17	2880	2826	---	---	---	---	---	---	---	---
68	CA10089-FEB17	15-Feb-17	2880	2812	---	---	---	---	---	---	---	---
69	CA10126-FEB17	22-Feb-17	2880	2774	---	---	---	---	---	---	---	---
70	CA10009-MAR17	01-Mar-17	2880	2944	0.00006	< 0.00005	0.000009	0.000672	0.00004	< 0.002	---	---
71	CA10046-MAR17	08-Mar-17	2880	2870	---	---	---	---	---	---	---	---
72	CA10082-MAR17	15-Mar-17	2880	2824	---	---	---	---	---	---	---	---
73	CA10121-MAR17	22-Mar-17	2880	2918	---	---	---	---	---	---	---	---
74	CA10156-MAR17	29-Mar-17	2880	2845	---	---	---	---	---	---	---	---
75	CA10027-APR17	05-Apr-17	2880	2792	< 0.00001	0.00005	0.000015	0.000841	0.00004	< 0.002	---	---
76	CA10065-APR17	12-Apr-17	2880	3009	---	---	---	---	---	---	---	---
77	CA10102-APR17	19-Apr-17	2880	2839	---	---	---	---	---	---	---	---
78	CA10139-APR17	26-Apr-17	2880	2886	---	---	---	---	---	---	---	---
79	CA10026-MAY17	03-May-17	2880	2878	---	---	---	---	---	---	<0.0005	0.0081
80	CA10064-MAY17	10-May-17	2880	2888	0.00008	< 0.00005	0.000015	0.000762	0.00002	< 0.002	<0.0005	0.0072
81	CA10100-MAY17	17-May-17	2880	2793	---	---	---	---	---	---	---	---
82	CA10136-MAY17	24-May-17	2880	2965	---	---	---	---	---	---	---	---
83	CA10172-MAY17	31-May-17	2880	2808	---	---	---	---	---	---	---	---
84	CA10025-JUN17	07-Jun-17	2880	2884	---	---	---	---	---	---	---	---
85	CA10066-JUN17	14-Jun-17	2880	2865	0.00042	< 0.00005	0.000015	0.000559	0.00001	< 0.002	---	---
86	CA10097-JUN17	21-Jun-17	2880	2875	---	---	---	---	---	---	---	---
87	CA10128-JUN17	28-Jun-17	2880	2861	---	---	---	---	---	---	---	---
88	---	05-Jul-17	---	---	---	---	---	---	---	---	---	---
89	---	12-Jul-17	---	---	---	---	---	---	---	---	---	---
90	---	19-Jul-17	---	---	---	---	---	---	---	---	---	---
91	---	26-Jul-17	---	---	---	---	---	---	---	---	---	---
92	CA10013-AUG17	02-Aug-17	2880	2847	0.00007	< 0.00005	0.000006	0.000757	0.00001	< 0.002	---	---
93	---	09-Aug-17	---	---	---	---	---	---	---	---	---	---
94	---	16-Aug-17	---	---	---	---	---	---	---	---	---	---
95	---	23-Aug-17	---	---	---	---	---	---	---	---	---	---
96	---	30-Aug-17	---	---	---	---	---	---	---	---	---	---
97	CA10020-SEP17	06-Sep-17	2880	2820	0.00006	< 0.00005	0.000014	0.00111	0.00001	0.002	---	---
98	---	13-Sep-17	---	---	---	---	---	---	---	---	---	---
99	---	20-Sep-17	---	---	---	---	---	---	---	---	---	---
100	---	27-Sep-17	---	---	---	---	---	---	---	---	---	---
101	---	04-Oct-17	---	---	---	---	---	---	---	---	---	---
102	CA10038-OCT17	11-Oct-17	2880	2911	0.00007	< 0.00005	0.000015	0.00114	0.00002	0.003	---	---
103	---	18-Oct-17	---	---	---	---	---	---	---	---	---	---
104	---	25-Oct-17	---	---	---	---	---	---	---	---	---	---
105	---	01-Nov-17	---	---	---	---	---	---	---	---	---	---
106	---	08-Nov-17	---	---	---	---	---	---	---	---	---	---
107	CA10080-NOV17	15-Nov-17	2880	2898	0.00003	< 0.00005	0.000013	0.00102	0.00003	0.003	---	---
108	---	22-Nov-17	---	---	---	---	---	---	---	---	---	---
109	---	29-Nov-17	---	---	---	---	---	---	---	---	---	---
110	---	06-Dec-17	---	---	---	---	---	---	---	---	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
111	---	13-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---
112	CA10218-DEC17	20-Dec-17	2880	2840	7.73	< 2	65	1420	790	283	< 1	0.16	< 0.00001	< 0.00005
113	---	27-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---
114	---	03-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---
115	---	10-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---
116	---	17-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---
117	CA10264-JAN18	24-Jan-18	2880	2555	7.57	< 2	64	1330	730	262	1	0.14	< 0.00001	< 0.00005
118	---	31-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---
119	---	07-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---
120	---	14-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---
121	---	21-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---
122	CA10253-FEB18	28-Feb-18	2880	3037	7.65	< 2	70	1380	890	398	2	0.14	< 0.00001	< 0.00005
123	---	07-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---
124	---	14-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---
125	---	21-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---
126	---	28-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---
127	CA10019-APR18	04-Apr-18	2880	2986	7.49	< 2	59	1390	720	270	1	0.14	< 0.00001	< 0.00005
128	---	11-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---
129	---	18-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---
130	---	25-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---
131	---	02-May-18	---	---	---	---	---	---	---	---	---	---	---	---
132	CA10096-MAY18	09-May-18	2880	2740	7.66	< 2	56	1480	850	362	1	0.14	< 0.00001	< 0.00005
133	---	16-May-18	---	---	---	---	---	---	---	---	---	---	---	---
134	---	23-May-18	---	---	---	---	---	---	---	---	---	---	---	---
135	---	30-May-18	---	---	---	---	---	---	---	---	---	---	---	---
136	---	06-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---
137	CA10086-JUN18	13-Jun-18	2880	2871	7.41	< 2	53	1450	780	330	< 1	0.21	0.00001	< 0.00005
138	---	20-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---
139	---	27-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---
140	---	04-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---
141	---	11-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---
142	CA10095-JUL18	18-Jul-18	2880	2608	7.33	< 2	47	1450	870	337	1	0.21	< 0.00001	< 0.00005
143	---	25-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---
144	---	01-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---
145	---	08-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---
146	---	15-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---
147	CA10223-AUG18	22-Aug-18	2880	2801	6.89	< 2	53	1250	710	268	1	0.15	< 0.00001	< 0.00005
148	---	29-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---
149	---	05-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---
150	---	12-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---
151	---	19-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---
152	CA10260-SEP18	26-Sep-18	2880	2824	7.40	< 2	62	1670	980	384	2	0.16	< 0.00001	< 0.00005
153	---	03-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---
154	---	10-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---
155	---	17-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---
156	---	24-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---
157		31-Oct-18	2880											
158	---	07-Nov-18	---											
159	---	14-Nov-18	---											
160	---	21-Nov-18	---											
161	---	28-Nov-18	---											
162		05-Dec-18	2880											
163	---	12-Dec-18	---											
164	---	19-Dec-18	---											
165	---	26-Dec-18	---											
166	---	02-Jan-19	---											

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
111	---	13-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---
112	CA10218-DEC17	20-Dec-17	2880	2840	0.002	0.0042	0.0371	< 0.000007	0.066	< 0.000007	0.000056	0.000861	< 0.00003	0.00046	0.046
113	---	27-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---
114	---	03-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---
115	---	10-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---
116	---	17-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---
117	CA10264-JAN18	24-Jan-18	2880	2555	0.002	0.0040	0.0342	< 0.000007	0.082	< 0.000007	0.000067	0.000788	< 0.00003	0.00058	0.058
118	---	31-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---
119	---	07-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---
120	---	14-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---
121	---	21-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---
122	CA10253-FEB18	28-Feb-18	2880	3037	0.001	0.0057	0.0414	< 0.000007	0.134	< 0.000007	0.000104	0.00214	0.00007	0.00034	0.153
123	---	07-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---
124	---	14-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---
125	---	21-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---
126	---	28-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---
127	CA10019-APR18	04-Apr-18	2880	2986	0.001	0.0034	0.0329	< 0.000007	0.060	< 0.000007	0.000096	0.00228	< 0.00003	0.00046	0.136
128	---	11-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---
129	---	18-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---
130	---	25-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---
131	---	02-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---
132	CA10096-MAY18	09-May-18	2880	2740	< 0.001	0.0035	0.0320	< 0.000007	0.069	< 0.000007	0.000073	0.00183	< 0.00003	0.00015	0.057
133	---	16-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---
134	---	23-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---
135	---	30-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---
136	---	06-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---
137	CA10086-JUN18	13-Jun-18	2880	2871	0.001	0.0034	0.0279	< 0.000007	0.066	< 0.000007	0.000073	0.00117	< 0.00003	0.00019	0.075
138	---	20-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---
139	---	27-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---
140	---	04-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---
141	---	11-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---
142	CA10095-JUL18	18-Jul-18	2880	2608	0.001	0.0034	0.0247	< 0.000007	0.096	< 0.000007	0.000064	0.001508	< 0.00003	0.00030	0.012
143	---	25-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---
144	---	01-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---
145	---	08-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---
146	---	15-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---
147	CA10223-AUG18	22-Aug-18	2880	2801	< 0.001	0.0024	0.02041	< 0.000007	0.086	< 0.000007	0.000078	0.00160	< 0.00003	0.00046	0.054
148	---	29-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---
149	---	05-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---
150	---	12-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---
151	---	19-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---
152	CA10260-SEP18	26-Sep-18	2880	2824	< 0.001	0.0022	0.0283	< 0.000007	0.076	< 0.000007	0.000066	0.00112	0.00007	0.00057	0.068
153	---	03-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---
154	---	10-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---
155	---	17-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---
156	---	24-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---
157		31-Oct-18	2880												
158	---	07-Nov-18	---												
159	---	14-Nov-18	---												
160	---	21-Nov-18	---												
161	---	28-Nov-18	---												
162		05-Dec-18	2880												
163	---	12-Dec-18	---												
164	---	19-Dec-18	---												
165	---	26-Dec-18	---												
166	---	02-Jan-19	---												

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
111	---	13-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
112	CA10218-DEC17	20-Dec-17	2880	2840	35.3	0.0051	22.3	0.259	0.00079	2.54	0.0145	< 0.003	< 0.00001	0.0005	0.00163	0.679
113	---	27-Dec-17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
114	---	03-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
115	---	10-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
116	---	17-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
117	CA10264-JAN18	24-Jan-18	2880	2555	33.4	0.0095	24.0	0.208	0.00172	3.65	0.0132	< 0.003	0.00018	0.0004	0.00124	0.603
118	---	31-Jan-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
119	---	07-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
120	---	14-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
121	---	21-Feb-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
122	CA10253-FEB18	28-Feb-18	2880	3037	44.7	0.0071	25.4	1.89	0.00072	2.74	0.0179	< 0.003	0.00003	0.0004	0.00139	0.745
123	---	07-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
124	---	14-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
125	---	21-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
126	---	28-Mar-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
127	CA10019-APR18	04-Apr-18	2880	2986	35.5	0.0066	24.1	1.39	0.00058	2.74	0.0213	< 0.003	< 0.00001	0.0007	0.00104	0.641
128	---	11-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
129	---	18-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
130	---	25-Apr-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
131	---	02-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
132	CA10096-MAY18	09-May-18	2880	2740	43.7	0.0067	22.4	0.464	0.00082	2.85	0.0217	< 0.003	< 0.00001	0.0005	0.00157	0.828
133	---	16-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
134	---	23-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
135	---	30-May-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
136	---	06-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
137	CA10086-JUN18	13-Jun-18	2880	2871	30.3	0.0060	22.7	0.474	0.00055	2.35	0.0153	< 0.003	0.00003	0.0006	0.00118	0.769
138	---	20-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
139	---	27-Jun-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
140	---	04-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
141	---	11-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
142	CA10095-JUL18	18-Jul-18	2880	2608	53.9	0.0077	26.1	0.141	0.00425	3.24	0.0260	< 0.003	< 0.00001	0.0005	0.00320	0.762
143	---	25-Jul-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
144	---	01-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
145	---	08-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
146	---	15-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
147	CA10223-AUG18	22-Aug-18	2880	2801	31.3	0.0072	22.1	0.466	0.00043	2.23	0.0187	< 0.003	0.00007	0.0006	0.00110	0.694
148	---	29-Aug-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
149	---	05-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
150	---	12-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
151	---	19-Sep-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
152	CA10260-SEP18	26-Sep-18	2880	2824	40.9	0.0055	30.4	0.281	0.00039	2.67	0.0192	< 0.003	< 0.00001	0.0006	0.00160	0.963
153	---	03-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
154	---	10-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
155	---	17-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
156	---	24-Oct-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
157		31-Oct-18	2880													
158	---	07-Nov-18	---													
159	---	14-Nov-18	---													
160	---	21-Nov-18	---													
161	---	28-Nov-18	---													
162		05-Dec-18	2880													
163	---	12-Dec-18	---													
164	---	19-Dec-18	---													
165	---	26-Dec-18	---													
166	---	02-Jan-19	---													

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
111	---	13-Dec-17	---	---	---	---	---	---	---	---	---	---
112	CA10218-DEC17	20-Dec-17	2880	2840	0.00009	< 0.00005	0.000014	0.00103	0.00001	< 0.002	---	---
113	---	27-Dec-17	---	---	---	---	---	---	---	---	---	---
114	---	03-Jan-18	---	---	---	---	---	---	---	---	---	---
115	---	10-Jan-18	---	---	---	---	---	---	---	---	---	---
116	---	17-Jan-18	---	---	---	---	---	---	---	---	---	---
117	CA10264-JAN18	24-Jan-18	2880	2555	0.00006	0.00009	0.000032	0.00104	0.00002	0.003	---	---
118	---	31-Jan-18	---	---	---	---	---	---	---	---	---	---
119	---	07-Feb-18	---	---	---	---	---	---	---	---	---	---
120	---	14-Feb-18	---	---	---	---	---	---	---	---	---	---
121	---	21-Feb-18	---	---	---	---	---	---	---	---	---	---
122	CA10253-FEB18	28-Feb-18	2880	3037	0.00011	< 0.00005	0.000012	0.001014	0.00001	0.004	---	---
123	---	07-Mar-18	---	---	---	---	---	---	---	---	---	---
124	---	14-Mar-18	---	---	---	---	---	---	---	---	---	---
125	---	21-Mar-18	---	---	---	---	---	---	---	---	---	---
126	---	28-Mar-18	---	---	---	---	---	---	---	---	---	---
127	CA10019-APR18	04-Apr-18	2880	2986	0.00004	< 0.00005	0.000011	0.000787	0.00001	0.004	---	---
128	---	11-Apr-18	---	---	---	---	---	---	---	---	---	---
129	---	18-Apr-18	---	---	---	---	---	---	---	---	---	---
130	---	25-Apr-18	---	---	---	---	---	---	---	---	---	---
131	---	02-May-18	---	---	---	---	---	---	---	---	---	---
132	CA10096-MAY18	09-May-18	2880	2740	0.00004	< 0.00005	0.000012	0.000733	< 0.00001	0.003	---	---
133	---	16-May-18	---	---	---	---	---	---	---	---	---	---
134	---	23-May-18	---	---	---	---	---	---	---	---	---	---
135	---	30-May-18	---	---	---	---	---	---	---	---	---	---
136	---	06-Jun-18	---	---	---	---	---	---	---	---	---	---
137	CA10086-JUN18	13-Jun-18	2880	2871	0.00007	< 0.00005	0.000012	0.000691	< 0.00001	0.003	---	---
138	---	20-Jun-18	---	---	---	---	---	---	---	---	---	---
139	---	27-Jun-18	---	---	---	---	---	---	---	---	---	---
140	---	04-Jul-18	---	---	---	---	---	---	---	---	---	---
141	---	11-Jul-18	---	---	---	---	---	---	---	---	---	---
142	CA10095-JUL18	18-Jul-18	2880	2608	0.00002	< 0.00005	< 0.000005	0.000500	< 0.00001	0.003	---	---
143	---	25-Jul-18	---	---	---	---	---	---	---	---	---	---
144	---	01-Aug-18	---	---	---	---	---	---	---	---	---	---
145	---	08-Aug-18	---	---	---	---	---	---	---	---	---	---
146	---	15-Aug-18	---	---	---	---	---	---	---	---	---	---
147	CA10223-AUG18	22-Aug-18	2880	2801	0.00003	0.00005	0.000016	0.000628	< 0.00001	0.003	---	---
148	---	29-Aug-18	---	---	---	---	---	---	---	---	---	---
149	---	05-Sep-18	---	---	---	---	---	---	---	---	---	---
150	---	12-Sep-18	---	---	---	---	---	---	---	---	---	---
151	---	19-Sep-18	---	---	---	---	---	---	---	---	---	---
152	CA10260-SEP18	26-Sep-18	2880	2824	0.00005	< 0.00005	0.000021	0.000648	< 0.00001	0.003	---	---
153	---	03-Oct-18	---	---	---	---	---	---	---	---	---	---
154	---	10-Oct-18	---	---	---	---	---	---	---	---	---	---
155	---	17-Oct-18	---	---	---	---	---	---	---	---	---	---
156	---	24-Oct-18	---	---	---	---	---	---	---	---	---	---
157		31-Oct-18	2880								---	---
158	---	07-Nov-18	---								---	---
159	---	14-Nov-18	---								---	---
160	---	21-Nov-18	---								---	---
161	---	28-Nov-18	---								---	---
162		05-Dec-18	2880								---	---
163	---	12-Dec-18	---								---	---
164	---	19-Dec-18	---								---	---
165	---	26-Dec-18	---								---	---
166	---	02-Jan-19	---								---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
167		09-Jan-19	2880											
168	---	16-Jan-19	---											
169	---	23-Jan-19	---											
170	---	30-Jan-19	---											

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
167		09-Jan-19	2880												
168	---	16-Jan-19	---												
169	---	23-Jan-19	---												
170	---	30-Jan-19	---												

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
167		09-Jan-19	2880													
168	---	16-Jan-19	---													
169	---	23-Jan-19	---													
170	---	30-Jan-19	---													

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #6 Greywacke (S10e)
Weight: 28.8kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
167		09-Jan-19	2880								---	---
168	---	16-Jan-19	---								---	---
169	---	23-Jan-19	---								---	---
170	---	30-Jan-19	---								---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: #9 Greywacke (S3N)
Weight: 12kg
Cell Type Wasterock

Analyte			Leachate Volume Added (L)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10139-DEC16	21-Dec-16	1.2	160	8.06	< 2	163	1970	1000	309	15	0.12	< 0.00001	< 0.00005
1	CA10140-DEC16	28-Dec-16	1.2	1145	7.56	44	45	1840	1100	325	29	0.31	< 0.00001	< 0.00005
2	CA10019-JAN17	04-Jan-17	1.2	1173	7.49	< 2	43	1640	900	281	5	0.34	< 0.00001	< 0.00005
3	CA10051-JAN17	11-Jan-17	1.2	1174	7.47	< 2	41	1420	930	268	3	0.35	< 0.00001	< 0.00005
4	CA10085-JAN17	18-Jan-17	1.2	1171	7.44	< 2	38	1220	620	213	2	0.34	< 0.00001	< 0.00005
5	CA10121-JAN17	25-Jan-17	1.2	1212	7.33	< 2	36	1080	660	205	1	0.36	< 0.00001	< 0.00005
6	CA10006-FEB17	01-Feb-17	1.2	1252	7.57	< 2	33	990	440	178	---	---	---	---
7	CA10042-FEB17	08-Feb-17	1.2	1178	7.57	< 2	31	863	450	161	---	---	---	---
8	CA10087-FEB17	15-Feb-17	1.2	1148	7.61	< 2	30	785	420	146	---	---	---	---
9	CA10124-FEB17	22-Feb-17	1.2	1131	7.57	< 2	29	731	350	125	---	---	---	---
10	CA10007-MAR17	01-Mar-17	1.2	1215	7.53	< 2	31	720	210	133	< 1	0.34	< 0.00001	< 0.00005
11	CA10044-MAR17	08-Mar-17	1.2	1182	7.47	< 2	29	646	320	112	---	---	---	---
12	CA10080-MAR17	15-Mar-17	1.2	1158	7.54	< 2	28	587	280	100	---	---	---	---
13	CA10119-MAR17	22-Mar-17	1.2	1187	7.58	< 2	30	561	270	100	---	---	---	---
14	CA10154-MAR17	29-Mar-17	1.2	1152	7.68	< 2	28	526	230	95.3	---	---	---	---
15	CA10025-APR17	05-Apr-17	1.2	1154	7.64	< 2	29	502	220	90.9	< 1	0.36	< 0.00001	< 0.00005
16	CA10063-APR17	12-Apr-17	1.2	1199	7.57	< 2	29	476	220	94.4	---	---	---	---
17	CA10100-APR17	19-Apr-17	1.2	1151	7.57	< 2	27	428	190	72.9	---	---	---	---
18	CA10137-APR17	26-Apr-17	1.2	1174	7.67	< 2	30	442	200	71.2	---	---	---	---
19	CA10025-MAY17	03-May-17	1.2	1154	7.65	< 2	29	417	190	80.9	---	---	---	---
20	CA10062-MAY17	10-May-17	1.2	1164	7.51	< 2	29	398	170	69.9	< 1	0.33	< 0.00001	< 0.00005
21	CA10098-MAY17	17-May-17	1.2	1135	7.57	< 2	24	371	150	65.0	---	---	---	---
22	CA10134-MAY17	24-May-17	1.2	1216	7.51	< 2	26	398	130	75.3	---	---	---	---
23	CA10170-MAY17	31-May-17	1.2	1128	7.34	< 2	32	360	140	57.6	---	---	---	---
24	CA10023-JUN17	07-Jun-17	1.2	1159	7.59	< 2	27	374	140	62.4	---	---	---	---
25	CA10064-JUN17	14-Jun-17	1.2	1166	7.63	< 2	30	371	150	53.4	< 1	0.28	< 0.00001	< 0.00005
26	CA10095-JUN17	21-Jun-17	1.2	1170	7.60	< 2	25	350	140	62.4	---	---	---	---
27	CA10126-JUN17	28-Jun-17	1.2	1168	7.66	< 2	26	347	140	60.1	---	---	---	---
28	---	05-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---
29	---	12-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---
30	---	19-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---
31	---	26-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---
32	CA10010-AUG17	02-Aug-17	1.2	1161	7.56	< 2	23	586	280	108	1	0.26	0.00002	< 0.00005
33	---	09-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---
34	---	16-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---
35	---	23-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---
36	---	30-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---
37	CA10022-SEP17	06-Sep-17	1.2	957	7.43	< 2	24	771	390	157	< 1	0.25	< 0.00001	< 0.00005
38	---	13-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---
39	---	20-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---
40	---	27-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---
41	---	04-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---
42	CA10036-OCT17	11-Oct-17	1.2	1120	7.35	< 2	14	798	410	131	1	0.23	< 0.00001	< 0.00005
43	---	18-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---
44	---	25-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---
45	---	01-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---
46	---	08-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---
47	CA10078-NOV17	15-Nov-17	1.2	1140	7.45	< 2	16	889	460	196	< 1	0.23	< 0.00001	< 0.00005
48	---	22-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---
49	---	29-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---
50	---	06-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---
51	---	13-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---
52	CA10216-DEC17	20-Dec-17	1.2	1081	7.43	< 2	15	890	490	180	< 1	0.24	< 0.00001	< 0.00005
53	---	27-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---
54	---	03-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---
55	---	10-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: #9 Greywacke (S3N)
Weight: 12kg
Cell Type Wasterock

Analyte			Leachate Volume Added (L)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10139-DEC16	21-Dec-16	1.2	160	0.005	0.0055	0.0767	0.000007	0.034	< 0.000007	0.000816	0.104	0.00003	0.00098	0.009
1	CA10140-DEC16	28-Dec-16	1.2	1145	0.009	0.0121	0.0281	< 0.000007	0.048	< 0.000007	0.000319	0.00915	0.00011	0.00077	< 0.007
2	CA10019-JAN17	04-Jan-17	1.2	1173	0.008	0.0061	0.0216	< 0.000007	0.054	< 0.000007	0.000315	0.00631	0.00004	0.00039	< 0.007
3	CA10051-JAN17	11-Jan-17	1.2	1174	0.009	0.0040	0.0155	< 0.000007	0.046	< 0.000007	0.000262	0.00380	< 0.00003	0.00040	< 0.007
4	CA10085-JAN17	18-Jan-17	1.2	1171	0.009	0.0026	0.0124	< 0.000007	0.038	< 0.000007	0.000216	0.00310	0.00005	0.00036	< 0.007
5	CA10121-JAN17	25-Jan-17	1.2	1212	0.010	0.0021	0.0103	< 0.000007	0.033	< 0.000007	0.000131	0.00197	0.00007	0.00088	< 0.007
6	CA10006-FEB17	01-Feb-17	1.2	1252	---	---	---	---	---	---	---	---	---	---	---
7	CA10042-FEB17	08-Feb-17	1.2	1178	---	---	---	---	---	---	---	---	---	---	---
8	CA10087-FEB17	15-Feb-17	1.2	1148	---	---	---	---	---	---	---	---	---	---	---
9	CA10124-FEB17	22-Feb-17	1.2	1131	---	---	---	---	---	---	---	---	---	---	---
10	CA10007-MAR17	01-Mar-17	1.2	1215	0.013	0.0021	0.00681	< 0.000007	0.021	< 0.000007	0.000108	0.000887	< 0.00003	0.00031	< 0.007
11	CA10044-MAR17	08-Mar-17	1.2	1182	---	---	---	---	---	---	---	---	---	---	---
12	CA10080-MAR17	15-Mar-17	1.2	1158	---	---	---	---	---	---	---	---	---	---	---
13	CA10119-MAR17	22-Mar-17	1.2	1187	---	---	---	---	---	---	---	---	---	---	---
14	CA10154-MAR17	29-Mar-17	1.2	1152	---	---	---	---	---	---	---	---	---	---	---
15	CA10025-APR17	05-Apr-17	1.2	1154	0.016	0.0026	0.00455	0.000007	0.012	< 0.000007	0.000101	0.000673	< 0.00003	0.00541	< 0.007
16	CA10063-APR17	12-Apr-17	1.2	1199	---	---	---	---	---	---	---	---	---	---	---
17	CA10100-APR17	19-Apr-17	1.2	1151	---	---	---	---	---	---	---	---	---	---	---
18	CA10137-APR17	26-Apr-17	1.2	1174	---	---	---	---	---	---	---	---	---	---	---
19	CA10025-MAY17	03-May-17	1.2	1154	---	0.0018	---	---	---	---	---	---	---	---	---
20	CA10062-MAY17	10-May-17	1.2	1164	0.018	0.0016	0.00387	< 0.000007	0.015	< 0.000007	0.000062	0.000568	0.00009	0.00452	0.014
21	CA10098-MAY17	17-May-17	1.2	1135	---	---	---	---	---	---	---	---	---	---	---
22	CA10134-MAY17	24-May-17	1.2	1216	---	---	---	---	---	---	---	---	---	---	---
23	CA10170-MAY17	31-May-17	1.2	1128	---	---	---	---	---	---	---	---	---	---	---
24	CA10023-JUN17	07-Jun-17	1.2	1159	---	---	---	---	---	---	---	---	---	---	---
25	CA10064-JUN17	14-Jun-17	1.2	1166	0.013	0.0015	0.00322	< 0.000007	0.008	< 0.000007	0.000063	0.000540	0.00005	0.00056	< 0.007
26	CA10095-JUN17	21-Jun-17	1.2	1170	---	---	---	---	---	---	---	---	---	---	---
27	CA10126-JUN17	28-Jun-17	1.2	1168	---	---	---	---	---	---	---	---	---	---	---
28	---	05-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
29	---	12-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
30	---	19-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
31	---	26-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10010-AUG17	02-Aug-17	1.2	1161	0.010	0.0009	0.00555	< 0.000007	0.011	< 0.000007	0.000129	0.00132	0.00006	0.00030	< 0.007
33	---	09-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
34	---	16-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
35	---	23-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
36	---	30-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10022-SEP17	06-Sep-17	1.2	957	0.008	0.0010	0.00923	< 0.000007	0.011	< 0.000007	0.000142	0.00200	0.00064	0.00035	0.016
38	---	13-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
39	---	20-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
40	---	27-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
41	---	04-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10036-OCT17	11-Oct-17	1.2	1120	0.008	0.0009	0.00748	< 0.000007	0.013	< 0.000007	0.000185	0.00233	0.00046	0.00020	0.008
43	---	18-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
44	---	25-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
45	---	01-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
46	---	08-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10078-NOV17	15-Nov-17	1.2	1140	0.007	0.0010	0.00732	< 0.000007	0.262	0.000009	0.000220	0.00288	< 0.00003	0.00082	0.014
48	---	22-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
49	---	29-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
50	---	06-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
51	---	13-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10216-DEC17	20-Dec-17	1.2	1081	0.008	0.0008	0.00703	< 0.000007	0.011	< 0.000007	0.000227	0.00293	< 0.00003	0.00056	0.012
53	---	27-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---
54	---	03-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
55	---	10-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: #9 Greywacke (S3N)
Weight: 12kg
Cell Type Wasterock

Analyte			Leachate Volume Added (L)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10139-DEC16	21-Dec-16	1.2	160	81.9	0.0316	69.4	10.7	0.0006	22.5	0.587	0.047	0.00028	0.0026	0.00486	0.716
1	CA10140-DEC16	28-Dec-16	1.2	1145	66.9	0.0196	69.1	4.75	0.00094	21.2	0.0452	0.014	0.00003	0.0027	0.00678	0.593
2	CA10019-JAN17	04-Jan-17	1.2	1173	64.9	0.0150	58.7	3.64	0.00084	19.1	0.0261	< 0.003	0.00035	0.0027	0.00660	0.544
3	CA10051-JAN17	11-Jan-17	1.2	1174	52.1	0.0113	44.8	2.67	0.00125	12.9	0.0133	0.005	0.00007	0.0019	0.00515	0.428
4	CA10085-JAN17	18-Jan-17	1.2	1171	40.6	0.0077	30.7	1.76	0.00176	8.70	0.0085	< 0.003	0.00010	0.0018	0.00316	0.329
5	CA10121-JAN17	25-Jan-17	1.2	1212	34.3	0.0069	23.6	1.30	0.00152	5.80	0.0057	< 0.003	< 0.00001	0.0016	0.00285	0.275
6	CA10006-FEB17	01-Feb-17	1.2	1252	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10042-FEB17	08-Feb-17	1.2	1178	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10087-FEB17	15-Feb-17	1.2	1148	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10124-FEB17	22-Feb-17	1.2	1131	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10007-MAR17	01-Mar-17	1.2	1215	18.5	0.0039	8.54	0.589	0.00081	1.99	0.0022	< 0.003	0.00010	0.0012	0.00167	0.157
11	CA10044-MAR17	08-Mar-17	1.2	1182	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10080-MAR17	15-Mar-17	1.2	1158	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10119-MAR17	22-Mar-17	1.2	1187	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10154-MAR17	29-Mar-17	1.2	1152	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10025-APR17	05-Apr-17	1.2	1154	13.0	0.0029	4.58	0.365	0.00097	1.15	0.0014	< 0.003	0.00006	0.0010	0.00114	0.0992
16	CA10063-APR17	12-Apr-17	1.2	1199	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10100-APR17	19-Apr-17	1.2	1151	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10137-APR17	26-Apr-17	1.2	1174	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10025-MAY17	03-May-17	1.2	1154	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10062-MAY17	10-May-17	1.2	1164	9.91	0.0030	3.32	0.298	0.00107	0.83	0.0012	0.003	0.00003	0.0011	0.00135	0.0873
21	CA10098-MAY17	17-May-17	1.2	1135	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10134-MAY17	24-May-17	1.2	1216	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10170-MAY17	31-May-17	1.2	1128	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10023-JUN17	07-Jun-17	1.2	1159	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10064-JUN17	14-Jun-17	1.2	1166	8.24	0.0021	2.33	0.244	0.00108	0.65	0.0010	< 0.003	0.00001	0.0008	0.00084	0.0672
26	CA10095-JUN17	21-Jun-17	1.2	1170	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10126-JUN17	28-Jun-17	1.2	1168	---	---	---	---	---	---	---	---	---	---	---	---
28	---	05-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
29	---	12-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
30	---	19-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
31	---	26-Jul-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10010-AUG17	02-Aug-17	1.2	1161	11.1	0.0032	4.04	0.468	0.00112	0.98	0.0024	< 0.003	0.00003	0.0008	0.00132	0.120
33	---	09-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
34	---	16-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
35	---	23-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
36	---	30-Aug-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10022-SEP17	06-Sep-17	1.2	957	13.2	0.0031	5.12	0.651	0.00305	1.26	0.0037	< 0.003	0.00006	0.0009	0.00167	0.166
38	---	13-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
39	---	20-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
40	---	27-Sep-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
41	---	04-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10036-OCT17	11-Oct-17	1.2	1120	10.8	0.0031	4.30	0.734	0.00134	0.98	0.0044	< 0.003	0.00005	0.0007	0.00222	0.182
43	---	18-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
44	---	25-Oct-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
45	---	01-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
46	---	08-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10078-NOV17	15-Nov-17	1.2	1140	13.5	0.0021	5.89	0.860	0.00134	1.57	0.0055	< 0.003	0.00007	0.0008	0.00231	0.209
48	---	22-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
49	---	29-Nov-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
50	---	06-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
51	---	13-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10216-DEC17	20-Dec-17	1.2	1081	12.4	0.0039	5.54	0.899	0.00120	1.41	0.0061	< 0.003	< 0.00001	0.0008	0.00269	0.216
53	---	27-Dec-17	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
54	---	03-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
55	---	10-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: #9 Greywacke (S3N)
Weight: 12kg
Cell Type Wasterock

Analyte			Leachate Volume Added (L)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10139-DEC16	21-Dec-16	1.2	160	0.00101	< 0.00005	0.000093	0.00785	0.00002	0.038	---	---
1	CA10140-DEC16	28-Dec-16	1.2	1145	0.00130	< 0.00005	0.000043	0.00904	0.00006	0.004	---	---
2	CA10019-JAN17	04-Jan-17	1.2	1173	0.00097	0.00010	0.000037	0.00850	0.00007	0.004	---	---
3	CA10051-JAN17	11-Jan-17	1.2	1174	0.00071	< 0.00005	0.000029	0.00652	0.00008	0.004	---	---
4	CA10085-JAN17	18-Jan-17	1.2	1171	0.00067	< 0.00005	0.000022	0.00616	0.00005	0.004	---	---
5	CA10121-JAN17	25-Jan-17	1.2	1212	0.00053	< 0.00005	0.000019	0.00510	0.00008	< 0.002	---	---
6	CA10006-FEB17	01-Feb-17	1.2	1252	---	---	---	---	---	---	---	---
7	CA10042-FEB17	08-Feb-17	1.2	1178	---	---	---	---	---	---	---	---
8	CA10087-FEB17	15-Feb-17	1.2	1148	---	---	---	---	---	---	---	---
9	CA10124-FEB17	22-Feb-17	1.2	1131	---	---	---	---	---	---	---	---
10	CA10007-MAR17	01-Mar-17	1.2	1215	0.00035	0.00006	0.000009	0.00310	0.00008	0.003	---	---
11	CA10044-MAR17	08-Mar-17	1.2	1182	---	---	---	---	---	---	---	---
12	CA10080-MAR17	15-Mar-17	1.2	1158	---	---	---	---	---	---	---	---
13	CA10119-MAR17	22-Mar-17	1.2	1187	---	---	---	---	---	---	---	---
14	CA10154-MAR17	29-Mar-17	1.2	1152	---	---	---	---	---	---	---	---
15	CA10025-APR17	05-Apr-17	1.2	1154	0.00030	0.00011	0.000024	0.00204	0.00024	< 0.002	---	---
16	CA10063-APR17	12-Apr-17	1.2	1199	---	---	---	---	---	---	---	---
17	CA10100-APR17	19-Apr-17	1.2	1151	---	---	---	---	---	---	---	---
18	CA10137-APR17	26-Apr-17	1.2	1174	---	---	---	---	---	---	---	---
19	CA10025-MAY17	03-May-17	1.2	1154	---	---	---	---	---	---	<0.005	0.0029
20	CA10062-MAY17	10-May-17	1.2	1164	0.00030	< 0.00005	0.000043	0.00165	0.00008	0.002	<0.0005	<0.0005
21	CA10098-MAY17	17-May-17	1.2	1135	---	---	---	---	---	---	---	---
22	CA10134-MAY17	24-May-17	1.2	1216	---	---	---	---	---	---	---	---
23	CA10170-MAY17	31-May-17	1.2	1128	---	---	---	---	---	---	---	---
24	CA10023-JUN17	07-Jun-17	1.2	1159	---	---	---	---	---	---	---	---
25	CA10064-JUN17	14-Jun-17	1.2	1166	0.00026	< 0.00005	0.000012	0.00129	0.00006	0.002	---	---
26	CA10095-JUN17	21-Jun-17	1.2	1170	---	---	---	---	---	---	---	---
27	CA10126-JUN17	28-Jun-17	1.2	1168	---	---	---	---	---	---	---	---
28	---	05-Jul-17	1.2	---	---	---	---	---	---	---	---	---
29	---	12-Jul-17	1.2	---	---	---	---	---	---	---	---	---
30	---	19-Jul-17	1.2	---	---	---	---	---	---	---	---	---
31	---	26-Jul-17	1.2	---	---	---	---	---	---	---	---	---
32	CA10010-AUG17	02-Aug-17	1.2	1161	0.00031	< 0.00005	0.000007	0.00267	0.00007	0.005	---	---
33	---	09-Aug-17	1.2	---	---	---	---	---	---	---	---	---
34	---	16-Aug-17	1.2	---	---	---	---	---	---	---	---	---
35	---	23-Aug-17	1.2	---	---	---	---	---	---	---	---	---
36	---	30-Aug-17	1.2	---	---	---	---	---	---	---	---	---
37	CA10022-SEP17	06-Sep-17	1.2	957	0.00042	< 0.00005	0.000016	0.00386	0.00005	0.007	---	---
38	---	13-Sep-17	1.2	---	---	---	---	---	---	---	---	---
39	---	20-Sep-17	1.2	---	---	---	---	---	---	---	---	---
40	---	27-Sep-17	1.2	---	---	---	---	---	---	---	---	---
41	---	04-Oct-17	1.2	---	---	---	---	---	---	---	---	---
42	CA10036-OCT17	11-Oct-17	1.2	1120	0.00036	0.00007	0.000012	0.00338	0.00005	0.009	---	---
43	---	18-Oct-17	1.2	---	---	---	---	---	---	---	---	---
44	---	25-Oct-17	1.2	---	---	---	---	---	---	---	---	---
45	---	01-Nov-17	1.2	---	---	---	---	---	---	---	---	---
46	---	08-Nov-17	1.2	---	---	---	---	---	---	---	---	---
47	CA10078-NOV17	15-Nov-17	1.2	1140	0.00033	< 0.00005	0.000010	0.00341	0.00006	0.011	---	---
48	---	22-Nov-17	1.2	---	---	---	---	---	---	---	---	---
49	---	29-Nov-17	1.2	---	---	---	---	---	---	---	---	---
50	---	06-Dec-17	1.2	---	---	---	---	---	---	---	---	---
51	---	13-Dec-17	1.2	---	---	---	---	---	---	---	---	---
52	CA10216-DEC17	20-Dec-17	1.2	1081	0.00030	< 0.00005	0.000009	0.00363	0.00003	0.010	---	---
53	---	27-Dec-17	1.2	---	---	---	---	---	---	---	---	---
54	---	03-Jan-18	1.2	---	---	---	---	---	---	---	---	---
55	---	10-Jan-18	1.2	---	---	---	---	---	---	---	---	---

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: #9 Greywacke (S3N)
Weight: 12kg
Cell Type Wasterock

Analyte			Leachate Volume Added (L)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	---	17-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---
57	CA10262-JAN18	24-Jan-18	1.2	1053	7.23	< 2	25	803	440	159	< 1	0.24	< 0.00001	< 0.00005
58	---	31-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---
59	---	07-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---
60	---	14-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---
61	---	21-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---
62	CA10251-FEB18	28-Feb-18	1.2	1187	7.32	< 2	15	932	600	262	< 1	0.22	< 0.00001	< 0.00005
63	---	07-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---
64	---	14-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---
65	---	21-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---
66	---	28-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---
67	CA10017-APR18	04-Apr-18	1.2	1154	7.22	< 2	13	951	470	204	< 1	0.21	< 0.00001	< 0.00005
68	---	11-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---
69	---	18-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---
70	---	25-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---
71	---	02-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---
72	CA10094-MAY18	09-May-18	1.2	1019	7.22	< 2	9	812	410	177	< 1	0.20	< 0.00001	< 0.00005
73	---	16-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---
74	---	23-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---
75	---	30-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---
76	---	06-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---
77	CA10084-JUN18	13-Jun-18	1.2	1062	7.01	< 2	10	843	470	199	< 1	0.16	0.00002	< 0.00005
78	---	20-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---
79	---	27-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---
80	---	04-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---
81	---	11-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---
82	CA10093-JUL18	18-Jul-18	1.2	1115	6.98	< 2	11	1010	540	234	< 1	0.28	< 0.00001	< 0.00005
83	---	25-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---
84	---	01-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---
85	---	08-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---
86	---	15-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---
87	CA10221-AUG18	22-Aug-18	1.2	1152	6.46	< 2	14	1010	540	216	< 1	0.21	< 0.00001	< 0.00005
88	---	29-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---
89	---	05-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---
90	---	12-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---
91	---	19-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---
92	CA10258-SEP18	26-Sep-18	1.2	1027	6.82	< 2	9	923	470	202	< 1	0.20	< 0.00001	< 0.00005
93	---	03-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---
94	---	10-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---
95	---	17-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---
96	---	24-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---
97		31-Oct-18	1.2											
98	---	07-Nov-18	1.2											
99	---	14-Nov-18	1.2											
100	---	21-Nov-18	1.2											
101	---	28-Nov-18	1.2											
102		05-Dec-18	1.2											
103	---	12-Dec-18	1.2											
104	---	19-Dec-18	1.2											
105	---	26-Dec-18	1.2											
106	---	02-Jan-19	1.2											

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: #9 Greywacke (S3N)
Weight: 12kg
Cell Type Wasterock

Analyte			Leachate Volume Added (L)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium	Copper	Iron
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	---	17-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10262-JAN18	24-Jan-18	1.2	1053	0.009	0.0008	0.00660	< 0.000007	0.036	< 0.000007	0.000259	0.00340	< 0.00003	0.00116	0.025
58	---	31-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
59	---	07-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
60	---	14-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
61	---	21-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10251-FEB18	28-Feb-18	1.2	1187	0.008	0.0012	0.00746	< 0.000007	0.018	< 0.000007	0.000303	0.00518	< 0.00003	0.00052	0.021
63	---	07-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
64	---	14-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
65	---	21-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
66	---	28-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10017-APR18	04-Apr-18	1.2	1154	0.007	0.0007	0.00822	< 0.000007	0.010	< 0.000007	0.000406	0.005890	< 0.00003	0.00053	0.034
68	---	11-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
69	---	18-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
70	---	25-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
71	---	02-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10094-MAY18	09-May-18	1.2	1019	0.008	0.0006	0.00584	< 0.000007	0.009	< 0.000007	0.000276	0.00547	< 0.00003	0.00039	0.034
73	---	16-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
74	---	23-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
75	---	30-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
76	---	06-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10084-JUN18	13-Jun-18	1.2	1062	0.011	0.0047	0.00645	< 0.000007	0.022	< 0.000007	0.000416	0.00668	0.00004	0.00037	0.093
78	---	20-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
79	---	27-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
80	---	04-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
81	---	11-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10093-JUL18	18-Jul-18	1.2	1115	0.008	0.0009	0.00823	< 0.000007	0.013	< 0.000007	0.000459	0.00822	< 0.00003	0.00086	0.060
83	---	25-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
84	---	01-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
85	---	08-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
86	---	15-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10221-AUG18	22-Aug-18	1.2	1152	0.007	0.0006	0.00768	< 0.000007	0.010	< 0.000007	0.000431	0.00800	< 0.00003	0.00055	0.077
88	---	29-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
89	---	05-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
90	---	12-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
91	---	19-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
92	CA10258-SEP18	26-Sep-18	1.2	1027	0.006	0.0004	0.00665	< 0.000007	0.009	< 0.000007	0.000385	0.00928	0.00009	0.00097	0.052
93	---	03-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
94	---	10-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
95	---	17-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
96	---	24-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---
97		31-Oct-18	1.2												
98	---	07-Nov-18	1.2												
99	---	14-Nov-18	1.2												
100	---	21-Nov-18	1.2												
101	---	28-Nov-18	1.2												
102		05-Dec-18	1.2												
103	---	12-Dec-18	1.2												
104	---	19-Dec-18	1.2												
105	---	26-Dec-18	1.2												
106	---	02-Jan-19	1.2												

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: #9 Greywacke (S3N)
Weight: 12kg
Cell Type Wasterock

Analyte			Leachate Volume Added (L)	Leachate Volume Recovered (mL)	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	---	17-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10262-JAN18	24-Jan-18	1.2	1053	11.2	0.0090	5.16	0.813	0.0101	2.91	0.0071	0.005	0.00013	0.0006	0.00198	0.186
58	---	31-Jan-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
59	---	07-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
60	---	14-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
61	---	21-Feb-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10251-FEB18	28-Feb-18	1.2	1187	17.2	0.0048	5.98	1.37	0.00124	1.66	0.0113	< 0.003	0.00006	0.0005	0.00247	0.251
63	---	07-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
64	---	14-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
65	---	21-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
66	---	28-Mar-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10017-APR18	04-Apr-18	1.2	1154	14.9	0.0042	6.25	1.26	0.00132	2.17	0.0127	< 0.003	0.00007	0.0007	0.00211	0.230
68	---	11-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
69	---	18-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
70	---	25-Apr-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
71	---	02-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10094-MAY18	09-May-18	1.2	1019	12.4	0.0043	4.69	1.05	0.00088	1.46	0.0125	< 0.003	< 0.00001	0.0007	0.00263	0.192
73	---	16-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
74	---	23-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
75	---	30-May-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
76	---	06-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10084-JUN18	13-Jun-18	1.2	1062	10.8	0.0049	5.42	1.21	0.00108	1.69	0.0153	< 0.003	0.00034	0.0008	0.00253	0.210
78	---	20-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
79	---	27-Jun-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
80	---	04-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
81	---	11-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10093-JUL18	18-Jul-18	1.2	1115	13.4	0.0066	6.22	1.46	0.00104	1.96	0.0192	< 0.003	0.00004	0.0006	0.00287	0.272
83	---	25-Jul-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
84	---	01-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
85	---	08-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
86	---	15-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10221-AUG18	22-Aug-18	1.2	1152	12.4	0.0052	5.75	1.35	0.00106	1.72	0.0183	< 0.003	0.00014	0.0006	0.00203	0.271
88	---	29-Aug-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
89	---	05-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
90	---	12-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
91	---	19-Sep-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
92	CA10258-SEP18	26-Sep-18	1.2	1027	13.0	0.0042	5.59	1.36	0.00081	1.78	0.0216	< 0.003	< 0.00001	0.0006	0.00199	0.228
93	---	03-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
94	---	10-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
95	---	17-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
96	---	24-Oct-18	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
97		31-Oct-18	1.2													
98	---	07-Nov-18	1.2													
99	---	14-Nov-18	1.2													
100	---	21-Nov-18	1.2													
101	---	28-Nov-18	1.2													
102		05-Dec-18	1.2													
103	---	12-Dec-18	1.2													
104	---	19-Dec-18	1.2													
105	---	26-Dec-18	1.2													
106	---	02-Jan-19	1.2													

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: #9 Greywacke (S3N)
Weight: 12kg
Cell Type Wasterock

Analyte			Leachate Volume Added (L)	Leachate Volume Recovered (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc	As3+	As5+
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	---	17-Jan-18	1.2	---	---	---	---	---	---	---	---	---
57	CA10262-JAN18	24-Jan-18	1.2	1053	0.00037	0.00009	0.000030	0.00245	0.00005	0.014	---	---
58	---	31-Jan-18	1.2	---	---	---	---	---	---	---	---	---
59	---	07-Feb-18	1.2	---	---	---	---	---	---	---	---	---
60	---	14-Feb-18	1.2	---	---	---	---	---	---	---	---	---
61	---	21-Feb-18	1.2	---	---	---	---	---	---	---	---	---
62	CA10251-FEB18	28-Feb-18	1.2	1187	0.00035	< 0.00005	0.000030	0.00335	0.00003	0.020	---	---
63	---	07-Mar-18	1.2	---	---	---	---	---	---	---	---	---
64	---	14-Mar-18	1.2	---	---	---	---	---	---	---	---	---
65	---	21-Mar-18	1.2	---	---	---	---	---	---	---	---	---
66	---	28-Mar-18	1.2	---	---	---	---	---	---	---	---	---
67	CA10017-APR18	04-Apr-18	1.2	1154	0.00031	< 0.00005	0.000011	0.00326	0.00004	0.024	---	---
68	---	11-Apr-18	1.2	---	---	---	---	---	---	---	---	---
69	---	18-Apr-18	1.2	---	---	---	---	---	---	---	---	---
70	---	25-Apr-18	1.2	---	---	---	---	---	---	---	---	---
71	---	02-May-18	1.2	---	---	---	---	---	---	---	---	---
72	CA10094-MAY18	09-May-18	1.2	1019	0.00028	< 0.00005	0.000010	0.00153	0.00003	0.024	---	---
73	---	16-May-18	1.2	---	---	---	---	---	---	---	---	---
74	---	23-May-18	1.2	---	---	---	---	---	---	---	---	---
75	---	30-May-18	1.2	---	---	---	---	---	---	---	---	---
76	---	06-Jun-18	1.2	---	---	---	---	---	---	---	---	---
77	CA10084-JUN18	13-Jun-18	1.2	1062	0.00030	< 0.00005	0.000368	0.00167	0.00004	0.032	---	---
78	---	20-Jun-18	1.2	---	---	---	---	---	---	---	---	---
79	---	27-Jun-18	1.2	---	---	---	---	---	---	---	---	---
80	---	04-Jul-18	1.2	---	---	---	---	---	---	---	---	---
81	---	11-Jul-18	1.2	---	---	---	---	---	---	---	---	---
82	CA10093-JUL18	18-Jul-18	1.2	1115	0.00037	< 0.00005	< 0.000005	0.00226	0.00003	0.033	---	---
83	---	25-Jul-18	1.2	---	---	---	---	---	---	---	---	---
84	---	01-Aug-18	1.2	---	---	---	---	---	---	---	---	---
85	---	08-Aug-18	1.2	---	---	---	---	---	---	---	---	---
86	---	15-Aug-18	1.2	---	---	---	---	---	---	---	---	---
87	CA10221-AUG18	22-Aug-18	1.2	1152	0.00034	< 0.00005	0.000026	0.003084	0.00002	0.033	---	---
88	---	29-Aug-18	1.2	---	---	---	---	---	---	---	---	---
89	---	05-Sep-18	1.2	---	---	---	---	---	---	---	---	---
90	---	12-Sep-18	1.2	---	---	---	---	---	---	---	---	---
91	---	19-Sep-18	1.2	---	---	---	---	---	---	---	---	---
92	CA10258-SEP18	26-Sep-18	1.2	1027	0.00032	< 0.00005	0.000023	0.00115	0.00002	0.036	---	---
93	---	03-Oct-18	1.2	---	---	---	---	---	---	---	---	---
94	---	10-Oct-18	1.2	---	---	---	---	---	---	---	---	---
95	---	17-Oct-18	1.2	---	---	---	---	---	---	---	---	---
96	---	24-Oct-18	1.2	---	---	---	---	---	---	---	---	---
97		31-Oct-18	1.2									
98	---	07-Nov-18	1.2									
99	---	14-Nov-18	1.2									
100	---	21-Nov-18	1.2									
101	---	28-Nov-18	1.2									
102		05-Dec-18	1.2									
103	---	12-Dec-18	1.2									
104	---	19-Dec-18	1.2									
105	---	26-Dec-18	1.2									
106	---	02-Jan-19	1.2									

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #1 Ultramafic (Oa)
Weight: 40kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4000	2136	8.45	< 2	30	193	28	10.4	15	0.08	0.00003	0.000022
1	CA10024-OCT15	07-Oct-15	4000	3680	8.26	< 2	50	400	88	21.8	33	0.15	< 0.00001	0.000018
2	CA10062-OCT15	14-Oct-15	4000	3863	8.09	< 2	49	384	96	24.0	12	0.12	< 0.00001	0.000006
3	CA10094-OCT15	21-Oct-15	4000	3950	8.02	< 2	47	333	84	20.3	5	0.14	< 0.00001	0.000005
4	CA10142-OCT15	28-Oct-15	4000	3982	8.15	< 2	48	295	67	19.3	2	0.13	< 0.00001	< 0.000002
5	CA10022-NOV15	04-Nov-15	4000	4016	8.12	< 2	44	243	53	14.3	2	0.11	< 0.00001	< 0.000002
6	CA10052-NOV15	11-Nov-15	4000	4024	8.05	< 2	42	190	43	14.3	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4000	3782	8.14	< 2	45	174	31	11.6	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4000	3790	7.97	< 2	36	157	29	11.4	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4000	3742	8.00	< 2	41	152	28	11.7	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4000	4039	8.13	< 2	38	157	26	11.3	< 1	0.09	< 0.00001	0.000013
11	CA10094-DEC15	16-Dec-15	4000	3930	8.14	< 2	35	130	22	9.47	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4000	3976	8.08	< 2	36	136	22	10.2	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4000	3930	8.06	< 2	36	137	23	10.1	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4000	3936	7.96	< 2	34	136	21	9.58	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4000	4062	8.00	< 2	35	134	20	9.54	< 1	0.07	< 0.00001	< 0.000002
16	CA10103-JAN16	20-Jan-16	4000	3949	8.07	< 2	36	112	19	9.39	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4000	3973	8.00	< 2	34	116	19	9.29	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4000	3979	7.91	< 2	33	122	18	8.72	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4000	3956	8.08	< 2	33	123	19	9.30	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	776	8.06	< 2	64	236	42	19.8	< 1	0.10	< 0.00001	< 0.000002
21	CA10155-FEB16	24-Feb-16	750	728	8.13	< 2	69	280	49	25.3	< 1	0.11	< 0.00001	< 0.000002
22	CA10025-MAR16	02-Mar-16	750	737	7.51	< 2	56	345	68	27.8	< 1	0.12	< 0.00001	< 0.000002
23	CA10061-MAR16	09-Mar-16	12000 / flooded	11497	8.12	< 2	32	165	37	14.1	< 1	0.06	< 0.00001	< 0.000002
24	CA10098-MAR16	16-Mar-16	4000	4303	8.00	< 2	36	135	24	11.8	< 1	0.07	< 0.00001	0.000002
25	CA10142-MAR16	23-Mar-16	4000	4017	8.04	< 2	33	114	16	9.92	< 1	< 0.06	< 0.00001	< 0.000002
26	CA10177-MAR16	30-Mar-16	4000	3953	7.93	< 2	33	115	17	9.87	---	---	---	---
27	CA10022-APR16	06-Apr-16	4000	4023	7.93	< 2	32	113	17	9.92	---	---	---	---
28	CA10059-APR16	13-Apr-16	4000	3958	8.02	< 2	32	111	16	10.1	---	---	---	---
29	CA10101-APR16	20-Apr-16	4000	4044	7.86	< 2	32	104	13	9.73	---	---	---	---
30	CA10133-APR16	27-Apr-16	4000	4030	7.83	< 2	29	107	14	9.30	1	< 0.06	< 0.00001	0.000003
31	CA10022-MAY16	04-May-16	4000	3951	7.90	< 2	31	107	14	9.55	---	---	---	---
32	CA10059-MAY16	11-May-16	4000	3957	7.93	< 2	29	104	14	9.08	---	---	---	---
33	CA10101-MAY16	18-May-16	4000	3977	7.91	< 2	29	108	15	9.18	---	---	---	---
34	CA10136-MAY16	25-May-16	4000	4050	7.97	< 2	30	105	14	9.75	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4000	3929	8.12	< 2	31	113	15	10.3	< 1	< 0.06	< 0.00001	< 0.000002
36	CA10036-JUN16	08-Jun-16	4000	3959	7.93	< 2	31	106	14	9.79	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4000	4014	7.93	< 2	31	104	13	9.30	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4000	3925	7.95	< 2	33	114	14	10.5	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4000	4147	7.93	< 2	32	101	12	9.13	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4000	3933	7.93	< 2	28	91	11	8.68	< 1	< 0.06	< 0.00001	< 0.000002
41	CA10063-JUL16	13-Jul-16	4000	4006	7.69	< 2	27	95	10	8.54	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4000	3914	7.90	< 2	26	89	11	8.42	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4000	4071	8.19	< 2	28	95	13	9.40	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4000	3946	8.05	< 2	34	96	12	8.42	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4000	3982	7.70	< 2	29	91	11	9.04	< 1	< 0.06	< 0.00001	< 0.000002
46	CA10101-AUG16	17-Aug-16	4000	4001	7.85	< 2	30	95	11	9.06	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4000	4004	7.82	< 2	28	91	11	8.91	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4000	4003	7.87	< 2	28	85	10	8.10	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4000	3987	7.96	< 2	28	89	12	8.52	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4000	3977	7.97	< 2	29	93	11	9.27	< 1	< 0.06	< 0.00001	< 0.000002
51	CA10102-SEP16	21-Sep-16	4000	3951	7.88	< 2	28	90	10	8.61	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4000	4042	7.76	< 2	27	85	10	8.26	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4000	3967	7.92	< 2	27	86	9	8.33	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4000	3987	7.93	< 2	30	86	10	8.96	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4000	3884	7.91	< 2	37	92	10	9.61	<1	< 0.06	< 0.00001	< 0.000002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #1 Ultramafic (Oa)
Weight: 40kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4000	2136	0.013	0.267	---	---	0.0229	< 0.000007	0.0402	0.000102	0.000012	0.00131	0.00115
1	CA10024-OCT15	07-Oct-15	4000	3680	0.006	11.4	---	---	0.0486	< 0.000007	0.163	0.000016	0.000014	0.00466	0.00045
2	CA10062-OCT15	14-Oct-15	4000	3863	0.005	14.8	---	---	0.0469	< 0.000007	0.128	< 0.000007	< 0.000003	0.00260	0.00032
3	CA10094-OCT15	21-Oct-15	4000	3950	0.007	16.1	---	---	0.0344	< 0.000007	0.106	< 0.000007	< 0.000003	0.00173	0.00029
4	CA10142-OCT15	28-Oct-15	4000	3982	0.007	16.3	---	---	0.0373	< 0.000007	0.0930	< 0.000007	0.000004	0.00134	0.00033
5	CA10022-NOV15	04-Nov-15	4000	4016	0.009	13.4	---	---	0.0297	< 0.000007	0.0548	< 0.000007	< 0.000003	0.00107	0.00026
6	CA10052-NOV15	11-Nov-15	4000	4024	---	---	---	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4000	3782	---	---	---	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4000	3790	---	---	---	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4000	3742	---	---	---	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4000	4039	0.012	9.02	---	---	0.0261	0.000009	0.0316	0.000009	0.000021	0.000534	0.00024
11	CA10094-DEC15	16-Dec-15	4000	3930	---	---	---	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4000	3976	---	---	---	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4000	3930	---	---	---	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4000	3936	---	---	---	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4000	4062	0.010	6.63	---	---	0.0230	< 0.000007	0.0176	< 0.000007	< 0.000003	0.000494	0.00014
16	CA10103-JAN16	20-Jan-16	4000	3949	---	---	---	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4000	3973	---	---	---	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4000	3979	---	---	---	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4000	3956	---	---	---	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	776	0.006	12.6	---	---	0.0560	< 0.000007	0.026	< 0.000007	< 0.000003	0.000735	0.00011
21	CA10155-FEB16	24-Feb-16	750	728	0.007	15.1	---	---	0.0704	< 0.000007	0.028	< 0.000007	< 0.000003	0.00103	0.00012
22	CA10025-MAR16	02-Mar-16	750	737	0.006	18.1	---	---	0.0795	< 0.000007	0.032	< 0.000007	< 0.000003	0.00115	0.00013
23	CA10061-MAR16	09-Mar-16	12000 / flooded	11497	0.010	7.40	---	---	0.0292	0.000013	0.019	< 0.000007	0.000006	0.000796	0.00025
24	CA10098-MAR16	16-Mar-16	4000	4303	0.011	7.11	---	---	0.0264	< 0.000007	0.017	< 0.000007	< 0.000003	0.000629	0.00017
25	CA10142-MAR16	23-Mar-16	4000	4017	0.021	5.56	---	---	0.0202	< 0.000007	0.012	< 0.000007	0.000003	0.000698	0.00016
26	CA10177-MAR16	30-Mar-16	4000	3953	---	---	---	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4000	4023	---	---	---	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4000	3958	---	---	---	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4000	4044	---	---	---	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4000	4030	0.009	4.98	---	---	0.0204	< 0.000007	0.009	< 0.000007	< 0.000003	0.000620	0.00025
31	CA10022-MAY16	04-May-16	4000	3951	---	---	---	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4000	3957	---	---	---	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4000	3977	---	---	---	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4000	4050	---	---	---	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4000	3929	0.009	4.66	---	---	0.0230	< 0.000007	0.008	< 0.000007	< 0.000003	0.000681	0.00016
36	CA10036-JUN16	08-Jun-16	4000	3959	---	---	---	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4000	4014	---	---	---	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4000	3925	---	---	---	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4000	4147	---	---	---	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4000	3933	0.012	4.25	---	---	0.0184	< 0.000007	0.006	< 0.000007	< 0.000003	0.00134	0.00017
41	CA10063-JUL16	13-Jul-16	4000	4006	---	---	---	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4000	3914	---	---	---	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4000	4071	---	---	---	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4000	3946	---	---	---	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4000	3982	0.009	4.07	---	---	0.0188	< 0.000007	0.006	< 0.000007	0.000039	0.000655	0.00019
46	CA10101-AUG16	17-Aug-16	4000	4001	---	---	---	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4000	4004	---	---	---	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4000	4003	---	---	---	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4000	3987	---	---	---	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4000	3977	0.009	3.79	---	---	0.0186	< 0.000007	0.004	< 0.000007	< 0.000003	0.000679	0.00015
51	CA10102-SEP16	21-Sep-16	4000	3951	---	---	---	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4000	4042	---	---	---	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4000	3967	---	---	---	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4000	3987	---	---	---	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4000	3884	0.009	3.19	---	---	0.0193	< 0.000007	0.006	< 0.000007	< 0.000003	0.000689	0.00017

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #1 Ultramafic (Oa)
Weight: 40kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4000	2136	0.00541	0.018	21.4	0.00128	4.15	0.00875	0.00137	5.72	0.0128	0.009	0.00039	0.0075
1	CA10024-OCT15	07-Oct-15	4000	3680	0.00222	< 0.007	45.8	0.00406	11.7	0.0132	0.00364	12.8	0.0747	0.004	0.00028	0.141
2	CA10062-OCT15	14-Oct-15	4000	3863	0.00097	< 0.007	41.9	0.00402	11.5	0.0152	0.00283	9.52	0.0677	< 0.003	0.00010	0.141
3	CA10094-OCT15	21-Oct-15	4000	3950	0.00079	< 0.007	36.4	0.00427	11.3	0.0159	0.00192	7.11	0.0476	0.027	0.00003	0.129
4	CA10142-OCT15	28-Oct-15	4000	3982	0.00079	0.037	33.2	0.00438	9.09	0.0130	0.00153	4.97	0.0362	< 0.003	< 0.00001	0.142
5	CA10022-NOV15	04-Nov-15	4000	4016	0.00044	< 0.007	27.6	0.00257	8.07	0.0101	0.00331	3.54	0.0283	< 0.003	0.00001	0.127
6	CA10052-NOV15	11-Nov-15	4000	4024	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4000	3782	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4000	3790	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4000	3742	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4000	4039	0.00015	0.009	18.8	0.00289	4.74	0.00765	0.00182	1.12	0.0086	< 0.003	< 0.00001	0.0880
11	CA10094-DEC15	16-Dec-15	4000	3930	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4000	3976	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4000	3930	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4000	3936	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4000	4062	0.00010	0.008	13.8	0.00248	3.40	0.00725	0.00065	0.83	0.0056	< 0.003	< 0.00001	0.0635
16	CA10103-JAN16	20-Jan-16	4000	3949	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4000	3973	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4000	3979	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4000	3956	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	776	0.00038	< 0.007	20.5	0.00478	6.71	0.0161	0.00072	0.59	0.0089	0.003	< 0.00001	0.101
21	CA10155-FEB16	24-Feb-16	750	728	0.00064	< 0.007	27.8	0.00607	9.25	0.0212	0.00098	0.78	0.0126	0.008	< 0.00001	0.127
22	CA10025-MAR16	02-Mar-16	750	737	0.00028	< 0.007	30.5	0.00627	10.3	0.0215	0.00082	0.88	0.0150	< 0.003	< 0.00001	0.140
23	CA10061-MAR16	09-Mar-16	12000 / flooded	11497	0.00055	0.057	17.9	0.00280	4.80	0.00983	0.00047	0.79	0.0095	< 0.003	0.00005	0.0632
24	CA10098-MAR16	16-Mar-16	4000	4303	0.00018	0.011	15.2	0.00270	3.81	0.00964	0.00024	0.50	0.0059	< 0.003	0.00004	0.0571
25	CA10142-MAR16	23-Mar-16	4000	4017	0.00389	0.032	12.9	0.00226	3.33	0.00767	0.00023	0.34	0.0058	< 0.003	0.00002	0.0483
26	CA10177-MAR16	30-Mar-16	4000	3953	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4000	4023	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4000	3958	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4000	4044	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4000	4030	0.00019	0.010	10.6	0.00213	2.85	0.00745	0.00021	0.23	0.0058	< 0.003	0.00001	0.0407
31	CA10022-MAY16	04-May-16	4000	3951	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4000	3957	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4000	3977	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4000	4050	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4000	3929	0.00012	0.008	11.5	0.00203	3.02	0.00733	0.00024	0.22	0.0065	< 0.003	< 0.00001	0.0415
36	CA10036-JUN16	08-Jun-16	4000	3959	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4000	4014	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4000	3925	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4000	4147	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4000	3933	0.00027	0.010	9.61	0.00187	2.58	0.00713	0.00104	0.14	0.0057	< 0.003	0.00003	0.0303
41	CA10063-JUL16	13-Jul-16	4000	4006	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4000	3914	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4000	4071	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4000	3946	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4000	3982	0.00026	0.008	9.37	0.00193	2.55	0.00724	0.00020	0.15	0.0054	< 0.003	0.00002	0.0372
46	CA10101-AUG16	17-Aug-16	4000	4001	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4000	4004	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4000	4003	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4000	3987	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4000	3977	0.00034	0.007	8.97	0.0018	2.49	0.00699	0.00015	0.08	0.0057	< 0.003	0.00002	0.0375
51	CA10102-SEP16	21-Sep-16	4000	3951	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4000	4042	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4000	3967	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4000	3987	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4000	3884	0.00046	0.011	9.19	0.0021	2.40	0.00830	0.00019	0.33	0.0051	< 0.003	0.00002	0.0309

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #1 Ultramafic (Oa)
Weight: 40kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4000	2136	0.00084	0.116	0.0001	0.00029	0.000023	0.000012	0.0047	< 0.002
1	CA10024-OCT15	07-Oct-15	4000	3680	0.00301	0.329	< 0.00001	0.00007	0.000058	0.000156	0.0208	< 0.002
2	CA10062-OCT15	14-Oct-15	4000	3863	0.00227	0.326	0.00006	0.00009	0.000082	0.000166	0.0221	< 0.002
3	CA10094-OCT15	21-Oct-15	4000	3950	0.00120	0.263	0.00005	0.00010	0.000078	0.000168	0.0204	< 0.002
4	CA10142-OCT15	28-Oct-15	4000	3982	0.00213	0.260	< 0.00001	0.00033	0.000034	0.000165	0.0218	< 0.002
5	CA10022-NOV15	04-Nov-15	4000	4016	0.00081	0.178	0.00006	0.00008	0.000064	0.000140	0.0210	< 0.002
6	CA10052-NOV15	11-Nov-15	4000	4024	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4000	3782	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4000	3790	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4000	3742	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4000	4039	0.00075	0.118	0.00009	0.00017	0.000042	0.000098	0.0194	< 0.002
11	CA10094-DEC15	16-Dec-15	4000	3930	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4000	3976	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4000	3930	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4000	3936	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4000	4062	0.00051	0.0939	0.00003	0.00007	0.000038	0.000073	0.0142	< 0.002
16	CA10103-JAN16	20-Jan-16	4000	3949	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4000	3973	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4000	3979	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4000	3956	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	776	0.00061	0.177	0.00006	< 0.00005	0.000055	0.000216	0.0158	< 0.002
21	CA10155-FEB16	24-Feb-16	750	728	0.00074	0.223	0.00002	< 0.00005	0.000086	0.000287	0.0199	< 0.002
22	CA10025-MAR16	02-Mar-16	750	737	0.00110	0.256	0.00001	< 0.00005	0.000079	0.000197	0.0215	< 0.002
23	CA10061-MAR16	09-Mar-16	12000 / flooded	11497	0.00070	0.118	< 0.00001	0.00010	0.000077	0.000105	0.0161	0.002
24	CA10098-MAR16	16-Mar-16	4000	4303	0.00051	0.107	< 0.00001	0.00028	0.000039	0.000076	0.0145	< 0.002
25	CA10142-MAR16	23-Mar-16	4000	4017	0.00053	0.0844	0.00002	0.00013	0.000057	0.000083	0.0126	< 0.002
26	CA10177-MAR16	30-Mar-16	4000	3953	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4000	4023	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4000	3958	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4000	4044	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4000	4030	0.00047	0.0735	0.00004	0.00012	0.000034	0.000076	0.0106	< 0.002
31	CA10022-MAY16	04-May-16	4000	3951	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4000	3957	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4000	3977	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4000	4050	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4000	3929	0.00060	0.0765	0.00008	0.00010	0.000033	0.000072	0.01020	< 0.002
36	CA10036-JUN16	08-Jun-16	4000	3959	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4000	4014	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4000	3925	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4000	4147	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4000	3933	0.00051	0.0607	0.00010	0.00012	0.000028	0.000142	0.00818	< 0.002
41	CA10063-JUL16	13-Jul-16	4000	4006	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4000	3914	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4000	4071	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4000	3946	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4000	3982	0.00038	0.0586	0.00003	0.00030	0.000024	0.000049	0.00778	< 0.002
46	CA10101-AUG16	17-Aug-16	4000	4001	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4000	4004	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4000	4003	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4000	3987	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4000	3977	0.00040	0.0598	0.00007	0.00009	0.000034	0.000202	0.00732	< 0.002
51	CA10102-SEP16	21-Sep-16	4000	3951	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4000	4042	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4000	3967	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4000	3987	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4000	3884	0.00030	0.0707	< 0.00001	0.00012	0.000032	0.000061	0.00719	< 0.002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #1 Ultramafic (Oa)
Weight: 40kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4000	3976	7.94	< 2	29	94	11	9.17	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4000	3961	7.87	< 2	31	93	11	9.65	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4000	4049	7.87	< 2	29	96	11	10.0	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4000	3953	7.72	< 2	29	95	11	9.52	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4000	4000	7.76	< 2	29	85	10	9.38	< 1	0.06	< 0.00001	< 0.000002
61	CA10165-NOV16	30-Nov-16	4000	3959	7.90	< 2	28	91	11	9.59	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4000	4027	7.73	< 2	34	95	11	9.27	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4000	3881	7.89	< 2	28	91	10	8.94	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4000	4099	7.88	< 2	29	96	10	9.47	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4000	4040	8.01	< 2	30	89	10	9.53	< 1	< 0.06	< 0.00001	< 0.00005
66	CA10020-JAN17	04-Jan-17	4000	3896	7.90	< 2	27	85	10	10.5	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4000	3963	7.93	< 2	29	90	9	10.0	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4000	3971	7.67	< 2	30	92	10	9.44	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4000	4017	7.78	< 2	28	86	9	9.11	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4000	4098	7.91	< 2	28	88	10	9.32	< 1	< 0.06	< 0.00001	< 0.00005
71	CA10043-FEB17	08-Feb-17	4000	3975	7.98	< 2	29	89	9	9.14	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4000	3904	7.88	< 2	29	87	10	9.27	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4000	3962	8.08	< 2	28	85	10	8.62	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4000	3998	7.98	< 2	28	89	10	9.28	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4000	4008	7.72	< 2	30	90	9	9.25	< 1	< 0.06	< 0.00001	< 0.00005
76	CA10081-MAR17	15-Mar-17	4000	3944	7.99	< 2	27	88	10	8.61	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4000	4028	7.98	< 2	28	86	9	9.06	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4000	3918	8.11	< 2	29	86	9	9.37	---	---	---	---
79	CA10026-APR17	05-Apr-17	4000	3926	8.00	< 2	28	88	9	8.96	---	---	---	---
80	CA10064-APR17	12-Apr-17	4000	4038	7.80	< 2	27	85	9	9.43	< 1	< 0.06	< 0.00001	< 0.00005
81	CA10101-APR17	19-Apr-17	4000	3963	7.88	< 2	28	84	8	8.44	---	---	---	---
82	CA10138-APR17	26-Apr-17	4000	3969	8.09	< 2	28	88	8	9.87	---	---	---	---
83	CA10036-MAY17	03-May-17	4000	4032	8.01	< 2	30	87	9	9.78	---	---	---	---
84	CA10063-MAY17	10-May-17	4000	3981	7.87	< 2	30	86	9	9.25	---	---	---	---
85	CA10099-MAY17	17-May-17	4000	3948	7.98	< 2	27	77	8	8.31	< 1	< 0.06	0.00002	< 0.00005
86	CA10135-MAY17	24-May-17	4000	4054	7.94	< 2	27	82	9	8.47	---	---	---	---
87	CA10171-MAY17	31-May-17	4000	3898	7.84	< 2	33	85	9	9.06	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4000	4012	8.07	< 2	28	83	8	8.32	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4000	3997	8.17	< 2	35	83	8	7.36	---	---	---	---
Hold														

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #1 Ultramafic (Oa)
Weight: 40kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4000	3976	---	---	---	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4000	3961	---	---	---	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4000	4049	---	---	---	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4000	3953	---	---	---	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4000	4000	0.010	3.70	---	---	0.0204	< 0.000007	0.004	< 0.000007	< 0.000003	0.000564	0.00019
61	CA10165-NOV16	30-Nov-16	4000	3959	---	---	---	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4000	4027	---	---	---	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4000	3881	---	---	---	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4000	4099	---	---	---	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4000	4040	0.008	3.99	---	---	0.02060	< 0.000007	0.013	< 0.000007	< 0.000003	0.000656	0.00017
66	CA10020-JAN17	04-Jan-17	4000	3896	---	---	---	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4000	3963	---	---	---	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4000	3971	---	---	---	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4000	4017	---	---	---	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4000	4098	0.008	3.21	---	---	0.0202	< 0.000007	0.004	< 0.000007	< 0.000003	0.000609	0.00022
71	CA10043-FEB17	08-Feb-17	4000	3975	---	---	---	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4000	3904	---	---	---	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4000	3962	---	---	---	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4000	3998	---	---	---	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4000	4008	0.009	3.67	---	---	0.0202	< 0.000007	0.004	< 0.000007	< 0.000003	0.000585	0.00013
76	CA10081-MAR17	15-Mar-17	4000	3944	---	---	---	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4000	4028	---	---	---	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4000	3918	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4000	3926	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4000	4038	0.009	3.06	---	---	0.0189	< 0.000007	0.003	< 0.000007	< 0.000003	0.000545	0.00015
81	CA10101-APR17	19-Apr-17	4000	3963	---	---	---	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4000	3969	---	---	---	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4000	4032	---	3.51	<0.0005	2.7	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4000	3981	---	3.66	<0.0005	2.9	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4000	3948	0.008	2.80	---	---	0.0187	< 0.000007	0.002	< 0.000007	< 0.000003	0.000518	0.00021
86	CA10135-MAY17	24-May-17	4000	4054	---	---	---	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4000	3898	---	---	---	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4000	4012	---	---	---	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4000	3997	---	---	---	---	---	---	---	---	---	---	---
Hold															

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #1 Ultramafic (Oa)
Weight: 40kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4000	3976	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4000	3961	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4000	4049	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4000	3953	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4000	4000	0.00020	0.009	8.62	0.0019	2.00	0.00662	0.00014	0.07	0.0045	< 0.003	< 0.00001	0.0267
61	CA10165-NOV16	30-Nov-16	4000	3959	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4000	4027	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4000	3881	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4000	4099	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4000	4040	0.00036	< 0.007	8.18	0.0018	2.19	0.00532	0.00017	0.08	0.0048	< 0.003	< 0.00001	0.0258
66	CA10020-JAN17	04-Jan-17	4000	3896	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4000	3963	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4000	3971	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4000	4017	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4000	4098	0.00019	< 0.007	8.13	0.0017	2.08	0.00662	0.00016	0.05	0.0046	< 0.003	< 0.00001	0.0210
71	CA10043-FEB17	08-Feb-17	4000	3975	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4000	3904	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4000	3962	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4000	3998	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4000	4008	0.00021	0.007	8.00	0.0017	2.11	0.00636	0.00051	0.09	0.0049	< 0.003	0.00001	0.0227
76	CA10081-MAR17	15-Mar-17	4000	3944	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4000	4028	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4000	3918	---	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4000	3926	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4000	4038	0.00748	< 0.007	7.68	0.0017	1.93	0.00600	0.00012	0.06	0.0046	< 0.003	< 0.00001	0.0197
81	CA10101-APR17	19-Apr-17	4000	3963	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4000	3969	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4000	4032	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4000	3981	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4000	3948	0.00016	0.012	7.37	0.0017	1.83	0.00598	0.00016	0.05	0.0042	< 0.003	0.00002	0.0199
86	CA10135-MAY17	24-May-17	4000	4054	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4000	3898	---	---	---	---	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4000	4012	---	---	---	---	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4000	3997	---	---	---	---	---	---	---	---	---	---	---	---
Hold																

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: Large Column #1 Ultramafic (Oa)
Weight: 40kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4000	3976	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4000	3961	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4000	4049	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4000	3953	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4000	4000	0.00048	0.0596	0.00004	< 0.00005	0.000024	0.000053	0.00650	< 0.002
61	CA10165-NOV16	30-Nov-16	4000	3959	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4000	4027	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4000	3881	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4000	4099	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4000	4040	0.00041	0.0557	0.00005	0.00008	0.000030	0.000080	0.00747	< 0.002
66	CA10020-JAN17	04-Jan-17	4000	3896	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4000	3963	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4000	3971	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4000	4017	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4000	4098	0.00038	0.0552	0.00004	0.00014	0.000027	0.000063	0.00699	< 0.002
71	CA10043-FEB17	08-Feb-17	4000	3975	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4000	3904	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4000	3962	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4000	3998	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4000	4008	0.00038	0.0618	0.00004	0.00008	0.000019	0.000209	0.00704	< 0.002
76	CA10081-MAR17	15-Mar-17	4000	3944	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4000	4028	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4000	3918	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4000	3926	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4000	4038	0.00037	0.0510	0.00013	< 0.00005	0.000060	0.000057	0.00643	< 0.002
81	CA10101-APR17	19-Apr-17	4000	3963	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4000	3969	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4000	4032	---	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4000	3981	---	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4000	3948	0.00034	0.0486	0.00032	0.00011	0.000036	0.000042	0.00623	< 0.002
86	CA10135-MAY17	24-May-17	4000	4054	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4000	3898	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4000	4012	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4000	3997	---	---	---	---	---	---	---	---
Hold												

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #2 Ultramafic (Oa_alt)
Weight: 42.5kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4250	2073	8.50	< 2	38	207	28	8.98	15	0.10	0.00001	0.000016
1	CA10024-OCT15	07-Oct-15	4250	3978	8.25	28	69	542	90	24.3	88	0.15	< 0.00001	0.000565
2	CA10062-OCT15	14-Oct-15	4250	4193	8.12	< 2	63	468	110	25.7	22	0.13	< 0.00001	0.000036
3	CA10094-OCT15	21-Oct-15	4250	4212	8.09	< 2	60	398	93	22.5	7	0.13	< 0.00001	0.000007
4	CA10142-OCT15	28-Oct-15	4250	4232	8.09	< 2	56	324	76	18.5	1	0.12	< 0.00001	< 0.000002
5	CA10022-NOV15	04-Nov-15	4250	4249	8.19	< 2	54	286	66	15.1	< 1	0.11	< 0.00001	< 0.000002
6	CA10052-NOV15	11-Nov-15	4250	4274	8.07	< 2	49	225	55	15.1	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4250	4157	8.14	< 2	46	247	58	15.6	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4250	4176	7.99	< 2	43	240	62	16.4	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4250	4118	8.14	< 2	43	225	61	16.9	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4250	4275	8.01	< 2	41	225	56	15.9	< 1	0.08	< 0.00001	0.000005
11	CA10094-DEC15	16-Dec-15	4250	4161	8.10	< 2	38	189	49	13.6	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4250	4221	8.01	< 2	38	216	57	15.9	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4250	4168	7.93	< 2	37	213	59	15.6	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4250	4136	8.02	< 2	38	229	61	16.3	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4250	4333	7.97	< 2	37	221	62	17.0	< 1	0.07	< 0.00001	< 0.000002
16	CA10103-JAN16	20-Jan-16	4250	4186	7.98	< 2	35	187	55	16.6	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4250	4222	8.00	< 2	37	201	58	17.2	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4250	4235	7.84	< 2	34	197	54	15.2	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4250	4206	7.91	< 2	35	201	54	15.6	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	787	8.01	< 2	61	421	120	36.7	< 1	0.11	< 0.00001	< 0.000002
21	CA10155-FEB16	24-Feb-16	750	731	8.11	< 2	68	487	120	45.6	< 1	0.12	< 0.00001	< 0.000002
22	CA10025-MAR16	02-Mar-16	750	724	8.01	< 2	64	532	180	50.2	< 1	0.14	< 0.00001	< 0.000002
23	CA10061-MAR16	09-Mar-16	12000 / flooded	11721	8.09	< 2	33	211	55	18.8	< 1	0.06	< 0.00001	< 0.000002
24	CA10098-MAR16	16-Mar-16	4250	4496	7.85	< 2	40	189	48	17.5	< 1	0.08	< 0.00001	0.000003
25	CA10142-MAR16	23-Mar-16	4250	4261	7.99	< 2	34	168	39	15.9	< 1	0.06	< 0.00001	< 0.000002
26	CA10177-MAR16	30-Mar-16	4250	4210	7.87	< 2	35	161	36	13.7	---	---	---	---
27	CA10022-APR16	06-Apr-16	4250	4241	7.94	< 2	34	158	36	14.7	---	---	---	---
28	CA10059-APR16	13-Apr-16	4250	4200	7.95	< 2	34	160	35	15.1	---	---	---	---
29	CA10101-APR16	20-Apr-16	4250	4280	7.82	< 2	34	153	29	14.3	---	---	---	---
30	CA10133-APR16	27-Apr-16	4250	4266	7.87	< 2	33	162	34	14.2	< 1	< 0.06	< 0.00001	0.000016
31	CA10022-MAY16	04-May-16	4250	4102	7.93	< 2	33	146	30	14.3	---	---	---	---
32	CA10059-MAY16	11-May-16	4250	4186	8.04	< 2	34	154	32	15.2	---	---	---	---
33	CA10101-MAY16	18-May-16	4250	4201	7.88	< 2	32	153	34	13.8	---	---	---	---
34	CA10136-MAY16	25-May-16	4250	4280	8.03	< 2	32	146	32	13.9	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4250	4176	8.05	< 2	32	146	32	13.6	< 1	< 0.06	< 0.00001	< 0.000002
36	CA10036-JUN16	08-Jun-16	4250	4199	7.83	< 2	37	138	30	12.8	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4250	4260	7.88	< 2	31	131	23	11.8	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4250	4148	7.90	< 2	32	138	28	13.3	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4250	4316	7.92	< 2	33	140	29	13.4	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4250	4184	8.00	< 2	31	134	28	12.6	< 1	< 0.06	< 0.00001	< 0.000002
41	CA10063-JUL16	13-Jul-16	4250	4263	7.77	< 2	30	134	27	12.8	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4250	4135	7.88	< 2	29	132	28	13.0	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4250	4309	7.98	< 2	31	144	34	14.2	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4250	4223	8.08	< 2	33	142	32	13.0	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4250	4208	7.70	< 2	30	136	30	13.8	< 1	< 0.06	< 0.00001	< 0.000002
46	CA10101-AUG16	17-Aug-16	4250	4245	7.82	< 2	33	158	31	14.1	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4250	4248	8.05	< 2	30	140	30	13.9	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4250	4253	7.88	< 2	31	132	29	13.1	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4250	4233	7.65	< 2	31	138	28	13.7	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4250	4194	7.85	< 2	35	143	32	13.6	< 1	< 0.06	< 0.00001	< 0.000002
51	CA10102-SEP16	21-Sep-16	4250	4202	7.87	< 2	30	140	27	13.6	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4250	4269	7.89	< 2	31	133	27	13.5	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4250	4215	8.01	< 2	32	137	27	14.8	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4250	4223	7.77	< 2	32	137	29	14.0	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4250	4145	7.89	< 2	32	142	32	14.7	<1	< 0.06	< 0.00001	< 0.000002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #2 Ultramafic (Oa_alt)
Weight: 42.5kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4250	2073	0.035	0.242	---	---	0.00718	< 0.000007	0.0368	0.000068	< 0.000003	0.00025	0.00137
1	CA10024-OCT15	07-Oct-15	4250	3978	0.008	11.6	---	---	0.0228	< 0.000007	0.159	0.000105	< 0.000003	0.00298	0.00029
2	CA10062-OCT15	14-Oct-15	4250	4193	0.008	15.3	---	---	0.0225	< 0.000007	0.134	< 0.000007	0.000005	0.00288	0.00017
3	CA10094-OCT15	21-Oct-15	4250	4212	0.009	17.7	---	---	0.0157	< 0.000007	0.115	< 0.000007	0.000003	0.00251	0.00015
4	CA10142-OCT15	28-Oct-15	4250	4232	0.009	17.4	---	---	0.0160	< 0.000007	0.0768	< 0.000007	< 0.000003	0.00180	0.00015
5	CA10022-NOV15	04-Nov-15	4250	4249	0.012	14.8	---	---	0.0127	< 0.000007	0.0508	< 0.000007	< 0.000003	0.00138	0.00014
6	CA10052-NOV15	11-Nov-15	4250	4274	---	---	---	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4250	4157	---	---	---	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4250	4176	---	---	---	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4250	4118	---	---	---	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4250	4275	0.017	7.69	---	---	0.0122	0.000009	0.0348	0.000013	0.000009	0.000666	0.00015
11	CA10094-DEC15	16-Dec-15	4250	4161	---	---	---	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4250	4221	---	---	---	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4250	4168	---	---	---	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4250	4136	---	---	---	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4250	4333	0.017	5.23	---	---	0.0139	< 0.000007	0.0200	< 0.000007	< 0.000003	0.000602	0.00005
16	CA10103-JAN16	20-Jan-16	4250	4186	---	---	---	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4250	4222	---	---	---	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4250	4235	---	---	---	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4250	4206	---	---	---	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	787	0.014	9.16	---	---	0.0353	< 0.000007	0.029	< 0.000007	< 0.000003	0.00104	0.00008
21	CA10155-FEB16	24-Feb-16	750	731	0.013	10.1	---	---	0.0460	< 0.000007	0.032	< 0.000007	< 0.000003	0.00143	< 0.00003
22	CA10025-MAR16	02-Mar-16	750	724	0.012	11.6	---	---	0.0531	< 0.000007	0.038	< 0.000007	< 0.000003	0.00166	0.00003
23	CA10061-MAR16	09-Mar-16	12000 / flooded	11721	0.019	5.28	---	---	0.0145	< 0.000007	0.016	< 0.000007	< 0.000003	0.000728	0.00006
24	CA10098-MAR16	16-Mar-16	4250	4496	0.020	5.67	---	---	0.0140	< 0.000007	0.017	< 0.000007	< 0.000003	0.000535	0.00010
25	CA10142-MAR16	23-Mar-16	4250	4261	0.022	4.48	---	---	0.0115	< 0.000007	0.013	< 0.000007	< 0.000003	0.000543	0.00008
26	CA10177-MAR16	30-Mar-16	4250	4210	---	---	---	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4250	4241	---	---	---	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4250	4200	---	---	---	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4250	4280	---	---	---	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4250	4266	0.020	4.15	---	---	0.0117	< 0.000007	0.010	< 0.000007	0.000003	0.000436	0.00005
31	CA10022-MAY16	04-May-16	4250	4102	---	---	---	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4250	4186	---	---	---	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4250	4201	---	---	---	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4250	4280	---	---	---	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4250	4176	0.018	3.71	---	---	0.0111	< 0.000007	0.008	< 0.000007	< 0.000003	0.000424	0.00005
36	CA10036-JUN16	08-Jun-16	4250	4199	---	---	---	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4250	4260	---	---	---	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4250	4148	---	---	---	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4250	4316	---	---	---	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4250	4184	0.023	3.32	---	---	0.0112	< 0.000007	0.006	< 0.000007	0.000003	0.000504	0.00006
41	CA10063-JUL16	13-Jul-16	4250	4263	---	---	---	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4250	4135	---	---	---	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4250	4309	---	---	---	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4250	4223	---	---	---	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4250	4208	0.019	2.85	---	---	0.0121	< 0.000007	0.006	< 0.000007	< 0.000003	0.000405	0.00008
46	CA10101-AUG16	17-Aug-16	4250	4245	---	---	---	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4250	4248	---	---	---	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4250	4253	---	---	---	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4250	4233	---	---	---	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4250	4194	0.020	2.50	---	---	0.0127	< 0.000007	0.005	< 0.000007	< 0.000003	0.000377	0.00007
51	CA10102-SEP16	21-Sep-16	4250	4202	---	---	---	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4250	4269	---	---	---	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4250	4215	---	---	---	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4250	4223	---	---	---	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4250	4145	0.019	2.08	---	---	0.0133	< 0.000007	0.007	< 0.000007	0.000004	0.000440	0.00011

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #2 Ultramafic (Oa_alt)
Weight: 42.5kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4250	2073	0.00021	0.017	26.4	0.00219	3.25	0.00401	0.00153	8.19	0.0086	0.011	0.00008	0.0128
1	CA10024-OCT15	07-Oct-15	4250	3978	0.00083	< 0.007	61.2	0.00548	13.4	0.0225	0.00960	26.6	0.136	< 0.003	0.00011	0.252
2	CA10062-OCT15	14-Oct-15	4250	4193	0.00045	< 0.007	51.9	0.00518	12.2	0.0273	0.00774	20.2	0.112	< 0.003	0.00006	0.289
3	CA10094-OCT15	21-Oct-15	4250	4212	0.00039	< 0.007	43.0	0.00487	11.9	0.0323	0.00423	14.9	0.0880	0.049	< 0.00001	0.230
4	CA10142-OCT15	28-Oct-15	4250	4232	0.00039	0.036	35.0	0.00442	8.85	0.0234	0.00283	10.4	0.0634	< 0.003	< 0.00001	0.235
5	CA10022-NOV15	04-Nov-15	4250	4249	0.00005	< 0.007	30.7	0.00263	8.64	0.0181	0.00256	8.36	0.0486	< 0.003	< 0.00001	0.204
6	CA10052-NOV15	11-Nov-15	4250	4274	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4250	4157	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4250	4176	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4250	4118	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4250	4275	0.00017	< 0.007	25.7	0.00348	6.34	0.0161	0.00177	3.57	0.0137	< 0.003	0.00002	0.124
11	CA10094-DEC15	16-Dec-15	4250	4161	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4250	4221	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4250	4168	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4250	4136	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4250	4333	< 0.00002	< 0.007	21.9	0.00336	5.13	0.0184	0.00076	2.24	0.0113	< 0.003	< 0.00001	0.0821
16	CA10103-JAN16	20-Jan-16	4250	4186	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4250	4222	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4250	4235	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4250	4206	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	787	0.00031	< 0.007	34.6	0.00638	10.5	0.0387	0.00156	2.45	0.0203	< 0.003	< 0.00001	0.133
21	CA10155-FEB16	24-Feb-16	750	731	0.00045	< 0.007	45.4	0.00771	13.3	0.0510	0.00200	3.19	0.0286	0.003	< 0.00001	0.156
22	CA10025-MAR16	02-Mar-16	750	724	0.00026	< 0.007	50.9	0.00813	15.1	0.0550	0.00222	3.51	0.0358	< 0.003	0.00002	0.175
23	CA10061-MAR16	09-Mar-16	12000 / flooded	11721	0.00066	0.010	22.3	0.00341	5.23	0.0196	0.00071	1.54	0.0125	< 0.003	< 0.00001	0.0722
24	CA10098-MAR16	16-Mar-16	4250	4496	0.00007	< 0.007	21.5	0.00369	4.42	0.0179	0.00053	1.30	0.0083	< 0.003	0.00004	0.0717
25	CA10142-MAR16	23-Mar-16	4250	4261	0.00032	0.007	18.8	0.00309	3.78	0.0155	0.00043	0.99	0.0088	< 0.003	0.00001	0.0592
26	CA10177-MAR16	30-Mar-16	4250	4210	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4250	4241	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4250	4200	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4250	4280	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4250	4266	0.00015	< 0.007	16.3	0.00301	3.17	0.0128	0.00042	0.74	0.0075	< 0.003	0.00003	0.0453
31	CA10022-MAY16	04-May-16	4250	4102	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4250	4186	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4250	4201	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4250	4280	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4250	4176	0.00006	< 0.007	15.6	0.00276	3.06	0.0125	0.00035	0.65	0.0071	< 0.003	< 0.00001	0.0406
36	CA10036-JUN16	08-Jun-16	4250	4199	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4250	4260	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4250	4148	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4250	4316	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4250	4184	0.00010	< 0.007	14.9	0.00287	2.81	0.0123	0.00057	0.51	0.0065	< 0.003	< 0.00001	0.0335
41	CA10063-JUL16	13-Jul-16	4250	4263	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4250	4135	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4250	4309	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4250	4223	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4250	4208	0.00010	< 0.007	14.0	0.00263	2.67	0.0127	0.00032	0.46	0.0066	< 0.003	< 0.00001	0.0361
46	CA10101-AUG16	17-Aug-16	4250	4245	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4250	4248	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4250	4253	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4250	4233	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4250	4194	0.00039	< 0.007	13.8	0.0026	2.63	0.0127	0.00026	0.38	0.0064	< 0.003	0.00002	0.0389
51	CA10102-SEP16	21-Sep-16	4250	4202	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4250	4269	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4250	4215	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4250	4223	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4250	4145	0.00037	0.008	13.9	0.0031	2.58	0.0153	0.00022	0.43	0.0059	< 0.003	0.00002	0.0313

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #2 Ultramafic (Oa_alt)
Weight: 42.5kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4250	2073	0.0004	0.0609	0.00011	0.00021	0.000009	0.000019	0.00273	< 0.002
1	CA10024-OCT15	07-Oct-15	4250	3978	0.00159	0.225	0.00005	0.00009	0.000009	0.000855	0.0157	< 0.002
2	CA10062-OCT15	14-Oct-15	4250	4193	0.00294	0.219	0.00009	0.00007	0.000039	0.000859	0.0162	< 0.002
3	CA10094-OCT15	21-Oct-15	4250	4212	0.00092	0.170	0.00006	< 0.00005	0.000037	0.000744	0.0151	< 0.002
4	CA10142-OCT15	28-Oct-15	4250	4232	0.00077	0.167	< 0.00001	0.00034	< 0.000005	0.000612	0.0151	< 0.002
5	CA10022-NOV15	04-Nov-15	4250	4249	0.00081	0.121	0.00003	0.00008	0.000012	0.000547	0.0143	< 0.002
6	CA10052-NOV15	11-Nov-15	4250	4274	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4250	4157	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4250	4176	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4250	4118	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4250	4275	0.00075	0.105	0.00013	0.00011	< 0.000005	0.000362	0.0120	< 0.002
11	CA10094-DEC15	16-Dec-15	4250	4161	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4250	4221	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4250	4168	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4250	4136	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4250	4333	0.00038	0.103	< 0.00001	< 0.00005	0.000007	0.000276	0.00748	< 0.002
16	CA10103-JAN16	20-Jan-16	4250	4186	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4250	4222	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4250	4235	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4250	4206	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	787	0.00062	0.203	0.00008	< 0.00005	0.000013	0.000681	0.00746	< 0.002
21	CA10155-FEB16	24-Feb-16	750	731	0.00071	0.244	0.00008	< 0.00005	0.000022	0.000688	0.00887	< 0.002
22	CA10025-MAR16	02-Mar-16	750	724	0.00111	0.281	0.00002	< 0.00005	0.000017	0.000610	0.00953	< 0.002
23	CA10061-MAR16	09-Mar-16	12000 / flooded	11721	0.00034	0.0982	< 0.00001	< 0.00005	0.000017	0.000255	0.00776	< 0.002
24	CA10098-MAR16	16-Mar-16	4250	4496	0.00034	0.0932	< 0.00001	< 0.00005	< 0.000005	0.000295	0.00738	< 0.002
25	CA10142-MAR16	23-Mar-16	4250	4261	0.00038	0.0764	0.00024	< 0.00005	0.000012	0.000270	0.00676	< 0.002
26	CA10177-MAR16	30-Mar-16	4250	4210	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4250	4241	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4250	4200	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4250	4280	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4250	4266	0.00032	0.0697	0.00002	< 0.00005	0.000011	0.000236	0.00525	< 0.002
31	CA10022-MAY16	04-May-16	4250	4102	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4250	4186	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4250	4201	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4250	4280	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4250	4176	0.00058	0.0649	0.00006	0.00006	0.000013	0.000210	0.00451	< 0.002
36	CA10036-JUN16	08-Jun-16	4250	4199	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4250	4260	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4250	4148	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4250	4316	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4250	4184	0.00073	0.0588	< 0.00001	< 0.00005	0.000011	0.000208	0.00398	< 0.002
41	CA10063-JUL16	13-Jul-16	4250	4263	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4250	4135	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4250	4309	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4250	4223	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4250	4208	0.00022	0.0592	0.00001	0.00008	0.000009	0.000178	0.00328	< 0.002
46	CA10101-AUG16	17-Aug-16	4250	4245	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4250	4248	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4250	4253	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4250	4233	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4250	4194	0.00035	0.0594	0.00009	0.00006	0.000014	0.000283	0.00305	< 0.002
51	CA10102-SEP16	21-Sep-16	4250	4202	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4250	4269	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4250	4215	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4250	4223	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4250	4145	0.00019	0.0659	< 0.00001	0.00012	0.000015	0.000203	0.00271	< 0.002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #2 Ultramafic (Oa_alt)
Weight: 42.5kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4250	4183	7.96	< 2	32	148	33	15.4	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4250	4188	7.96	< 2	39	153	37	16.5	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4250	4264	7.96	< 2	32	156	37	16.8	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4250	4178	7.94	< 2	31	154	36	16.2	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4250	4221	7.82	< 2	32	151	36	16.4	< 1	< 0.06	< 0.00001	< 0.000002
61	CA10165-NOV16	30-Nov-16	4250	4172	7.88	< 2	30	149	36	16.5	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4250	4244	7.59	< 2	36	153	35	16.5	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4250	4103	7.83	< 2	31	150	35	14.8	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4250	4312	7.83	< 2	32	157	38	16.8	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4250	4304	7.98	< 2	33	152	36	16.4	< 1	< 0.06	< 0.00001	< 0.00005
66	CA10020-JAN17	04-Jan-17	4250	4078	8.09	< 2	31	144	35	18.0	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4250	4200	7.88	< 2	32	148	35	17.2	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4250	4190	7.90	< 2	33	153	35	16.4	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4250	4225	7.61	< 2	32	154	40	17.3	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4250	4338	7.87	< 2	30	153	37	16.8	< 1	< 0.06	< 0.00001	0.00007
71	CA10043-FEB17	08-Feb-17	4250	4164	7.86	< 2	31	152	37	16.6	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4250	4110	7.92	< 2	31	149	36	17.2	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4250	4192	7.99	< 2	31	152	38	16.4	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4250	4240	8.04	< 2	31	156	39	17.5	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4250	4220	7.69	< 2	31	156	39	17.3	< 1	< 0.06	< 0.00001	< 0.00005
76	CA10081-MAR17	15-Mar-17	4250	4173	7.92	< 2	30	156	37	16.3	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4250	4296	7.86	< 2	31	153	39	18.2	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4250	4113	8.03	< 2	31	153	37	18.3	---	---	---	---
79	CA10026-APR17	05-Apr-17	4250	4200	7.98	< 2	31	154	38	16.5	---	---	---	---
80	CA10064-APR17	12-Apr-17	4250	4272	7.79	< 2	32	152	41	17.9	< 1	< 0.06	0.00001	< 0.00005
81	CA10101-APR17	19-Apr-17	4250	4179	7.85	< 2	31	151	36	16.1	---	---	---	---
82	CA10138-APR17	26-Apr-17	4250	4165	7.97	< 2	31	156	40	17.7	---	---	---	---
83	CA10036-MAY17	03-May-17	4250	4240	7.97	< 2	32	156	36	18.4	---	---	---	---
84	CA10063-MAY17	10-May-17	4250	4223	7.90	< 2	33	156	40	17.2	---	---	---	---
85	CA10099-MAY17	17-May-17	4250	4175	7.90	< 2	30	146	39	18.0	< 1	< 0.06	0.00002	< 0.00005
86	CA10135-MAY17	24-May-17	4250	4249	7.87	< 2	31	172	43	19.2	---	---	---	---
87	CA10171-MAY17	31-May-17	4250	4034	7.86	< 2	32	154	35	15.8	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4250	4184	7.93	< 2	31	149	35	17.1	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4250	4148	7.96	< 2	37	147	36	14.7	---	---	---	---
Hold														

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #2 Ultramafic (Oa_alt)
Weight: 42.5kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4250	4183	---	---	---	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4250	4188	---	---	---	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4250	4264	---	---	---	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4250	4178	---	---	---	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4250	4221	0.018	2.23	---	---	0.0152	< 0.000007	0.004	< 0.000007	0.000004	0.000356	0.00005
61	CA10165-NOV16	30-Nov-16	4250	4172	---	---	---	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4250	4244	---	---	---	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4250	4103	---	---	---	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4250	4312	---	---	---	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4250	4304	0.019	2.13	---	---	0.0157	< 0.000007	0.014	< 0.000007	< 0.000003	0.000401	0.00008
66	CA10020-JAN17	04-Jan-17	4250	4078	---	---	---	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4250	4200	---	---	---	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4250	4190	---	---	---	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4250	4225	---	---	---	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4250	4338	0.020	1.94	---	---	0.0167	< 0.000007	0.005	< 0.000007	< 0.000003	0.000386	0.00018
71	CA10043-FEB17	08-Feb-17	4250	4164	---	---	---	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4250	4110	---	---	---	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4250	4192	---	---	---	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4250	4240	---	---	---	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4250	4220	0.021	2.10	---	---	0.0167	< 0.000007	0.010	< 0.000007	< 0.000003	0.000404	0.00007
76	CA10081-MAR17	15-Mar-17	4250	4173	---	---	---	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4250	4296	---	---	---	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4250	4113	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4250	4200	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4250	4272	0.020	1.73	---	---	0.0167	< 0.000007	0.004	< 0.000007	0.000006	0.000409	0.00014
81	CA10101-APR17	19-Apr-17	4250	4179	---	---	---	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4250	4165	---	---	---	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4250	4240	---	2.04	<0.0005	2.0	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4250	4223	---	2.02	<0.0005	1.9	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4250	4175	0.019	1.64	---	---	0.0173	< 0.000007	0.004	< 0.000007	< 0.000003	0.000393	0.00021
86	CA10135-MAY17	24-May-17	4250	4249	---	---	---	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4250	4034	---	---	---	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4250	4184	---	---	---	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4250	4148	---	---	---	---	---	---	---	---	---	---	---
Hold															

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #2 Ultramafic (Oa_alt)
Weight: 42.5kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4250	4183	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4250	4188	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4250	4264	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4250	4178	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4250	4221	0.00011	< 0.007	13.6	0.0028	2.34	0.0140	0.00022	0.31	0.0058	< 0.003	< 0.00001	0.0251
61	CA10165-NOV16	30-Nov-16	4250	4172	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4250	4244	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4250	4103	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4250	4312	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4250	4304	0.00032	< 0.007	13.1	0.0026	2.44	0.0138	0.00024	0.33	0.0068	< 0.003	0.00002	0.0231
66	CA10020-JAN17	04-Jan-17	4250	4078	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4250	4200	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4250	4190	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4250	4225	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4250	4338	0.00042	< 0.007	13.4	0.0029	2.48	0.0159	0.00025	0.29	0.0065	< 0.003	< 0.00001	0.0203
71	CA10043-FEB17	08-Feb-17	4250	4164	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4250	4110	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4250	4192	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4250	4240	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4250	4220	0.00026	< 0.007	13.2	0.0028	2.41	0.0156	0.00033	0.31	0.0075	< 0.003	0.00001	0.0208
76	CA10081-MAR17	15-Mar-17	4250	4173	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4250	4296	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4250	4113	---	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4250	4200	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4250	4272	0.00383	< 0.007	12.7	0.0027	2.39	0.0169	0.00022	0.26	0.0074	< 0.003	< 0.00001	0.0180
81	CA10101-APR17	19-Apr-17	4250	4179	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4250	4165	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4250	4240	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4250	4223	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4250	4175	0.00013	< 0.007	12.8	0.0028	2.28	0.0137	0.00022	0.24	0.0070	< 0.003	< 0.00001	0.0185
86	CA10135-MAY17	24-May-17	4250	4249	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4250	4034	---	---	---	---	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4250	4184	---	---	---	---	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4250	4148	---	---	---	---	---	---	---	---	---	---	---	---
Hold																

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #2 Ultramafic (Oa_alt)
Weight: 42.5kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4250	4183	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4250	4188	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4250	4264	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4250	4178	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4250	4221	0.00031	0.0678	0.00001	0.00011	0.000007	0.000155	0.00237	< 0.002
61	CA10165-NOV16	30-Nov-16	4250	4172	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4250	4244	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4250	4103	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4250	4312	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4250	4304	0.00034	0.0635	0.00004	< 0.00005	0.000013	0.000200	0.00261	< 0.002
66	CA10020-JAN17	04-Jan-17	4250	4078	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4250	4200	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4250	4190	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4250	4225	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4250	4338	0.00017	0.0672	0.00007	< 0.00005	0.000011	0.000862	0.00248	< 0.002
71	CA10043-FEB17	08-Feb-17	4250	4164	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4250	4110	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4250	4192	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4250	4240	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4250	4220	0.00017	0.0689	0.00005	< 0.00005	< 0.000005	0.000158	0.00244	< 0.002
76	CA10081-MAR17	15-Mar-17	4250	4173	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4250	4296	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4250	4113	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4250	4200	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4250	4272	0.00023	0.0663	0.00004	< 0.00005	0.000021	0.000244	0.00205	< 0.002
81	CA10101-APR17	19-Apr-17	4250	4179	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4250	4165	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4250	4240	---	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4250	4223	---	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4250	4175	0.00019	0.0652	0.00005	0.00007	0.000015	0.000153	0.00200	< 0.002
86	CA10135-MAY17	24-May-17	4250	4249	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4250	4034	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4250	4184	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4250	4148	---	---	---	---	---	---	---	---
Hold												

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #3 Greywacke (Inside Ore)
Weight: 45kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4500	1678	7.79	< 2	48	562	140	27.4	18	0.29	0.00002	0.000007
1	CA10024-OCT15	07-Oct-15	4500	4267	8.08	< 2	87	1430	550	70.4	34	0.58	< 0.00001	0.000018
2	CA10062-OCT15	14-Oct-15	4500	4460	7.92	< 2	73	1040	390	61.2	7	0.52	< 0.00001	0.000006
3	CA10094-OCT15	21-Oct-15	4500	4499	7.90	< 2	60	763	270	44.5	2	0.56	< 0.00001	0.000006
4	CA10142-OCT15	28-Oct-15	4500	4508	8.08	< 2	61	603	200	37.8	< 1	0.54	< 0.00001	< 0.000002
5	CA10022-NOV15	04-Nov-15	4500	4528	8.07	< 2	57	494	140	31.3	< 1	0.51	< 0.00001	< 0.000002
6	CA10052-NOV15	11-Nov-15	4500	4568	8.03	< 2	59	449	150	39.5	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4500	4464	8.02	< 2	59	674	240	67.7	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4500	4493	7.73	< 2	57	832	360	107	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4500	4517	7.87	< 2	56	869	400	129	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4500	4595	7.89	< 2	53	869	370	120	< 1	0.34	< 0.00001	0.000010
11	CA10094-DEC15	16-Dec-15	4500	4473	7.69	< 2	46	702	330	97.6	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4500	4525	7.74	< 2	48	741	330	114	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4500	4446	7.74	< 2	44	704	320	97.7	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4500	4458	7.80	< 2	46	729	320	105	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4500	4640	7.79	< 2	48	722	310	103	< 1	0.28	< 0.00001	< 0.000002
16	CA10103-JAN16	20-Jan-16	4500	4479	7.78	< 2	45	623	300	107	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4500	4512	7.83	< 2	42	658	290	112	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4500	4512	7.74	< 2	44	651	290	101	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4500	4485	7.67	< 2	43	668	270	109	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	779	7.95	< 2	66	1110	500	202	< 1	0.34	< 0.00001	< 0.000002
21	CA10155-FEB16	24-Feb-16	750	745	8.01	< 2	64	1490	680	324	< 1	0.34	< 0.00001	< 0.000002
22	CA10025-MAR16	02-Mar-16	750	755	7.88	< 2	63	1760	930	401	< 1	0.33	< 0.00001	0.000002
23	CA10061-MAR16	09-Mar-16	10000 / flooded	9820	7.77	< 2	44	939	430	194	< 1	0.29	< 0.00001	< 0.000002
24	CA10098-MAR16	16-Mar-16	4500	4752	7.75	< 2	48	672	310	128	< 1	0.28	< 0.00001	0.000002
25	CA10142-MAR16	23-Mar-16	4500	4527	7.84	< 2	46	609	260	118	< 1	0.22	< 0.00001	< 0.000002
26	CA10177-MAR16	30-Mar-16	4500	4476	7.71	< 2	47	584	240	103	---	---	---	---
27	CA10022-APR16	06-Apr-16	4500	4536	7.99	< 2	63	605	260	111	---	---	---	---
28	CA10059-APR16	13-Apr-16	4500	4482	7.77	< 2	47	611	260	115	---	---	---	---
29	CA10101-APR16	20-Apr-16	4500	4579	7.62	< 2	49	577	210	112	---	---	---	---
30	CA10133-APR16	27-Apr-16	4500	4580	7.85	< 2	45	621	250	110	< 1	0.17	< 0.00001	0.000002
31	CA10022-MAY16	04-May-16	4500	4456	7.88	< 2	44	608	270	120	---	---	---	---
32	CA10059-MAY16	11-May-16	4500	4515	7.81	< 2	34	418	160	75.8	---	---	---	---
33	CA10101-MAY16	18-May-16	4500	4512	7.84	< 2	45	531	210	91.4	---	---	---	---
34	CA10136-MAY16	25-May-16	4500	4603	7.73	< 2	47	564	240	104	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4500	4442	7.76	< 2	45	574	230	105	< 1	0.15	< 0.00001	< 0.000002
36	CA10036-JUN16	08-Jun-16	4500	4481	7.74	< 2	43	537	210	98.4	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4500	4556	7.90	< 2	42	506	180	84.9	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4500	4417	7.91	< 2	47	539	240	99.2	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4500	4668	7.82	< 2	49	532	220	99.7	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4500	4448	7.80	< 2	41	494	200	90.0	< 1	0.13	< 0.00001	< 0.000002
41	CA10063-JUL16	13-Jul-16	4500	4560	7.74	< 2	43	511	200	97.6	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4500	4410	7.67	< 2	39	474	200	88.1	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4500	4632	7.64	< 2	38	475	190	87.6	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4500	4454	7.84	< 2	43	502	210	85.5	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4500	4487	7.65	< 2	41	520	200	90.0	< 1	0.16	< 0.00001	< 0.000002
46	CA10101-AUG16	17-Aug-16	4500	4488	7.62	< 2	44	537	230	95.1	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4500	4525	7.74	< 2	46	506	210	87.5	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4500	4547	7.71	< 2	41	469	200	81.6	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4500	4498	7.58	< 2	42	487	190	86.9	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4500	4450	7.91	< 2	47	496	200	84.5	< 1	0.12	< 0.00001	< 0.000002
51	CA10102-SEP16	21-Sep-16	4500	4457	7.80	< 2	45	482	190	89.1	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4500	4612	7.58	< 2	40	436	170	81.2	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4500	4462	7.75	< 2	42	443	160	82.8	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4500	4492	7.82	< 2	44	465	140	85.9	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4500	4441	7.79	< 2	37	430	180	76.8	<1	0.10	< 0.00001	< 0.000002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #3 Greywacke (Inside Ore)
Weight: 45kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4500	1678	0.118	0.0287	---	---	0.017	< 0.000007	0.0286	0.000037	< 0.000003	0.000282	0.00006
1	CA10024-OCT15	07-Oct-15	4500	4267	0.037	0.0324	---	---	0.0465	< 0.000007	0.140	< 0.000007	0.000034	0.000993	< 0.00003
2	CA10062-OCT15	14-Oct-15	4500	4460	0.042	0.0245	---	---	0.0304	< 0.000007	0.121	< 0.000007	0.000025	0.000729	< 0.00003
3	CA10094-OCT15	21-Oct-15	4500	4499	0.054	0.0261	---	---	0.0156	< 0.000007	0.104	< 0.000007	0.000014	0.000468	< 0.00003
4	CA10142-OCT15	28-Oct-15	4500	4508	0.047	0.0289	---	---	0.0156	< 0.000007	0.0703	< 0.000007	0.000011	0.000395	0.00005
5	CA10022-NOV15	04-Nov-15	4500	4528	0.068	0.0260	---	---	0.0125	< 0.000007	0.0471	< 0.000007	0.000008	0.000299	< 0.00003
6	CA10052-NOV15	11-Nov-15	4500	4568	---	---	---	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4500	4464	---	---	---	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4500	4493	---	---	---	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4500	4517	---	---	---	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4500	4595	0.030	0.0423	---	---	0.0280	0.000011	0.0402	0.000011	0.000056	0.00150	< 0.00003
11	CA10094-DEC15	16-Dec-15	4500	4473	---	---	---	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4500	4525	---	---	---	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4500	4446	---	---	---	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4500	4458	---	---	---	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4500	4640	0.026	0.00906	---	---	0.0166	< 0.000007	0.0247	< 0.000007	0.000031	0.00106	< 0.00003
16	CA10103-JAN16	20-Jan-16	4500	4479	---	---	---	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4500	4512	---	---	---	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4500	4512	---	---	---	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4500	4485	---	---	---	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	779	0.013	0.0117	---	---	0.0268	< 0.000007	0.031	< 0.000007	0.000038	0.00109	< 0.00003
21	CA10155-FEB16	24-Feb-16	750	745	0.014	0.0119	---	---	0.0433	< 0.000007	0.038	< 0.000007	0.000056	0.00164	< 0.00003
22	CA10025-MAR16	02-Mar-16	750	755	0.012	0.0094	---	---	0.0550	< 0.000007	0.044	< 0.000007	0.000064	0.00194	< 0.00003
23	CA10061-MAR16	09-Mar-16	10000 / flooded	9820	0.021	0.0095	---	---	0.0234	< 0.000007	0.030	< 0.000007	0.000044	0.00121	< 0.00003
24	CA10098-MAR16	16-Mar-16	4500	4752	0.024	0.0107	---	---	0.0141	< 0.000007	0.026	< 0.000007	0.000035	0.000653	< 0.00003
25	CA10142-MAR16	23-Mar-16	4500	4527	0.025	0.0175	---	---	0.0124	< 0.000007	0.022	< 0.000007	0.000021	0.000688	< 0.00003
26	CA10177-MAR16	30-Mar-16	4500	4476	---	---	---	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4500	4536	---	---	---	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4500	4482	---	---	---	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4500	4579	---	---	---	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4500	4580	0.019	0.0224	---	---	0.0117	< 0.000007	0.018	< 0.000007	0.000016	0.000626	< 0.00003
31	CA10022-MAY16	04-May-16	4500	4456	---	---	---	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4500	4515	---	---	---	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4500	4512	---	---	---	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4500	4603	---	---	---	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4500	4442	0.016	0.0246	---	---	0.0105	< 0.000007	0.016	< 0.000007	0.000015	0.000476	< 0.00003
36	CA10036-JUN16	08-Jun-16	4500	4481	---	---	---	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4500	4556	---	---	---	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4500	4417	---	---	---	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4500	4668	---	---	---	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4500	4448	0.019	0.0231	---	---	0.00860	< 0.000007	0.013	< 0.000007	0.000020	0.000450	< 0.00003
41	CA10063-JUL16	13-Jul-16	4500	4560	---	---	---	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4500	4410	---	---	---	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4500	4632	---	---	---	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4500	4454	---	---	---	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4500	4487	0.015	0.0084	---	---	0.00922	< 0.000007	0.014	< 0.000007	0.000004	0.000364	< 0.00003
46	CA10101-AUG16	17-Aug-16	4500	4488	---	---	---	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4500	4525	---	---	---	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4500	4547	---	---	---	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4500	4498	---	---	---	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4500	4450	0.015	0.0068	---	---	0.00799	< 0.000007	0.014	< 0.000007	0.000006	0.000327	< 0.00003
51	CA10102-SEP16	21-Sep-16	4500	4457	---	---	---	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4500	4612	---	---	---	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4500	4462	---	---	---	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4500	4492	---	---	---	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4500	4441	0.012	0.0066	---	---	0.00697	< 0.000007	0.011	< 0.000007	0.000013	0.000298	< 0.00003

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #3 Greywacke (Inside Ore)
Weight: 45kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4500	1678	0.00106	0.033	69.2	0.0156	4.2	0.0859	0.00338	23.3	0.0051	0.012	0.00004	0.0019
1	CA10024-OCT15	07-Oct-15	4500	4267	0.00075	0.009	208	0.0149	18.9	0.178	0.0206	79.9	0.0116	< 0.003	0.00027	0.0159
2	CA10062-OCT15	14-Oct-15	4500	4460	0.00062	< 0.007	142	0.0117	15.4	0.150	0.0202	52.4	0.0073	< 0.003	0.00014	0.0097
3	CA10094-OCT15	21-Oct-15	4500	4499	0.00055	< 0.007	93.7	0.00975	12.8	0.0992	0.0155	34.4	0.0043	0.022	0.00004	0.0075
4	CA10142-OCT15	28-Oct-15	4500	4508	0.00081	0.082	68.5	0.00872	8.49	0.0742	0.0134	23.0	0.0035	< 0.003	0.00004	0.0092
5	CA10022-NOV15	04-Nov-15	4500	4528	0.00051	0.010	55.4	0.00499	7.97	0.0620	0.0102	18.4	0.0018	< 0.003	0.00003	0.0072
6	CA10052-NOV15	11-Nov-15	4500	4568	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4500	4464	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4500	4493	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4500	4517	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4500	4595	0.00054	< 0.007	56.4	0.00908	12.4	0.341	0.00578	10.9	0.0031	< 0.003	0.00004	0.0032
11	CA10094-DEC15	16-Dec-15	4500	4473	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4500	4525	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4500	4446	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4500	4458	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4500	4640	0.00033	< 0.007	32.1	0.00567	6.85	0.295	0.00446	5.33	0.0019	< 0.003	< 0.00001	0.0019
16	CA10103-JAN16	20-Jan-16	4500	4479	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4500	4512	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4500	4512	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4500	4485	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	779	0.00034	< 0.007	28.6	0.00532	9.74	0.317	0.00896	4.44	0.0029	< 0.003	< 0.00001	0.0016
21	CA10155-FEB16	24-Feb-16	750	745	0.00074	< 0.007	43.0	0.00682	16.0	0.455	0.0124	6.79	0.0044	< 0.003	0.00003	0.0018
22	CA10025-MAR16	02-Mar-16	750	755	0.00053	< 0.007	48.9	0.00697	18.3	0.493	0.0146	7.47	0.0061	< 0.003	0.00002	0.0022
23	CA10061-MAR16	09-Mar-16	10000 / flooded	9820	0.00057	< 0.007	32.4	0.00522	9.89	0.218	0.00693	4.96	0.0028	< 0.003	0.00002	0.0014
24	CA10098-MAR16	16-Mar-16	4500	4752	0.00026	< 0.007	23.2	0.00413	5.70	0.102	0.00675	3.33	0.0015	< 0.003	0.00002	0.0013
25	CA10142-MAR16	23-Mar-16	4500	4527	0.00050	< 0.007	21.3	0.00373	5.10	0.0872	0.00651	2.81	0.0016	< 0.003	0.00004	0.0011
26	CA10177-MAR16	30-Mar-16	4500	4476	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4500	4536	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4500	4482	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4500	4579	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4500	4580	0.00030	< 0.007	17.3	0.00310	4.66	0.0642	0.00564	2.26	0.0017	< 0.003	0.00001	0.0010
31	CA10022-MAY16	04-May-16	4500	4456	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4500	4515	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4500	4512	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4500	4603	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4500	4442	0.00032	< 0.007	15.4	0.00243	4.48	0.0357	0.00543	1.86	0.0015	< 0.003	< 0.00001	0.0008
36	CA10036-JUN16	08-Jun-16	4500	4481	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4500	4556	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4500	4417	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4500	4668	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4500	4448	0.00032	< 0.007	13.8	0.00226	3.87	0.0326	0.00456	1.51	0.0014	< 0.003	0.00003	0.0006
41	CA10063-JUL16	13-Jul-16	4500	4560	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4500	4410	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4500	4632	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4500	4454	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4500	4487	0.00027	< 0.007	13.0	0.00215	3.88	0.0257	0.00475	1.39	0.0015	< 0.003	< 0.00001	0.0007
46	CA10101-AUG16	17-Aug-16	4500	4488	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4500	4525	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4500	4547	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4500	4498	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4500	4450	0.00036	< 0.007	12.1	0.0018	4.03	0.0240	0.00481	1.22	0.0014	< 0.003	< 0.00001	0.0008
51	CA10102-SEP16	21-Sep-16	4500	4457	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4500	4612	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4500	4462	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4500	4492	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4500	4441	0.00098	< 0.007	10.6	0.0023	3.22	0.0228	0.00372	0.98	0.0011	< 0.003	< 0.00001	0.0007

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #3 Greywacke (Inside Ore)
Weight: 45kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10189-SEP15	30-Sep-15	4500	1678	0.00242	0.102	0.0104	0.00019	0.000022	0.00271	0.00021	< 0.002
1	CA10024-OCT15	07-Oct-15	4500	4267	0.00975	0.369	0.00449	0.00014	0.000019	0.0333	0.00049	< 0.002
2	CA10062-OCT15	14-Oct-15	4500	4460	0.00853	0.287	0.00317	0.00014	0.000040	0.0280	0.00048	< 0.002
3	CA10094-OCT15	21-Oct-15	4500	4499	0.00417	0.181	0.00238	< 0.00005	0.000039	0.0208	0.00047	< 0.002
4	CA10142-OCT15	28-Oct-15	4500	4508	0.00294	0.194	0.00262	0.00087	< 0.000005	0.0164	0.00065	< 0.002
5	CA10022-NOV15	04-Nov-15	4500	4528	0.00223	0.118	0.00270	0.00012	0.000010	0.0130	0.00056	< 0.002
6	CA10052-NOV15	11-Nov-15	4500	4568	---	---	---	---	---	---	---	---
7	CA10083-NOV15	18-Nov-15	4500	4464	---	---	---	---	---	---	---	---
8	CA10114-NOV15	25-Nov-15	4500	4493	---	---	---	---	---	---	---	---
9	CA10022-DEC15	02-Dec-15	4500	4517	---	---	---	---	---	---	---	---
10	CA10057-DEC15	09-Dec-15	4500	4595	0.00163	0.293	0.00295	< 0.00005	0.000008	0.0160	0.00027	< 0.002
11	CA10094-DEC15	16-Dec-15	4500	4473	---	---	---	---	---	---	---	---
12	CA10130-DEC15	23-Dec-15	4500	4525	---	---	---	---	---	---	---	---
13	CA10163-DEC15	30-Dec-15	4500	4446	---	---	---	---	---	---	---	---
14	CA10025-JAN16	06-Jan-16	4500	4458	---	---	---	---	---	---	---	---
15	CA10062-JAN16	13-Jan-16	4500	4640	0.00076	0.194	0.00155	< 0.00005	0.000009	0.00881	0.00015	< 0.002
16	CA10103-JAN16	20-Jan-16	4500	4479	---	---	---	---	---	---	---	---
17	CA10146-JAN16	27-Jan-16	4500	4512	---	---	---	---	---	---	---	---
18	CA10028-FEB16	03-Feb-16	4500	4512	---	---	---	---	---	---	---	---
19	CA10070-FEB16	10-Feb-16	4500	4485	---	---	---	---	---	---	---	---
20	CA10111-FEB16	17-Feb-16	750	779	0.00099	0.326	0.00322	< 0.00005	0.000011	0.0147	0.00015	< 0.002
21	CA10155-FEB16	24-Feb-16	750	745	0.00135	0.497	0.00442	< 0.00005	0.000026	0.0201	0.00013	0.002
22	CA10025-MAR16	02-Mar-16	750	755	0.00192	0.610	0.00446	< 0.00005	0.000018	0.0207	0.00011	0.003
23	CA10061-MAR16	09-Mar-16	10000 / flooded	9820	0.00084	0.285	0.00194	< 0.00005	0.000014	0.00839	0.00011	< 0.002
24	CA10098-MAR16	16-Mar-16	4500	4752	0.00084	0.200	0.00139	< 0.00005	< 0.000005	0.006522	0.00013	< 0.002
25	CA10142-MAR16	23-Mar-16	4500	4527	0.00094	0.171	0.00130	< 0.00005	0.000011	0.00570	0.00012	< 0.002
26	CA10177-MAR16	30-Mar-16	4500	4476	---	---	---	---	---	---	---	---
27	CA10022-APR16	06-Apr-16	4500	4536	---	---	---	---	---	---	---	---
28	CA10059-APR16	13-Apr-16	4500	4482	---	---	---	---	---	---	---	---
29	CA10101-APR16	20-Apr-16	4500	4579	---	---	---	---	---	---	---	---
30	CA10133-APR16	27-Apr-16	4500	4580	0.00066	0.158	0.00171	< 0.00005	0.000010	0.00445	0.00007	< 0.002
31	CA10022-MAY16	04-May-16	4500	4456	---	---	---	---	---	---	---	---
32	CA10059-MAY16	11-May-16	4500	4515	---	---	---	---	---	---	---	---
33	CA10101-MAY16	18-May-16	4500	4512	---	---	---	---	---	---	---	---
34	CA10136-MAY16	25-May-16	4500	4603	---	---	---	---	---	---	---	---
35	CA10004-JUN16	01-Jun-16	4500	4442	0.00128	0.146	0.00174	< 0.00005	0.000010	0.00377	0.00007	< 0.002
36	CA10036-JUN16	08-Jun-16	4500	4481	---	---	---	---	---	---	---	---
37	CA10067-JUN16	15-Jun-16	4500	4556	---	---	---	---	---	---	---	---
38	CA10098-JUN16	22-Jun-16	4500	4417	---	---	---	---	---	---	---	---
39	CA10136-JUN16	29-Jun-16	4500	4668	---	---	---	---	---	---	---	---
40	CA10026-JUL16	06-Jul-16	4500	4448	0.00130	0.119	0.00114	< 0.00005	0.000008	0.00235	0.00007	< 0.002
41	CA10063-JUL16	13-Jul-16	4500	4560	---	---	---	---	---	---	---	---
42	CA10100-JUL16	20-Jul-16	4500	4410	---	---	---	---	---	---	---	---
43	CA10134-JUL16	27-Jul-16	4500	4632	---	---	---	---	---	---	---	---
44	CA10031-AUG16	03-Aug-16	4500	4454	---	---	---	---	---	---	---	---
45	CA10066-AUG16	10-Aug-16	4500	4487	0.00061	0.125	0.00150	< 0.00005	0.000006	0.00228	0.00004	< 0.002
46	CA10101-AUG16	17-Aug-16	4500	4488	---	---	---	---	---	---	---	---
47	CA10137-AUG16	24-Aug-16	4500	4525	---	---	---	---	---	---	---	---
48	CA10173-AUG16	31-Aug-16	4500	4547	---	---	---	---	---	---	---	---
49	CA10026-SEP16	07-Sep-16	4500	4498	---	---	---	---	---	---	---	---
50	CA10062-SEP16	14-Sep-16	4500	4450	0.00066	0.112	0.00121	< 0.00005	0.000007	0.00229	0.00003	< 0.002
51	CA10102-SEP16	21-Sep-16	4500	4457	---	---	---	---	---	---	---	---
52	CA10137-SEP16	28-Sep-16	4500	4612	---	---	---	---	---	---	---	---
53	CA10004-OCT16	05-Oct-16	4500	4462	---	---	---	---	---	---	---	---
54	CA10060-OCT16	12-Oct-16	4500	4492	---	---	---	---	---	---	---	---
55	CA10095-OCT16	19-Oct-16	4500	4441	0.00031	0.104	0.00112	< 0.00005	0.000009	0.00171	0.00003	< 0.002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #3 Greywacke (Inside Ore)
Weight: 45kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4500	4411	7.74	< 2	40	435	180	80.6	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4500	4487	7.66	< 2	39	463	190	83.7	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4500	4523	7.62	< 2	39	452	190	84.2	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4500	4431	7.83	< 2	41	453	200	82.4	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4500	4504	7.57	< 2	42	454	210	86.3	< 1	0.09	< 0.00001	< 0.000002
61	CA10165-NOV16	30-Nov-16	4500	4469	7.66	< 2	40	465	180	85.5	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4500	4516	7.32	< 2	41	450	180	86.8	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4500	4464	7.61	< 2	39	457	160	74.6	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4500	4505	7.65	< 2	39	452	210	79.8	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4500	4605	7.77	< 2	41	440	190	84.0	< 1	0.11	< 0.00001	< 0.00005
66	CA10020-JAN17	04-Jan-17	4500	4359	7.62	< 2	38	419	190	82.4	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4500	4469	7.67	< 2	40	437	180	83.1	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4500	4480	7.67	< 2	41	436	170	77.4	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4500	4503	7.68	< 2	41	412	180	78.4	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4500	4646	7.72	< 2	40	434	170	76.7	< 1	0.10	< 0.00001	0.00005
71	CA10043-FEB17	08-Feb-17	4500	4463	7.68	< 2	39	408	160	75.2	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4500	4386	7.68	< 2	49	401	160	73.7	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4500	4451	7.75	< 2	39	421	160	70.9	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4500	4525	7.77	< 2	40	421	160	75.9	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4500	4505	7.62	< 2	38	395	160	73.3	< 1	0.09	< 0.00001	< 0.00005
76	CA10081-MAR17	15-Mar-17	4500	4444	7.76	< 2	38	402	150	67.4	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4500	4549	7.67	< 2	40	388	160	71.6	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4500	4443	7.78	< 2	38	388	150	74.0	---	---	---	---
79	CA10026-APR17	05-Apr-17	4500	4408	7.69	< 2	38	398	160	72.9	---	---	---	---
80	CA10064-APR17	12-Apr-17	4500	4595	7.63	< 2	39	388	160	75.2	< 1	0.09	< 0.00001	< 0.00005
81	CA10101-APR17	19-Apr-17	4500	4445	7.78	< 2	37	382	150	65.7	---	---	---	---
82	CA10138-APR17	26-Apr-17	4500	4492	7.78	< 2	36	375	150	67.9	---	---	---	---
83	CA10036-MAY17	03-May-17	4500	4520	7.88	< 2	40	389	130	71.1	---	---	---	---
84	CA10063-MAY17	10-May-17	4500	4521	7.80	< 2	39	378	130	61.8	---	---	---	---
85	CA10099-MAY17	17-May-17	4500	4472	7.65	< 2	41	367	130	63.4	< 1	0.08	0.00001	< 0.00005
86	CA10135-MAY17	24-May-17	4500	4537	7.71	< 2	40	400	140	74.1	---	---	---	---
87	CA10171-MAY17	31-May-17	4500	4356	7.36	< 2	37	356	130	59.7	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4500	4528	7.67	< 2	39	367	130	64.6	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4500	4488	7.76	< 2	43	370	140	53.7	---	---	---	---
Hold														

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #3 Greywacke (Inside Ore)
Weight: 45kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4500	4411	---	---	---	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4500	4487	---	---	---	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4500	4523	---	---	---	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4500	4431	---	---	---	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4500	4504	0.011	0.0069	---	---	0.00804	< 0.000007	0.014	< 0.000007	0.000021	0.000329	< 0.00003
61	CA10165-NOV16	30-Nov-16	4500	4469	---	---	---	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4500	4516	---	---	---	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4500	4464	---	---	---	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4500	4505	---	---	---	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4500	4605	0.010	0.0068	---	---	0.00796	< 0.000007	0.021	< 0.000007	0.000004	0.000351	0.00004
66	CA10020-JAN17	04-Jan-17	4500	4359	---	---	---	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4500	4469	---	---	---	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4500	4480	---	---	---	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4500	4503	---	---	---	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4500	4646	0.009	0.0036	---	---	0.00723	< 0.000007	0.016	< 0.000007	0.000003	0.000293	0.00005
71	CA10043-FEB17	08-Feb-17	4500	4463	---	---	---	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4500	4386	---	---	---	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4500	4451	---	---	---	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4500	4525	---	---	---	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4500	4505	0.011	0.0063	---	---	0.00702	< 0.000007	0.018	< 0.000007	0.000011	0.000319	0.00003
76	CA10081-MAR17	15-Mar-17	4500	4444	---	---	---	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4500	4549	---	---	---	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4500	4443	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4500	4408	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4500	4595	0.015	0.0053	---	---	0.00625	< 0.000007	0.013	< 0.000007	0.000020	0.000294	0.00004
81	CA10101-APR17	19-Apr-17	4500	4445	---	---	---	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4500	4492	---	---	---	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4500	4520	---	0.0061	0.0015	0.0060	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4500	4521	---	0.0060	<0.0005	<0.0005	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4500	4472	0.010	0.0051	---	---	0.00633	< 0.000007	0.013	< 0.000007	0.000007	0.000287	0.00020
86	CA10135-MAY17	24-May-17	4500	4537	---	---	---	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4500	4356	---	---	---	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4500	4528	---	---	---	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4500	4488	---	---	---	---	---	---	---	---	---	---	---
Hold															

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #3 Greywacke (Inside Ore)
Weight: 45kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4500	4411	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4500	4487	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4500	4523	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4500	4431	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4500	4504	0.00071	< 0.007	10.6	0.0020	3.58	0.0421	0.00343	1.00	0.0015	< 0.003	< 0.00001	0.0006
61	CA10165-NOV16	30-Nov-16	4500	4469	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4500	4516	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4500	4464	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4500	4505	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4500	4605	0.00042	< 0.007	10.2	0.0018	3.87	0.0402	0.00390	1.07	0.0016	0.007	< 0.00001	0.0005
66	CA10020-JAN17	04-Jan-17	4500	4359	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4500	4469	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4500	4480	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4500	4503	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4500	4646	0.00024	< 0.007	9.33	0.0019	3.47	0.0347	0.00373	0.93	0.0014	< 0.003	< 0.00001	0.0004
71	CA10043-FEB17	08-Feb-17	4500	4463	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4500	4386	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4500	4451	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4500	4525	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4500	4505	0.00036	< 0.007	9.16	0.0019	3.67	0.0282	0.00359	0.93	0.0018	< 0.003	0.00003	0.0005
76	CA10081-MAR17	15-Mar-17	4500	4444	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4500	4549	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4500	4443	---	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4500	4408	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4500	4595	0.00261	0.008	8.45	0.0017	3.45	0.0266	0.00351	0.79	0.0016	< 0.003	< 0.00001	0.0004
81	CA10101-APR17	19-Apr-17	4500	4445	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4500	4492	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4500	4520	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4500	4521	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4500	4472	0.00068	< 0.007	8.50	0.0017	3.35	0.0240	0.00330	0.72	0.0014	< 0.003	0.00002	0.0005
86	CA10135-MAY17	24-May-17	4500	4537	---	---	---	---	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4500	4356	---	---	---	---	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4500	4528	---	---	---	---	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4500	4488	---	---	---	---	---	---	---	---	---	---	---	---
Hold																

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #3 Greywacke (Inside Ore)
Weight: 45kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10130-OCT16	26-Oct-16	4500	4411	---	---	---	---	---	---	---	---
57	CA10022-NOV16	02-Nov-16	4500	4487	---	---	---	---	---	---	---	---
58	CA10057-NOV16	09-Nov-16	4500	4523	---	---	---	---	---	---	---	---
59	CA10091-NOV16	16-Nov-16	4500	4431	---	---	---	---	---	---	---	---
60	CA10124-NOV16	23-Nov-16	4500	4504	0.00086	0.115	0.00102	< 0.00005	< 0.000005	0.00238	0.00004	< 0.002
61	CA10165-NOV16	30-Nov-16	4500	4469	---	---	---	---	---	---	---	---
62	CA10020-DEC16	07-Dec-16	4500	4516	---	---	---	---	---	---	---	---
63	CA10051-DEC16	14-Dec-16	4500	4464	---	---	---	---	---	---	---	---
64	CA10083-DEC16	21-Dec-16	4500	4505	---	---	---	---	---	---	---	---
65	CA10114-DEC16	28-Dec-16	4500	4605	0.00116	0.108	0.00107	< 0.00005	< 0.000005	0.00163	0.00003	< 0.002
66	CA10020-JAN17	04-Jan-17	4500	4359	---	---	---	---	---	---	---	---
67	CA10052-JAN17	11-Jan-17	4500	4469	---	---	---	---	---	---	---	---
68	CA10086-JAN17	18-Jan-17	4500	4480	---	---	---	---	---	---	---	---
69	CA10122-JAN17	25-Jan-17	4500	4503	---	---	---	---	---	---	---	---
70	CA10007-FEB17	01-Feb-17	4500	4646	0.00056	0.101	0.00105	0.00006	< 0.000005	0.00157	0.00003	< 0.002
71	CA10043-FEB17	08-Feb-17	4500	4463	---	---	---	---	---	---	---	---
72	CA10088-FEB17	15-Feb-17	4500	4386	---	---	---	---	---	---	---	---
73	CA10125-FEB17	22-Feb-17	4500	4451	---	---	---	---	---	---	---	---
74	CA10008-MAR17	01-Mar-17	4500	4525	---	---	---	---	---	---	---	---
75	CA10045-MAR17	08-Mar-17	4500	4505	0.00040	0.102	0.00104	< 0.00005	< 0.000005	0.00139	0.00003	< 0.002
76	CA10081-MAR17	15-Mar-17	4500	4444	---	---	---	---	---	---	---	---
77	CA10120-MAR17	22-Mar-17	4500	4549	---	---	---	---	---	---	---	---
78	CA10155-MAR17	29-Mar-17	4500	4443	---	---	---	---	---	---	---	---
79	CA10026-APR17	05-Apr-17	4500	4408	---	---	---	---	---	---	---	---
80	CA10064-APR17	12-Apr-17	4500	4595	0.00066	0.0943	0.00094	< 0.00005	< 0.000005	0.00142	0.00003	< 0.002
81	CA10101-APR17	19-Apr-17	4500	4445	---	---	---	---	---	---	---	---
82	CA10138-APR17	26-Apr-17	4500	4492	---	---	---	---	---	---	---	---
83	CA10036-MAY17	03-May-17	4500	4520	---	---	---	---	---	---	---	---
84	CA10063-MAY17	10-May-17	4500	4521	---	---	---	---	---	---	---	---
85	CA10099-MAY17	17-May-17	4500	4472	0.00049	0.0899	0.00104	< 0.00005	0.000007	0.00126	0.00002	< 0.002
86	CA10135-MAY17	24-May-17	4500	4537	---	---	---	---	---	---	---	---
87	CA10171-MAY17	31-May-17	4500	4356	---	---	---	---	---	---	---	---
88	CA10024-JUN17	07-Jun-17	4500	4528	---	---	---	---	---	---	---	---
89	CA10069-JUN17	14-Jun-17	4500	4488	---	---	---	---	---	---	---	---
Hold												

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #5 Ultramafic (Ob)
Weight: 26.4kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10149-OCT15	28-Oct-15	2640	754	8.39	< 2	40	320	85	22.3	12	0.15	< 0.00001	0.000006
1	CA10023-NOV15	04-Nov-15	2640	2456	8.10	< 2	75	714	210	50.1	30	0.23	< 0.00001	0.000095
2	CA10053-NOV15	11-Nov-15	2640	2681	8.06	< 2	69	612	230	53.5	11	0.22	< 0.00001	< 0.000002
3	CA10084-NOV15	18-Nov-15	2640	2710	8.12	< 2	61	527	160	40.9	5	0.30	< 0.00001	0.000004
4	CA10115-NOV15	25-Nov-15	2640	2580	7.94	< 2	55	417	120	32.6	2	0.20	< 0.00001	< 0.000002
5	CA10023-DEC15	02-Dec-15	2640	2737	8.06	< 2	52	315	96	25.9	1	0.18	< 0.00001	< 0.000002
6	CA10058-DEC15	09-Dec-15	2640	2557	8.08	< 2	49	274	76	20.5	---	---	---	---
7	CA10095-DEC15	16-Dec-15	2640	2678	7.92	< 2	44	222	62	16.9	---	---	---	---
8	CA10131-DEC15	23-Dec-15	2640	2600	7.98	< 2	44	211	52	16.1	---	---	---	---
9	CA10164-DEC15	30-Dec-15	2640	2692	8.09	< 2	47	206	50	14.6	---	---	---	---
10	CA10026-JAN16	06-Jan-16	2640	2664	8.01	< 2	42	193	41	13.2	< 1	0.13	< 0.00001	< 0.000002
11	CA10063-JAN16	13-Jan-15	2640	2650	7.93	< 2	47	194	39	12.4	---	---	---	---
12	CA10104-JAN16	20-Jan-16	2640	2694	8.08	< 2	48	182	36	13.1	---	---	---	---
13	CA10147-JAN16	27-Jan-16	2640	2663	7.96	< 2	43	149	33	12.4	---	---	---	---
14	CA10029-FEB16	03-Feb-16	2640	2628	7.98	< 2	43	155	30	11.5	---	---	---	---
15	CA10071-FEB16	10-Feb-16	2640	2652	8.08	< 2	42	162	30	11.6	< 1	0.10	< 0.00001	< 0.000002
16	CA10112-FEB16	17-Feb-16	750	760	7.99	< 2	58	232	48	18.2	< 1	0.13	< 0.00001	< 0.000002
17	CA10156-FEB16	24-Feb-16	750	772	8.16	< 2	64	262	48	22.2	< 1	0.13	< 0.00001	< 0.000002
18	CA10026-MAR16	02-Mar-16	750	765	8.06	< 2	61	281	63	22.9	< 1	0.14	< 0.00001	< 0.000002
19	CA10062-MAR16	09-Mar-16	4000 / flooded	3999	8.07	< 2	36	144	26	12.2	< 1	0.07	< 0.00001	< 0.000002
20	CA10099-MAR16	16-Mar-16	2640	2750	8.06	< 2	42	147	25	12.1	< 1	0.09	< 0.00001	< 0.000002
21	CA10143-MAR16	23-Mar-16	2640	2627	7.98	< 2	40	135	21	11.5	---	---	---	---
22	CA10178-MAR16	30-Apr-16	2640	2654	8.08	< 2	39	125	18	10.0	---	---	---	---
23	CA10023-APR16	06-Apr-16	2640	2690	8.11	< 2	39	124	19	10.5	---	---	---	---
24	CA10060-APR16	13-Apr-16	2640	2610	8.08	< 2	39	128	18	10.9	---	---	---	---
25	CA10102-APR16	20-Apr-16	2640	2682	8.07	< 2	39	117	15	10.4	< 1	0.06	< 0.00001	0.000200
26	CA10134-APR16	27-Apr-16	2640	2645	8.18	< 2	38	122	18	10.0	---	---	---	---
27	CA10023-MAY16	04-May-16	2640	2653	8.14	< 2	38	121	15	10.1	---	---	---	---
28	CA10060-MAY16	11-May-16	2640	2616	8.08	< 2	37	122	17	10.3	---	---	---	---
29	CA10102-MAY16	18-May-16	2640	2661	8.14	< 2	37	122	17	10.1	---	---	---	---
30	CA10137-MAY16	25-May-16	2640	2678	8.05	< 2	33	113	16	9.84	< 1	< 0.06	< 0.00001	< 0.000002
31	CA10005-JUN16	01-Jun-16	2640	2641	8.11	< 2	36	115	16	10.2	---	---	---	---
32	CA10037-JUN16	08-Jun-16	2640	2598	8.01	< 2	34	112	14	9.59	---	---	---	---
33	CA10068-JUN16	15-Jun-16	2640	2689	8.02	< 2	33	107	13	9.26	---	---	---	---
34	CA10099-JUN16	22-Jun-16	2640	2620	8.32	< 2	38	101	13	9.97	---	---	---	---
35	CA10137-JUN16	29-Jun-16	2640	2707	7.99	< 2	37	111	13	9.68	< 1	< 0.06	< 0.00001	< 0.000002
36	CA10027-JUL16	06-Jul-16	2640	2609	8.22	< 2	33	102	13	9.08	---	---	---	---
37	CA10064-JUL16	13-Jul-16	2640	2650	8.10	< 2	34	105	12	9.18	---	---	---	---
38	CA10101-JUL16	20-Jul-16	2640	2501	7.98	< 2	32	102	13	9.13	---	---	---	---
39	CA10135-JUL16	27-Jul-16	2640	2742	8.02	< 2	32	106	14	9.47	---	---	---	---
40	CA10032-AUG16	03-Aug-16	2640	2655	8.09	< 2	38	108	13	8.74	1	< 0.06	< 0.00001	< 0.000002
41	CA10067-AUG16	10-Aug-16	2640	2634	7.87	< 2	33	107	12	9.86	---	---	---	---
42	CA10102-AUG16	17-Aug-16	2640	2672	7.80	< 2	33	103	12	8.78	---	---	---	---
43	CA10138-AUG16	24-Aug-16	2640	2631	7.91	< 2	36	111	13	9.91	---	---	---	---
44	CA10174-AUG16	31-Aug-16	2640	2665	7.99	< 2	33	104	13	9.21	---	---	---	---
45	CA10027-SEP16	07-Sep-16	2640	2637	7.80	< 2	33	101	12	8.99	< 1	a	< 0.00001	0.000014
46	CA10063-SEP16	14-Sep-16	2640	2613	7.98	< 2	32	98	12	8.22	---	---	---	---
47	CA10103-SEP16	21-Sep-16	2640	2591	7.98	< 2	43	109	13	9.80	---	---	---	---
48	CA10138-SEP16	28-Sep-16	2640	2688	8.06	< 2	34	101	12	8.93	---	---	---	---
49	CA10005-OCT16	05-Oct-16	2640	2633	8.07	< 2	34	104	12	9.29	---	---	---	---
50	CA10061-OCT16	12-Oct-16	2640	2679	7.84	< 2	35	99	12	9.17	< 1	< 0.06	< 0.00001	0.000002
51	CA10096-OCT16	19-Oct-16	2640	2474	7.98	< 2	33	104		9.54	---	---	---	---
52	CA10131-OCT16	26-Oct-16	2640	2631	8.09	< 2	37	114	13	10.0	---	---	---	---
53	CA10023-NOV16	02-Nov-16	2640	2510	7.92	< 2	36	106	12	10.1	---	---	---	---
54	CA10058-NOV16	09-Nov-16	2640	2802	7.99	< 2	36	112	14	10.7	---	---	---	---
55	CA10092-NOV16	16-Nov-16	2640	2578	7.91	< 2	35	111	13	10.3	< 1	< 0.06	< 0.00001	0.000003

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #5 Ultramafic (Ob)
Weight: 26.4kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10149-OCT15	28-Oct-15	2640	754	0.024	0.069	---	---	0.0904	< 0.000007	0.0225	< 0.000007	< 0.000003	0.000223	0.00046
1	CA10023-NOV15	04-Nov-15	2640	2456	0.016	0.676	---	---	0.0879	< 0.000007	0.0541	0.000023	0.000011	0.00188	0.00015
2	CA10053-NOV15	11-Nov-15	2640	2681	0.020	1.06	---	---	0.0526	< 0.000007	0.0508	0.000008	0.000021	0.00245	0.00011
3	CA10084-NOV15	18-Nov-15	2640	2710	0.023	1.52	---	---	0.0405	< 0.000007	0.0493	0.000008	0.000010	0.00183	0.00012
4	CA10115-NOV15	25-Nov-15	2640	2580	0.029	2.08	---	---	0.0432	< 0.000007	0.0391	< 0.000007	0.000003	0.00150	0.00013
5	CA10023-DEC15	02-Dec-15	2640	2737	0.036	2.09	---	---	0.0398	< 0.000007	0.0328	< 0.000007	0.000008	0.00119	0.00015
6	CA10058-DEC15	09-Dec-15	2640	2557	---	---	---	---	---	---	---	---	---	---	---
7	CA10095-DEC15	16-Dec-15	2640	2678	---	---	---	---	---	---	---	---	---	---	---
8	CA10131-DEC15	23-Dec-15	2640	2600	---	---	---	---	---	---	---	---	---	---	---
9	CA10164-DEC15	30-Dec-15	2640	2692	---	---	---	---	---	---	---	---	---	---	---
10	CA10026-JAN16	06-Jan-16	2640	2664	0.039	1.84	---	---	0.0348	< 0.000007	0.0114	< 0.000007	< 0.000003	0.000543	0.00019
11	CA10063-JAN16	13-Jan-15	2640	2650	---	---	---	---	---	---	---	---	---	---	---
12	CA10104-JAN16	20-Jan-16	2640	2694	---	---	---	---	---	---	---	---	---	---	---
13	CA10147-JAN16	27-Jan-16	2640	2663	---	---	---	---	---	---	---	---	---	---	---
14	CA10029-FEB16	03-Feb-16	2640	2628	---	---	---	---	---	---	---	---	---	---	---
15	CA10071-FEB16	10-Feb-16	2640	2652	0.042	1.99	---	---	0.0354	< 0.000007	0.009	< 0.000007	< 0.000003	0.000424	0.00012
16	CA10112-FEB16	17-Feb-16	750	760	0.025	2.87	---	---	0.0659	< 0.000007	0.014	< 0.000007	0.000006	0.000762	0.00014
17	CA10156-FEB16	24-Feb-16	750	772	0.028	3.04	---	---	0.0748	< 0.000007	0.012	< 0.000007	< 0.000003	0.000944	0.00015
18	CA10026-MAR16	02-Mar-16	750	765	0.028	3.33	---	---	0.0820	< 0.000007	0.013	< 0.000007	0.000005	0.000997	0.00015
19	CA10062-MAR16	09-Mar-16	4000 / flooded	3999	0.048	2.23	---	---	0.0359	< 0.000007	0.008	< 0.000007	0.000003	0.000498	0.00030
20	CA10099-MAR16	16-Mar-16	2640	2750	0.047	2.31	---	---	0.0366	< 0.000007	0.010	< 0.000007	< 0.000003	0.000444	0.00018
21	CA10143-MAR16	23-Mar-16	2640	2627	---	---	---	---	---	---	---	---	---	---	---
22	CA10178-MAR16	30-Apr-16	2640	2654	---	---	---	---	---	---	---	---	---	---	---
23	CA10023-APR16	06-Apr-16	2640	2690	---	---	---	---	---	---	---	---	---	---	---
24	CA10060-APR16	13-Apr-16	2640	2610	---	---	---	---	---	---	---	---	---	---	---
25	CA10102-APR16	20-Apr-16	2640	2682	0.051	1.91	---	---	0.0363	< 0.000007	0.006	< 0.000007	0.000011	0.000386	0.00018
26	CA10134-APR16	27-Apr-16	2640	2645	---	---	---	---	---	---	---	---	---	---	---
27	CA10023-MAY16	04-May-16	2640	2653	---	---	---	---	---	---	---	---	---	---	---
28	CA10060-MAY16	11-May-16	2640	2616	---	---	---	---	---	---	---	---	---	---	---
29	CA10102-MAY16	18-May-16	2640	2661	---	---	---	---	---	---	---	---	---	---	---
30	CA10137-MAY16	25-May-16	2640	2678	0.052	1.59	---	---	0.0354	< 0.000007	0.007	< 0.000007	< 0.000003	0.000389	0.00025
31	CA10005-JUN16	01-Jun-16	2640	2641	---	---	---	---	---	---	---	---	---	---	---
32	CA10037-JUN16	08-Jun-16	2640	2598	---	---	---	---	---	---	---	---	---	---	---
33	CA10068-JUN16	15-Jun-16	2640	2689	---	---	---	---	---	---	---	---	---	---	---
34	CA10099-JUN16	22-Jun-16	2640	2620	---	---	---	---	---	---	---	---	---	---	---
35	CA10137-JUN16	29-Jun-16	2640	2707	0.050	1.58	---	---	0.0331	< 0.000007	0.002	< 0.000007	0.000005	0.000343	0.00014
36	CA10027-JUL16	06-Jul-16	2640	2609	---	---	---	---	---	---	---	---	---	---	---
37	CA10064-JUL16	13-Jul-16	2640	2650	---	---	---	---	---	---	---	---	---	---	---
38	CA10101-JUL16	20-Jul-16	2640	2501	---	---	---	---	---	---	---	---	---	---	---
39	CA10135-JUL16	27-Jul-16	2640	2742	---	---	---	---	---	---	---	---	---	---	---
40	CA10032-AUG16	03-Aug-16	2640	2655	0.052	1.49	---	---	0.0314	< 0.000007	0.004	< 0.000007	< 0.000003	0.000343	0.00014
41	CA10067-AUG16	10-Aug-16	2640	2634	---	---	---	---	---	---	---	---	---	---	---
42	CA10102-AUG16	17-Aug-16	2640	2672	---	---	---	---	---	---	---	---	---	---	---
43	CA10138-AUG16	24-Aug-16	2640	2631	---	---	---	---	---	---	---	---	---	---	---
44	CA10174-AUG16	31-Aug-16	2640	2665	---	---	---	---	---	---	---	---	---	---	---
45	CA10027-SEP16	07-Sep-16	2640	2637	0.049	1.09	---	---	0.0315	0.000007	0.005	< 0.000007	0.000004	0.000316	0.00014
46	CA10063-SEP16	14-Sep-16	2640	2613	---	---	---	---	---	---	---	---	---	---	---
47	CA10103-SEP16	21-Sep-16	2640	2591	---	---	---	---	---	---	---	---	---	---	---
48	CA10138-SEP16	28-Sep-16	2640	2688	---	---	---	---	---	---	---	---	---	---	---
49	CA10005-OCT16	05-Oct-16	2640	2633	---	---	---	---	---	---	---	---	---	---	---
50	CA10061-OCT16	12-Oct-16	2640	2679	0.052	1.03	---	---	0.0306	< 0.000007	0.003	< 0.000007	< 0.000003	0.000305	0.00015
51	CA10096-OCT16	19-Oct-16	2640	2474	---	---	---	---	---	---	---	---	---	---	---
52	CA10131-OCT16	26-Oct-16	2640	2631	---	---	---	---	---	---	---	---	---	---	---
53	CA10023-NOV16	02-Nov-16	2640	2510	---	---	---	---	---	---	---	---	---	---	---
54	CA10058-NOV16	09-Nov-16	2640	2802	---	---	---	---	---	---	---	---	---	---	---
55	CA10092-NOV16	16-Nov-16	2640	2578	0.049	1.33	---	---	0.0351	< 0.000007	< 0.002	< 0.000007	0.000006	0.000356	0.00022

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #5 Ultramafic (Ob)
Weight: 26.4kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10149-OCT15	28-Oct-15	2640	754	0.00086	0.07	33.7	0.00518	7.9	0.0114	0.00704	5.82	0.0042	0.005	0.00013	0.0046
1	CA10023-NOV15	04-Nov-15	2640	2456	0.00083	< 0.007	66.0	0.00997	25.1	0.0507	0.0236	13.7	0.0356	< 0.003	0.00035	0.0137
2	CA10053-NOV15	11-Nov-15	2640	2681	0.00052	< 0.007	62.1	0.0147	22.4	0.0673	0.0181	10.2	0.0341	0.005	0.00016	0.0146
3	CA10084-NOV15	18-Nov-15	2640	2710	0.00050	< 0.007	48.4	0.0141	17.0	0.0494	0.0170	6.83	0.0236	0.006	0.00006	0.0160
4	CA10115-NOV15	25-Nov-15	2640	2580	0.00054	< 0.007	41.6	0.0112	12.9	0.0373	0.0131	4.62	0.0167	< 0.003	0.00004	0.0143
5	CA10023-DEC15	02-Dec-15	2640	2737	0.00050	< 0.007	36.9	0.0102	10.7	0.0315	0.00820	3.54	0.0110	< 0.003	0.00007	0.0136
6	CA10058-DEC15	09-Dec-15	2640	2557	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10095-DEC15	16-Dec-15	2640	2678	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10131-DEC15	23-Dec-15	2640	2600	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10164-DEC15	30-Dec-15	2640	2692	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10026-JAN16	06-Jan-16	2640	2664	0.00012	< 0.007	19.4	0.00598	4.79	0.0155	0.00283	0.90	0.0031	< 0.003	< 0.00001	0.0079
11	CA10063-JAN16	13-Jan-15	2640	2650	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10104-JAN16	20-Jan-16	2640	2694	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10147-JAN16	27-Jan-16	2640	2663	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10029-FEB16	03-Feb-16	2640	2628	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10071-FEB16	10-Feb-16	2640	2652	0.00027	< 0.007	17.0	0.00502	4.07	0.0131	0.00185	0.51	0.0018	< 0.003	0.00001	0.0072
16	CA10112-FEB16	17-Feb-16	750	760	0.00036	< 0.007	21.9	0.00706	6.43	0.0202	0.00321	0.71	0.0034	0.004	0.00002	0.0098
17	CA10156-FEB16	24-Feb-16	750	772	0.00046	< 0.007	26.7	0.00794	7.95	0.0249	0.00380	0.84	0.0040	< 0.003	0.00001	0.0114
18	CA10026-MAR16	02-Mar-16	750	765	0.00028	< 0.007	28.3	0.00820	8.69	0.0258	0.00478	0.91	0.0046	< 0.003	0.00003	0.0116
19	CA10062-MAR16	09-Mar-16	4000 / flooded	3999	0.00025	0.014	17.2	0.00486	4.14	0.0124	0.00188	0.43	0.0023	0.004	0.00004	0.0063
20	CA10099-MAR16	16-Mar-16	2640	2750	0.00010	0.008	17.4	0.00485	3.83	0.0124	0.00168	0.41	0.0017	< 0.003	0.00002	0.0067
21	CA10143-MAR16	23-Mar-16	2640	2627	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10178-MAR16	30-Apr-16	2640	2654	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10023-APR16	06-Apr-16	2640	2690	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10060-APR16	13-Apr-16	2640	2610	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10102-APR16	20-Apr-16	2640	2682	0.00015	0.008	14.5	0.00393	3.41	0.0109	0.00126	0.30	0.0013	< 0.003	0.00002	0.0053
26	CA10134-APR16	27-Apr-16	2640	2645	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10023-MAY16	04-May-16	2640	2653	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10060-MAY16	11-May-16	2640	2616	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10102-MAY16	18-May-16	2640	2661	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10137-MAY16	25-May-16	2640	2678	0.00008	0.014	13.4	0.00326	2.76	0.00949	0.00102	0.25	0.0011	< 0.003	0.00001	0.0043
31	CA10005-JUN16	01-Jun-16	2640	2641	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10037-JUN16	08-Jun-16	2640	2598	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10068-JUN16	15-Jun-16	2640	2689	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10099-JUN16	22-Jun-16	2640	2620	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10137-JUN16	29-Jun-16	2640	2707	0.00008	< 0.007	13.2	0.00340	2.89	0.00921	0.00089	0.19	0.0010	< 0.003	< 0.00001	0.0043
36	CA10027-JUL16	06-Jul-16	2640	2609	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10064-JUL16	13-Jul-16	2640	2650	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10101-JUL16	20-Jul-16	2640	2501	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10135-JUL16	27-Jul-16	2640	2742	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10032-AUG16	03-Aug-16	2640	2655	0.00009	< 0.007	13.2	0.00347	2.97	0.00951	0.00107	0.19	0.0009	< 0.003	0.00002	0.0049
41	CA10067-AUG16	10-Aug-16	2640	2634	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10102-AUG16	17-Aug-16	2640	2672	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10138-AUG16	24-Aug-16	2640	2631	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10174-AUG16	31-Aug-16	2640	2665	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10027-SEP16	07-Sep-16	2640	2637	0.00013	0.008	12.3	0.0034	2.69	0.00780	0.00087	0.14	0.0008	0.020	0.00002	0.0040
46	CA10063-SEP16	14-Sep-16	2640	2613	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10103-SEP16	21-Sep-16	2640	2591	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10138-SEP16	28-Sep-16	2640	2688	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10005-OCT16	05-Oct-16	2640	2633	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10061-OCT16	12-Oct-16	2640	2679	0.00012	< 0.007	11.0	0.0030	2.59	0.00651	0.00085	0.15	0.0008	0.007	0.00001	0.0032
51	CA10096-OCT16	19-Oct-16	2640	2474	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10131-OCT16	26-Oct-16	2640	2631	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10023-NOV16	02-Nov-16	2640	2510	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10058-NOV16	09-Nov-16	2640	2802	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10092-NOV16	16-Nov-16	2640	2578	0.00019	0.009	11.6	0.0031	2.62	0.00691	0.00085	0.16	0.0010	0.006	< 0.00001	0.0032

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #5 Ultramafic (Ob)
Weight: 26.4kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10149-OCT15	28-Oct-15	2640	754	0.00227	0.185	0.00252	0.00046	0.000033	0.000568	0.00316	< 0.002
1	CA10023-NOV15	04-Nov-15	2640	2456	0.00470	0.370	0.00051	0.00006	0.000104	0.00997	0.00668	< 0.002
2	CA10053-NOV15	11-Nov-15	2640	2681	0.00399	0.383	0.00030	0.00006	0.000115	0.0130	0.00882	< 0.002
3	CA10084-NOV15	18-Nov-15	2640	2710	0.00279	0.261	0.00030	0.00018	0.000104	0.00859	0.0110	< 0.002
4	CA10115-NOV15	25-Nov-15	2640	2580	0.00191	0.219	0.00024	0.00009	0.000098	0.00588	0.0141	< 0.002
5	CA10023-DEC15	02-Dec-15	2640	2737	0.00250	0.180	0.00033	0.00012	0.000087	0.00441	0.0143	< 0.002
6	CA10058-DEC15	09-Dec-15	2640	2557	---	---	---	---	---	---	---	---
7	CA10095-DEC15	16-Dec-15	2640	2678	---	---	---	---	---	---	---	---
8	CA10131-DEC15	23-Dec-15	2640	2600	---	---	---	---	---	---	---	---
9	CA10164-DEC15	30-Dec-15	2640	2692	---	---	---	---	---	---	---	---
10	CA10026-JAN16	06-Jan-16	2640	2664	0.00093	0.0924	0.00003	0.00025	0.000022	0.00239	0.0120	< 0.002
11	CA10063-JAN16	13-Jan-15	2640	2650	---	---	---	---	---	---	---	---
12	CA10104-JAN16	20-Jan-16	2640	2694	---	---	---	---	---	---	---	---
13	CA10147-JAN16	27-Jan-16	2640	2663	---	---	---	---	---	---	---	---
14	CA10029-FEB16	03-Feb-16	2640	2628	---	---	---	---	---	---	---	---
15	CA10071-FEB16	10-Feb-16	2640	2652	0.00106	0.0805	0.00038	0.00023	0.000041	0.00220	0.0114	< 0.002
16	CA10112-FEB16	17-Feb-16	750	760	0.00124	0.127	0.00011	< 0.00005	0.000049	0.00463	0.0115	< 0.002
17	CA10156-FEB16	24-Feb-16	750	772	0.00197	0.144	0.00008	0.00028	0.000069	0.00584	0.0128	< 0.002
18	CA10026-MAR16	02-Mar-16	750	765	0.00159	0.156	0.00007	0.00012	0.000061	0.00617	0.0132	< 0.002
19	CA10062-MAR16	09-Mar-16	4000 / flooded	3999	0.00085	0.0795	0.00002	0.00064	0.000042	0.00220	0.0119	< 0.002
20	CA10099-MAR16	16-Mar-16	2640	2750	0.00088	0.0832	< 0.00001	0.00025	0.000035	0.00232	0.0114	< 0.002
21	CA10143-MAR16	23-Mar-16	2640	2627	---	---	---	---	---	---	---	---
22	CA10178-MAR16	30-Apr-16	2640	2654	---	---	---	---	---	---	---	---
23	CA10023-APR16	06-Apr-16	2640	2690	---	---	---	---	---	---	---	---
24	CA10060-APR16	13-Apr-16	2640	2610	---	---	---	---	---	---	---	---
25	CA10102-APR16	20-Apr-16	2640	2682	0.00105	0.0732	0.00003	0.00043	0.000040	0.00182	0.00986	< 0.002
26	CA10134-APR16	27-Apr-16	2640	2645	---	---	---	---	---	---	---	---
27	CA10023-MAY16	04-May-16	2640	2653	---	---	---	---	---	---	---	---
28	CA10060-MAY16	11-May-16	2640	2616	---	---	---	---	---	---	---	---
29	CA10102-MAY16	18-May-16	2640	2661	---	---	---	---	---	---	---	---
30	CA10137-MAY16	25-May-16	2640	2678	0.00067	0.0666	0.00006	0.00074	0.000036	0.00161	0.00805	< 0.002
31	CA10005-JUN16	01-Jun-16	2640	2641	---	---	---	---	---	---	---	---
32	CA10037-JUN16	08-Jun-16	2640	2598	---	---	---	---	---	---	---	---
33	CA10068-JUN16	15-Jun-16	2640	2689	---	---	---	---	---	---	---	---
34	CA10099-JUN16	22-Jun-16	2640	2620	---	---	---	---	---	---	---	---
35	CA10137-JUN16	29-Jun-16	2640	2707	0.00090	0.0641	0.00006	0.00026	0.000035	0.00145	0.00723	< 0.002
36	CA10027-JUL16	06-Jul-16	2640	2609	---	---	---	---	---	---	---	---
37	CA10064-JUL16	13-Jul-16	2640	2650	---	---	---	---	---	---	---	---
38	CA10101-JUL16	20-Jul-16	2640	2501	---	---	---	---	---	---	---	---
39	CA10135-JUL16	27-Jul-16	2640	2742	---	---	---	---	---	---	---	---
40	CA10032-AUG16	03-Aug-16	2640	2655	0.00078	0.0638	< 0.00001	0.00009	0.000030	0.00105	0.00739	< 0.002
41	CA10067-AUG16	10-Aug-16	2640	2634	---	---	---	---	---	---	---	---
42	CA10102-AUG16	17-Aug-16	2640	2672	---	---	---	---	---	---	---	---
43	CA10138-AUG16	24-Aug-16	2640	2631	---	---	---	---	---	---	---	---
44	CA10174-AUG16	31-Aug-16	2640	2665	---	---	---	---	---	---	---	---
45	CA10027-SEP16	07-Sep-16	2640	2637	0.00050	0.0595	0.00016	0.00031	0.000043	0.00127	0.00641	< 0.002
46	CA10063-SEP16	14-Sep-16	2640	2613	---	---	---	---	---	---	---	---
47	CA10103-SEP16	21-Sep-16	2640	2591	---	---	---	---	---	---	---	---
48	CA10138-SEP16	28-Sep-16	2640	2688	---	---	---	---	---	---	---	---
49	CA10005-OCT16	05-Oct-16	2640	2633	---	---	---	---	---	---	---	---
50	CA10061-OCT16	12-Oct-16	2640	2679	0.00047	0.0590	< 0.00001	0.00032	0.000037	0.00125	0.00576	< 0.002
51	CA10096-OCT16	19-Oct-16	2640	2474	---	---	---	---	---	---	---	---
52	CA10131-OCT16	26-Oct-16	2640	2631	---	---	---	---	---	---	---	---
53	CA10023-NOV16	02-Nov-16	2640	2510	---	---	---	---	---	---	---	---
54	CA10058-NOV16	09-Nov-16	2640	2802	---	---	---	---	---	---	---	---
55	CA10092-NOV16	16-Nov-16	2640	2578	0.00085	0.0716	< 0.00001	0.00031	0.000042	0.000864	0.00602	< 0.002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #5 Ultramafic (Ob)
Weight: 26.4kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10125-NOV16	23-Nov-16	2640	2646	7.83	< 2	36	110	13	10.2	---	---	---	---
57	CA10166-NOV16	30-Nov-16	2640	2616	7.97	< 2	35	107	13	10.2	---	---	---	---
58	CA10021-DEC16	07-Dec-16	2640	2650	7.68	< 2	40	110	13	10.3	---	---	---	---
59	CA10052-DEC16	14-Dec-16	2640	2555	7.83	< 2	33	107	13	9.55	---	---	---	---
60	CA10084-DEC16	21-Dec-16	2640	2734	7.85	< 2	35	111	16	10.6	< 1	< 0.06	< 0.00001	< 0.00005
61	CA10115-DEC16	28-Dec-16	2640	2695	7.92	< 2	36	105	14	11.5	---	---	---	---
62	CA10021-JAN17	04-Jan-17	2640	2560	8.13	< 2	34	104	14	11.3	---	---	---	---
63	CA10053-JAN17	11-Jan-17	2640	2609	7.93	< 2	34	105	13	11.0	---	---	---	---
64	CA10087-JAN17	18-Jan-17	2640	2633	8.13	< 2	35	112	14	10.7	---	---	---	---
65	CA10123-JAN17	25-Jan-17	2640	2622	7.75	< 2	35	111	15	10.9	< 1	< 0.06	< 0.00001	< 0.00005
66	CA10008-FEB17	01-Feb-17	2640	2707	8.00	< 2	34	114	16	11.4	---	---	---	---
67	CA10044-FEB17	08-Feb-17	2640	2620	8.06	< 2	35	121	19	11.7	---	---	---	---
68	CA10089-FEB17	15-Feb-17	2640	2554	7.90	< 2	36	123	20	12.6	---	---	---	---
69	CA10126-FEB17	22-Feb-17	2640	2576	8.05	< 2	35	126	22	12.4	---	---	---	---
70	CA10009-MAR17	01-Mar-17	2640	2690	8.04	< 2	39	136	23	13.5	< 1	< 0.06	< 0.00001	< 0.00005
71	CA10046-MAR17	08-Mar-17	2640	2639	7.84	< 2	41	134	25	13.7	---	---	---	---
72	CA10082-MAR17	15-Mar-17	2640	2607	7.96	< 2	35	139	25	13.3	---	---	---	---
73	CA10121-MAR17	22-Mar-17	2640	2672	7.87	< 2	38	138	27	14.5	---	---	---	---
74	CA10156-MAR17	29-Mar-17	2640	2584	8.00	< 2	38	142	25	14.6	---	---	---	---
75	CA10027-APR17	05-Apr-17	2640	2583	8.01	< 2	37	141	260	13.9	1	< 0.06	< 0.00001	< 0.00005
76	CA10065-APR17	12-Apr-17	2640	2713	7.88	< 2	36	134	26	15.4	---	---	---	---
77	CA10102-APR17	19-Apr-17	2640	2589	7.87	< 2	37	132	24	13.7	---	---	---	---
78	CA10139-APR17	26-Apr-17	2640	2647	8.05	< 2	35	133	24	14.1	---	---	---	---
79	CA10026-MAY17	03-May-17	2640	2624	7.92	< 2	37	124	21	14.2	---	---	---	---
80	CA10064-MAY17	10-May-17	2640	2650	7.92	< 2	36	128	24	12.6	< 1	< 0.06	< 0.00001	< 0.00005
81	CA10100-MAY17	17-May-17	2640	2586	7.97	< 2	35	126	23	12.5	---	---	---	---
82	CA10136-MAY17	24-May-17	2640	2727	7.70	< 2	33	129	20	13.0	---	---	---	---
83	CA10172-MAY17	31-May-17	2640	2561	7.93	< 2	36	122	20	10.9	---	---	---	---
84	CA10025-JUN17	07-Jun-17	2640	2637	8.02	< 2	35	118	19	11.1	---	---	---	---
85	CA10066-JUN17	14-Jun-17	2640	2638	8.02	< 2	39	118	19	10.6	< 1	< 0.06	< 0.00001	< 0.00005

On hold

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #5 Ultramafic (Ob)
Weight: 26.4kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10125-NOV16	23-Nov-16	2640	2646	---	---	---	---	---	---	---	---	---	---	---
57	CA10166-NOV16	30-Nov-16	2640	2616	---	---	---	---	---	---	---	---	---	---	---
58	CA10021-DEC16	07-Dec-16	2640	2650	---	---	---	---	---	---	---	---	---	---	---
59	CA10052-DEC16	14-Dec-16	2640	2555	---	---	---	---	---	---	---	---	---	---	---
60	CA10084-DEC16	21-Dec-16	2640	2734	0.047	1.21	---	---	0.0350	< 0.000007	0.007	< 0.000007	0.000003	0.000338	0.00017
61	CA10115-DEC16	28-Dec-16	2640	2695	---	---	---	---	---	---	---	---	---	---	---
62	CA10021-JAN17	04-Jan-17	2640	2560	---	---	---	---	---	---	---	---	---	---	---
63	CA10053-JAN17	11-Jan-17	2640	2609	---	---	---	---	---	---	---	---	---	---	---
64	CA10087-JAN17	18-Jan-17	2640	2633	---	---	---	---	---	---	---	---	---	---	---
65	CA10123-JAN17	25-Jan-17	2640	2622	0.048	1.01	---	---	0.0354	< 0.000007	0.005	< 0.000007	< 0.000003	0.000280	0.00020
66	CA10008-FEB17	01-Feb-17	2640	2707	---	---	---	---	---	---	---	---	---	---	---
67	CA10044-FEB17	08-Feb-17	2640	2620	---	---	---	---	---	---	---	---	---	---	---
68	CA10089-FEB17	15-Feb-17	2640	2554	---	---	---	---	---	---	---	---	---	---	---
69	CA10126-FEB17	22-Feb-17	2640	2576	---	---	---	---	---	---	---	---	---	---	---
70	CA10009-MAR17	01-Mar-17	2640	2690	0.041	0.896	---	---	0.0436	< 0.000007	0.002	< 0.000007	< 0.000003	0.000323	0.00012
71	CA10046-MAR17	08-Mar-17	2640	2639	---	---	---	---	---	---	---	---	---	---	---
72	CA10082-MAR17	15-Mar-17	2640	2607	---	---	---	---	---	---	---	---	---	---	---
73	CA10121-MAR17	22-Mar-17	2640	2672	---	---	---	---	---	---	---	---	---	---	---
74	CA10156-MAR17	29-Mar-17	2640	2584	---	---	---	---	---	---	---	---	---	---	---
75	CA10027-APR17	05-Apr-17	2640	2583	0.042	0.792	---	---	0.0444	0.000007	< 0.002	< 0.000007	< 0.000003	0.000350	0.00017
76	CA10065-APR17	12-Apr-17	2640	2713	---	---	---	---	---	---	---	---	---	---	---
77	CA10102-APR17	19-Apr-17	2640	2589	---	---	---	---	---	---	---	---	---	---	---
78	CA10139-APR17	26-Apr-17	2640	2647	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-MAY17	03-May-17	2640	2624	---	0.891	<0.0005	0.54	---	---	---	---	---	---	---
80	CA10064-MAY17	10-May-17	2640	2650	0.044	0.931	<0.0005	0.78	0.0435	< 0.000007	0.003	< 0.000007	< 0.000003	0.000270	0.00019
81	CA10100-MAY17	17-May-17	2640	2586	---	---	---	---	---	---	---	---	---	---	---
82	CA10136-MAY17	24-May-17	2640	2727	---	---	---	---	---	---	---	---	---	---	---
83	CA10172-MAY17	31-May-17	2640	2561	---	---	---	---	---	---	---	---	---	---	---
84	CA10025-JUN17	07-Jun-17	2640	2637	---	---	---	---	---	---	---	---	---	---	---
85	CA10066-JUN17	14-Jun-17	2640	2638	0.036	0.646	---	---	0.0364	< 0.000007	0.002	< 0.000007	< 0.000003	0.000227	0.00051

On hold

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #5 Ultramafic (Ob)
Weight: 26.4kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10125-NOV16	23-Nov-16	2640	2646	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10166-NOV16	30-Nov-16	2640	2616	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10021-DEC16	07-Dec-16	2640	2650	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10052-DEC16	14-Dec-16	2640	2555	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10084-DEC16	21-Dec-16	2640	2734	0.00023	0.008	11.5	0.0030	2.63	0.00594	0.00102	0.16	0.0009	< 0.003	0.00006	0.0027
61	CA10115-DEC16	28-Dec-16	2640	2695	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10021-JAN17	04-Jan-17	2640	2560	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10053-JAN17	11-Jan-17	2640	2609	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10087-JAN17	18-Jan-17	2640	2633	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10123-JAN17	25-Jan-17	2640	2622	0.00020	< 0.007	11.9	0.0031	2.59	0.00397	0.00140	0.12	0.0007	< 0.003	< 0.00001	0.0022
66	CA10008-FEB17	01-Feb-17	2640	2707	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10044-FEB17	08-Feb-17	2640	2620	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10089-FEB17	15-Feb-17	2640	2554	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10126-FEB17	22-Feb-17	2640	2576	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10009-MAR17	01-Mar-17	2640	2690	0.00074	< 0.007	12.0	0.0032	3.11	0.00340	0.00185	0.13	0.0011	< 0.003	0.00002	0.0022
71	CA10046-MAR17	08-Mar-17	2640	2639	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10082-MAR17	15-Mar-17	2640	2607	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10121-MAR17	22-Mar-17	2640	2672	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10156-MAR17	29-Mar-17	2640	2584	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10027-APR17	05-Apr-17	2640	2583	0.00463	< 0.007	12.8	0.0031	3.38	0.00266	0.00228	0.12	0.0014	< 0.003	0.00003	0.0019
76	CA10065-APR17	12-Apr-17	2640	2713	---	---	---	---	---	---	---	---	---	---	---	---
77	CA10102-APR17	19-Apr-17	2640	2589	---	---	---	---	---	---	---	---	---	---	---	---
78	CA10139-APR17	26-Apr-17	2640	2647	---	---	---	---	---	---	---	---	---	---	---	---
79	CA10026-MAY17	03-May-17	2640	2624	---	---	---	---	---	---	---	---	---	---	---	---
80	CA10064-MAY17	10-May-17	2640	2650	0.00022	< 0.007	10.8	0.0034	3.17	0.00192	0.00269	0.12	0.0011	0.004	0.00001	0.0023
81	CA10100-MAY17	17-May-17	2640	2586	---	---	---	---	---	---	---	---	---	---	---	---
82	CA10136-MAY17	24-May-17	2640	2727	---	---	---	---	---	---	---	---	---	---	---	---
83	CA10172-MAY17	31-May-17	2640	2561	---	---	---	---	---	---	---	---	---	---	---	---
84	CA10025-JUN17	07-Jun-17	2640	2637	---	---	---	---	---	---	---	---	---	---	---	---
85	CA10066-JUN17	14-Jun-17	2640	2638	0.00051	0.013	9.66	0.0023	2.56	0.00176	0.00277	0.11	0.0009	< 0.003	0.00003	0.0017

On hold

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #5 Ultramafic (Ob)
Weight: 26.4kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10125-NOV16	23-Nov-16	2640	2646	---	---	---	---	---	---	---	---
57	CA10166-NOV16	30-Nov-16	2640	2616	---	---	---	---	---	---	---	---
58	CA10021-DEC16	07-Dec-16	2640	2650	---	---	---	---	---	---	---	---
59	CA10052-DEC16	14-Dec-16	2640	2555	---	---	---	---	---	---	---	---
60	CA10084-DEC16	21-Dec-16	2640	2734	0.00072	0.0716	< 0.00001	0.00031	0.000045	0.00127	0.00574	< 0.002
61	CA10115-DEC16	28-Dec-16	2640	2695	---	---	---	---	---	---	---	---
62	CA10021-JAN17	04-Jan-17	2640	2560	---	---	---	---	---	---	---	---
63	CA10053-JAN17	11-Jan-17	2640	2609	---	---	---	---	---	---	---	---
64	CA10087-JAN17	18-Jan-17	2640	2633	---	---	---	---	---	---	---	---
65	CA10123-JAN17	25-Jan-17	2640	2622	0.00055	0.0727	0.00006	0.00026	0.000043	0.00137	0.00537	< 0.002
66	CA10008-FEB17	01-Feb-17	2640	2707	---	---	---	---	---	---	---	---
67	CA10044-FEB17	08-Feb-17	2640	2620	---	---	---	---	---	---	---	---
68	CA10089-FEB17	15-Feb-17	2640	2554	---	---	---	---	---	---	---	---
69	CA10126-FEB17	22-Feb-17	2640	2576	---	---	---	---	---	---	---	---
70	CA10009-MAR17	01-Mar-17	2640	2690	0.00057	0.0875	0.00013	0.00032	0.000047	0.00190	0.00444	< 0.002
71	CA10046-MAR17	08-Mar-17	2640	2639	---	---	---	---	---	---	---	---
72	CA10082-MAR17	15-Mar-17	2640	2607	---	---	---	---	---	---	---	---
73	CA10121-MAR17	22-Mar-17	2640	2672	---	---	---	---	---	---	---	---
74	CA10156-MAR17	29-Mar-17	2640	2584	---	---	---	---	---	---	---	---
75	CA10027-APR17	05-Apr-17	2640	2583	0.00058	0.0936	0.00002	0.00021	0.000063	0.00198	0.00426	< 0.002
76	CA10065-APR17	12-Apr-17	2640	2713	---	---	---	---	---	---	---	---
77	CA10102-APR17	19-Apr-17	2640	2589	---	---	---	---	---	---	---	---
78	CA10139-APR17	26-Apr-17	2640	2647	---	---	---	---	---	---	---	---
79	CA10026-MAY17	03-May-17	2640	2624	---	---	---	---	---	---	---	---
80	CA10064-MAY17	10-May-17	2640	2650	0.00069	0.0923	0.00007	0.00019	0.000056	0.00174	0.00394	< 0.002
81	CA10100-MAY17	17-May-17	2640	2586	---	---	---	---	---	---	---	---
82	CA10136-MAY17	24-May-17	2640	2727	---	---	---	---	---	---	---	---
83	CA10172-MAY17	31-May-17	2640	2561	---	---	---	---	---	---	---	---
84	CA10025-JUN17	07-Jun-17	2640	2637	---	---	---	---	---	---	---	---
85	CA10066-JUN17	14-Jun-17	2640	2638	0.00045	0.0765	0.00014	0.00019	0.000047	0.00143	0.00312	< 0.002

On hold

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #7 Whale Tail
Weight: 20.3kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10036-JAN16	06-Jan-16	2030	269	7.42	< 2	31	289	92	33.0	3	0.20	< 0.00001	< 0.000002
1	CA10075-JAN16	13-Jan-16	2030	1372	7.83	< 2	41	526	180	48.0	9	0.25	< 0.00001	< 0.000002
2	CA10105-JAN16	20-Jan-16	2030	1989	7.90	< 2	54	821	300	79.7	9	0.37	< 0.00001	0.000011
3	CA10148-JAN16	27-Jan-16	2030	2083	7.93	< 2	50	570	260	69.3	6	0.32	< 0.00001	0.000006
4	CA10030-FEB16	03-Feb-16	2030	2082	7.89	< 2	50	468	160	42.4	3	0.31	< 0.00001	< 0.000002
5	CA10072-FEB16	10-Feb-16	2030	2016	8.02	< 2	47	366	100	30.9	2	0.30	< 0.00001	< 0.000002
6	CA10113-FEB16	17-Feb-16	750	750	8.04	< 2	69	486	150	43.7	2	0.45	< 0.00001	< 0.000002
7	CA10157-FEB16	24-Feb-16	750	752	8.17	< 2	72	449	110	41.7	1	0.45	< 0.00001	< 0.000002
8	CA10027-MAR16	02-Mar-16	750	781	8.03	< 2	68	440	130	41.7	1	0.46	< 0.00001	< 0.000002
9	CA10063-MAR16	09-Mar-16	Flooded / 4000	3865	8.15	< 2	51	238	55	22.5	< 1	0.32	< 0.00001	< 0.000002
10	CA10100-MAR16	16-Mar-16	2030	2190	8.05	< 2	60	236	58	21.7	< 1	0.40	< 0.00001	0.000002
11	CA10144-MAR16	23-Mar-16	2030	2024	8.12	< 2	56	210	42	19.0	---	---	---	---
12	CA10179-MAR16	30-Mar-16	2030	2063	8.21	< 2	56	186	34	15.3	---	---	---	---
13	CA10024-APR16	06-Apr-16	2030	2054	8.22	< 2	50	159	23	13.9	---	---	---	---
14	CA10061-APR16	13-Apr-16	2030	1989	8.06	< 2	44	135	16	11.1	---	---	---	---
15	CA10103-APR16	20-Apr-16	2030	2043	8.12	< 2	43	118	11	9.88	1	0.21	< 0.00001	0.000182
16	CA10135-APR16	27-Apr-16	2030	2033	8.17	< 2	43	138	14	10.5	---	---	---	---
17	CA10024-MAY16	04-May-16	2030	2040	8.14	< 2	48	165	16	12.0	---	---	---	---
18	CA10061-MAY16	11-May-16	2030	2031	8.15	< 2	46	134	15	10.6	---	---	---	---
19	CA10103-MAY16	18-May-16	2030	2020	8.04	< 2	40	110	10	8.91	---	---	---	---
20	CA10138-MAY16	25-May-16	2030	2042	8.05	< 2	37	111	10	8.95	< 1	0.16	< 0.00001	< 0.000002
21	CA10006-JUN16	01-Jun-16	2030	2027	8.08	< 2	37	106	9	9.14	---	---	---	---
22	CA10038-JUN16	08-Jun-16	2030	2026	8.02	< 2	39	106	9	8.99	---	---	---	---
23	CA10069-JUN16	15-Jun-16	2030	2051	8.34	< 2	36	98	8	8.27	---	---	---	---
24	CA10100-JUN16	22-Jun-16	2030	2028	8.00	< 2	43	106	8	8.68	---	---	---	---
25	CA10138-JUN16	29-Jun-16	2030	2048	8.15	< 2	36	97	7	8.12	< 1	0.10	< 0.00001	< 0.000002
26	CA10028-JUL16	06-Jul-16	2030	2041	8.27	< 2	38	106	9	9.16	---	---	---	---
27	CA10065-JUL16	13-Jul-16	2030	2045	8.09	< 2	34	87	6	7.54	---	---	---	---
28	CA10102-JUL16	20-Jul-16	2030	1983	8.22	< 2	51	98	8	8.43	---	---	---	---
29	CA10136-JUL16	27-Jul-16	2030	2037	8.25	< 2	34	91	7	7.84	---	---	---	---
30	CA10033-AUG16	03-Aug-16	2030	2084	8.09	< 2	36	93	6	7.22	< 1	0.09	< 0.00001	< 0.000002
31	CA10068-AUG16	10-Aug-16	2030	2048	7.93	< 2	39	107	7	9.95	---	---	---	---
32	CA10103-AUG16	17-Aug-16	2030	2044	8.03	< 2	39	105	7	8.71	---	---	---	---
33	CA10139-AUG16	24-Aug-16	2030	2027	8.08	< 2	41	109	7	9.27	---	---	---	---
34	CA10175-AUG16	31-Aug-16	2030	2041	8.12	< 2	37	99	6	7.94	---	---	---	---
35	CA10028-SEP16	07-Sep-16	2030	2043	7.93	< 2	37	95	7	8.55	< 1	0.10	< 0.00001	0.000007
36	CA10064-SEP16	14-Sep-16	2030	2023	8.09	< 2	36	92	6	7.81	---	---	---	---
37	CA10104-SEP16	21-Sep-16	2030	2023	8.02	< 2	33	82	5	7.16	---	---	---	---
38	CA10139-SEP16	28-Sep-16	2030	2060	8.01	< 2	32	84	5	7.33	---	---	---	---
39	CA10006-OCT16	05-Oct-16	2030	2021	8.02	< 2	35	88	5	7.69	---	---	---	---
40	CA10070-OCT16	12-Oct-16	2030	2049	7.88	< 2	37	92	6	8.49	< 1	0.10	< 0.00001	0.000003
41	CA10097-OCT16	19-Oct-16	2030	1917	8.19	< 2	34	89	5	7.62	---	---	---	---
42	CA10132-OCT16	26-Oct-16	2030	1987	8.34	< 2	36	91	5	7.65	---	---	---	---
43	CA10024-NOV16	02-Nov-16	2030	1906	8.14	< 2	38	93	5	8.56	---	---	---	---
44	CA10059-NOV16	09-Nov-16	2030	2092	8.13	< 2	39	97	5	8.97	---	---	---	---
45	CA10093-NOV16	16-Nov-16	2030	1949	7.91	< 2	35	90	5	8.11	2	< 0.06	< 0.00001	0.000002
46	CA10126-NOV16	23-Nov-16	2030	1984	8.09	< 2	39	98	6	8.64	---	---	---	---
47	CA10167-NOV16	30-Nov-16	2030	1964	8.08	< 2	38	96	6	9.08	---	---	---	---
48	CA10022-DEC16	07-Dec-16	2030	2012	8.00	< 2	37	93	5	8.55	---	---	---	---
49	CA10053-DEC16	14-Dec-16	2030	1960	8.02	< 2	37	88	5	7.47	---	---	---	---
50	CA10085-DEC16	21-Dec-16	2030	2007	7.97	< 2	40	102	6	9.31	< 1	0.10	< 0.00001	< 0.00005
51	CA10116-DEC16	28-Dec-16	2030	2056	8.21	< 2	43	108	6	10.5	---	---	---	---
52	CA10022-JAN17	04-Jan-17	2030	1913	8.08	< 2	41	102	6	10.7	---	---	---	---
53	CA10054-JAN17	11-Jan-17	2030	1987	8.12	< 2	42	101	6	11.0	---	---	---	---
54	CA10088-JAN17	18-Jan-17	2030	1982	8.01	< 2	40	103	6	9.36	---	---	---	---
55	CA10124-JAN17	25-Jan-17	2030	2019	7.82	< 2	38	95	5	8.95	< 1	0.07	< 0.00001	< 0.00005

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #7 Whale Tail
Weight: 20.3kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
0	CA10036-JAN16	06-Jan-16	2030	269	0.03	0.0058	---	---	0.12	< 0.000007	0.0122	< 0.000007	0.000024	0.000401	0.0001
1	CA10075-JAN16	13-Jan-16	2030	1372	0.016	0.103	---	---	0.0943	< 0.000007	0.0223	< 0.000007	0.000034	0.00104	0.00013
2	CA10105-JAN16	20-Jan-16	2030	1989	0.013	0.260	---	---	0.0843	< 0.000007	0.038	< 0.000007	0.000026	0.00230	0.00014
3	CA10148-JAN16	27-Jan-16	2030	2083	0.015	0.323	---	---	0.0705	< 0.000007	0.045	0.000009	0.000015	0.00197	0.00013
4	CA10030-FEB16	03-Feb-16	2030	2082	0.018	0.389	---	---	0.0630	< 0.000007	0.029	< 0.000007	< 0.000003	0.00138	0.00017
5	CA10072-FEB16	10-Feb-16	2030	2016	0.024	0.430	---	---	0.0492	< 0.000007	0.025	< 0.000007	0.000003	0.000876	0.00020
6	CA10113-FEB16	17-Feb-16	750	750	0.012	0.669	---	---	0.0575	< 0.000007	0.034	< 0.000007	0.000009	0.00134	0.00030
7	CA10157-FEB16	24-Feb-16	750	752	0.015	0.752	---	---	0.0565	< 0.000007	0.032	< 0.000007	0.000015	0.00122	0.00034
8	CA10027-MAR16	02-Mar-16	750	781	0.017	0.896	---	---	0.0546	< 0.000007	0.034	< 0.000007	0.000011	0.00121	0.00041
9	CA10063-MAR16	09-Mar-16	Flooded / 4000	3865	0.029	0.862	---	---	0.0673	< 0.000007	0.023	< 0.000007	0.000004	0.000572	0.00041
10	CA10100-MAR16	16-Mar-16	2030	2190	0.026	0.996	---	---	0.0825	< 0.000007	0.027	< 0.000007	< 0.000003	0.000530	0.00045
11	CA10144-MAR16	23-Mar-16	2030	2024	---	---	---	---	---	---	---	---	---	---	---
12	CA10179-MAR16	30-Mar-16	2030	2063	---	---	---	---	---	---	---	---	---	---	---
13	CA10024-APR16	06-Apr-16	2030	2054	---	---	---	---	---	---	---	---	---	---	---
14	CA10061-APR16	13-Apr-16	2030	1989	---	---	---	---	---	---	---	---	---	---	---
15	CA10103-APR16	20-Apr-16	2030	2043	0.036	0.892	---	---	0.0780	0.000008	0.014	< 0.000007	0.000008	0.000218	0.00050
16	CA10135-APR16	27-Apr-16	2030	2033	---	---	---	---	---	---	---	---	---	---	---
17	CA10024-MAY16	04-May-16	2030	2040	---	---	---	---	---	---	---	---	---	---	---
18	CA10061-MAY16	11-May-16	2030	2031	---	---	---	---	---	---	---	---	---	---	---
19	CA10103-MAY16	18-May-16	2030	2020	---	---	---	---	---	---	---	---	---	---	---
20	CA10138-MAY16	25-May-16	2030	2042	0.039	0.893	---	---	0.0920	< 0.000007	0.010	< 0.000007	0.000003	0.000160	0.00060
21	CA10006-JUN16	01-Jun-16	2030	2027	---	---	---	---	---	---	---	---	---	---	---
22	CA10038-JUN16	08-Jun-16	2030	2026	---	---	---	---	---	---	---	---	---	---	---
23	CA10069-JUN16	15-Jun-16	2030	2051	---	---	---	---	---	---	---	---	---	---	---
24	CA10100-JUN16	22-Jun-16	2030	2028	---	---	---	---	---	---	---	---	---	---	---
25	CA10138-JUN16	29-Jun-16	2030	2048	0.038	0.880	---	---	0.0885	< 0.000007	0.004	< 0.000007	< 0.000003	0.000118	0.00045
26	CA10028-JUL16	06-Jul-16	2030	2041	---	---	---	---	---	---	---	---	---	---	---
27	CA10065-JUL16	13-Jul-16	2030	2045	---	---	---	---	---	---	---	---	---	---	---
28	CA10102-JUL16	20-Jul-16	2030	1983	---	---	---	---	---	---	---	---	---	---	---
29	CA10136-JUL16	27-Jul-16	2030	2037	---	---	---	---	---	---	---	---	---	---	---
30	CA10033-AUG16	03-Aug-16	2030	2084	0.039	0.874	---	---	0.0940	< 0.000007	0.003	< 0.000007	< 0.000003	0.000136	0.00050
31	CA10068-AUG16	10-Aug-16	2030	2048	---	---	---	---	---	---	---	---	---	---	---
32	CA10103-AUG16	17-Aug-16	2030	2044	---	---	---	---	---	---	---	---	---	---	---
33	CA10139-AUG16	24-Aug-16	2030	2027	---	---	---	---	---	---	---	---	---	---	---
34	CA10175-AUG16	31-Aug-16	2030	2041	---	---	---	---	---	---	---	---	---	---	---
35	CA10028-SEP16	07-Sep-16	2030	2043	0.037	0.909	---	---	0.116	< 0.000007	0.006	< 0.000007	< 0.000003	0.000119	0.00049
36	CA10064-SEP16	14-Sep-16	2030	2023	---	---	---	---	---	---	---	---	---	---	---
37	CA10104-SEP16	21-Sep-16	2030	2023	---	---	---	---	---	---	---	---	---	---	---
38	CA10139-SEP16	28-Sep-16	2030	2060	---	---	---	---	---	---	---	---	---	---	---
39	CA10006-OCT16	05-Oct-16	2030	2021	---	---	---	---	---	---	---	---	---	---	---
40	CA10070-OCT16	12-Oct-16	2030	2049	0.039	0.809	---	---	0.116	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000117	0.00044
41	CA10097-OCT16	19-Oct-16	2030	1917	---	---	---	---	---	---	---	---	---	---	---
42	CA10132-OCT16	26-Oct-16	2030	1987	---	---	---	---	---	---	---	---	---	---	---
43	CA10024-NOV16	02-Nov-16	2030	1906	---	---	---	---	---	---	---	---	---	---	---
44	CA10059-NOV16	09-Nov-16	2030	2092	---	---	---	---	---	---	---	---	---	---	---
45	CA10093-NOV16	16-Nov-16	2030	1949	0.042	0.842	---	---	0.123	0.000007	< 0.002	< 0.000007	< 0.000003	0.000116	0.00049
46	CA10126-NOV16	23-Nov-16	2030	1984	---	---	---	---	---	---	---	---	---	---	---
47	CA10167-NOV16	30-Nov-16	2030	1964	---	---	---	---	---	---	---	---	---	---	---
48	CA10022-DEC16	07-Dec-16	2030	2012	---	---	---	---	---	---	---	---	---	---	---
49	CA10053-DEC16	14-Dec-16	2030	1960	---	---	---	---	---	---	---	---	---	---	---
50	CA10085-DEC16	21-Dec-16	2030	2007	0.036	1.04	---	---	0.146	< 0.000007	0.007	< 0.000007	0.000003	0.000119	0.00052
51	CA10116-DEC16	28-Dec-16	2030	2056	---	---	---	---	---	---	---	---	---	---	---
52	CA10022-JAN17	04-Jan-17	2030	1913	---	---	---	---	---	---	---	---	---	---	---
53	CA10054-JAN17	11-Jan-17	2030	1987	---	---	---	---	---	---	---	---	---	---	---
54	CA10088-JAN17	18-Jan-17	2030	1982	---	---	---	---	---	---	---	---	---	---	---
55	CA10124-JAN17	25-Jan-17	2030	2019	0.038	0.933	---	---	0.143	< 0.000007	0.008	0.000007	0.000006	0.000090	0.00050

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #7 Whale Tail
Weight: 20.3kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10036-JAN16	06-Jan-16	2030	269	0.00113	< 0.007	25	0.00623	6.38	0.0275	0.00322	3.04	0.0029	0.01	0.00102	0.0014
1	CA10075-JAN16	13-Jan-16	2030	1372	0.00253	< 0.007	33.5	0.0120	11.7	0.0276	0.0125	5.49	0.0102	< 0.003	0.00133	0.0037
2	CA10105-JAN16	20-Jan-16	2030	1989	0.00304	< 0.007	47.7	0.0193	22.1	0.0505	0.0158	8.21	0.0200	0.016	0.00083	0.0051
3	CA10148-JAN16	27-Jan-16	2030	2083	0.00206	< 0.007	43.6	0.0202	19.2	0.0432	0.0149	7.03	0.0185	0.012	0.00040	0.0049
4	CA10030-FEB16	03-Feb-16	2030	2082	0.00133	< 0.007	36.1	0.0148	13.2	0.0290	0.0136	4.93	0.0121	0.018	0.00018	0.0051
5	CA10072-FEB16	10-Feb-16	2030	2016	0.00110	< 0.007	29.2	0.0119	8.71	0.0218	0.0111	3.41	0.0076	0.012	0.00013	0.0051
6	CA10113-FEB16	17-Feb-16	750	750	0.00138	< 0.007	36.7	0.0166	11.8	0.0291	0.0184	4.26	0.0117	0.014	0.00017	0.0072
7	CA10157-FEB16	24-Feb-16	750	752	0.00134	< 0.007	38.6	0.0168	11.5	0.0279	0.01745	4.35	0.0103	0.019	0.00015	0.0082
8	CA10027-MAR16	02-Mar-16	750	781	0.00128	0.008	41.8	0.0167	12.1	0.0275	0.0182	4.46	0.0107	0.020	0.00017	0.0083
9	CA10063-MAR16	09-Mar-16	Flooded / 4000	3865	0.00077	0.011	27.5	0.0110	6.17	0.0139	0.00816	2.24	0.0047	0.020	0.00010	0.0065
10	CA10100-MAR16	16-Mar-16	2030	2190	0.00114	0.010	28.6	0.0111	5.70	0.0148	0.00744	2.14	0.0039	0.022	0.00010	0.0069
11	CA10144-MAR16	23-Mar-16	2030	2024	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10179-MAR16	30-Mar-16	2030	2063	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10024-APR16	06-Apr-16	2030	2054	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10061-APR16	13-Apr-16	2030	1989	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10103-APR16	20-Apr-16	2030	2043	0.00050	0.010	17.2	0.00558	2.90	0.00781	0.00205	0.72	0.0012	0.012	0.00006	0.0052
16	CA10135-APR16	27-Apr-16	2030	2033	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10024-MAY16	04-May-16	2030	2040	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10061-MAY16	11-May-16	2030	2031	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10103-MAY16	18-May-16	2030	2020	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10138-MAY16	25-May-16	2030	2042	0.00023	0.032	15.9	0.00483	2.31	0.00701	0.00138	0.45	0.0008	0.020	0.00005	0.0048
21	CA10006-JUN16	01-Jun-16	2030	2027	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10038-JUN16	08-Jun-16	2030	2026	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10069-JUN16	15-Jun-16	2030	2051	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10100-JUN16	22-Jun-16	2030	2028	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10138-JUN16	29-Jun-16	2030	2048	0.00022	0.010	14.0	0.00424	2.17	0.00659	0.00130	0.32	0.0005	0.019	0.00002	0.0045
26	CA10028-JUL16	06-Jul-16	2030	2041	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10065-JUL16	13-Jul-16	2030	2045	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10102-JUL16	20-Jul-16	2030	1983	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10136-JUL16	27-Jul-16	2030	2037	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10033-AUG16	03-Aug-16	2030	2084	0.00003	0.014	12.9	0.00403	1.91	0.00620	0.00097	0.21	0.0004	0.018	0.00007	0.0056
31	CA10068-AUG16	10-Aug-16	2030	2048	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10103-AUG16	17-Aug-16	2030	2044	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10139-AUG16	24-Aug-16	2030	2027	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10175-AUG16	31-Aug-16	2030	2041	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10028-SEP16	07-Sep-16	2030	2043	0.00025	0.011	13.7	0.0044	2.09	0.00529	0.00102	0.22	0.0005	0.043	0.00004	0.0049
36	CA10064-SEP16	14-Sep-16	2030	2023	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10104-SEP16	21-Sep-16	2030	2023	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10139-SEP16	28-Sep-16	2030	2060	---	---	---	---	---	---	---	---	---	---	---	---
39	CA10006-OCT16	05-Oct-16	2030	2021	---	---	---	---	---	---	---	---	---	---	---	---
40	CA10070-OCT16	12-Oct-16	2030	2049	0.00025	0.009	12.8	0.0043	1.96	0.00510	0.00103	0.20	0.0005	0.023	0.00003	0.0046
41	CA10097-OCT16	19-Oct-16	2030	1917	---	---	---	---	---	---	---	---	---	---	---	---
42	CA10132-OCT16	26-Oct-16	2030	1987	---	---	---	---	---	---	---	---	---	---	---	---
43	CA10024-NOV16	02-Nov-16	2030	1906	---	---	---	---	---	---	---	---	---	---	---	---
44	CA10059-NOV16	09-Nov-16	2030	2092	---	---	---	---	---	---	---	---	---	---	---	---
45	CA10093-NOV16	16-Nov-16	2030	1949	0.00029	0.016	11.4	0.0035	1.72	0.00503	0.00074	0.17	0.0004	0.025	0.00004	0.0037
46	CA10126-NOV16	23-Nov-16	2030	1984	---	---	---	---	---	---	---	---	---	---	---	---
47	CA10167-NOV16	30-Nov-16	2030	1964	---	---	---	---	---	---	---	---	---	---	---	---
48	CA10022-DEC16	07-Dec-16	2030	2012	---	---	---	---	---	---	---	---	---	---	---	---
49	CA10053-DEC16	14-Dec-16	2030	1960	---	---	---	---	---	---	---	---	---	---	---	---
50	CA10085-DEC16	21-Dec-16	2030	2007	0.00028	0.011	13.4	0.0044	2.07	0.00417	0.00105	0.21	0.0004	0.023	0.00008	0.0040
51	CA10116-DEC16	28-Dec-16	2030	2056	---	---	---	---	---	---	---	---	---	---	---	---
52	CA10022-JAN17	04-Jan-17	2030	1913	---	---	---	---	---	---	---	---	---	---	---	---
53	CA10054-JAN17	11-Jan-17	2030	1987	---	---	---	---	---	---	---	---	---	---	---	---
54	CA10088-JAN17	18-Jan-17	2030	1982	---	---	---	---	---	---	---	---	---	---	---	---
55	CA10124-JAN17	25-Jan-17	2030	2019	0.00026	0.011	13.0	0.0042	1.85	0.00370	0.00105	0.15	0.0003	0.021	0.00005	0.0034

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #7 Whale Tail
Weight: 20.3kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10036-JAN16	06-Jan-16	2030	269	0.00937	0.222	0.00287	0.00013	0.000058	0.000708	0.00297	0.002
1	CA10075-JAN16	13-Jan-16	2030	1372	0.0211	0.388	0.00152	0.00010	0.000055	0.00659	0.00904	< 0.002
2	CA10105-JAN16	20-Jan-16	2030	1989	0.0305	0.659	0.00072	< 0.00005	0.000086	0.0133	0.0131	< 0.002
3	CA10148-JAN16	27-Jan-16	2030	2083	0.0239	0.537	0.00052	< 0.00005	0.000072	0.0103	0.0145	< 0.002
4	CA10030-FEB16	03-Feb-16	2030	2082	0.0123	0.368	0.00044	0.00036	0.000067	0.00746	0.0170	< 0.002
5	CA10072-FEB16	10-Feb-16	2030	2016	0.00772	0.267	0.00029	0.00013	0.000050	0.00546	0.0175	< 0.002
6	CA10113-FEB16	17-Feb-16	750	750	0.00951	0.409	0.00034	0.00012	0.000068	0.0101	0.0183	< 0.002
7	CA10157-FEB16	24-Feb-16	750	752	0.00899	0.373	0.00028	0.00030	0.000075	0.00903	0.0220	< 0.002
8	CA10027-MAR16	02-Mar-16	750	781	0.00902	0.385	0.00036	0.00027	0.000067	0.00836	0.0230	< 0.002
9	CA10063-MAR16	09-Mar-16	Flooded / 4000	3865	0.00455	0.209	0.00019	0.00050	0.000042	0.00336	0.0239	< 0.002
10	CA10100-MAR16	16-Mar-16	2030	2190	0.00482	0.223	0.00017	0.00036	0.000039	0.00374	0.0260	< 0.002
11	CA10144-MAR16	23-Mar-16	2030	2024	---	---	---	---	---	---	---	---
12	CA10179-MAR16	30-Mar-16	2030	2063	---	---	---	---	---	---	---	---
13	CA10024-APR16	06-Apr-16	2030	2054	---	---	---	---	---	---	---	---
14	CA10061-APR16	13-Apr-16	2030	1989	---	---	---	---	---	---	---	---
15	CA10103-APR16	20-Apr-16	2030	2043	0.00331	0.122	0.00017	0.00043	0.000033	0.00149	0.0234	< 0.002
16	CA10135-APR16	27-Apr-16	2030	2033	---	---	---	---	---	---	---	---
17	CA10024-MAY16	04-May-16	2030	2040	---	---	---	---	---	---	---	---
18	CA10061-MAY16	11-May-16	2030	2031	---	---	---	---	---	---	---	---
19	CA10103-MAY16	18-May-16	2030	2020	---	---	---	---	---	---	---	---
20	CA10138-MAY16	25-May-16	2030	2042	0.00305	0.109	0.00014	0.00073	0.000025	0.00133	0.0212	< 0.002
21	CA10006-JUN16	01-Jun-16	2030	2027	---	---	---	---	---	---	---	---
22	CA10038-JUN16	08-Jun-16	2030	2026	---	---	---	---	---	---	---	---
23	CA10069-JUN16	15-Jun-16	2030	2051	---	---	---	---	---	---	---	---
24	CA10100-JUN16	22-Jun-16	2030	2028	---	---	---	---	---	---	---	---
25	CA10138-JUN16	29-Jun-16	2030	2048	0.00336	0.0963	0.00010	0.00055	0.000024	0.00120	0.0198	< 0.002
26	CA10028-JUL16	06-Jul-16	2030	2041	---	---	---	---	---	---	---	---
27	CA10065-JUL16	13-Jul-16	2030	2045	---	---	---	---	---	---	---	---
28	CA10102-JUL16	20-Jul-16	2030	1983	---	---	---	---	---	---	---	---
29	CA10136-JUL16	27-Jul-16	2030	2037	---	---	---	---	---	---	---	---
30	CA10033-AUG16	03-Aug-16	2030	2084	0.00317	0.0962	0.00008	0.00048	0.000027	0.00102	0.0190	< 0.002
31	CA10068-AUG16	10-Aug-16	2030	2048	---	---	---	---	---	---	---	---
32	CA10103-AUG16	17-Aug-16	2030	2044	---	---	---	---	---	---	---	---
33	CA10139-AUG16	24-Aug-16	2030	2027	---	---	---	---	---	---	---	---
34	CA10175-AUG16	31-Aug-16	2030	2041	---	---	---	---	---	---	---	---
35	CA10028-SEP16	07-Sep-16	2030	2043	0.00228	0.103	0.00015	0.00049	0.000032	0.00135	0.0219	< 0.002
36	CA10064-SEP16	14-Sep-16	2030	2023	---	---	---	---	---	---	---	---
37	CA10104-SEP16	21-Sep-16	2030	2023	---	---	---	---	---	---	---	---
38	CA10139-SEP16	28-Sep-16	2030	2060	---	---	---	---	---	---	---	---
39	CA10006-OCT16	05-Oct-16	2030	2021	---	---	---	---	---	---	---	---
40	CA10070-OCT16	12-Oct-16	2030	2049	0.00237	0.103	0.00004	0.00049	0.000029	0.00125	0.0200	< 0.002
41	CA10097-OCT16	19-Oct-16	2030	1917	---	---	---	---	---	---	---	---
42	CA10132-OCT16	26-Oct-16	2030	1987	---	---	---	---	---	---	---	---
43	CA10024-NOV16	02-Nov-16	2030	1906	---	---	---	---	---	---	---	---
44	CA10059-NOV16	09-Nov-16	2030	2092	---	---	---	---	---	---	---	---
45	CA10093-NOV16	16-Nov-16	2030	1949	0.00253	0.104	0.00004	0.00057	0.000032	0.000744	0.0174	< 0.002
46	CA10126-NOV16	23-Nov-16	2030	1984	---	---	---	---	---	---	---	---
47	CA10167-NOV16	30-Nov-16	2030	1964	---	---	---	---	---	---	---	---
48	CA10022-DEC16	07-Dec-16	2030	2012	---	---	---	---	---	---	---	---
49	CA10053-DEC16	14-Dec-16	2030	1960	---	---	---	---	---	---	---	---
50	CA10085-DEC16	21-Dec-16	2030	2007	0.00282	0.121	0.00001	0.00032	0.000038	0.00129	0.0216	< 0.002
51	CA10116-DEC16	28-Dec-16	2030	2056	---	---	---	---	---	---	---	---
52	CA10022-JAN17	04-Jan-17	2030	1913	---	---	---	---	---	---	---	---
53	CA10054-JAN17	11-Jan-17	2030	1987	---	---	---	---	---	---	---	---
54	CA10088-JAN17	18-Jan-17	2030	1982	---	---	---	---	---	---	---	---
55	CA10124-JAN17	25-Jan-17	2030	2019	0.00208	0.111	0.00011	0.00034	0.000033	0.00136	0.0229	< 0.002

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #7 Whale Tail
Weight: 20.3kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	Sulphate	Calcium	Chloride	Fluoride	Mercury	Silver
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10009-FEB17	01-Feb-17	2030	2115	8.12	< 2	38	98	6	9.01	---	---	---	---
57	CA10045-FEB17	08-Feb-17	2030	2010	8.09	< 2	35	86	5	7.74	---	---	---	---
58	CA10090-FEB17	15-Feb-17	2030	1950	8.12	< 2	39	95	6	8.75	---	---	---	---
59	CA10127-FEB17	22-Feb-17	2030	1989	8.30	< 2	37	93	5	8.21	---	---	---	---
60	CA10010-MAR17	01-Mar-17	2030	2038	8.36	< 2	38	96	5	8.44	< 1	0.07	< 0.00001	< 0.00005
61	CA10047-MAR17	08-Mar-17	2030	1987	8.05	< 2	30	76	4	6.89	---	---	---	---
62	CA10083-MAR17	15-Mar-17	2030	1966	8.08	< 2	30	75	4	6.80	---	---	---	---
63	CA10122-MAR17	22-Mar-17	2030	2008	7.92	< 2	37	93	5	8.63	---	---	---	---
64	CA10157-MAR17	29-Mar-17	2030	1998	8.30	< 2	36	89	5	8.19	---	---	---	---
65	CA10028-APR17	05-Apr-17	2030	1959	8.26	< 2	35	90	5	7.99	< 1	< 0.06	< 0.00001	< 0.00005
66	CA10066-APR17	12-Apr-17	2030	1996	7.94	< 2	31	76	4	7.96	---	---	---	---
67	CA10103-APR17	19-Apr-17	2030	1982	8.03	< 2	30	72	3	6.85	---	---	---	---
68	CA10140-APR17	26-Apr-17	2030	1950	8.08	< 2	34	82	4	7.85	---	---	---	---
69	CA10027-MAY17	03-May-17	2030	2012	8.08	< 2	34	81	4	8.05	---	---	---	---
70	CA10065-MAY17	10-May-17	2030	2011	8.09	< 2	40	93	5	8.63	< 1	< 0.06	< 0.00001	< 0.00005
71	CA10101-MAY17	17-May-17	2030	1949	8.12	< 2	29	65	3	6.30	---	---	---	---
72	CA10137-MAY17	24-May-17	2030	2042	7.97	< 2	27	68	3	6.41	---	---	---	---
73	CA10173-MAY17	31-May-17	2030	1944	8.02	< 2	31	71	3	6.84	---	---	---	---
74	CA10026-JUN17	07-Jun-17	2030	2002	7.89	< 2	31	72	3	6.81	---	---	---	---
75	CA10067-JUN17	14-Jun-17	2030	1953	8.28	< 2	44	93	5	8.1	< 1	< 0.06	< 0.00001	< 0.00005
On Hold														

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #7 Whale Tail
Weight: 20.3kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Aluminum	Arsenic	As3+	As5+	Barium	Beryllium	Boron	Bismuth	Cadmium	Cobalt	Chromium
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
56	CA10009-FEB17	01-Feb-17	2030	2115	---	---	---	---	---	---	---	---	---	---	---
57	CA10045-FEB17	08-Feb-17	2030	2010	---	---	---	---	---	---	---	---	---	---	---
58	CA10090-FEB17	15-Feb-17	2030	1950	---	---	---	---	---	---	---	---	---	---	---
59	CA10127-FEB17	22-Feb-17	2030	1989	---	---	---	---	---	---	---	---	---	---	---
60	CA10010-MAR17	01-Mar-17	2030	2038	0.038	0.921	---	---	0.144	< 0.000007	0.003	< 0.000007	0.000003	0.000083	0.00040
61	CA10047-MAR17	08-Mar-17	2030	1987	---	---	---	---	---	---	---	---	---	---	---
62	CA10083-MAR17	15-Mar-17	2030	1966	---	---	---	---	---	---	---	---	---	---	---
63	CA10122-MAR17	22-Mar-17	2030	2008	---	---	---	---	---	---	---	---	---	---	---
64	CA10157-MAR17	29-Mar-17	2030	1998	---	---	---	---	---	---	---	---	---	---	---
65	CA10028-APR17	05-Apr-17	2030	1959	0.038	0.742	---	---	0.168	< 0.000007	< 0.002	< 0.000007	0.000017	0.000094	0.00045
66	CA10066-APR17	12-Apr-17	2030	1996	---	---	---	---	---	---	---	---	---	---	---
67	CA10103-APR17	19-Apr-17	2030	1982	---	---	---	---	---	---	---	---	---	---	---
68	CA10140-APR17	26-Apr-17	2030	1950	---	---	---	---	---	---	---	---	---	---	---
69	CA10027-MAY17	03-May-17	2030	2012	---	0.673	<0.0005	0.66	---	---	---	---	---	---	---
70	CA10065-MAY17	10-May-17	2030	2011	0.038	0.949	<0.0005	0.89	0.160	< 0.000007	0.004	< 0.000007	< 0.000003	0.000060	0.00049
71	CA10101-MAY17	17-May-17	2030	1949	---	---	---	---	---	---	---	---	---	---	---
72	CA10137-MAY17	24-May-17	2030	2042	---	---	---	---	---	---	---	---	---	---	---
73	CA10173-MAY17	31-May-17	2030	1944	---	---	---	---	---	---	---	---	---	---	---
74	CA10026-JUN17	07-Jun-17	2030	2002	---	---	---	---	---	---	---	---	---	---	---
75	CA10067-JUN17	14-Jun-17	2030	1953	0.028	0.686	---	---	0.170	< 0.000007	< 0.002	< 0.000007	0.000003	0.000062	0.00043
On Hold															

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #7 Whale Tail
Weight: 20.3kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10009-FEB17	01-Feb-17	2030	2115	---	---	---	---	---	---	---	---	---	---	---	---
57	CA10045-FEB17	08-Feb-17	2030	2010	---	---	---	---	---	---	---	---	---	---	---	---
58	CA10090-FEB17	15-Feb-17	2030	1950	---	---	---	---	---	---	---	---	---	---	---	---
59	CA10127-FEB17	22-Feb-17	2030	1989	---	---	---	---	---	---	---	---	---	---	---	---
60	CA10010-MAR17	01-Mar-17	2030	2038	0.00031	0.010	12.0	0.0036	1.66	0.00333	0.00080	0.14	0.0003	0.019	0.00005	0.0032
61	CA10047-MAR17	08-Mar-17	2030	1987	---	---	---	---	---	---	---	---	---	---	---	---
62	CA10083-MAR17	15-Mar-17	2030	1966	---	---	---	---	---	---	---	---	---	---	---	---
63	CA10122-MAR17	22-Mar-17	2030	2008	---	---	---	---	---	---	---	---	---	---	---	---
64	CA10157-MAR17	29-Mar-17	2030	1998	---	---	---	---	---	---	---	---	---	---	---	---
65	CA10028-APR17	05-Apr-17	2030	1959	0.0113	0.011	11.6	0.0037	1.62	0.00240	0.00092	0.13	0.0004	0.020	0.00009	0.0030
66	CA10066-APR17	12-Apr-17	2030	1996	---	---	---	---	---	---	---	---	---	---	---	---
67	CA10103-APR17	19-Apr-17	2030	1982	---	---	---	---	---	---	---	---	---	---	---	---
68	CA10140-APR17	26-Apr-17	2030	1950	---	---	---	---	---	---	---	---	---	---	---	---
69	CA10027-MAY17	03-May-17	2030	2012	---	---	---	---	---	---	---	---	---	---	---	---
70	CA10065-MAY17	10-May-17	2030	2011	0.00032	0.013	12.0	0.0038	1.82	0.00266	0.00115	0.18	0.0003	0.026	0.00005	0.0031
71	CA10101-MAY17	17-May-17	2030	1949	---	---	---	---	---	---	---	---	---	---	---	---
72	CA10137-MAY17	24-May-17	2030	2042	---	---	---	---	---	---	---	---	---	---	---	---
73	CA10173-MAY17	31-May-17	2030	1944	---	---	---	---	---	---	---	---	---	---	---	---
74	CA10026-JUN17	07-Jun-17	2030	2002	---	---	---	---	---	---	---	---	---	---	---	---
75	CA10067-JUN17	14-Jun-17	2030	1953	0.00053	0.009	10.5	0.0033	1.69	0.00198	0.00106	0.15	0.0003	0.012	0.00006	0.0027
On Hold																

Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #7 Whale Tail
Weight: 20.3kg
Cell Type Wasterock

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Selenium	Strontium	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
56	CA10009-FEB17	01-Feb-17	2030	2115	---	---	---	---	---	---	---	---
57	CA10045-FEB17	08-Feb-17	2030	2010	---	---	---	---	---	---	---	---
58	CA10090-FEB17	15-Feb-17	2030	1950	---	---	---	---	---	---	---	---
59	CA10127-FEB17	22-Feb-17	2030	1989	---	---	---	---	---	---	---	---
60	CA10010-MAR17	01-Mar-17	2030	2038	0.00212	0.106	0.00011	0.00048	0.000024	0.00107	0.0214	< 0.002
61	CA10047-MAR17	08-Mar-17	2030	1987	---	---	---	---	---	---	---	---
62	CA10083-MAR17	15-Mar-17	2030	1966	---	---	---	---	---	---	---	---
63	CA10122-MAR17	22-Mar-17	2030	2008	---	---	---	---	---	---	---	---
64	CA10157-MAR17	29-Mar-17	2030	1998	---	---	---	---	---	---	---	---
65	CA10028-APR17	05-Apr-17	2030	1959	0.00176	0.101	0.00005	0.00049	0.000086	0.00128	0.0203	< 0.002
66	CA10066-APR17	12-Apr-17	2030	1996	---	---	---	---	---	---	---	---
67	CA10103-APR17	19-Apr-17	2030	1982	---	---	---	---	---	---	---	---
68	CA10140-APR17	26-Apr-17	2030	1950	---	---	---	---	---	---	---	---
69	CA10027-MAY17	03-May-17	2030	2012	---	---	---	---	---	---	---	---
70	CA10065-MAY17	10-May-17	2030	2011	0.00234	0.118	0.00009	0.00037	0.000035	0.00122	0.0213	< 0.002
71	CA10101-MAY17	17-May-17	2030	1949	---	---	---	---	---	---	---	---
72	CA10137-MAY17	24-May-17	2030	2042	---	---	---	---	---	---	---	---
73	CA10173-MAY17	31-May-17	2030	1944	---	---	---	---	---	---	---	---
74	CA10026-JUN17	07-Jun-17	2030	2002	---	---	---	---	---	---	---	---
75	CA10067-JUN17	14-Jun-17	2030	1953	0.00173	0.107	0.00032	0.00044	0.000031	0.00105	0.0165	< 0.002
On Hold												

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 1 (bottom) - below rock/water interface via porous cup

Analyte			Leachate Volume Collected (mL)	pH	Conductivity	Alkalinity	Acidity	Fluoride	Chloride	Sulphate	Nitrite (as N)	Nitrate (as N)	Mercury
Sample Event	LIMS	Sample Date	mL	units	uS/cm	mg/L as CaCO3	mg/L as CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	717	8.13	177	36	< 2	0.11	11	22	< 0.03	< 0.06	< 0.00001
Day 3	CA10074-JAN16	15-Jan-16	788	8.45	157	37	< 2	0.12	9	20	< 0.03	< 0.06	< 0.00001
Day 6	CA10076-JAN16	18-Jan-16	777	8.02	159	39	< 2	0.13	7	23	< 0.03	< 0.06	< 0.00001
Day 10	CA10077-JAN16	22-Jan-16	770	7.96	150	37	< 2	0.13	5	21	< 0.03	< 0.06	< 0.00001
Day 15	CA10141-JAN16	27-Jan-16	725	7.95	135	39	< 2	0.15	4	20	< 0.03	< 0.06	< 0.00001
Day 20	CA10000-FEB16	01-Feb-16	726	7.88	142	41	< 2	0.12	3	15	< 0.03	< 0.06	< 0.00001
Day 27	CA10042-FEB16	08-Feb-16	788	8.01	146	43	< 2	0.12	3	18	< 0.03	< 0.06	< 0.00001
Week 5	CA10107-FEB16	17-Feb-16	728	7.92	143	43	< 2	0.11	3	17	< 0.03	< 0.06	< 0.00001
Week 7	CA10021-MAR16	02-Mar-16	707	8.17	156	46	< 2	0.11	2	16	< 0.03	< 0.06	< 0.00001
Week 10	CA10153-MAR16	23-Mar-16	714	8.12	147	50	< 2	0.11	2	16	< 0.03	< 0.06	< 0.00001
Week 15	CA10130-APR16	27-Apr-16	757	8.11	148	52	< 2	0.11	3	15	< 0.03	< 0.06	< 0.00001
Week 20	CA10000-JUN16	01-Jun-16	729	8.24	162	56	< 2	0.12	2	17	< 0.03	< 0.06	< 0.00001

Analyte			---	---	---	---	---	---	---	---	---	---	Mercury
Sample Event	LIMS	Sample Date	---	---	---	---	---	---	---	---	---	---	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 3	CA10074-JAN16	15-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 6	CA10076-JAn16	18-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 10	CA10077-JAN16	22-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 15	CA10141-JAN16	27-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 20	CA10000-FEB16	01-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 25	CA10042-FEB16	08-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 5	CA10107-FEB16	17-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 7	CA10021-MAR16	02-Mar-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 10	CA10153-MAR16	23-Mar-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 15	CA10130-APR16	27-Apr-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 20	CA10000-JUN16	01-Jun-16	---	---	---	---	---	---	---	---	---	---	< 0.00001

Submerged Column Results

Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 1 (bottom) - below rock/water interface via porous cup

Analyte			Leachate Volume Collected (mL)	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper
Sample Event	LIMS	Sample Date	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	717	0.000009	0.032	1.55	0.0026	< 0.000007	0.0504	0.000031	7.29	< 0.000003	0.000339	0.00102	0.00158
Day 3	CA10074-JAN16	15-Jan-16	788	0.000011	0.042	2.32	0.00748	< 0.000007	0.0668	< 0.000007	8.71	0.000011	0.000379	0.00091	0.00048
Day 6	CA10076-JAN16	18-Jan-16	777	0.000004	0.035	2.05	0.0110	< 0.000007	0.0551	< 0.000007	8.58	0.000005	0.000419	0.00076	0.00033
Day 10	CA10077-JAN16	22-Jan-16	770	0.000004	0.037	2.00	0.0136	< 0.000007	0.0534	< 0.000007	8.93	0.000006	0.000501	0.00015	0.00062
Day 15	CA10141-JAN16	27-Jan-16	725	< 0.000002	0.038	1.89	0.0155	< 0.000007	0.052	< 0.000007	8.89	< 0.000003	0.000468	0.00012	0.00059
Day 20	CA10000-FEB16	01-Feb-16	726	< 0.000002	0.039	1.66	0.0159	< 0.000007	0.048	0.000009	8.72	< 0.000003	0.000447	0.00022	0.00017
Day 27	CA10042-FEB16	08-Feb-16	788	< 0.000002	0.043	1.51	0.0163	< 0.000007	0.047	< 0.000007	9.60	0.000004	0.000435	0.00028	< 0.00002
Week 5	CA10107-FEB16	17-Feb-16	728	< 0.000002	0.035	1.57	0.0181	< 0.000007	0.040	< 0.000007	10.2	0.000007	0.000450	0.00026	0.00010
Week 7	CA10021-MAR16	02-Mar-16	707	< 0.000002	0.039	1.60	0.0193	< 0.000007	0.045	< 0.000007	11.2	0.000008	0.000428	0.00014	0.00015
Week 10	CA10153-MAR16	23-Mar-16	714	< 0.000002	0.037	1.68	0.0191	< 0.000007	0.044	< 0.000007	11.4	0.000010	0.000453	0.00022	0.00006
Week 15	CA10130-APR16	27-Apr-16	757	0.000002	0.040	1.82	0.0214	< 0.000007	0.050	0.000007	12.7	0.000004	0.000458	0.00013	0.00018
Week 20	CA10000-JUN16	01-Jun-16	729	< 0.000002	0.030	1.98	0.0244	< 0.000007	0.045	< 0.000007	13.4	0.000003	0.000466	0.00015	0.00006

Analyte			---	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper
Sample Event	LIMS	Sample Date	---	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	0.000011	0.025	1.68	0.00239	< 0.000007	0.0466	0.000016	6.53	0.000006	0.000229	0.0011	0.00127
Day 3	CA10074-JAN16	15-Jan-16	---	0.000009	0.032	2.39	0.00695	< 0.000007	0.0467	< 0.000007	8.14	0.000010	0.000306	0.00048	0.00021
Day 6	CA10076-JAn16	18-Jan-16	---	0.000002	0.029	2.14	0.0102	< 0.000007	0.0540	< 0.000007	8.31	< 0.000003	0.000421	0.00012	0.00034
Day 10	CA10077-JAN16	22-Jan-16	---	0.000004	0.032	2.22	0.01315	< 0.000007	0.0538	< 0.000007	8.89	< 0.000003	0.000472	< 0.00003	0.00046
Day 15	CA10141-JAN16	27-Jan-16	---	0.000003	0.035	2.07	0.0139	< 0.000007	0.0516	0.000008	8.36	0.000004	0.000392	0.00005	0.00027
Day 20	CA10000-FEB16	01-Feb-16	---	< 0.000002	0.036	1.76	0.0151	< 0.000007	0.0464	< 0.000007	8.34	0.000004	0.000421	0.00007	< 0.00002
Day 25	CA10042-FEB16	08-Feb-16	---	< 0.000002	0.036	1.70	0.0158	< 0.000007	0.0463	< 0.000007	9.00	0.000003	0.000414	0.00005	0.00042
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.000002	0.033	1.69	0.0180	< 0.000007	0.0387	< 0.000007	9.73	< 0.000003	0.000418	0.00006	0.00029
Week 7	CA10021-MAR16	02-Mar-16	---	< 0.000002	0.038	1.53	0.0182	< 0.000007	0.0481	< 0.000007	10.4	0.000007	0.000407	0.00006	0.00009
Week 10	CA10153-MAR16	23-Mar-16	---	< 0.000002	0.033	1.71	0.0187	< 0.000007	0.0402	< 0.000007	11.7	0.000006	0.000458	0.00005	0.00004
Week 15	CA10130-APR16	27-Apr-16	---	0.000003	0.034	2.03	0.0199	< 0.000007	0.0435	< 0.000007	11.8	0.000009	0.000458	0.00007	0.00060
Week 20	CA10000-JUN16	01-Jun-16	---	< 0.000002	0.027	2.16	0.0224	0.000009	0.0453	< 0.000007	13.1	0.000003	0.000467	0.00006	0.00037

Submerged Column Results

Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 1 (bottom) - below rock/water interface via porous cup

Total Metals

Analyte			Leachate Volume Collected (mL)	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon
Sample Event	LIMS	Sample Date	mL	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
Day 1	CA10073-JAN16	13-Jan-16	717	0.008	20.6	0.16	3.98	0.00111	0.0107	6.06	0.0112	0.019	0.00021	0.0451	0.00053	3.56
Day 3	CA10074-JAN16	15-Jan-16	788	0.445	22.9	0.0196	3.91	0.00509	0.00397	5.05	0.0097	0.017	0.00054	0.0581	0.00054	4.36
Day 6	CA10076-JAN16	18-Jan-16	777	0.028	20.4	0.0115	3.52	0.00232	0.00308	4.31	0.0060	0.009	0.00039	0.0513	0.00051	4.33
Day 10	CA10077-JAN16	22-Jan-16	770	0.010	19.0	0.00997	3.60	0.00279	0.00326	3.89	0.0053	0.008	0.00013	0.0502	0.00041	4.33
Day 15	CA10141-JAN16	27-Jan-16	725	< 0.007	18.0	0.00855	3.53	0.00386	0.00282	3.60	0.0041	0.006	0.00007	0.0398	0.00034	4.13
Day 20	CA10000-FEB16	01-Feb-16	726	0.010	16.6	0.00764	3.40	0.00489	0.00278	3.27	0.0038	0.004	0.00004	0.0225	0.00035	3.94
Day 27	CA10042-FEB16	08-Feb-16	788	0.015	16.8	0.00734	3.38	0.00591	0.00291	3.14	0.0038	0.010	0.00003	0.0114	0.00020	3.93
Week 5	CA10107-FEB16	17-Feb-16	728	0.010	16.0	0.00567	3.34	0.00683	0.00331	2.91	0.0041	0.007	0.00004	0.0096	0.00021	3.25
Week 7	CA10021-MAR16	02-Mar-16	707	< 0.007	16.7	0.00623	3.79	0.00798	0.00337	3.13	0.0037	0.005	0.00002	0.0086	0.00013	3.72
Week 10	CA10153-MAR16	23-Mar-16	714	< 0.007	17.0	0.00581	3.81	0.00901	0.00337	3.20	0.0034	0.007	0.00003	0.0092	0.00009	3.46
Week 15	CA10130-APR16	27-Apr-16	757	0.022	17.5	0.00592	4.16	0.0101	0.00338	3.19	0.0035	0.007	0.00004	0.0103	0.00009	3.81
Week 20	CA10000-JUN16	01-Jun-16	729	0.012	17.9	0.00587	4.43	0.0104	0.00315	3.43	0.0036	0.007	0.00003	0.0109	0.00011	3.87

Dissolved Metals

Analyte			---	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon
Sample Event	LIMS	Sample Date	---	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
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.007	19.8	0.158	3.89	0.00068	0.0097	5.8	0.0107	0.027	0.00011	0.0453	0.00085	3.19
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.007	22.1	0.0192	3.70	0.00175	0.00331	4.70	0.0071	0.012	0.00013	0.0538	0.00161	4.18
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.007	20.2	0.0113	3.56	0.00190	0.00274	4.34	0.0059	0.010	0.00012	0.0511	0.00067	4.18
Day 10	CA10077-JAN16	22-Jan-16	---	< 0.007	18.2	0.00986	3.61	0.00240	0.00267	3.78	0.0050	0.009	0.00010	0.0522	0.00090	4.42
Day 15	CA10141-JAN16	27-Jan-16	---	< 0.007	17.6	0.00902	3.55	0.00361	0.00427	3.47	0.0038	0.007	0.00004	0.0376	0.00066	4.03
Day 20	CA10000-FEB16	01-Feb-16	---	< 0.007	15.9	0.00746	3.26	0.00438	0.00253	3.14	0.0036	0.009	0.00005	0.0203	0.00045	3.77
Day 25	CA10042-FEB16	08-Feb-16	---	< 0.007	16.4	0.00720	3.33	0.00541	0.00286	3.00	0.0036	0.006	0.00003	0.0116	0.00038	3.85
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.007	15.9	0.00556	3.37	0.00627	0.00316	2.82	0.0037	0.004	0.00004	0.0081	0.00028	3.16
Week 7	CA10021-MAR16	02-Mar-16	---	< 0.007	16.8	0.00662	3.81	0.00760	0.00314	3.12	0.0035	0.007	0.00002	0.0078	0.00022	3.45
Week 10	CA10153-MAR16	23-Mar-16	---	< 0.007	16.5	0.00573	3.74	0.00871	0.00328	3.14	0.0034	0.004	0.00003	0.0101	0.00017	3.69
Week 15	CA10130-APR16	27-Apr-16	---	< 0.007	16.8	0.00574	4.05	0.00986	0.00305	3.13	0.0034	0.006	0.00009	0.0091	0.00011	3.74
Week 20	CA10000-JUN16	01-Jun-16	---	< 0.007	17.6	0.00599	4.30	0.00999	0.00304	3.30	0.0035	0.006	0.00004	0.0094	0.00010	3.85

Submerged Column Results

Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 1 (bottom) - below rock/water interface via porous cup

Analyte			Leachate Volume Collected (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Event	LIMS	Sample Date	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	717	0.00031	0.0006	0.000008	0.000333	0.167	0.004
Day 3	CA10074-JAN16	15-Jan-16	788	0.00019	0.00048	< 0.000005	0.000582	0.0339	0.006
Day 6	CA10076-JAN16	18-Jan-16	777	0.00014	0.00039	0.000012	0.000688	0.023	< 0.002
Day 10	CA10077-JAN16	22-Jan-16	770	0.00007	0.00022	0.000013	0.000802	0.0207	0.013
Day 15	CA10141-JAN16	27-Jan-16	725	0.00005	0.00011	< 0.000005	0.000771	0.0143	< 0.002
Day 20	CA10000-FEB16	01-Feb-16	726	0.00006	0.00018	0.000008	0.000697	0.0114	< 0.002
Day 27	CA10042-FEB16	08-Feb-16	788	0.00008	0.00042	< 0.000005	0.000695	0.0095	< 0.002
Week 5	CA10107-FEB16	17-Feb-16	728	< 0.00001	0.00021	0.000006	0.000842	0.00846	< 0.002
Week 7	CA10021-MAR16	02-Mar-16	707	0.00006	0.00007	< 0.000005	0.000759	0.00854	< 0.002
Week 10	CA10153-MAR16	23-Mar-16	714	0.00003	0.00015	0.000007	0.00082	0.00793	< 0.002
Week 15	CA10130-APR16	27-Apr-16	757	0.00010	0.00049	< 0.000005	0.00088	0.00837	< 0.002
Week 20	CA10000-JUN16	01-Jun-16	729	0.00003	0.00022	0.000009	0.00101	0.00686	< 0.002

Analyte			---	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Event	LIMS	Sample Date	---	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	0.00028	0.00018	< 0.000005	0.000305	0.16	0.004
Day 3	CA10074-JAN16	15-Jan-16	---	0.00005	0.00016	< 0.000005	0.000549	0.033	< 0.002
Day 6	CA10076-JAn16	18-Jan-16	---	0.00002	0.00025	0.000011	0.000641	0.0223	< 0.002
Day 10	CA10077-JAN16	22-Jan-16	---	0.00007	< 0.00005	0.000010	0.000759	0.0199	< 0.002
Day 15	CA10141-JAN16	27-Jan-16	---	0.00004	0.00008	0.000008	0.000938	0.0135	< 0.002
Day 20	CA10000-FEB16	01-Feb-16	---	0.00001	0.00005	0.000009	0.000681	0.0111	< 0.002
Day 25	CA10042-FEB16	08-Feb-16	---	0.00006	0.00008	< 0.000005	0.000672	0.0092	< 0.002
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.00001	0.00006	< 0.000005	0.000812	0.00855	< 0.002
Week 7	CA10021-MAR16	02-Mar-16	---	0.00005	0.00005	< 0.000005	0.000712	0.00854	< 0.002
Week 10	CA10153-MAR16	23-Mar-16	---	< 0.00001	0.00010	0.000005	0.000753	0.00812	< 0.002
Week 15	CA10130-APR16	27-Apr-16	---	< 0.00001	0.00005	< 0.000005	0.000776	0.00809	< 0.002
Week 20	CA10000-JUN16	01-Jun-16	---	0.00003	< 0.00005	0.000007	0.000916	0.00666	< 0.002

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 2 (middle) - just above rock/water interface

Analyte			Leachate Volume Collected (mL)	pH	Conductivity	Alkalinity	Acidity	Fluoride	Chloride	Sulphate	Nitrite (as N)	Nitrate (as N)	Mercury
Sample Event	LIMS	Sample Date	mL	units	uS/cm	mg/L as CaCO3	mg/L as CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	764	6.98	13	4	< 2	< 0.06	< 1	1	< 0.03	< 0.06	< 0.00001
Day 3	CA10074-JAN16	15-Jan-16	769	7.20	17	12	< 2	< 0.06	< 1	1	< 0.03	< 0.06	< 0.00001
Day 6	CA10076-JAN16	18-Jan-16	775	7.25	25	8	< 2	< 0.06	< 1	2	< 0.03	< 0.06	< 0.00001
Day 10	CA10077-JAN16	22-Jan-16	766	7.24	23	7	< 2	< 0.06	< 1	2	< 0.03	< 0.06	< 0.00001
Day 15	CA10141-JAN16	27-Jan-16	790	7.29	28	11	< 2	0.06	< 1	3	< 0.03	< 0.06	< 0.00001
Day 20	CA10000-FEB16	01-Feb-16	779	7.45	35	15	< 2	< 0.06	< 1	3	< 0.03	< 0.06	< 0.00001
Day 27	CA10042-FEB16	08-Feb-16	751	7.48	40	14	< 2	< 0.06	< 1	3	< 0.03	< 0.06	< 0.00001
Week 5	CA10107-FEB16	17-Feb-16	754	7.53	63	16	< 2	< 0.06	< 1	3	< 0.03	< 0.06	< 0.00001
Week 7	CA10021-MAR16	02-Mar-16	777	7.56	111	22	< 2	< 0.06	< 1	4	< 0.03	< 0.06	< 0.00001
Week 10	CA10153-MAR16	23-Mar-16	799	7.70	64	24	< 2	< 0.06	< 1	5	< 0.03	< 0.06	< 0.00001
Week 15	CA10130-APR16	27-Apr-16	759	7.94	78	31	< 2	< 0.06	1	6	< 0.03	< 0.06	< 0.00001
Week 20	CA10000-JUN16	01-Jun-16	779	7.90	90	34	< 2	0.06	1	7	< 0.03	< 0.06	< 0.00001

Analyte			---	---	---	---	---	---	---	---	---	---	Mercury
Sample Event	LIMS	Sample Date	---	---	---	---	---	---	---	---	---	---	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 3	CA10074-JAN16	15-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 6	CA10076-JAn16	18-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 10	CA10077-JAN16	22-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 15	CA10141-JAN16	27-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 20	CA10000-FEB16	01-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 25	CA10042-FEB16	08-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 5	CA10107-FEB16	17-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 7	CA10021-MAR16	02-Mar-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 10	CA10153-MAR16	23-Mar-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 15	CA10130-APR16	27-Apr-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 20	CA10000-JUN16	01-Jun-16	---	---	---	---	---	---	---	---	---	---	< 0.00001

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 2 (middle) - just above rock/water interface

Analyte			Leachate Volume Collected (mL)	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper
Sample Event	LIMS	Sample Date	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	764	< 0.000002	0.167	0.0242	0.00307	< 0.000007	0.0038	< 0.000007	1.18	< 0.000003	0.00018	0.00796	0.00022
Day 3	CA10074-JAN16	15-Jan-16	769	< 0.000002	0.077	0.0652	0.00381	< 0.000007	0.0128	< 0.000007	1.68	0.000010	0.000129	0.00330	0.00010
Day 6	CA10076-JAN16	18-Jan-16	775	< 0.000002	0.049	0.144	0.00436	< 0.000007	0.0036	< 0.000007	1.98	< 0.000003	0.000099	0.00171	0.00016
Day 10	CA10077-JAN16	22-Jan-16	766	0.000002	0.034	0.172	0.00513	< 0.000007	0.0082	< 0.000007	2.28	0.000003	0.000111	0.00087	0.00029
Day 15	CA10141-JAN16	27-Jan-16	790	< 0.000002	0.025	0.260	0.00663	< 0.000007	0.005	< 0.000007	2.89	0.000005	0.000106	0.00045	0.00040
Day 20	CA10000-FEB16	01-Feb-16	779	< 0.000002	0.027	0.338	0.00768	< 0.000007	0.006	< 0.000007	3.23	< 0.000003	0.000142	0.00062	0.00028
Day 27	CA10042-FEB16	08-Feb-16	751	< 0.000002	0.026	0.403	0.00880	< 0.000007	0.005	< 0.000007	3.77	< 0.000003	0.000159	0.00042	< 0.00002
Week 5	CA10107-FEB16	17-Feb-16	754	< 0.000002	0.025	0.531	0.0113	< 0.000007	< 0.002	< 0.000007	4.68	0.000003	0.000210	0.00066	0.00024
Week 7	CA10021-MAR16	02-Mar-16	777	< 0.000002	0.023	0.629	0.0128	< 0.000007	0.006	< 0.000007	5.37	< 0.000003	0.000264	0.00030	0.00014
Week 10	CA10153-MAR16	23-Mar-16	799	< 0.000002	0.020	0.88	0.0152	< 0.000007	0.011	< 0.000007	6.51	0.000006	0.000387	0.00026	0.00014
Week 15	CA10130-APR16	27-Apr-16	759	0.000004	0.023	1.14	0.0185	< 0.000007	0.012	< 0.000007	8.45	< 0.000003	0.000394	0.00025	0.00015
Week 20	CA10000-JUN16	01-Jun-16	779	< 0.000002	0.015	1.32	0.0207	< 0.000007	0.013	< 0.000007	9.33	< 0.000003	0.000436	0.00016	0.00009

Analyte			---	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper
Sample Event	LIMS	Sample Date	---	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.000002	0.007	0.0232	0.00214	< 0.000007	0.0031	< 0.000007	1.09	< 0.000003	< 0.000004	< 0.00003	< 0.00002
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.000002	0.013	0.0704	0.00324	< 0.000007	0.0068	< 0.000007	1.57	0.000003	0.000033	0.00003	< 0.00002
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.000002	0.013	0.159	0.00408	< 0.000007	0.0066	< 0.000007	1.91	< 0.000003	0.000035	< 0.00003	0.00012
Day 10	CA10077-JAN16	22-Jan-16	---	< 0.000002	0.014	0.187	0.00483	< 0.000007	0.0084	< 0.000007	2.16	0.000004	0.000059	< 0.00003	0.00028
Day 15	CA10141-JAN16	27-Jan-16	---	< 0.000002	0.015	0.284	0.00603	< 0.000007	0.0110	< 0.000007	2.70	< 0.000003	0.000062	0.00005	0.00007
Day 20	CA10000-FEB16	01-Feb-16	---	< 0.000002	0.016	0.359	0.00732	< 0.000007	0.0059	< 0.000007	3.10	0.000004	0.000093	0.00008	< 0.00002
Day 25	CA10042-FEB16	08-Feb-16	---	< 0.000002	0.018	0.432	0.00854	< 0.000007	0.0050	< 0.000007	3.72	< 0.000003	0.000129	0.00008	0.00023
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.000002	0.018	0.584	0.0107	< 0.000007	0.0003	< 0.000007	4.41	< 0.000003	0.000157	0.00008	0.00011
Week 7	CA10021-MAR16	02-Mar-16	---	< 0.000002	0.017	0.63	0.0120	< 0.000007	0.0063	< 0.000007	5.24	< 0.000003	0.000195	0.00009	0.00008
Week 10	CA10153-MAR16	23-Mar-16	---	< 0.000002	0.015	0.84	0.0146	< 0.000007	0.0104	< 0.000007	6.29	0.000004	0.000338	0.00013	0.00016
Week 15	CA10130-APR16	27-Apr-16	---	< 0.000002	0.016	1.25	0.0181	< 0.000007	0.0119	< 0.000007	8.17	< 0.000003	0.000354	0.00010	0.00005
Week 20	CA10000-JUN16	01-Jun-16	---	< 0.000002	0.014	1.55	0.0202	< 0.000007	0.0139	< 0.000007	9.32	< 0.000003	0.000366	0.00010	0.00004

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 2 (middle) - just above rock/water interface

Total Metals

Analyte			Leachate Volume Collected (mL)	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon
Sample Event	LIMS	Sample Date	mL	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
Day 1	CA10073-JAN16	13-Jan-16	764	0.324	1.03	0.000381	0.421	0.0145	0.00044	0.22	0.0032	< 0.003	0.00004	0.0007	< 0.00004	0.5
Day 3	CA10074-JAN16	15-Jan-16	769	0.381	1.59	0.000302	0.368	0.0111	0.00030	0.26	0.0018	< 0.003	0.00026	0.0017	< 0.00004	0.36
Day 6	CA10076-JAN16	18-Jan-16	775	0.125	2.38	0.000259	0.429	0.00823	0.00009	0.34	0.0014	< 0.003	0.00006	0.0031	< 0.00004	0.54
Day 10	CA10077-JAN16	22-Jan-16	766	0.044	2.36	0.000295	0.449	0.00894	0.00038	0.31	0.0013	< 0.003	0.00002	0.0034	0.00004	0.42
Day 15	CA10141-JAN16	27-Jan-16	790	0.019	3.03	0.000360	0.557	0.00936	0.00018	0.35	0.0012	< 0.003	0.00003	0.0042	< 0.00004	0.47
Day 20	CA10000-FEB16	01-Feb-16	779	0.025	3.30	0.000467	0.612	0.0105	0.00023	0.36	0.0014	< 0.003	0.00002	0.0050	< 0.00004	0.56
Day 27	CA10042-FEB16	08-Feb-16	751	0.019	3.91	0.000563	0.685	0.0109	0.00023	0.40	0.0017	0.005	< 0.00001	0.0056	< 0.00004	0.65
Week 5	CA10107-FEB16	17-Feb-16	754	0.020	4.47	0.000581	0.826	0.0115	0.00030	0.45	0.0024	< 0.003	0.00003	0.0066	0.00005	0.54
Week 7	CA10021-MAR16	02-Mar-16	777	0.010	5.15	0.000712	0.956	0.0146	0.00036	0.47	0.0025	< 0.003	< 0.00001	0.0068	0.00004	0.59
Week 10	CA10153-MAR16	23-Mar-16	799	< 0.007	6.48	0.000849	1.18	0.0165	0.00051	0.58	0.0035	< 0.003	0.00002	0.0087	0.00005	0.92
Week 15	CA10130-APR16	27-Apr-16	759	0.016	8.27	0.00117	1.58	0.0167	0.00076	0.84	0.0048	< 0.003	< 0.00001	0.0105	0.00007	1.28
Week 20	CA10000-JUN16	01-Jun-16	779	< 0.007	9.22	0.00132	1.79	0.0121	0.00083	0.95	0.0052	< 0.003	0.00001	0.0125	0.00010	1.38

Dissolved Metals

Analyte			---	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon
Sample Event	LIMS	Sample Date	---	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
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.007	0.915	0.000261	0.156	0.0049	0.00056	0.15	0.0004	< 0.003	< 0.00001	0.0007	0.00006	0.09
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.007	1.57	0.000212	0.262	0.00621	0.00041	0.25	0.0005	< 0.003	0.00005	0.0018	0.00082	0.17
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.007	2.34	0.000228	0.361	0.00545	0.00017	0.33	0.0006	< 0.003	0.00003	0.0016	0.00014	0.33
Day 10	CA10077-JAN16	22-Jan-16	---	< 0.007	2.28	0.000283	0.410	0.0111	0.00044	0.31	0.0008	< 0.003	0.00002	0.0036	0.00047	0.33
Day 15	CA10141-JAN16	27-Jan-16	---	< 0.007	2.90	0.000386	0.525	0.00764	0.00111	0.33	0.0009	< 0.003	< 0.00001	0.0041	0.00013	0.42
Day 20	CA10000-FEB16	01-Feb-16	---	< 0.007	3.18	0.000430	0.575	0.00856	0.00022	0.32	0.0011	< 0.003	< 0.00001	0.0032	0.00011	0.50
Day 25	CA10042-FEB16	08-Feb-16	---	< 0.007	3.75	0.000484	0.644	0.00919	0.00024	0.37	0.0013	< 0.003	< 0.00001	0.0056	0.00006	0.62
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.007	4.27	0.000613	0.810	0.0100	0.00033	0.44	0.0019	< 0.003	< 0.00001	0.0051	0.00007	0.52
Week 7	CA10021-MAR16	02-Mar-16	---	< 0.007	5.38	0.000704	0.954	0.0128	0.00039	0.47	0.0023	< 0.003	0.00004	0.0059	0.00006	0.47
Week 10	CA10153-MAR16	23-Mar-16	---	< 0.007	6.48	0.000811	1.15	0.0154	0.00052	0.57	0.0033	< 0.003	< 0.00001	0.0094	0.00007	0.96
Week 15	CA10130-APR16	27-Apr-16	---	< 0.007	8.00	0.00115	1.54	0.0150	0.00071	0.79	0.0046	< 0.003	< 0.00001	0.0096	0.00010	1.27
Week 20	CA10000-JUN16	01-Jun-16	---	< 0.007	9.46	0.00147	1.81	0.0107	0.00075	0.99	0.0053	< 0.003	< 0.00001	0.0117	0.00011	1.42

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 2 (middle) - just above rock/water interface

Analyte			Leachate Volume Collected (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Event	LIMS	Sample Date	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	764	0.00005	0.0089	< 0.000005	0.000007	0.00099	< 0.002
Day 3	CA10074-JAN16	15-Jan-16	769	0.00018	0.00360	< 0.000005	0.000007	0.00087	< 0.002
Day 6	CA10076-JAN16	18-Jan-16	775	0.00005	0.00235	0.000005	0.00001	0.0014	< 0.002
Day 10	CA10077-JAN16	22-Jan-16	766	0.00005	0.00117	0.000010	0.000018	0.00145	< 0.002
Day 15	CA10141-JAN16	27-Jan-16	790	0.00010	0.00040	< 0.000005	0.00002	0.00182	< 0.002
Day 20	CA10000-FEB16	01-Feb-16	779	0.00006	0.00077	0.000014	0.000028	0.00207	< 0.002
Day 27	CA10042-FEB16	08-Feb-16	751	0.00008	0.00034	0.000010	0.00003	0.0023	< 0.002
Week 5	CA10107-FEB16	17-Feb-16	754	< 0.00001	0.00038	0.000014	0.000047	0.00278	< 0.002
Week 7	CA10021-MAR16	02-Mar-16	777	0.00005	0.00026	0.000012	0.000067	0.00305	< 0.002
Week 10	CA10153-MAR16	23-Mar-16	799	0.00003	0.00021	0.000020	0.000094	0.00349	0.002
Week 15	CA10130-APR16	27-Apr-16	759	0.00006	0.00067	0.000021	0.000155	0.0042	< 0.002
Week 20	CA10000-JUN16	01-Jun-16	779	< 0.00001	0.00006	0.000025	0.000197	0.00437	< 0.002

Analyte			---	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Event	LIMS	Sample Date	---	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.00001	< 0.00005	< 0.000005	0.000005	0.00037	< 0.002
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.00001	< 0.00005	< 0.000005	0.00001	0.00064	< 0.002
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.00001	< 0.00005	< 0.000005	0.000012	0.00124	< 0.002
Day 10	CA10077-JAN16	22-Jan-16	---	< 0.00001	< 0.00005	0.000007	0.000033	0.0013	< 0.002
Day 15	CA10141-JAN16	27-Jan-16	---	0.00004	< 0.00005	0.000008	0.000098	0.00164	< 0.002
Day 20	CA10000-FEB16	01-Feb-16	---	0.00005	< 0.00005	0.000014	0.000026	0.00198	< 0.002
Day 25	CA10042-FEB16	08-Feb-16	---	0.00006	< 0.00005	0.000010	0.000032	0.00215	< 0.002
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.00001	< 0.00005	0.000014	0.000048	0.0027	< 0.002
Week 7	CA10021-MAR16	02-Mar-16	---	0.00004	< 0.00005	0.000010	0.000071	0.00298	< 0.002
Week 10	CA10153-MAR16	23-Mar-16	---	0.00001	< 0.00005	0.000017	0.000099	0.00357	< 0.002
Week 15	CA10130-APR16	27-Apr-16	---	< 0.00001	0.00007	0.000014	0.000153	0.00398	< 0.002
Week 20	CA10000-JUN16	01-Jun-16	---	< 0.00001	< 0.00005	0.000026	0.000189	0.0043	< 0.002

Submerged Column Results

Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 2 (middle) Duplicate

Analyte			Leachate Volume Collected (mL)	pH	Conductivity	Alkalinity	Acidity	Fluoride	Chloride	Sulphate	Nitrite (as N)	Nitrate (as N)	Mercury
Sample Event	LIMS	Sample Date	mL	units	uS/cm	mg/L as CaCO3	mg/L as CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	776	7.02	14	5	< 2	< 0.06	< 1	1	< 0.03	< 0.06	< 0.00001
Day 3	CA10074-JAN16	15-Jan-16	752	7.19	16	5	< 2	< 0.06	< 1	2	< 0.03	< 0.06	< 0.00001
Day 6	CA10076-JAN16	18-Jan-16	764	7.26	22	7	< 2	< 0.06	< 1	2	< 0.03	< 0.06	< 0.00001

Analyte			---	---	---	---	---	---	---	---	---	---	Mercury
Sample Event	LIMS	Sample Date	---	---	---	---	---	---	---	---	---	---	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 3	CA10074-JAN16	15-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 6	CA10076-JAn16	18-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001

Submerged Column Results

Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 2 (middle) Duplicate

Analyte			Leachate Volume Collected (mL)	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper
Sample Event	LIMS	Sample Date	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	776	< 0.000002	0.146	0.0185	0.00288	< 0.000007	0.0019	< 0.000007	1.15	< 0.000003	0.00014	0.00658	0.00019
Day 3	CA10074-JAN16	15-Jan-16	752	< 0.000002	0.078	0.0587	0.00376	< 0.000007	0.0072	< 0.000007	1.62	0.000004	0.000128	0.00345	0.00011
Day 6	CA10076-JAN16	18-Jan-16	764	< 0.000002	0.052	0.144	0.00441	< 0.000007	0.0035	< 0.000007	1.99	< 0.000003	0.000103	0.00193	0.00023

Analyte			---	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper
Sample Event	LIMS	Sample Date	---	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.000002	0.009	0.0197	0.00211	< 0.000007	0.0013	< 0.000007	1.08	< 0.000003	< 0.000004	0.00003	0.00003
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.000002	0.012	0.0647	0.00313	< 0.000007	0.0042	< 0.000007	1.52	< 0.000003	0.000052	< 0.00003	< 0.00002
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.000002	0.013	0.149	0.00391	< 0.000007	0.0041	< 0.000007	1.80	< 0.000003	0.000038	< 0.00003	0.00023

Submerged Column Results

Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 2 (middle) Duplicate

Total Metals

Analyte			Leachate Volume Collected (mL)	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon
Sample Event	LIMS	Sample Date	mL	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
Day 1	CA10073-JAN16	13-Jan-16	776	0.278	0.954	0.000283	0.379	0.0122	0.00007	0.19	0.0029	< 0.003	0.00004	0.0005	< 0.00004	0.47
Day 3	CA10074-JAN16	15-Jan-16	752	0.248	1.57	0.000269	0.365	0.0107	0.00018	0.25	0.0019	< 0.003	0.00013	0.0015	0.00005	0.37
Day 6	CA10076-JAN16	18-Jan-16	764	0.119	2.42	0.000261	0.439	0.00852	0.00009	0.34	0.0015	< 0.003	0.00006	0.0030	< 0.00004	0.47

Dissolved Metals

Analyte			---	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon
Sample Event	LIMS	Sample Date	---	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
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.007	0.916	0.00015	0.159	0.00508	0.00004	0.15	0.0004	< 0.003	< 0.00001	0.0006	< 0.00004	0.08
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.007	1.55	0.000197	0.257	0.00634	0.00022	0.24	0.0005	< 0.003	0.00005	0.0015	0.00050	0.16
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.007	2.22	0.000203	0.347	0.00539	0.00011	0.32	0.0006	< 0.003	0.00003	0.0014	0.00011	0.30

Submerged Column Results

Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 2 (middle) Duplicate

Analyte			Leachate Volume Collected (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Event	LIMS	Sample Date	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	776	0.00006	0.00737	< 0.000005	0.000007	0.00084	< 0.002
Day 3	CA10074-JAN16	15-Jan-16	752	0.00012	0.00391	< 0.000005	0.000005	0.00086	< 0.002
Day 6	CA10076-JAN16	18-Jan-16	764	0.00007	0.00218	0.000006	0.000009	0.00141	< 0.002

Analyte			---	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Event	LIMS	Sample Date	---	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.00001	0.00006	< 0.000005	0.000003	0.00036	< 0.002
Day 3	CA10074-JAN16	15-Jan-16	---	0.00002	< 0.00005	< 0.000005	0.000004	0.00064	< 0.002
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.00001	0.00007	< 0.000005	0.00001	0.00117	< 0.002

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 3 (top) - 30cm above rock/water interface

Analyte			Leachate Volume Collected (mL)	pH	Conductivity	Alkalinity	Acidity	Fluoride	Chloride	Sulphate	Nitrite (as N)	Nitrate (as N)	Mercury
Sample Event	LIMS	Sample Date	mL	units	uS/cm	mg/L as CaCO3	mg/L as CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	785	7.04	13	4	< 2	< 0.06	< 1	1	< 0.03	< 0.06	< 0.00001
Day 3	CA10074-JAN16	15-Jan-16	712	7.27	17	8	< 2	< 0.06	< 1	1	< 0.03	< 0.06	< 0.00001
Day 6	CA10076-JAN16	18-Jan-16	724	7.13	18	6	< 2	< 0.06	< 1	2	< 0.03	< 0.06	< 0.00001
Day 10	CA10077-JAN16	22-Jan-16	779	7.20	24	9	< 2	< 0.06	< 1	2	< 0.03	< 0.06	< 0.00001
Day 15	CA10141-JAN16	27-Jan-16	749	7.31	29	11	< 2	< 0.06	< 1	3	< 0.03	< 0.06	< 0.00001
Day 20	CA10000-FEB16	01-Feb-16	782	7.46	35	24	< 2	< 0.06	< 1	3	< 0.03	< 0.06	< 0.00001
Day 27	CA10042-FEB16	08-Feb-16	730	7.38	40	14	< 2	< 0.06	< 1	3	< 0.03	< 0.06	< 0.00001
Week 5	CA10107-FEB16	17-Feb-16	765	7.56	45	18	< 2	< 0.06	< 1	3	< 0.03	< 0.06	< 0.00001
Week 7	CA10021-MAR16	02-Mar-16	784	7.68	56	22	< 2	< 0.06	< 1	4	< 0.03	< 0.06	< 0.00001
Week 10	CA10153-MAR16	23-Mar-16	787	7.68	63	25	< 2	< 0.06	< 1	5	< 0.03	< 0.06	< 0.00001
Week 15	CA10130-APR16	27-Apr-16	752	7.98	78	29	< 2	< 0.06	1	5	< 0.03	< 0.06	< 0.00001
Week 20	CA10000-JUN16	01-Jun-16	774	7.82	91	34	< 2	< 0.06	1	7	< 0.03	< 0.06	< 0.00001

Analyte			---	---	---	---	---	---	---	---	---	---	Mercury
Sample Event	LIMS	Sample Date	---	---	---	---	---	---	---	---	---	---	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 3	CA10074-JAN16	15-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 6	CA10076-JAn16	18-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 10	CA10077-JAN16	22-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 15	CA10141-JAN16	27-Jan-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 20	CA10000-FEB16	01-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Day 25	CA10042-FEB16	08-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 5	CA10107-FEB16	17-Feb-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 7	CA10021-MAR16	02-Mar-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 10	CA10153-MAR16	23-Mar-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 15	CA10130-APR16	27-Apr-16	---	---	---	---	---	---	---	---	---	---	< 0.00001
Week 20	CA10000-JUN16	01-Jun-16	---	---	---	---	---	---	---	---	---	---	< 0.00001

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 3 (top) - 30cm above rock/water interface

Analyte			Leachate Volume Collected (mL)	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper
Sample Event	LIMS	Sample Date	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	785	< 0.000002	0.122	0.0174	0.00292	< 0.000007	0.0012	< 0.000007	1.18	< 0.000003	0.00012	0.00534	0.00017
Day 3	CA10074-JAN16	15-Jan-16	712	< 0.000002	0.083	0.0587	0.00379	< 0.000007	0.0054	< 0.000007	1.65	< 0.000003	0.000124	0.00374	0.00018
Day 6	CA10076-JAN16	18-Jan-16	724	< 0.000002	0.046	0.0767	0.00334	< 0.000007	0.0024	< 0.000007	1.57	< 0.000003	0.000098	0.00167	0.00033
Day 10	CA10077-JAN16	22-Jan-16	779	0.000002	0.033	0.165	0.00533	< 0.000007	0.0050	< 0.000007	2.34	< 0.000003	0.000107	0.00142	0.00032
Day 15	CA10141-JAN16	27-Jan-16	749	< 0.000002	0.025	0.255	0.00676	< 0.000007	0.004	< 0.000007	2.90	< 0.000003	0.000105	0.00037	0.00029
Day 20	CA10000-FEB16	01-Feb-16	782	< 0.000002	0.030	0.328	0.00762	< 0.000007	0.005	< 0.000007	3.20	< 0.000003	0.000137	0.00061	0.00031
Day 27	CA10042-FEB16	08-Feb-16	730	< 0.000002	0.026	0.394	0.00878	< 0.000007	0.005	< 0.000007	3.77	< 0.000003	0.000159	0.00344	< 0.00002
Week 5	CA10107-FEB16	17-Feb-16	765	< 0.000002	0.027	0.538	0.0111	< 0.000007	< 0.002	< 0.000007	4.57	0.000003	0.000202	0.00046	0.00021
Week 7	CA10021-MAR16	02-Mar-16	784	< 0.000002	0.024	0.631	0.0126	< 0.000007	0.005	< 0.000007	5.41	0.000006	0.000265	0.00031	0.00016
Week 10	CA10153-MAR16	23-Mar-16	787	< 0.000002	0.018	0.87	0.0149	< 0.000007	0.009	< 0.000007	6.43	0.000005	0.000404	0.00028	0.00019
Week 15	CA10130-APR16	27-Apr-16	752	0.000004	0.019	1.11	0.0181	< 0.000007	0.010	0.000007	8.07	0.000008	0.000384	0.00020	0.00018
Week 20	CA10000-JUN16	01-Jun-16	774	0.000002	0.016	1.34	0.0209	0.000012	0.013	0.000027	9.46	< 0.000003	0.000412	0.00017	0.00071

Analyte			---	Silver	Aluminum	Arsenic	Barium	Beryllium	Boron	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper
Sample Event	LIMS	Sample Date	---	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.000002	0.007	0.0187	0.00206	< 0.000007	0.0008	< 0.000007	1.08	< 0.000003	< 0.000004	< 0.00003	< 0.00002
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.000002	0.012	0.0653	0.00323	< 0.000007	0.0032	< 0.000007	1.54	< 0.000003	0.000085	< 0.00003	< 0.00002
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.000002	0.010	0.0819	0.00312	< 0.000007	0.0025	< 0.000007	1.52	< 0.000003	0.000036	< 0.00003	0.00014
Day 10	CA10077-JAN16	22-Jan-16	---	< 0.000002	0.014	0.183	0.00479	< 0.000007	0.0050	< 0.000007	2.18	< 0.000003	0.000068	< 0.00003	0.00037
Day 15	CA10141-JAN16	27-Jan-16	---	< 0.000002	0.016	0.279	0.00614	< 0.000007	0.0074	< 0.000007	2.69	< 0.000003	0.000064	0.00005	0.00024
Day 20	CA10000-FEB16	01-Feb-16	---	< 0.000002	0.016	0.361	0.00709	< 0.000007	0.0044	< 0.000007	3.08	< 0.000003	0.000080	0.00008	< 0.00002
Day 25	CA10042-FEB16	08-Feb-16	---	< 0.000002	0.017	0.442	0.00847	< 0.000007	0.0048	< 0.000007	3.65	< 0.000003	0.000120	0.00009	0.00040
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.000002	0.020	0.587	0.0109	< 0.000007	< 0.0002	< 0.000007	4.43	< 0.000003	0.000151	0.00009	0.00012
Week 7	CA10021-MAR16	02-Mar-16	---	< 0.000002	0.017	0.64	0.0122	< 0.000007	0.0049	< 0.000007	5.19	< 0.000003	0.000188	0.00010	0.00008
Week 10	CA10153-MAR16	23-Mar-16	---	< 0.000002	0.015	0.83	0.0148	< 0.000007	0.0092	< 0.000007	6.07	0.000006	0.000334	0.00013	0.00011
Week 15	CA10130-APR16	27-Apr-16	---	< 0.000002	0.016	1.24	0.0178	< 0.000007	0.0100	< 0.000007	7.97	0.000004	0.000341	0.00012	0.00007
Week 20	CA10000-JUN16	01-Jun-16	---	< 0.000002	0.014	1.56	0.0201	< 0.000007	0.0134	< 0.000007	9.20	< 0.000003	0.000340	0.00010	0.00003

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 3 (top) - 30cm above rock/water interface

Total Metals

Analyte			Leachate Volume Collected (mL)	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon
Sample Event	LIMS	Sample Date	mL	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
Day 1	CA10073-JAN16	13-Jan-16	785	0.226	0.982	0.000248	0.353	0.0118	0.00004	0.19	0.0025	< 0.003	0.00003	0.0005	< 0.00004	0.41
Day 3	CA10074-JAN16	15-Jan-16	712	0.234	1.57	0.000268	0.374	0.0107	0.00017	0.25	0.0019	< 0.003	0.00012	0.0015	< 0.00004	0.40
Day 6	CA10076-JAN16	18-Jan-16	724	0.130	1.69	0.000193	0.342	0.00835	0.00002	0.28	0.0013	< 0.003	0.00006	0.0017	< 0.00004	0.32
Day 10	CA10077-JAN16	22-Jan-16	779	0.047	2.40	0.000291	0.457	0.00907	0.00024	0.32	0.0013	< 0.003	0.00003	0.0033	< 0.00004	0.43
Day 15	CA10141-JAN16	27-Jan-16	749	0.017	3.02	0.000351	0.557	0.00922	0.00018	0.35	0.0011	< 0.003	0.00002	0.0041	< 0.00004	0.47
Day 20	CA10000-FEB16	01-Feb-16	782	0.027	3.31	0.000443	0.616	0.0106	0.00022	0.36	0.0015	< 0.003	0.00002	0.0049	< 0.00004	0.55
Day 27	CA10042-FEB16	08-Feb-16	730	0.019	3.84	0.000523	0.668	0.0106	0.00022	0.39	0.0016	< 0.003	0.00001	0.0053	< 0.00004	0.68
Week 5	CA10107-FEB16	17-Feb-16	765	0.018	4.44	0.000599	0.840	0.0117	0.00030	0.46	0.0021	< 0.003	0.00004	0.0067	0.00004	0.54
Week 7	CA10021-MAR16	02-Mar-16	784	0.011	5.28	0.000701	0.962	0.0133	0.00037	0.48	0.0024	< 0.003	0.00001	0.0069	< 0.00004	0.60
Week 10	CA10153-MAR16	23-Mar-16	787	0.007	6.47	0.000816	1.15	0.0168	0.00052	0.57	0.0035	< 0.003	0.00002	0.0088	0.00006	0.95
Week 15	CA10130-APR16	27-Apr-16	752	0.010	7.99	0.00112	1.56	0.0161	0.00068	0.82	0.0046	0.004	0.00001	0.0104	0.00007	1.25
Week 20	CA10000-JUN16	01-Jun-16	774	0.010	8.95	0.00130	1.74	0.0116	0.00072	0.93	0.0053	< 0.003	0.00002	0.0123	0.00008	1.43

Dissolved Metals

Analyte			---	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon
Sample Event	LIMS	Sample Date	---	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
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.007	0.925	0.000135	0.159	0.00523	< 0.00001	0.15	0.0004	< 0.003	< 0.00001	0.0005	< 0.00004	0.08
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.007	1.56	0.000187	0.260	0.00667	0.00020	0.24	0.0006	< 0.003	0.00004	0.0016	0.00035	0.17
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.007	1.66	0.000155	0.273	0.00564	< 0.00001	0.27	0.0006	< 0.003	0.00002	0.0002	0.00006	0.19
Day 10	CA10077-JAN16	22-Jan-16	---	< 0.007	2.25	0.000276	0.406	0.00711	0.00028	0.30	0.0008	< 0.003	< 0.00001	0.0035	0.00036	0.33
Day 15	CA10141-JAN16	27-Jan-16	---	< 0.007	2.98	0.000369	0.527	0.00786	0.00054	0.33	0.0009	< 0.003	< 0.00001	0.0038	0.00007	0.42
Day 20	CA10000-FEB16	01-Feb-16	---	< 0.007	3.14	0.000400	0.573	0.00883	0.00019	0.32	0.0011	< 0.003	< 0.00001	0.0031	0.00009	0.50
Day 25	CA10042-FEB16	08-Feb-16	---	< 0.007	3.63	0.000511	0.637	0.00915	0.00021	0.37	0.0013	< 0.003	< 0.00001	0.0057	0.00005	0.58
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.007	4.43	0.000570	0.822	0.0104	0.00030	0.45	0.0019	< 0.003	< 0.00001	0.0052	0.00008	0.52
Week 7	CA10021-MAR16	02-Mar-16	---	< 0.007	5.28	0.000681	0.957	0.0120	0.00036	0.48	0.0023	< 0.003	< 0.00001	0.0060	0.00006	0.45
Week 10	CA10153-MAR16	23-Mar-16	---	< 0.007	6.10	0.000837	1.12	0.0166	0.00079	0.55	0.0033	< 0.003	0.00002	0.0094	0.00007	0.91
Week 15	CA10130-APR16	27-Apr-16	---	< 0.007	8.15	0.00111	1.54	0.0152	0.00067	0.78	0.0046	< 0.003	< 0.00001	0.0094	0.00008	1.22
Week 20	CA10000-JUN16	01-Jun-16	---	< 0.007	9.45	0.00140	1.79	0.0104	0.00069	0.97	0.0053	< 0.003	< 0.00001	0.0116	0.00011	1.42

Submerged Column Results
Customer: Agnico Eagle (Amaruq)
Project Manager: Serge Ouellet
SGS Contact: Brian Graham

Humidity Cell: Large Column #8 Whale Tail Submerged
Weight: 41.5kg (11 inches of material)
Column specs: Grey PVC, 13.5" ID and 36" height
Water Cover: 24"
Sample Location: Port 3 (top) - 30cm above rock/water interface

Analyte			Leachate Volume Collected (mL)	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Event	LIMS	Sample Date	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	785	0.00009	0.00698	< 0.000005	0.00001	0.00074	< 0.002
Day 3	CA10074-JAN16	15-Jan-16	712	0.00009	0.00431	< 0.000005	0.000004	0.00088	< 0.002
Day 6	CA10076-JAN16	18-Jan-16	724	0.00007	0.00207	0.000005	0.000005	0.00088	< 0.002
Day 10	CA10077-JAN16	22-Jan-16	779	0.00006	0.00121	0.000009	0.000013	0.00143	< 0.002
Day 15	CA10141-JAN16	27-Jan-16	749	0.00006	0.00034	< 0.000005	0.000016	0.00178	< 0.002
Day 20	CA10000-FEB16	01-Feb-16	782	0.00010	0.00047	0.000014	0.000026	0.00215	< 0.002
Day 27	CA10042-FEB16	08-Feb-16	730	0.00013	0.00028	0.000011	0.000031	0.00231	< 0.002
Week 5	CA10107-FEB16	17-Feb-16	765	< 0.00001	0.00034	0.000016	0.000046	0.00273	< 0.002
Week 7	CA10021-MAR16	02-Mar-16	784	0.00007	0.00043	0.000011	0.00006	0.00307	< 0.002
Week 10	CA10153-MAR16	23-Mar-16	787	0.00004	0.00027	0.000020	0.000089	0.00356	< 0.002
Week 15	CA10130-APR16	27-Apr-16	752	0.00005	0.00046	0.000019	0.000141	0.00402	< 0.002
Week 20	CA10000-JUN16	01-Jun-16	774	0.00012	0.00014	0.000029	0.000193	0.0042	< 0.002

Analyte			---	Tin	Titanium	Thallium	Uranium	Vanadium	Zinc
Sample Event	LIMS	Sample Date	---	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Day 1	CA10073-JAN16	13-Jan-16	---	< 0.00001	0.00009	< 0.000005	0.000003	0.00034	< 0.002
Day 3	CA10074-JAN16	15-Jan-16	---	< 0.00001	0.00010	< 0.000005	0.000003	0.0006	< 0.002
Day 6	CA10076-JAn16	18-Jan-16	---	< 0.00001	< 0.00005	< 0.000005	0.000003	0.00073	< 0.002
Day 10	CA10077-JAN16	22-Jan-16	---	0.00003	< 0.00005	0.000008	0.000015	0.00127	< 0.002
Day 15	CA10141-JAN16	27-Jan-16	---	0.00006	< 0.00005	0.000007	0.000034	0.00159	< 0.002
Day 20	CA10000-FEB16	01-Feb-16	---	0.00002	< 0.00005	0.000014	0.000022	0.00202	< 0.002
Day 25	CA10042-FEB16	08-Feb-16	---	0.00010	< 0.00005	0.000011	0.000028	0.00213	< 0.002
Week 5	CA10107-FEB16	17-Feb-16	---	< 0.00001	< 0.00005	0.000015	0.000045	0.00271	< 0.002
Week 7	CA10021-MAR16	02-Mar-16	---	0.00005	< 0.00005	0.000011	0.000059	0.00306	< 0.002
Week 10	CA10153-MAR16	23-Mar-16	---	0.00002	0.00006	0.000020	0.000086	0.00343	< 0.002
Week 15	CA10130-APR16	27-Apr-16	---	< 0.00001	0.00008	0.000018	0.000138	0.00394	< 0.002
Week 20	CA10000-JUN16	01-Jun-16	---	< 0.00001	< 0.00005	0.000027	0.000194	0.00426	< 0.002

Humidity Cell Results
Customer: Golder
Project Manager Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: AMQ-ENV17-25 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	875	9.27	< 2	31	60	< 2	4.55	3	< 0.06	< 0.00001	< 0.00005
1	CA10041-FEB18	07-Feb-18	1000	912	8.55	< 2	16	52	< 2	4.21	4	< 0.06	< 0.00001	< 0.00005
2	CA10116-FEB18	14-Feb-18	1000	941	8.47	< 2	16	32	< 2	3.48	< 1	< 0.06	< 0.00001	< 0.00005
3	CA10205-FEB18	21-Feb-18	1000	942	8.08	< 2	10	30	< 2	3.03	1	< 0.06	< 0.00001	< 0.00005
4	CA10263-FEB18	28-Feb-18	1000	965	8.04	< 2	11	31	< 2	3.47	1	0.07	0.00001	< 0.00005
5	CA10057-MAR18	07-Mar-18	1000	984	7.80	< 2	11	29	< 2	2.96	< 1	< 0.06	< 0.00001	< 0.00005
6	CA10149-MAR18	14-Mar-18	1000	966	7.70	< 2	10	27	< 2	3.49	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	963	7.51	< 2	10	29	< 2	3.33	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	989	7.60	< 2	9	27	< 2	3.48	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1058	8.60	< 2	16	42	< 2	4.31	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	976	7.94	< 2	11	25	< 2	3.16	< 1	< 0.06	< 0.00001	< 0.00005
11	CA10295-APR18	18-Apr-18	1000	977	8.29	< 2	11	25	< 2	3.25	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	957	7.30	< 2	8	21	< 2	2.54	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	981	7.46	< 2	8	23	< 2	2.77	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	950	7.70	< 2	8	22	< 2	2.42	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1045	7.85	< 2	32	23	4	3.21	< 1	< 0.06	< 0.00001	< 0.00005
16	CA10297-MAY18	23-May-18	1000	960	7.44	< 2	8	19	< 2	2.20	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	934	7.61	< 2	11	25	< 2	2.52	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	955	7.81	< 2	8	24	< 2	2.29	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1045	7.64	< 2	12	26	< 2	3.01	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	944	7.72	< 2	8	17	< 2	2.20	< 1	< 0.06	< 0.00001	< 0.00005
21	CA10263-JUN18	27-Jun-18	1000	955	7.67	< 2	7	19	< 2	1.92	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	926	7.35	< 2	7	20	< 2	1.98	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	944	7.19	< 2	6	28	< 2	1.90	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	958	7.44	< 2	7	21	< 2	2.02	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	952	7.38	< 2	7	16	< 2	2.10	< 1	< 0.06	< 0.00001	< 0.00005
26	CA10005-AUG18	01-Aug-18	1000	980	7.68	< 2	6	17	< 2	1.70	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	934	7.57	< 2	7	16	< 2	1.93	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	952	7.89	< 2	8	18	< 2	2.02	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	954	6.94	< 2	4	15	< 2	2.03	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1013	7.44	< 2	9	20	< 2	2.88	< 1	< 0.06	< 0.00001	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	937	7.27	< 2	6	19	< 2	1.86	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	964	7.14	< 2	6	18	< 2	1.94	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1046	7.45	< 2	11	23	< 2	2.81	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	962	7.20	< 2	7	15	< 2	2.12	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	951	7.09	< 2	7	15	< 2	1.75	< 1	< 0.06	< 0.00001	< 0.00005
36	CA10076-OCT18	10-Oct-18	1000	927	7.14	< 2	6	17	< 2	1.99	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---	---
39		31-Oct-18	1000								---	---	---	---
40		07-Nov-18	1000											

Humidity Cell Results
Customer: Golder
Project Manager Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: AMQ-ENV17-25 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu	Fe	K
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	875	0.062	0.0005	0.00126	< 0.000007	0.007	< 0.000007	0.000008	0.000053	0.00007	0.00076	0.013	4.73
1	CA10041-FEB18	07-Feb-18	1000	912	0.050	0.0011	0.00093	< 0.000007	0.010	< 0.000007	0.000005	0.000057	0.00004	0.00040	0.008	4.65
2	CA10116-FEB18	14-Feb-18	1000	941	0.053	0.0007	0.00078	< 0.000007	< 0.002	< 0.000007	0.000004	0.000029	0.00005	0.00024	0.007	2.19
3	CA10205-FEB18	21-Feb-18	1000	942	0.061	0.0010	0.00068	< 0.000007	0.006	0.000036	0.000006	0.000025	< 0.00003	0.00035	< 0.007	2.35
4	CA10263-FEB18	28-Feb-18	1000	965	0.070	0.0015	0.00072	< 0.000007	0.010	< 0.000007	< 0.000003	0.000027	0.00003	0.00026	< 0.007	2.86
5	CA10057-MAR18	07-Mar-18	1000	984	0.054	0.0025	0.00062	< 0.000007	0.005	< 0.000007	< 0.000003	0.000006	< 0.00003	0.00034	< 0.007	1.50
6	CA10149-MAR18	14-Mar-18	1000	966	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	963	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	989	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1058	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	976	0.062	0.0012	0.00091	< 0.000007	0.004	< 0.000007	< 0.000003	0.000029	0.00004	0.00037	0.008	1.56
11	CA10295-APR18	18-Apr-18	1000	977	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	957	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	981	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	950	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1045	0.044	0.0026	0.00103	< 0.000007	0.004	< 0.000007	0.000004	0.000036	0.00032	0.00050	0.040	1.64
16	CA10297-MAY18	23-May-18	1000	960	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	934	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	955	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1045	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	944	0.060	0.0020	0.00082	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000006	< 0.00003	0.00020	< 0.007	0.893
21	CA10263-JUN18	27-Jun-18	1000	955	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	926	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	944	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	958	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	952	0.052	0.0014	0.00052	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000009	< 0.00003	0.00018	< 0.007	0.870
26	CA10005-AUG18	01-Aug-18	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	934	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	952	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	954	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1013	0.045	0.0023	0.00085	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000010	< 0.00003	0.00013	< 0.007	1.16
31	CA10022-SEP18	05-Sep-18	1000	937	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	964	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1046	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	962	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	951	0.042	0.0022	0.00003	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000009	< 0.00003	0.00039	< 0.007	0.787
36	CA10076-OCT18	10-Oct-18	1000	927	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
39		31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
40		07-Nov-18	1000													

Humidity Cell Results
Customer: Golder
Project Manager Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: AMQ-ENV17-25 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Sn	Ti
Week/Event	LIMS	Sample Date	mL	mL	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
0	CA10332-JAN18	31-Jan-18	1000	875	0.0029	0.21	0.00293	0.00746	2.87	0.0004	0.018	0.00022	0.0022	0.00038	0.0227	0.00011	0.00054
1	CA10041-FEB18	07-Feb-18	1000	912	0.0013	0.315	0.0098	0.00076	2.43	0.0007	0.006	0.00018	0.0013	0.00014	0.0227	0.00025	0.00040
2	CA10116-FEB18	14-Feb-18	1000	941	0.0010	0.172	0.0100	0.00041	1.01	0.0002	< 0.003	0.00008	0.0008	0.00008	0.0144	0.00013	0.00072
3	CA10205-FEB18	21-Feb-18	1000	942	0.0042	0.178	0.0090	0.02465	1.38	0.0003	< 0.003	0.00008	0.0010	0.00007	0.0156	0.00015	0.00055
4	CA10263-FEB18	28-Feb-18	1000	965	0.0011	0.164	0.0110	0.00028	0.84	0.0002	< 0.003	0.00005	0.0010	0.00007	0.0142	0.00017	0.00037
5	CA10057-MAR18	07-Mar-18	1000	984	0.0007	0.173	0.00982	0.00019	0.49	0.0002	< 0.003	0.00005	0.0010	0.00007	0.0143	0.00007	0.00023
6	CA10149-MAR18	14-Mar-18	1000	966	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	963	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	989	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1058	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	976	0.0008	0.222	0.0115	0.00015	0.52	< 0.0001	< 0.003	0.00004	0.0009	< 0.00004	0.0130	0.00009	0.00050
11	CA10295-APR18	18-Apr-18	1000	977	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	957	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	981	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	950	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1045	0.0011	0.334	0.00853	0.00010	0.36	0.0001	< 0.003	0.00007	0.0015	0.00009	0.0177	0.00008	0.00039
16	CA10297-MAY18	23-May-18	1000	960	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	934	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	955	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1045	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	944	0.0005	0.156	0.00606	0.00003	0.10	< 0.0001	< 0.003	0.00002	0.0025	< 0.00004	0.0101	0.00006	0.00017
21	CA10263-JUN18	27-Jun-18	1000	955	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	926	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	944	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	958	---	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	952	0.0006	0.140	0.00483	0.00006	0.11	< 0.0001	< 0.003	0.00001	0.0006	< 0.00004	0.00806	0.00004	0.00021
26	CA10005-AUG18	01-Aug-18	1000	980	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	934	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	952	---	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	954	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1013	0.0004	0.181	0.00681	0.00012	0.12	< 0.0001	< 0.003	< 0.00001	0.0006	0.00008	0.0118	0.00007	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	937	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	964	---	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1046	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	962	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	951	0.0003	0.111	0.00367	0.00003	0.06	< 0.0001	< 0.003	0.00005	0.0005	< 0.00004	0.00737	0.00008	0.00009
36	CA10076-OCT18	10-Oct-18	1000	927	---	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
39		31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
40		07-Nov-18	1000														

Humidity Cell Results
Customer: Golder
Project Manager Rachel James
Contact: Rachel_James@golder.com

Humidity Cell: AMQ-ENV17-25 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	875	0.000026	0.000275	0.00082	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	912	< 0.000005	0.000775	0.00117	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	941	0.000008	0.00150	0.00091	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	942	< 0.000005	0.00136	0.00121	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	965	< 0.000005	0.00215	0.00136	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	984	< 0.000005	0.00202	0.00099	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	966	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	963	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	989	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1058	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	976	< 0.000005	0.00386	0.00098	< 0.002
11	CA10295-APR18	18-Apr-18	1000	977	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	957	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	981	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	950	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1045	0.000040	0.0118	0.00105	< 0.002
16	CA10297-MAY18	23-May-18	1000	960	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	934	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	955	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1045	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	944	0.000005	0.00584	0.00098	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	955	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	926	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	944	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	958	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	952	< 0.000005	0.00497	0.00080	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	980	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	934	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	952	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	954	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1013	< 0.000005	0.00731	0.00088	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	937	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	964	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1046	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	962	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	951	< 0.000005	0.002082	0.00081	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	927	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---
39		31-Oct-18	1000		---	---	---	---
40		07-Nov-18	1000					

Humidity Cell Results
Customer: Golder
Project Mana Rachel James
SGS Contact Brian Graham

Humidity Cel AMQ-ENV15-065 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	873	9.22	< 2	15	50	4	4.02	< 1	< 0.06	< 0.00001	< 0.00005
1	CA10041-FEB18	07-Feb-18	1000	905	8.11	< 2	11	40	4	2.35	< 1	0.06	< 0.00001	< 0.00005
2	CA10116-FEB18	14-Feb-18	1000	928	7.50	< 2	7	23	2	1.67	< 1	< 0.06	< 0.00001	< 0.00005
3	CA10205-FEB18	21-Feb-18	1000	930	7.14	< 2	6	23	3	1.66	< 1	0.07	< 0.00001	< 0.00005
4	CA10263-FEB18	28-Feb-18	1000	953	7.56	< 2	7	20	< 2	1.63	< 1	< 0.06	< 0.00001	< 0.00005
5	CA10057-MAR18	07-Mar-18	1000	956	7.14	< 2	6	18	< 2	1.27	< 1	< 0.06	< 0.00001	< 0.00005
6	CA10149-MAR18	14-Mar-18	1000	958	7.34	< 2	7	17	< 2	1.59	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	960	6.95	< 2	5	17	< 2	1.49	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	973	6.96	< 2	5	18	2	1.66	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1046	7.41	< 2	10	35	4	2.82	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	965	7.27	< 2	6	15	< 2	1.52	< 1	0.09	< 0.00001	< 0.00005
11	CA10295-APR18	18-Apr-18	1000	961	7.17	< 2	5	13	< 2	1.28	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	951	7.26	< 2	5	12	< 2	1.20	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	961	6.97	< 2	5	14	< 2	1.18	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	938	6.95	< 2	4	14	< 2	1.16	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1043	7.39	13	29	24	3	2.55	< 1	< 0.06	< 0.00001	< 0.00005
16	CA10297-MAY18	23-May-18	1000	925	7.22	< 2	5	14	< 2	1.16	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	956	7.06	< 2	5	16	< 2	1.23	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	949	7.17	< 2	5	16	< 2	1.19	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1047	7.18	< 2	7	23	3	2.15	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	920	7.17	< 2	5	12	< 2	1.17	< 1	0.11	< 0.00001	< 0.00005
21	CA10263-JUN18	27-Jun-18	1000	944	7.27	< 2	5	12	< 2	1.14	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	922	7.37	< 2	5	15	< 2	1.08	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	935	7.07	< 2	4	12	< 2	1.14	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	956	7.46	< 2	3	13	< 2	1.05	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	950	7.22	< 2	4	11	< 2	1.06	< 1	< 0.06	< 0.00001	< 0.00005
26	CA10005-AUG18	01-Aug-18	1000	975	7.86	< 2	3	12	< 2	0.88	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	917	7.13	< 2	4	12	< 2	1.08	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	950	7.03	< 2	5	13	< 2	1.08	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	937	7.03	< 2	4	11	< 2	1.14	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1000	7.09	< 2	4	13	< 2	1.44	< 1	< 0.06	< 0.00001	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	924	7.40	< 2	< 2	15	< 2	1.10	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	927	7.15	101	2	12	< 2	1.05	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1038	6.88	< 2	6	22	3	2.27	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	951	6.91	< 2	4	8	< 2	1.08	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	929	6.86	< 2	4	13	< 2	1.05	< 1	< 0.06	< 0.00001	< 0.00005
36	CA10076-OCT18	10-Oct-18	1000	919	6.83	< 2	3	12	< 2	1.19	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---	---
39	0	31-Oct-18	1000								---	---	---	---
40	0	07-Nov-18	1000											

Humidity Cell Results
Customer: Golder
Project Mana Rachel James
SGS Contact Brian Graham

Humidity Cel AMQ-ENV15-065 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu	Fe	K
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	873	0.068	0.0018	0.00138	< 0.000007	0.006	< 0.000007	0.000019	0.000026	0.00005	0.00065	0.013	3.79
1	CA10041-FEB18	07-Feb-18	1000	905	0.038	0.0025	0.00092	< 0.000007	0.009	< 0.000007	0.000004	0.000025	0.00005	0.00042	0.008	4.40
2	CA10116-FEB18	14-Feb-18	1000	928	0.046	0.0020	0.00077	< 0.000007	< 0.002	< 0.000007	0.000007	0.000016	0.00004	0.00024	0.008	2.34
3	CA10205-FEB18	21-Feb-18	1000	930	0.051	0.0029	0.00105	< 0.000007	0.005	0.000009	< 0.000003	0.000013	< 0.00003	0.0233	0.010	2.55
4	CA10263-FEB18	28-Feb-18	1000	953	0.060	0.0051	0.00064	< 0.000007	0.011	< 0.000007	0.000003	0.000017	0.00005	0.00267	0.010	3.11
5	CA10057-MAR18	07-Mar-18	1000	956	0.048	0.0033	0.00051	< 0.000007	0.003	< 0.000007	< 0.000003	< 0.000004	0.00004	0.00038	0.008	1.44
6	CA10149-MAR18	14-Mar-18	1000	958	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	960	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	973	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1046	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	965	0.061	0.0029	0.00071	< 0.000007	0.002	< 0.000007	< 0.000003	0.000019	0.00005	0.00027	0.011	1.28
11	CA10295-APR18	18-Apr-18	1000	961	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	951	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	961	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	938	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1043	0.031	0.0081	0.00108	< 0.000007	0.005	< 0.000007	0.000033	0.000040	0.00012	0.00023	0.011	2.32
16	CA10297-MAY18	23-May-18	1000	925	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	949	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1047	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	920	0.060	0.0068	0.00066	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000019	0.00015	0.00033	0.010	0.932
21	CA10263-JUN18	27-Jun-18	1000	944	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	922	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	935	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	950	0.040	0.0042	0.00033	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000025	< 0.00003	0.00015	< 0.007	0.872
26	CA10005-AUG18	01-Aug-18	1000	975	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	917	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	950	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	937	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1000	0.064	0.0062	0.00053	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000024	< 0.00003	0.00022	< 0.007	1.05
31	CA10022-SEP18	05-Sep-18	1000	924	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	927	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1038	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	951	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	929	0.031	0.0057	< 0.00002	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000020	< 0.00003	0.00249	< 0.007	0.814
36	CA10076-OCT18	10-Oct-18	1000	919	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000													

Humidity Cell Results
Customer: Golder
Project Mana Rachel James
SGS Contact Brian Graham

Humidity Cel AMQ-ENV15-065 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Sn	Ti
Week/Event	LIMS	Sample Date	mL	mL	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
0	CA10332-JAN18	31-Jan-18	1000	873	0.0056	0.328	0.00572	0.0334	2.14	0.0002	0.004	0.00028	0.0042	0.00044	0.0104	0.00014	0.00054
1	CA10041-FEB18	07-Feb-18	1000	905	0.0010	0.324	0.0067	0.00126	1.80	0.0002	0.004	0.00002	0.0011	0.00013	0.0071	0.00029	0.00051
2	CA10116-FEB18	14-Feb-18	1000	928	0.0009	0.177	0.0050	0.00062	0.99	< 0.0001	< 0.003	0.00003	0.0008	0.00007	0.0048	0.00014	0.00071
3	CA10205-FEB18	21-Feb-18	1000	930	0.0015	0.196	0.0043	0.00083	1.14	0.0001	< 0.003	0.00009	0.0009	0.00010	0.0110	0.00033	0.00083
4	CA10263-FEB18	28-Feb-18	1000	953	0.0008	0.161	0.00486	0.00045	0.77	0.0001	< 0.003	< 0.00001	0.0008	0.00006	0.00447	0.00017	0.00062
5	CA10057-MAR18	07-Mar-18	1000	956	0.0005	0.145	0.00375	0.00020	0.35	< 0.0001	< 0.003	0.00002	0.0019	0.00005	0.00396	0.00010	0.00069
6	CA10149-MAR18	14-Mar-18	1000	958	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	960	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	973	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1046	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	965	0.0005	0.176	0.00518	0.00019	0.30	< 0.0001	< 0.003	0.00003	0.0006	< 0.00004	0.00360	0.00007	0.00057
11	CA10295-APR18	18-Apr-18	1000	961	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	951	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	961	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	938	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1043	0.0008	0.435	0.00606	0.00079	0.56	0.0002	< 0.003	0.00003	0.0018	0.00011	0.0083	0.00007	0.00020
16	CA10297-MAY18	23-May-18	1000	925	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	949	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1047	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	920	0.0004	0.139	0.00273	0.00012	0.11	< 0.0001	< 0.003	0.00005	0.0006	0.00005	0.0031	0.00015	0.00041
21	CA10263-JUN18	27-Jun-18	1000	944	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	922	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	935	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	950	0.0005	0.130	0.00223	0.00008	0.10	< 0.0001	< 0.003	< 0.00001	0.0007	< 0.00004	0.00237	0.00007	0.00019
26	CA10005-AUG18	01-Aug-18	1000	975	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	917	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	950	---	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	937	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1000	0.0003	0.174	0.00323	0.00018	0.13	< 0.0001	< 0.003	0.00003	0.0007	0.00004	0.00445	0.00008	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	924	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	927	---	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1038	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	951	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	929	0.0002	0.113	0.00201	0.00009	0.07	< 0.0001	< 0.003	0.00002	0.0005	< 0.00004	0.00266	0.00009	0.00014
36	CA10076-OCT18	10-Oct-18	1000	919	---	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000														

Humidity Cell Results
Customer: Golder
Project Mana Rachel James
SGS Contact Brian Graham

Humidity Cel AMQ-ENV15-065 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	873	0.000037	0.000191	0.00072	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	905	< 0.000005	0.000163	0.00080	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	928	0.000011	0.000216	0.00056	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	930	< 0.000005	0.000200	0.00071	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	953	< 0.000005	0.000228	0.00083	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	956	< 0.000005	0.000169	0.00064	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	958	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	960	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	973	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1046	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	965	< 0.000005	0.000312	0.00061	< 0.002
11	CA10295-APR18	18-Apr-18	1000	961	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	951	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	961	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	938	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1043	0.000010	0.00217	0.00065	< 0.002
16	CA10297-MAY18	23-May-18	1000	925	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	956	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	949	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1047	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	920	< 0.000005	0.000568	0.00064	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	944	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	922	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	935	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	956	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	950	< 0.000005	0.000612	0.00053	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	975	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	917	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	950	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	937	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1000	< 0.000005	0.001197	0.00052	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	924	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	927	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1038	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	951	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	929	< 0.000005	0.000440	0.00047	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	919	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---
40	0	07-Nov-18	1000					

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-054 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	882	6.74	< 2	10	807	390	121	5	< 0.06	< 0.00001	< 0.00005
1	CA10041-FEB18	07-Feb-18	1000	911	7.25	22	7	465	200	78.2	8	< 0.06	< 0.00001	< 0.00005
2	CA10116-FEB18	14-Feb-18	1000	950	6.82	15	3	297	130	57.6	8	< 0.06	< 0.00001	< 0.00005
3	CA10205-FEB18	21-Feb-18	1000	945	6.49	23	2	307	130	50.5	9	< 0.06	< 0.00001	< 0.00005
4	CA10263-FEB18	28-Feb-18	1000	982	6.85	9	3	256	110	51.1	4	< 0.06	< 0.00001	< 0.00005
5	CA10057-MAR18	07-Mar-18	1000	989	6.67	12	3	241	95	31.1	7	< 0.06	< 0.00001	< 0.00005
6	CA10149-MAR18	14-Mar-18	1000	990	6.75	23	3	261	99	36.2	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	968	6.58	18	2	243	97	31.6	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1000	6.46	25	2	261	100	36.6	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1054	6.81	14	3	307	130	38.8	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	971	6.62	7	3	209	85	31.7	3	< 0.06	< 0.00001	< 0.00005
11	CA10295-APR18	18-Apr-18	1000	980	6.62	7	2	200	82	30.6	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	963	6.59	5	2	184	77	27.9	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	984	6.14	8	< 2	197	80	29.1	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	978	6.68	6	2	192	77	27.8	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1041	6.69	60	22	262	130	52.5	4	< 0.06	< 0.00001	< 0.00005
16	CA10297-MAY18	23-May-18	1000	958	6.84	< 2	4	211	84	29.0	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	964	6.71	3	2	191	76	26.9	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	969	6.67	5	2	190	79	28.2	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1042	6.58	< 2	3	262	100	41.4	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	944	6.65	< 2	2	174	72	26.4	< 1	< 0.06	< 0.00001	< 0.00005
21	CA10263-JUN18	27-Jun-18	1000	967	6.52	4	25	143	65	20.7	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	948	6.47	< 2	2	175	67	23.2	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	944	6.57	2	2	175	71	25.4	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	956	6.22	2	2	146	58	18.0	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	964	6.31	2	2	147	59	22.1	1	< 0.06	< 0.00001	< 0.00005
26	CA10005-AUG18	01-Aug-18	1000	993	6.34	2	< 2	136	54	18.9	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	943	6.34	3	< 2	143	60	20.4	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	984	6.10	2	< 2	141	56	19.4	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	956	6.00	2	2	139	57	22.2	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1013	6.55	< 2	2	144	55	20.3	< 1	< 0.06	< 0.00001	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	962	6.27	3	< 2	134	55	19.0	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	958	5.50	2	< 2	129	54	17.9	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1029	5.73	< 2	2	201	88	30.8	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	968	6.29	2	< 2	134	52	20.8	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	945	6.26	3	< 2	139	57	18.7	< 1	< 0.06	< 0.00001	< 0.00005
36	CA10076-OCT18	10-Oct-18	1000	972	5.64	< 2	< 2	112	43	15.6	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---	---
39	0	31-Oct-18	1000								---	---	---	---
40	0	07-Nov-18	1000											

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-054 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu	Fe	K
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	882	< 0.001	0.0004	0.00963	0.00001	0.008	< 0.000007	0.000064	0.0173	< 0.00003	0.00023	0.584	1.83
1	CA10041-FEB18	07-Feb-18	1000	911	0.005	< 0.0002	0.00229	< 0.000007	0.017	< 0.000007	0.000003	0.000501	< 0.00003	0.00050	< 0.007	2.63
2	CA10116-FEB18	14-Feb-18	1000	950	0.005	0.0027	0.00140	< 0.000007	0.009	< 0.000007	< 0.000003	0.000295	< 0.00003	0.00039	< 0.007	1.66
3	CA10205-FEB18	21-Feb-18	1000	945	0.006	0.0005	0.00124	< 0.000007	0.011	< 0.000007	< 0.000003	0.000277	0.00016	0.00073	0.016	1.80
4	CA10263-FEB18	28-Feb-18	1000	982	0.005	0.0004	0.00118	< 0.000007	0.015	< 0.000007	< 0.000003	0.000259	< 0.00003	0.00040	< 0.007	2.30
5	CA10057-MAR18	07-Mar-18	1000	989	0.005	0.0002	0.00099	< 0.000007	0.009	< 0.000007	< 0.000003	0.000204	< 0.00003	0.00033	< 0.007	1.28
6	CA10149-MAR18	14-Mar-18	1000	990	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	968	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1054	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	971	0.004	0.0004	0.00118	< 0.000007	0.006	< 0.000007	0.000018	0.000196	< 0.00003	0.00037	< 0.007	1.53
11	CA10295-APR18	18-Apr-18	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	963	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1041	0.007	0.0005	0.00130	< 0.000007	0.010	< 0.000007	< 0.000003	0.000143	0.00004	0.00040	< 0.007	2.58
16	CA10297-MAY18	23-May-18	1000	958	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	964	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	969	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1042	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	944	0.004	0.0004	0.00137	< 0.000007	0.004	< 0.000007	0.000005	0.000226	< 0.00003	0.00050	0.013	1.34
21	CA10263-JUN18	27-Jun-18	1000	967	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	948	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	944	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	964	0.005	0.0004	0.00083	0.000013	0.004	< 0.000007	0.000011	0.000397	< 0.00003	0.00101	0.078	1.19
26	CA10005-AUG18	01-Aug-18	1000	993	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	943	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1013	0.003	0.0008	0.00084	0.000007	0.004	< 0.000007	0.000005	0.000303	< 0.00003	0.00053	0.039	1.27
31	CA10022-SEP18	05-Sep-18	1000	962	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	958	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1029	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	968	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	945	0.004	0.0006	0.00181	0.000009	0.003	< 0.000007	< 0.000003	0.000370	< 0.00003	0.00145	0.072	1.12
36	CA10076-OCT18	10-Oct-18	1000	972	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000													

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-054 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Sn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	882	0.0132	29.1	2.19	0.00043	0.21	0.149	< 0.003	0.00004	0.0003	0.00045	0.059	0.00004
1	CA10041-FEB18	07-Feb-18	1000	911	0.0046	20.5	0.155	0.00020	0.19	0.0051	< 0.003	< 0.00001	0.0003	0.00029	0.0278	0.00022
2	CA10116-FEB18	14-Feb-18	1000	950	0.0038	8.91	0.0728	0.00026	0.13	0.0027	< 0.003	0.00001	0.0003	0.00026	0.0169	0.00010
3	CA10205-FEB18	21-Feb-18	1000	945	0.0036	10.9	0.0695	0.00011	0.12	0.0024	< 0.003	0.00065	0.0003	0.00024	0.0165	0.00011
4	CA10263-FEB18	28-Feb-18	1000	982	0.0033	6.83	0.0602	0.00010	0.08	0.0023	< 0.003	< 0.00001	< 0.0002	0.00014	0.0137	0.00014
5	CA10057-MAR18	07-Mar-18	1000	989	0.0024	6.21	0.0497	0.00008	0.07	0.0017	< 0.003	< 0.00001	0.0004	0.00015	0.0118	0.00012
6	CA10149-MAR18	14-Mar-18	1000	990	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	968	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1054	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	971	0.0020	3.97	0.0417	0.00004	0.12	0.0012	< 0.003	0.00005	0.0003	0.00009	0.00880	0.00005
11	CA10295-APR18	18-Apr-18	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	963	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	978	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1041	0.0026	4.64	0.0587	0.00005	0.08	0.0012	< 0.003	0.00002	0.0013	0.00017	0.0128	0.00008
16	CA10297-MAY18	23-May-18	1000	958	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	964	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	969	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1042	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	944	0.0015	1.46	0.04289	0.00002	0.03	0.0014	< 0.003	< 0.00001	0.0003	0.00006	0.0074	0.00007
21	CA10263-JUN18	27-Jun-18	1000	967	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	948	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	944	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	964	0.0018	1.23	0.0518	0.00004	0.05	0.0022	< 0.003	0.00001	0.0003	< 0.00004	0.00514	0.00005
26	CA10005-AUG18	01-Aug-18	1000	993	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	943	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1013	0.0011	1.03	0.0531	0.00033	0.04	0.0017	< 0.003	0.00002	0.0003	0.00007	0.00514	0.00007
31	CA10022-SEP18	05-Sep-18	1000	962	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	958	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1029	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	968	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	945	0.0013	1.04	0.0496	0.00003	0.07	0.0019	< 0.003	< 0.00001	0.0003	0.00006	0.00878	0.00004
36	CA10076-OCT18	10-Oct-18	1000	972	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000													

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-054 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	882	< 0.00005	0.000025	0.0001	< 0.00001	0.006
1	CA10041-FEB18	07-Feb-18	1000	911	< 0.00005	< 0.000005	0.000024	0.00001	0.002
2	CA10116-FEB18	14-Feb-18	1000	950	< 0.00005	0.000011	0.000024	0.00001	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	945	< 0.00005	0.000185	0.000032	< 0.00001	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	982	< 0.00005	< 0.000005	0.000071	0.00001	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	989	< 0.00005	< 0.000005	0.000030	0.00001	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	990	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	968	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1000	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1054	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	971	< 0.00005	< 0.000005	0.000038	0.00003	< 0.002
11	CA10295-APR18	18-Apr-18	1000	980	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	963	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	984	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	978	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1041	< 0.00005	0.000015	0.000053	0.00002	< 0.002
16	CA10297-MAY18	23-May-18	1000	958	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	964	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	969	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1042	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	944	< 0.00005	0.000010	0.000033	0.00002	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	967	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	948	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	944	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	956	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	964	< 0.00005	0.000011	0.000041	< 0.00001	0.002
26	CA10005-AUG18	01-Aug-18	1000	993	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	943	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	984	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	956	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1013	< 0.00005	0.000044	0.000038	< 0.00001	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	962	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	958	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1029	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	968	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	945	< 0.00005	0.000005	0.000036	< 0.00001	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	972	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---
40	0	07-Nov-18	1000						

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-47 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	860	9.14	< 2	26	64	4	4.13	1	0.09	< 0.00001
1	CA10041-FEB18	07-Feb-18	1000	908	8.65	< 2	22	50	3	3.51	1	0.10	< 0.00001
2	CA10116-FEB18	14-Feb-18	1000	957	8.66	< 2	14	35	< 2	3.54	< 1	< 0.06	< 0.00001
3	CA10205-FEB18	21-Feb-18	1000	970	8.42	< 2	14	42	3	3.53	1	0.06	< 0.00001
4	CA10263-FEB18	28-Feb-18	1000	994	8.25	< 2	11	33	2	3.42	< 1	0.06	< 0.00001
5	CA10057-MAR18	07-Mar-18	1000	996	7.80	< 2	11	31	< 2	2.93	< 1	< 0.06	< 0.00001
6	CA10149-MAR18	14-Mar-18	1000	983	7.70	< 2	11	27	< 2	3.08	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	985	7.49	< 2	10	26	< 2	2.83	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1045	7.51	< 2	10	29	< 2	3.38	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1054	8.25	< 2	21	42	< 2	4.25	---	---	---
10	CA10096-APR18	11-Apr-18	1000	1010	7.75	< 2	12	26	< 2	3.51	< 1	< 0.06	< 0.00001
11	CA10295-APR18	18-Apr-18	1000	1015	7.67	< 2	10	24	< 2	3.17	---	---	---
12	CA10361-APR18	25-Apr-18	1000	981	7.92	< 2	8	19	< 2	2.36	---	---	---
13	CA10022-MAY18	02-May-18	1000	1016	7.34	< 2	8	26	< 2	2.99	---	---	---
14	CA10105-MAY18	09-May-18	1000	988	7.56	< 2	8	20	< 2	2.37	---	---	---
15	CA10200-MAY18	16-May-18	1000	1057	7.57	< 2	15	36	< 2	4.01	< 1	< 0.06	< 0.00001
16	CA10297-MAY18	23-May-18	1000	947	7.65	< 2	10	22	< 2	3.21	---	---	---
17	CA10347-MAY18	30-May-18	1000	958	7.41	< 2	10	24	< 2	2.52	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	945	7.95	< 2	9	21	< 2	2.37	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1058	7.56	< 2	11	27	< 2	3.11	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	946	7.07	< 2	7	17	< 2	2.27	< 1	< 0.06	< 0.00001
21	CA10263-JUN18	27-Jun-18	1000	956	7.68	< 2	8	19	< 2	2.22	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	952	7.43	< 2	7	17	< 2	2.03	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	952	7.43	< 2	7	17	< 2	2.03	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	972	7.53	< 2	6	17	< 2	1.96	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	975	7.83	< 2	7	16	< 2	2.15	< 1	< 0.06	0.00002
26	CA10005-AUG18	01-Aug-18	1000	995	7.31	< 2	7	18	< 2	2.04	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	953	7.38	< 2	6	14	< 2	1.97	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	995	7.67	< 2	6	16	< 2	1.76	---	---	---
28	CA10230-AUG18	22-Aug-18	1000	966	7.27	< 2	5	14	< 2	2.03	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1028	7.32	< 2	8	19	< 2	2.68	< 1	< 0.06	< 0.00001
31	CA10022-SEP18	05-Sep-18	1000	956	6.57	< 2	2	20	< 2	2.06	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	980	7.41	< 2	4	14	< 2	1.85	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1047	6.79	< 2	7	36	< 2	2.99	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	953	7.09	< 2	7	17	< 2	2.26	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	956	6.96	< 2	6	16	< 2	1.80	< 1	< 0.06	< 0.00001
36	CA10076-OCT18	10-Oct-18	1000	958	7.06	7	6	14	< 2	1.77	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---
39	0	31-Oct-18	1000								---	---	---
40	0	07-Nov-18	1000										

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-47 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	860	< 0.00005	0.072	0.0036	0.00101	< 0.000007	0.023	< 0.000007	< 0.000003	0.000014	< 0.00003
1	CA10041-FEB18	07-Feb-18	1000	908	< 0.00005	0.054	0.0074	0.00073	< 0.000007	0.008	< 0.000007	< 0.000003	0.000004	< 0.00003
2	CA10116-FEB18	14-Feb-18	1000	957	< 0.00005	0.060	0.0056	0.00050	< 0.000007	< 0.002	< 0.000007	0.000010	0.000038	0.00021
3	CA10205-FEB18	21-Feb-18	1000	970	< 0.00005	0.046	0.0079	0.00057	< 0.000007	0.004	< 0.000007	0.000007	0.000006	< 0.00003
4	CA10263-FEB18	28-Feb-18	1000	994	< 0.00005	0.050	0.0083	0.00045	< 0.000007	0.022	< 0.000007	0.000005	0.000009	< 0.00003
5	CA10057-MAR18	07-Mar-18	1000	996	< 0.00005	0.046	0.0079	0.00038	< 0.000007	0.005	< 0.000007	0.000005	< 0.000004	0.00004
6	CA10149-MAR18	14-Mar-18	1000	983	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	985	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1045	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1054	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	1010	< 0.00005	0.053	0.0060	0.00043	< 0.000007	< 0.002	< 0.000007	0.000003	0.000019	0.00003
11	CA10295-APR18	18-Apr-18	1000	1015	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	981	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1016	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	988	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1057	< 0.00005	0.043	0.0177	0.00048	< 0.000007	0.002	< 0.000007	< 0.000003	0.000017	< 0.00003
16	CA10297-MAY18	23-May-18	1000	947	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	958	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	945	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1058	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	946	< 0.00005	0.065	0.0068	0.00034	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000017	< 0.00003
21	CA10263-JUN18	27-Jun-18	1000	956	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	952	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	952	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	972	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	975	< 0.00005	0.051	0.0038	0.00022	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000021	< 0.00003
26	CA10005-AUG18	01-Aug-18	1000	995	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	953	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	995	---	---	---	---	---	---	---	---	---	---
28	CA10230-AUG18	22-Aug-18	1000	966	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1028	< 0.00005	0.037	0.0069	0.00031	< 0.000007	< 0.002	< 0.000007	0.000003	0.000019	< 0.00003
31	CA10022-SEP18	05-Sep-18	1000	956	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	980	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1047	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	953	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	956	< 0.00005	0.037	0.0044	< 0.00002	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000015	< 0.00003
36	CA10076-OCT18	10-Oct-18	1000	958	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000											

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-47 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	860	0.00039	< 0.007	6.4	0.0015	0.244	0.00441	0.00137	2.21	< 0.0001	0.007	0.00003
1	CA10041-FEB18	07-Feb-18	1000	908	0.00032	< 0.007	6.22	0.0005	0.269	0.0104	0.00070	1.91	< 0.0001	< 0.003	0.00003
2	CA10116-FEB18	14-Feb-18	1000	957	0.00060	0.016	3.34	0.0004	0.168	0.0135	0.00029	0.90	< 0.0001	< 0.003	0.00028
3	CA10205-FEB18	21-Feb-18	1000	970	0.00037	< 0.007	4.16	0.0008	0.234	0.0153	0.00077	1.54	< 0.0001	< 0.003	0.00004
4	CA10263-FEB18	28-Feb-18	1000	994	0.00021	< 0.007	4.58	0.0006	0.173	0.0167	0.00047	0.99	< 0.0001	< 0.003	0.00001
5	CA10057-MAR18	07-Mar-18	1000	996	0.00032	< 0.007	3.40	0.0003	0.182	0.0145	0.00034	0.59	< 0.0001	< 0.003	0.00003
6	CA10149-MAR18	14-Mar-18	1000	983	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	985	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1045	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1054	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	1010	0.00015	0.009	1.76	0.0003	0.197	0.0171	0.00008	0.26	< 0.0001	< 0.003	0.00004
11	CA10295-APR18	18-Apr-18	1000	1015	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	981	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1016	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	988	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1057	0.00018	0.009	2.20	0.0004	0.305	0.0173	0.00011	0.21	< 0.0001	< 0.003	0.00005
16	CA10297-MAY18	23-May-18	1000	947	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	958	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	945	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1058	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	946	0.00022	0.013	0.856	0.0001	0.117	0.00991	0.00002	0.06	< 0.0001	< 0.003	0.00005
21	CA10263-JUN18	27-Jun-18	1000	956	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	952	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	952	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	972	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	975	0.00020	< 0.007	0.784	0.0002	0.115	0.00769	0.00009	0.06	< 0.0001	< 0.003	0.00002
26	CA10005-AUG18	01-Aug-18	1000	995	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	953	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	995	---	---	---	---	---	---	---	---	---	---	---
28	CA10230-AUG18	22-Aug-18	1000	966	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1028	0.00009	< 0.007	0.981	0.0001	0.136	0.0106	0.00011	0.08	< 0.0001	< 0.003	0.00002
31	CA10022-SEP18	05-Sep-18	1000	956	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	980	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1047	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	953	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	956	0.00234	< 0.007	0.646	0.0002	0.085	0.00655	0.00003	0.09	< 0.0001	< 0.003	0.00003
36	CA10076-OCT18	10-Oct-18	1000	958	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000												

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-47 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	860	0.0011	0.00027	0.009	0.00019	0.00019	0.000006	0.000057	0.00044	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	908	0.0017	0.00017	0.0067	0.00034	0.00034	< 0.000005	0.000082	0.00060	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	957	0.0012	0.00012	0.0054	0.00014	0.00047	0.000105	0.000097	0.00043	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	970	0.0017	0.00016	0.0077	0.00089	0.00035	< 0.000005	0.000192	0.00045	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	994	0.0016	0.00008	0.00596	0.00046	0.00021	< 0.000005	0.000173	0.00048	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	996	0.0018	0.00007	0.00589	0.00030	0.00025	< 0.000005	0.000187	0.00044	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	983	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	985	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1045	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1054	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	1010	0.0010	< 0.00004	0.00543	0.00042	0.00042	< 0.000005	0.000326	0.00040	< 0.002
11	CA10295-APR18	18-Apr-18	1000	1015	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	981	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1016	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	988	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1057	0.0019	0.00010	0.0078	0.00029	0.00046	0.000006	0.00177	0.00050	< 0.002
16	CA10297-MAY18	23-May-18	1000	947	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	958	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	945	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1058	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	946	0.0009	< 0.00004	0.0039	0.00009	0.00045	0.000005	0.001161	0.00049	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	956	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	952	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	952	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	972	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	975	0.0006	< 0.00004	0.00322	0.00007	0.00027	0.000008	0.000939	0.00037	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	995	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	953	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	995	---	---	---	---	---	---	---	---	---
28	CA10230-AUG18	22-Aug-18	1000	966	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1028	0.0009	< 0.00004	0.00471	0.00010	0.00017	0.000069	0.00153	0.00039	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	956	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	980	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1047	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	953	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	956	0.0005	< 0.00004	0.00407	0.00017	0.00012	< 0.000005	0.000492	0.00036	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	958	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000										

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-49 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	932	8.75	< 2	21	168	39	12.0	10	0.12	< 0.00001
1	CA10041-FEB18	07-Feb-18	1000	1000	8.78	< 2	41	78	9	6.42	2	0.11	< 0.00001
2	CA10116-FEB18	14-Feb-18	1000	1004	8.86	< 2	29	57	4	5.75	< 1	0.07	< 0.00001
3	CA10205-FEB18	21-Feb-18	1000	988	8.76	< 2	23	47	2	5.50	< 1	< 0.06	< 0.00001
4	CA10263-FEB18	28-Feb-18	1000	1007	8.81	< 2	22	45	< 2	5.53	< 1	< 0.06	< 0.00001
5	CA10057-MAR18	07-Mar-18	1000	1009	8.06	< 2	17	40	< 2	4.68	< 1	< 0.06	< 0.00001
6	CA10149-MAR18	14-Mar-18	1000	999	8.06	< 2	17	41	< 2	5.51	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	994	7.93	< 2	18	40	< 2	5.28	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1008	8.87	< 2	16	38	< 2	5.71	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1013	8.52	< 2	16	37	< 2	4.50	---	---	---
10	CA10096-APR18	11-Apr-18	1000	996	7.75	< 2	15	36	< 2	5.05	< 1	< 0.06	< 0.00001
11	CA10295-APR18	18-Apr-18	1000	994	7.70	< 2	15	32	< 2	4.90	---	---	---
12	CA10361-APR18	25-Apr-18	1000	996	7.91	< 2	14	31	< 2	4.82	---	---	---
13	CA10022-MAY18	02-May-18	1000	1006	7.50	< 2	12	33	< 2	4.54	---	---	---
14	CA10105-MAY18	09-May-18	1000	1012	7.74	< 2	14	33	< 2	4.61	---	---	---
15	CA10200-MAY18	16-May-18	1000	1003	7.50	< 2	13	33	< 2	4.31	< 1	< 0.06	< 0.00001
16	CA10297-MAY18	23-May-18	1000	1017	7.70	< 2	14	30	< 2	4.32	---	---	---
17	CA10347-MAY18	30-May-18	1000	1020	7.69	< 2	13	34	< 2	4.30	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	1004	7.89	< 2	12	31	< 2	4.24	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1020	7.56	< 2	11	27	< 2	3.69	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	1011	7.28	< 2	13	29	< 2	4.17	< 1	< 0.06	< 0.00001
21	CA10263-JUN18	27-Jun-18	1000	1006	7.80	< 2	12	29	< 2	4.06	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	1007	7.69	< 2	13	32	< 2	4.06	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	1000	7.59	< 2	11	26	< 2	3.61	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	1008	7.43	< 2	16	29	< 2	3.88	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	997	7.67	< 2	10	25	< 2	3.90	< 1	< 0.06	< 0.00001
26	CA10005-AUG18	01-Aug-18	1000	1014	7.46	< 2	10	25	< 2	3.59	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	1018	7.56	< 2	11	24	< 2	3.61	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	994	7.85	< 2	10	25	< 2	3.42	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	1002	7.07	< 2	9	27	< 2	4.08	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1022	7.40	< 2	11	26	< 2	4.14	< 1	< 0.06	< 0.00001
31	CA10022-SEP18	05-Sep-18	1000	1002	7.34	< 2	10	27	< 2	4.02	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	1002	7.61	< 2	5	24	< 2	3.85	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1027	7.22	< 2	10	22	< 2	3.55	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	1012	7.19	< 2	13	23	< 2	3.88	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1003	7.24	< 2	9	22	< 2	3.31	< 1	< 0.06	< 0.00001
36	CA10076-OCT18	10-Oct-18	1000	1001	7.32	< 2	11	23	< 2	3.56	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---
39	0	31-Oct-18	1000								---	---	---
40	0	07-Nov-18	1000										

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-49 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	932	< 0.00005	0.095	0.0269	0.00559	< 0.000007	0.017	< 0.000007	0.000012	0.000041	0.00003
1	CA10041-FEB18	07-Feb-18	1000	1000	< 0.00005	0.086	0.0279	0.00300	< 0.000007	0.013	< 0.000007	0.000005	0.000017	0.00004
2	CA10116-FEB18	14-Feb-18	1000	1004	< 0.00005	0.078	0.0286	0.00336	< 0.000007	0.006	< 0.000007	0.000013	0.000017	< 0.00003
3	CA10205-FEB18	21-Feb-18	1000	988	< 0.00005	0.079	0.0288	0.00183	< 0.000007	0.005	< 0.000007	0.000011	0.000020	< 0.00003
4	CA10263-FEB18	28-Feb-18	1000	1007	< 0.00005	0.080	0.0284	0.00187	< 0.000007	0.011	< 0.000007	0.000017	0.000031	0.00007
5	CA10057-MAR18	07-Mar-18	1000	1009	< 0.00005	0.063	0.0251	0.00160	< 0.000007	0.003	< 0.000007	0.000011	0.000012	0.00004
6	CA10149-MAR18	14-Mar-18	1000	999	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	994	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1008	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1013	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	996	< 0.00005	0.073	0.0198	0.00143	< 0.000007	0.003	< 0.000007	0.000010	0.000025	< 0.00003
11	CA10295-APR18	18-Apr-18	1000	994	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	996	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1006	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	1012	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1003	< 0.00005	0.065	0.0179	0.00136	< 0.000007	< 0.002	< 0.000007	0.000015	0.000024	0.00003
16	CA10297-MAY18	23-May-18	1000	1017	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1020	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	1004	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1020	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	1011	< 0.00005	0.072	0.0201	0.00111	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000021	< 0.00003
21	CA10263-JUN18	27-Jun-18	1000	1006	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	1007	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	1000	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	1008	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	997	< 0.00005	0.065	0.0128	0.00082	< 0.000007	< 0.002	< 0.000007	0.000005	0.000022	< 0.00003
26	CA10005-AUG18	01-Aug-18	1000	1014	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	1018	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	994	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	1002	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1022	< 0.00005	0.060	0.0122	0.00104	< 0.000007	< 0.002	< 0.000007	0.000006	0.000019	< 0.00003
31	CA10022-SEP18	05-Sep-18	1000	1002	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	1002	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1027	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	1012	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1003	< 0.00005	0.045	0.0093	0.00037	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000021	< 0.00003
36	CA10076-OCT18	10-Oct-18	1000	1001	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000											

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-49 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	932	0.00088	< 0.007	13.9	0.0044	2.38	0.01651	0.00924	4.62	0.0002	< 0.003	0.00014
1	CA10041-FEB18	07-Feb-18	1000	1000	0.00079	0.007	9.13	0.0022	0.960	0.0135	0.00461	1.76	0.0001	< 0.003	0.00010
2	CA10116-FEB18	14-Feb-18	1000	1004	0.00050	< 0.007	4.94	0.0021	0.828	0.0152	0.00240	0.82	< 0.0001	< 0.003	0.00009
3	CA10205-FEB18	21-Feb-18	1000	988	0.00056	0.010	4.02	0.0017	0.539	0.0173	0.00162	0.32	< 0.0001	< 0.003	0.00015
4	CA10263-FEB18	28-Feb-18	1000	1007	0.00048	0.012	4.26	0.0015	0.440	0.0189	0.00117	0.20	< 0.0001	< 0.003	0.00010
5	CA10057-MAR18	07-Mar-18	1000	1009	0.00030	0.008	2.84	0.0010	0.411	0.0177	0.00089	0.15	< 0.0001	< 0.003	0.00009
6	CA10149-MAR18	14-Mar-18	1000	999	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	994	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1008	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1013	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	996	0.00050	0.010	1.51	0.0008	0.364	0.0205	0.00045	0.15	< 0.0001	< 0.003	0.00011
11	CA10295-APR18	18-Apr-18	1000	994	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	996	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1006	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	1012	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1003	0.00047	0.011	1.06	0.0006	0.282	0.0170	0.00044	0.06	< 0.0001	< 0.003	0.00016
16	CA10297-MAY18	23-May-18	1000	1017	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1020	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	1004	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1020	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	1011	0.00039	< 0.007	0.862	0.0005	0.218	0.0167	0.00033	0.04	< 0.0001	< 0.003	0.00007
21	CA10263-JUN18	27-Jun-18	1000	1006	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	1007	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	1000	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	1008	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	997	0.00032	< 0.007	0.839	0.0005	0.190	0.0131	0.00144	0.06	< 0.0001	< 0.003	0.00005
26	CA10005-AUG18	01-Aug-18	1000	1014	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	1018	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	994	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	1002	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1022	0.00026	< 0.007	0.888	0.0003	0.170	0.0150	0.00026	0.04	< 0.0001	< 0.003	0.00005
31	CA10022-SEP18	05-Sep-18	1000	1002	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	1002	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1027	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	1012	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1003	0.00053	< 0.007	0.665	0.0003	0.129	0.0121	0.00020	0.02	< 0.0001	< 0.003	0.00014
36	CA10076-OCT18	10-Oct-18	1000	1001	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000												

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-49 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	932	0.0031	0.00133	0.0434	0.00011	0.00031	0.000062	0.000454	0.00036	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	1000	0.0021	0.00047	0.0207	0.00021	0.00028	0.000015	0.000350	0.00032	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	1004	0.0019	0.00044	0.0168	0.00005	0.00027	0.000034	0.000318	0.00033	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	988	0.0015	0.00035	0.0161	0.00010	0.00041	0.000027	0.000373	0.00033	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	1007	0.0014	0.00030	0.0147	0.00006	0.00043	0.000022	0.000585	0.00031	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	1009	0.0019	0.00031	0.0138	0.00005	0.00032	0.000011	0.000835	0.00024	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	999	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	994	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1008	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1013	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	996	0.0008	0.00015	0.0116	0.00002	0.00039	0.000006	0.00200	0.00024	< 0.002
11	CA10295-APR18	18-Apr-18	1000	994	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	996	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1006	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	1012	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1003	0.0007	0.00014	0.0100	0.00006	0.00042	0.000010	0.00201	0.00022	< 0.002
16	CA10297-MAY18	23-May-18	1000	1017	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1020	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	1004	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1020	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	1011	0.0007	0.00018	0.0098	0.00004	0.00018	0.000013	0.001510	0.00024	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	1006	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	1007	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	1000	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	1008	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	997	0.0005	0.00011	0.00744	0.00003	0.00014	0.000026	0.00106	0.00021	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	1014	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	1018	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	994	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	1002	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1022	0.0006	0.00009	0.00856	0.00006	0.00011	0.000010	0.000845	0.00022	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	1002	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	1002	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1027	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	1012	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1003	0.0004	0.00006	0.00730	0.00005	0.00011	0.000007	0.000409	0.00017	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	1001	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000										

Humidity Cell Results
Customer Golder
Project M Rachel James
SGS Cont Brian Graham

Humidity AMQ-ENV15-068 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag	Al
Week/Even	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	842	9.05	< 2	29	65	5	3.23	2	<0.06	< 0.00001	< 0.00005	0.027
1	CA10041-FEB18	07-Feb-18	1000	898	8.82	< 2	30	89	9	2.82	5	< 0.06	< 0.00001	< 0.00005	0.018
2	CA10116-FEB18	14-Feb-18	1000	998	9.00	< 2	23	74	7	3.12	4	< 0.06	< 0.00001	< 0.00005	0.010
3	CA10205-FEB18	21-Feb-18	1000	983	8.01	< 2	15	59	6	2.50	3	< 0.06	< 0.00001	< 0.00005	0.007
4	CA10263-FEB18	28-Feb-18	1000	1004	8.15	< 2	15	54	6	2.88	2	< 0.06	< 0.00001	< 0.00005	0.007
5	CA10057-MAR18	07-Mar-18	1000	999	7.93	< 2	11	50	6	2.40	1	< 0.06	< 0.00001	< 0.00005	0.005
6	CA10149-MAR18	14-Mar-18	1000	997	7.76	< 2	12	46	6	2.74	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	994	7.53	< 2	11	43	5	2.70	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1012	7.77	< 2	22	53	7	3.54	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1053	7.45	< 2	16	44	4	2.55	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	1010	7.44	< 2	10	33	3	2.41	< 1	< 0.06	< 0.00001	< 0.00005	0.007
11	CA10295-APR18	18-Apr-18	1000	1000	7.55	< 2	9	30	3	2.46	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	992	7.82	< 2	9	28	3	2.12	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1013	7.00	< 2	7	32	3	2.32	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	999	7.50	< 2	17	30	3	2.06	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1031	7.51	< 2	38	28	3	2.47	< 1	< 0.06	< 0.00001	< 0.00005	0.004
16	CA10297-MAY18	23-May-18	1000	1004	7.43	< 2	8	31	2	2.04	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1012	7.38	< 2	10	30	3	2.19	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	1010	7.66	< 2	9	30	3	2.15	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1042	7.33	< 2	10	30	3	1.95	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	996	7.09	< 2	7	23	2	1.97	< 1	< 0.06	< 0.00001	< 0.00005	0.007
21	CA10263-JUN18	27-Jun-18	1000	1016	7.47	< 2	7	26	2	1.83	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	984	7.49	< 2	8	29	2	2.10	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	974	7.48	< 2	8	23	2	2.23	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	983	7.21	< 2	6	25	2	1.96	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	984	7.46	< 2	8	22	2	2.12	< 1	< 0.06	0.00001	< 0.00005	0.005
26	CA10005-AUG18	01-Aug-18	1000	1016	7.49	< 2	7	23	2	1.87	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	994	7.48	< 2	7	20	2	1.91	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	1001	7.68	< 2	7	22	2	1.75	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	1003	7.32	< 2	7	20	2	2.11	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1027	7.38	< 2	7	23	2	2.27	< 1	< 0.06	< 0.00001	< 0.00005	0.003
31	CA10022-SEP18	05-Sep-18	1000	990	7.20	< 2	8	28	< 2	2.23	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	995	7.42	< 2	4	20	3	2.04	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1039	7.32	< 2	8	24	2	2.39	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	996	7.37	< 2	7	19	< 2	2.07	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1019	7.26	< 2	9	23	< 2	2.13	< 1	< 0.06	< 0.00001	< 0.00005	0.002
36	CA10076-OCT18	10-Oct-18	1000	1027	7.07	< 2	6	22	< 2	2.26	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---	---	---
39	0	31-Oct-18	1000								---	---	---	---	---
40	0	07-Nov-18	1000												

Humidity Cell Results
Customer Golder
Project M Rachel James
SGS Cont Brian Graham

Humidity AMQ-ENV15-068 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu	Fe	K	Li	Mg
Week/Even	LIMS	Sample Date	mL	mL	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
0	CA10332-JAN18	31-Jan-18	1000	842	0.216	0.00532	< 0.000007	0.043	< 0.000007	< 0.000003	0.000043	0.00113	0.00052	0.01	1.18	0.0013	0.402
1	CA10041-FEB18	07-Feb-18	1000	898	2.97	0.00501	< 0.000007	0.054	< 0.000007	< 0.000003	0.000148	0.00123	0.00027	0.010	1.92	0.0002	0.644
2	CA10116-FEB18	14-Feb-18	1000	998	4.65	0.00679	< 0.000007	0.047	< 0.000007	< 0.000003	0.000284	0.00086	0.00024	0.008	1.53	0.0007	0.928
3	CA10205-FEB18	21-Feb-18	1000	983	4.08	0.00519	< 0.000007	0.031	< 0.000007	0.000004	0.000276	0.00041	0.00022	0.008	0.890	0.0003	0.603
4	CA10263-FEB18	28-Feb-18	1000	1004	4.15	0.00681	< 0.000007	0.035	< 0.000007	< 0.000003	0.000332	0.00032	0.00031	< 0.007	1.65	0.0003	0.830
5	CA10057-MAR18	07-Mar-18	1000	999	3.57	0.00600	< 0.000007	0.019	< 0.000007	< 0.000003	0.000332	0.00022	0.00039	< 0.007	0.931	0.0002	0.673
6	CA10149-MAR18	14-Mar-18	1000	997	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	994	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1012	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1053	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	1010	1.71	0.00654	< 0.000007	0.011	< 0.000007	< 0.000003	0.000381	0.00012	0.00029	0.007	0.889	0.0003	0.616
11	CA10295-APR18	18-Apr-18	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	992	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1013	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	999	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1031	2.41	0.00861	< 0.000007	0.012	< 0.000007	< 0.000003	0.000479	0.00010	0.00020	< 0.007	0.946	0.0003	0.855
16	CA10297-MAY18	23-May-18	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1012	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1042	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	996	1.30	0.00623	< 0.000007	0.005	< 0.000007	< 0.000003	0.000315	0.00007	0.00032	< 0.007	0.685	0.0002	0.482
21	CA10263-JUN18	27-Jun-18	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	984	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	974	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	983	---	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	984	0.730	0.00526	< 0.000007	0.003	< 0.000007	< 0.000003	0.000320	0.00011	0.00019	< 0.007	0.718	0.0003	0.418
26	CA10005-AUG18	01-Aug-18	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	994	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1027	0.978	0.00784	< 0.000007	0.004	< 0.000007	< 0.000003	0.000309	0.00004	0.00012	< 0.007	0.792	0.0002	0.511
31	CA10022-SEP18	05-Sep-18	1000	990	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	995	---	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1039	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	996	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1019	0.843	0.00753	< 0.000007	0.002	< 0.000007	< 0.000003	0.000322	0.00003	0.00101	< 0.007	0.707	0.0002	0.497
36	CA10076-OCT18	10-Oct-18	1000	1027	---	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000														

Humidity Cell Results
Customer Golder
Project M Rachel James
SGS Cont Brian Graham

Humidity AMQ-ENV15-068 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Sn	Ti	Tl	U
Week/Even	LIMS	Sample Date	mL	mL	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
0	CA10332-JAN18	31-Jan-18	1000	842	0.00501	0.00345	7.57	0.0007	< 0.003	0.0001	0.0113	0.00085	0.0209	0.00021	0.00019	0.000013	0.00005
1	CA10041-FEB18	07-Feb-18	1000	898	0.0113	0.00041	15.0	0.0017	< 0.003	0.00006	0.0331	0.00052	0.0211	0.00020	0.00020	< 0.000005	0.000013
2	CA10116-FEB18	14-Feb-18	1000	998	0.0242	0.00039	11.8	0.0028	< 0.003	0.00002	0.0404	0.00073	0.0204	0.00009	0.00012	0.000006	0.000017
3	CA10205-FEB18	21-Feb-18	1000	983	0.0221	0.00014	7.96	0.0024	< 0.003	0.00003	0.0277	0.00040	0.0197	0.00007	0.00006	0.000007	0.000084
4	CA10263-FEB18	28-Feb-18	1000	1004	0.0253	0.00009	6.66	0.0030	< 0.003	< 0.00001	0.0263	0.00034	0.0211	0.00008	< 0.00005	< 0.000005	0.000023
5	CA10057-MAR18	07-Mar-18	1000	999	0.0203	0.00005	6.32	0.0028	< 0.003	< 0.00001	0.0240	0.00026	0.0215	0.00006	0.00017	< 0.000005	0.000009
6	CA10149-MAR18	14-Mar-18	1000	997	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	994	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	1012	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1053	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	1010	0.0198	0.00002	2.53	0.0029	< 0.003	0.00001	0.0144	0.00015	0.0167	0.00004	0.00016	0.000007	0.000006
11	CA10295-APR18	18-Apr-18	1000	1000	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	992	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	1013	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	999	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1031	0.0130	0.00002	2.07	0.0040	< 0.003	0.00001	0.0208	0.00023	0.0206	0.00007	< 0.00005	0.000013	0.000007
16	CA10297-MAY18	23-May-18	1000	1004	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1012	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	1010	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1042	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	996	0.0124	< 0.00001	1.02	0.0020	< 0.003	0.00002	0.0110	0.00017	0.0141	0.00011	< 0.00005	0.000010	0.000008
21	CA10263-JUN18	27-Jun-18	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	984	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	974	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	983	---	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	984	0.0139	0.00001	0.84	0.0018	< 0.003	< 0.00001	0.0075	0.00013	0.0113	0.00002	0.00007	< 0.000005	0.000002
26	CA10005-AUG18	01-Aug-18	1000	1016	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	994	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	1001	---	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	1003	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1027	0.0115	0.00013	0.66	0.0022	< 0.003	< 0.00001	0.0105	0.00012	0.0134	0.00009	< 0.00005	0.000007	0.000006
31	CA10022-SEP18	05-Sep-18	1000	990	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	995	---	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1039	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	996	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1019	0.00969	0.00002	0.54	0.0023	< 0.003	< 0.00001	0.0094	0.00010	0.0131	0.00003	< 0.00005	< 0.000005	0.000023
36	CA10076-OCT18	10-Oct-18	1000	1027	---	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000														

Humidity Cell Results
Customer Golder
Project M Rachel James
SGS Cont Brian Graham

Humidity AMQ-ENV15-068 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	V	Zn
Week/Even	LIMS	Sample Date	mL	mL	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	842	0.00297	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	898	0.00473	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	998	0.00453	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	983	0.00319	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	1004	0.00287	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	999	0.00234	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	997	---	---
7	CA10232-MAR18	21-Mar-18	1000	994	---	---
8	CA10331-MAR18	28-Mar-18	1000	1012	---	---
9	CA10028-APR18	04-Apr-18	1000	1053	---	---
10	CA10096-APR18	11-Apr-18	1000	1010	0.00158	< 0.002
11	CA10295-APR18	18-Apr-18	1000	1000	---	---
12	CA10361-APR18	25-Apr-18	1000	992	---	---
13	CA10022-MAY18	02-May-18	1000	1013	---	---
14	CA10105-MAY18	09-May-18	1000	999	---	---
15	CA10200-MAY18	16-May-18	1000	1031	0.00156	< 0.002
16	CA10297-MAY18	23-May-18	1000	1004	---	---
17	CA10347-MAY18	30-May-18	1000	1012	---	---
18	CA10024-JUN18	06-Jun-18	1000	1010	---	---
19	CA10093-JUN18	13-Jun-18	1000	1042	---	---
20	CA10168-JUN18	20-Jun-18	1000	996	0.00125	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	1016	---	---
22	CA10020-JUL18	04-Jul-18	1000	984	---	---
23	CA10070-JUL18	11-Jul-18	1000	974	---	---
24	CA10101-JUL18	18-Jul-18	1000	983	---	---
25	CA10203-JUL18	25-Jul-18	1000	984	0.00113	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	1016	---	---
27	CA10055-AUG18	08-Aug-18	1000	994	---	---
28	CA10142-AUG18	15-Aug-18	1000	1001	---	---
29	CA10230-AUG18	22-Aug-18	1000	1003	---	---
30	CA10277-AUG18	29-Aug-18	1000	1027	0.00104	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	990	---	---
32	CA10105-SEP18	12-Sep-18	1000	995	---	---
33	CA10173-SEP18	19-Sep-18	1000	1039	---	---
34	CA10266-SEP18	26-Sep-18	1000	996	---	---
35	CA10020-OCT18	03-Oct-18	1000	1019	0.00097	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	1027	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---
39	0	31-Oct-18	1000		---	---
40	0	07-Nov-18	1000			

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-120 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	855	9.21	< 2	24	70	7	3.84	2	0.09	< 0.00001
1	CA10041-FEB18	07-Feb-18	1000	888	8.01	< 2	13	74	9	2.75	6	0.09	< 0.00001
2	CA10116-FEB18	14-Feb-18	1000	944	8.34	< 2	11	57	7	2.32	4	0.08	< 0.00001
3	CA10205-FEB18	21-Feb-18	1000	946	7.24	< 2	9	39	4	1.98	2	0.06	< 0.00001
4	CA10263-FEB18	28-Feb-18	1000	951	7.58	< 2	7	31	3	1.95	1	< 0.06	< 0.00001
5	CA10057-MAR18	07-Mar-18	1000	955	7.40	< 2	16	29	2	1.52	1	< 0.06	< 0.00001
6	CA10149-MAR18	14-Mar-18	1000	960	7.47	< 2	9	27	2	1.82	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	941	7.27	< 2	6	24	2	1.57	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	976	7.36	<2	7	22	< 2	1.79	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1029	7.43	< 2	7	21	< 2	1.39	---	---	---
10	CA10096-APR18	11-Apr-18	1000	955	7.26	< 2	7	19	< 2	1.66	< 1	< 0.06	< 0.00001
11	CA10295-APR18	18-Apr-18	1000	967	7.40	< 2	6	17	< 2	1.57	---	---	---
12	CA10361-APR18	25-Apr-18	1000	978	7.41	< 2	6	18	< 2	1.49	---	---	---
13	CA10022-MAY18	02-May-18	1000	977	7.35	< 2	6	20	< 2	1.79	---	---	---
14	CA10105-MAY18	09-May-18	1000	952	7.41	< 2	7	17	< 2	1.33	---	---	---
15	CA10200-MAY18	16-May-18	1000	1011	7.37	11	37	18	< 2	2.10	1	< 0.06	< 0.00001
16	CA10297-MAY18	23-May-18	1000	946	7.60	< 2	7	18	< 2	1.64	---	---	---
17	CA10347-MAY18	30-May-18	1000	979	7.31	< 2	8	16	< 2	1.83	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	986	7.48	< 2	7	24	2	3.14	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1022	7.27	< 2	7	21	< 2	2.05	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	966	6.97	< 2	6	17	< 2	1.57	< 1	< 0.06	< 0.00001
21	CA10263-JUN18	27-Jun-18	1000	978	7.40	< 2	7	19	< 2	1.72	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	959	7.18	< 2	5	18	< 2	1.48	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	959	7.35	< 2	5	15	< 2	1.44	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	974	7.19	< 2	6	17	< 2	1.53	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	961	7.29	< 2	5	14	< 2	1.46	< 1	< 0.06	< 0.00001
26	CA10005-AUG18	01-Aug-18	1000	998	7.12	< 2	6	17	< 2	1.64	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	948	7.11	< 2	5	15	< 2	1.53	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	1000	6.93	< 2	7	17	< 2	1.79	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	970	7.17	< 2	3	14	< 2	1.62	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1016	7.25	< 2	7	19	< 2	2.34	1	< 0.06	< 0.00001
31	CA10022-SEP18	05-Sep-18	1000	944	7.22	< 2	3	15	< 2	1.62	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	976	7.17	< 2	3	16	< 2	1.53	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1009	7.02	< 2	6	18	< 2	2.08	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	974	6.92	< 2	5	14	< 2	1.70	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	994	7.05	< 2	7	18	< 2	2.00	1	< 0.06	< 0.00001
36	CA10076-OCT18	10-Oct-18	1000	984	6.96	< 2	5	16	< 2	2.09	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---
39	0	31-Oct-18	1000								---	---	---
40	0	07-Nov-18	1000										

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-120 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	855	< 0.00005	0.472	0.0112	0.00112	< 0.000007	0.003	< 0.000007	< 0.000003	0.000026	0.00021
1	CA10041-FEB18	07-Feb-18	1000	888	0.00005	0.114	0.0094	0.00256	< 0.000007	0.019	< 0.000007	0.000004	0.000021	0.00006
2	CA10116-FEB18	14-Feb-18	1000	944	< 0.00005	0.110	0.0076	0.00101	< 0.000007	0.017	< 0.000007	< 0.000003	0.000012	0.00003
3	CA10205-FEB18	21-Feb-18	1000	946	< 0.00005	0.097	0.0064	0.00063	< 0.000007	0.013	0.000009	0.000003	0.000006	< 0.00003
4	CA10263-FEB18	28-Feb-18	1000	951	< 0.00005	0.091	0.0060	0.00050	< 0.000007	0.098	< 0.000007	< 0.000003	0.000010	< 0.00003
5	CA10057-MAR18	07-Mar-18	1000	955	< 0.00005	0.067	0.0049	0.00106	< 0.000007	0.009	< 0.000007	< 0.000003	< 0.000004	0.00003
6	CA10149-MAR18	14-Mar-18	1000	960	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	941	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	976	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1029	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	955	< 0.00005	0.068	0.0035	0.00043	< 0.000007	0.004	< 0.000007	0.000006	0.000011	< 0.00003
11	CA10295-APR18	18-Apr-18	1000	967	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	978	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	977	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	952	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1011	< 0.00005	0.048	0.0041	0.00065	< 0.000007	0.004	< 0.000007	0.000004	0.000006	< 0.00003
16	CA10297-MAY18	23-May-18	1000	946	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	979	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	986	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1022	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	966	< 0.00005	0.067	0.0035	0.00041	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000014	< 0.00003
21	CA10263-JUN18	27-Jun-18	1000	978	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	959	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	959	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	974	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	961	< 0.00005	0.056	0.0022	0.00104	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000008	< 0.00003
26	CA10005-AUG18	01-Aug-18	1000	998	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	948	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	1000	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	970	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1016	< 0.00005	0.050	0.0025	0.00056	< 0.000007	0.002	< 0.000007	< 0.000003	0.000010	< 0.00003
31	CA10022-SEP18	05-Sep-18	1000	944	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	976	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1009	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	974	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	994	< 0.00005	0.035	0.0017	0.00019	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000008	< 0.00003
36	CA10076-OCT18	10-Oct-18	1000	984	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000											

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-120 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	855	0.00024	0.013	8.94	0.002	0.265	0.00313	0.00109	2.42	0.0002	0.012	0.00005
1	CA10041-FEB18	07-Feb-18	1000	888	0.00056	0.012	10.6	0.0017	0.447	0.0100	0.00062	4.31	0.0003	< 0.003	0.00015
2	CA10116-FEB18	14-Feb-18	1000	944	0.00020	0.007	8.35	0.0018	0.338	0.0106	0.00072	3.25	0.0001	< 0.003	0.00004
3	CA10205-FEB18	21-Feb-18	1000	946	0.00023	< 0.007	5.82	0.0023	0.293	0.0093	0.00365	1.89	< 0.0001	< 0.003	0.00002
4	CA10263-FEB18	28-Feb-18	1000	951	0.00024	< 0.007	5.93	0.0013	0.226	0.00897	0.00041	1.13	< 0.0001	< 0.003	0.00001
5	CA10057-MAR18	07-Mar-18	1000	955	0.00024	< 0.007	3.96	0.0007	0.233	0.00675	0.00033	0.58	< 0.0001	< 0.003	0.00002
6	CA10149-MAR18	14-Mar-18	1000	960	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	941	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	976	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1029	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	955	0.00024	< 0.007	2.45	0.0006	0.259	0.00696	0.00019	0.32	< 0.0001	< 0.003	0.00002
11	CA10295-APR18	18-Apr-18	1000	967	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	978	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	977	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	952	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1011	0.00015	< 0.007	2.09	0.0006	0.332	0.00666	0.00022	0.16	< 0.0001	< 0.003	0.00002
16	CA10297-MAY18	23-May-18	1000	946	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	979	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	986	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1022	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	966	0.00032	< 0.007	1.21	0.0004	0.192	0.00500	0.00012	0.08	< 0.0001	< 0.003	0.00002
21	CA10263-JUN18	27-Jun-18	1000	978	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	959	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	959	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	974	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	961	0.00011	< 0.007	1.14	0.0005	0.183	0.00434	0.00016	0.09	< 0.0001	< 0.003	< 0.00001
26	CA10005-AUG18	01-Aug-18	1000	998	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	948	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	1000	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	970	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1016	0.00015	0.008	1.30	0.0003	0.219	0.00824	0.00032	0.08	< 0.0001	< 0.003	< 0.00001
31	CA10022-SEP18	05-Sep-18	1000	944	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	976	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1009	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	974	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	994	0.00059	< 0.007	0.963	0.0004	0.181	0.00590	0.00012	0.05	< 0.0001	< 0.003	0.00002
36	CA10076-OCT18	10-Oct-18	1000	984	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000												

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV15-120 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	855	0.0015	0.0003	0.0142	0.0001	0.00061	0.000012	0.000145	0.0013	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	888	0.0020	0.00019	0.0192	0.00015	0.00069	0.000008	0.000457	0.00057	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	944	0.0021	0.00024	0.0132	0.00006	0.00050	0.000007	0.000489	0.00063	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	946	0.0019	0.00011	0.0117	0.00006	0.00034	< 0.000005	0.000488	0.00057	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	951	0.0014	0.00009	0.00951	0.00007	0.00025	< 0.000005	0.000450	0.00056	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	955	0.0016	0.00010	0.0115	0.00004	0.00021	< 0.000005	0.000524	0.00042	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	960	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	941	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	976	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1029	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	955	0.0009	0.00005	0.00690	0.00004	0.00023	< 0.000005	0.000829	0.00042	< 0.002
11	CA10295-APR18	18-Apr-18	1000	967	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	978	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	977	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	952	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1011	0.0011	0.00006	0.0098	0.00007	0.00020	< 0.000005	0.00197	0.00040	< 0.002
16	CA10297-MAY18	23-May-18	1000	946	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	979	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	986	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1022	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	966	0.0012	0.00005	0.0062	0.00005	0.00012	< 0.000005	0.001187	0.00043	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	978	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	959	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	959	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	974	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	961	0.0006	< 0.00004	0.00494	0.00002	0.00008	< 0.000005	0.000674	0.00037	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	998	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	948	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	1000	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	970	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1016	0.0007	< 0.00004	0.00808	0.00005	< 0.00005	0.000005	0.000960	0.00040	0.003
31	CA10022-SEP18	05-Sep-18	1000	944	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	976	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1009	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	974	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	994	0.0006	< 0.00004	0.00723	0.00006	< 0.00005	< 0.000005	0.000484	0.00034	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	984	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000										

Humidity Cell Results
Customer: Golder
Project Manag Rachel James
SGS Contact: Brian Graham

AMQ-ENV15-120
Humidity Cell: Saline Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	1020	9.16	< 2	90	23900	4	6490	9000	0.07	< 0.00001	< 0.00005
1	CA10041-FEB18	07-Feb-18	1000	910	7.50	< 2	7	3930	4	1000	1300	< 0.06	< 0.00001	< 0.00005
2	CA10116-FEB18	14-Feb-18	1000	965	7.33	9	6	4360	3	758	1600	< 0.06	< 0.00001	< 0.00005
3	CA10205-FEB18	21-Feb-18	1000	965	6.89	3	5	2580	3	706	910	< 0.06	< 0.00001	0.00007
4	CA10263-FEB18	28-Feb-18	1000	996	7.19	2	4	1450	4	436	480	< 0.06	< 0.00001	< 0.00005
5	CA10057-MAR18	07-Mar-18	1000	1002	7.13	< 2	4	645	3	146	180	< 0.06	< 0.00001	< 0.00005
6	CA10149-MAR18	14-Mar-18	1000	973	7.13	< 2	5	332	3	46.7	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	987	7.16	< 2	5	196	3	31.0	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	964	7.14	< 2	6	120	3	18.0	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	905	7.18	<2	5	72	< 2	5.51	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	982	7.17	< 2	6	50	2	6.73	8	< 0.06	< 0.00001	< 0.00005
11	CA10295-APR18	18-Apr-18	1000	970	7.31	< 2	7	39	2	5.11	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	955	7.35	< 2	7	35	2	4.79	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	995	7.08	< 2	6	36	2	5.08	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	971	7.56	< 2	6	25	2	3.10	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1007	7.37	13	34	26	2	4.14	2	< 0.06	< 0.00001	< 0.00005
16	CA10297-MAY18	23-May-18	1000	966	7.34	< 2	7	28	2	3.82	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	996	7.28	< 2	7	28	2	3.55	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	971	7.34	< 2	8	21	< 2	1.89	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1027	7.32	< 2	8	26	2	3.00	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	985	6.77	< 2	5	20	< 2	2.87	1	< 0.06	< 0.00001	< 0.00005
21	CA10263-JUN18	27-Jun-18	1000	991	7.28	< 2	30	19	< 2	2.27	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	970	7.34	< 2	6	22	< 2	2.28	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	960	7.02	< 2	5	17	< 2	2.10	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	985	7.21	< 2	6	20	< 2	2.54	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	962	7.25	< 2	5	16	< 2	2.17	1	< 0.06	0.00001	< 0.00005
26	CA10005-AUG18	01-Aug-18	1000	992	7.13	< 2	5	20	< 2	2.35	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	984	7.18	< 2	5	17	< 2	2.24	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	981	7.38	< 2	6	18	< 2	2.19	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	971	7.14	< 2	4	17	< 2	2.20	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1003	7.10	< 2	6	22	< 2	3.20	2	< 0.06	< 0.00001	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	992	7.59	< 2	2	23	< 2	3.09	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	990	7.22	< 2	3	17	< 2	2.31	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1013	6.97	< 2	6	20	< 2	2.80	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	983	7.08	< 2	5	18	< 2	2.34	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1000	6.97	< 2	6	20	< 2	2.59	1	< 0.06	< 0.00001	< 0.00005
36	CA10076-OCT18	10-Oct-18	1000	1015	7.22	< 2	6	21	< 2	3.09				
37	CA10125-OCT18	17-Oct-18	1000											
38	CA10199-OCT18	24-Oct-18	1000											
39	0	31-Oct-18	1000											
40	0	07-Nov-18	1000											

Duplicate will be soaked initially with a salt solution and allowed to drain prior to starting the HCT.
Please measure volume of salt solution added and volume recovered after it is drained.
The salt solution will be 20% using the salt that we've requested to be sent from Meliadine.
Saline leachate volume = 1027ml

Humidity Cell Results
Customer: Golder
Project Manag Rachel James
SGS Contact: Brian Graham

AMQ-ENV15-120
Humidity Cell: Saline Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu	Fe	K
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	1020	0.172	0.0124	1.14	< 0.000007	17.1	0.000031	0.00004	0.00013	0.00006	0.0014	0.008	268
1	CA10041-FEB18	07-Feb-18	1000	910	0.040	0.0024	0.236	< 0.000007	2.81	0.000031	0.000081	0.000127	0.00004	0.00038	< 0.007	59.5
2	CA10116-FEB18	14-Feb-18	1000	965	0.031	0.0018	0.265	< 0.000007	3.40	0.000021	0.000218	0.000186	0.00009	0.00025	< 0.007	48.3
3	CA10205-FEB18	21-Feb-18	1000	965	0.030	0.0020	0.143	< 0.000007	2.28	0.000038	0.000142	0.000141	< 0.00003	0.00020	< 0.007	27.7
4	CA10263-FEB18	28-Feb-18	1000	996	0.032	0.0027	0.0650	< 0.000007	1.69	0.000009	0.000060	0.000144	< 0.00003	0.00029	< 0.007	23.7
5	CA10057-MAR18	07-Mar-18	1000	1002	0.031	0.0020	0.0178	< 0.000007	0.675	< 0.000007	0.000019	0.000066	0.00020	0.00047	0.015	9.77
6	CA10149-MAR18	14-Mar-18	1000	973	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	987	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	964	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	905	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	982	0.044	0.0019	0.00093	< 0.000007	0.078	< 0.000007	0.000003	0.000006	< 0.00003	0.00019	< 0.007	1.74
11	CA10295-APR18	18-Apr-18	1000	970	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	955	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	995	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	971	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1007	0.044	0.0037	0.00211	< 0.000007	0.039	< 0.000007	0.000004	0.000010	< 0.00003	0.00017	0.009	1.27
16	CA10297-MAY18	23-May-18	1000	966	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	996	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	971	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1027	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	985	0.059	0.0040	0.00043	< 0.000007	0.015	< 0.000007	< 0.000003	0.000010	< 0.00003	0.00025	< 0.007	0.858
21	CA10263-JUN18	27-Jun-18	1000	991	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	970	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	960	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	985	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	962	0.055	0.0023	0.00030	< 0.000007	0.009	< 0.000007	0.000003	0.000009	< 0.00003	0.00020	< 0.007	0.754
26	CA10005-AUG18	01-Aug-18	1000	992	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	984	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	981	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	971	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1003	0.045	0.0023	0.00048	< 0.000007	0.007	< 0.000007	< 0.000003	0.000008	< 0.00003	0.00014	< 0.007	0.890
31	CA10022-SEP18	05-Sep-18	1000	992	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	990	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1013	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	983	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1000	0.034	0.0043	< 0.00002	< 0.000007	0.005	< 0.000007	< 0.000003	0.000011	0.00004	0.00113	< 0.007	0.678
36	CA10076-OCT18	10-Oct-18	1000	1015												
37	CA10125-OCT18	17-Oct-18	1000													
38	CA10199-OCT18	24-Oct-18	1000													
39	0	31-Oct-18	1000													
40	0	07-Nov-18	1000													

Duplicate will be soaked initially with a salt solution and allowed to drain prior to starting the
Please measure volume of salt solution added and volume recovered after it is drained.
The salt solution will be 20% using the salt that we've requested to be sent from Meliadine.
Saline leachate volume = 1027ml

Humidity Cell Results
Customer: Golder
Project Manag Rachel James
SGS Contact: Brian Graham

AMQ-ENV15-120
Humidity Cell: Saline Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Sn	Ti
Week/Event	LIMS	Sample Date	mL	mL	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
0	CA10332-JAN18	31-Jan-18	1000	1020	16.7	3.57	0.01014	0.00363	131	0.0013	0.004	0.00013	0.0021	0.00031	260	0.0001	0.00007
1	CA10041-FEB18	07-Feb-18	1000	910	3.33	2.97	0.0483	0.00074	26.2	0.0015	< 0.003	0.00015	0.0017	0.00014	35.4	0.00023	< 0.00005
2	CA10116-FEB18	14-Feb-18	1000	965	4.10	2.83	0.0770	0.00063	23.8	0.0016	< 0.003	0.00011	0.0020	0.00012	41.7	0.00009	< 0.00005
3	CA10205-FEB18	21-Feb-18	1000	965	2.44	2.13	0.0585	0.00067	13.7	0.0012	< 0.003	< 0.00001	0.0015	0.00012	25.2	0.00007	< 0.00005
4	CA10263-FEB18	28-Feb-18	1000	996	1.40	1.51	0.0438	0.00059	7.97	0.0010	< 0.003	< 0.00001	0.0012	0.00009	14.4	0.00006	< 0.00005
5	CA10057-MAR18	07-Mar-18	1000	1002	0.445	0.681	0.0205	0.00042	3.75	0.0003	< 0.003	0.00010	0.0014	0.00007	5.59	0.00004	< 0.00005
6	CA10149-MAR18	14-Mar-18	1000	973	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	987	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	964	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	905	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	982	0.0251	0.136	0.00728	0.00021	0.37	0.0002	< 0.003	0.00002	0.0019	0.00005	0.217	0.00003	0.00013
11	CA10295-APR18	18-Apr-18	1000	970	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	955	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	995	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	971	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1007	0.0108	0.123	0.00704	0.00028	0.18	0.0002	< 0.003	0.00002	0.0011	0.00008	0.118	0.00004	0.00033
16	CA10297-MAY18	23-May-18	1000	966	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	996	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	971	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1027	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	985	0.0049	0.090	0.00483	0.00016	0.11	< 0.0001	< 0.003	0.00002	0.0008	0.00009	0.0703	0.00006	0.00007
21	CA10263-JUN18	27-Jun-18	1000	991	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	970	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	960	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	985	---	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	962	0.0038	0.077	0.00479	0.00017	0.09	< 0.0001	< 0.003	0.00001	0.0005	0.00004	0.0419	0.00002	0.00012
26	CA10005-AUG18	01-Aug-18	1000	992	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	984	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	981	---	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	971	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1003	0.0028	0.110	0.00703	0.00016	0.08	< 0.0001	< 0.003	< 0.00001	0.0007	0.00006	0.06650	0.00005	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	992	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	990	---	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1013	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	983	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1000	0.0022	0.097	0.00453	0.00013	0.06	< 0.0001	< 0.003	0.00012	0.0005	0.00007	0.0526	0.00004	< 0.00005
36	CA10076-OCT18	10-Oct-18	1000	1015													
37	CA10125-OCT18	17-Oct-18	1000														
38	CA10199-OCT18	24-Oct-18	1000														
39	0	31-Oct-18	1000														
40	0	07-Nov-18	1000														

Duplicate will be soaked initially with a salt solution and allowed to drain prior to starting the
Please measure volume of salt solution added and volume recovered after it is drained.
The salt solution will be 20% using the salt that we've requested to be sent from Meliadine.
Saline leachate volume = 1027ml

Humidity Cell Results
Customer: Golder
Project Manag Rachel James
SGS Contact: Brian Graham

AMQ-ENV15-120
Humidity Cell: Saline Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	1020	0.0207	0.000108	0.00105	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	910	0.001001	0.001320	0.00013	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	965	0.00106	0.00256	0.00010	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	965	0.000440	0.00193	0.00012	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	996	0.000238	0.00160	0.00015	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	1002	0.000174	0.000773	0.00013	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	973	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	987	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	964	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	905	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	982	0.000020	0.000180	0.00023	< 0.002
11	CA10295-APR18	18-Apr-18	1000	970	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	955	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	995	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	971	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1007	0.000020	0.000582	0.00033	< 0.002
16	CA10297-MAY18	23-May-18	1000	966	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	996	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	971	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1027	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	985	0.000014	0.000570	0.00040	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	991	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	970	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	960	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	985	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	962	0.000014	0.000349	0.00034	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	992	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	984	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	981	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	971	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1003	0.000014	0.000717	0.00037	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	992	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	990	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1013	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	983	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	1000	0.000011	0.000500	0.00036	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	1015				
37	CA10125-OCT18	17-Oct-18	1000					
38	CA10199-OCT18	24-Oct-18	1000					
39	0	31-Oct-18	1000					
40	0	07-Nov-18	1000					

Duplicate will be soaked initially with a salt solution and allowed to drain prior to starting the
Please measure volume of salt solution added and volume recovered after it is drained.
The salt solution will be 20% using the salt that we've requested to be sent from Meliadine.
Saline leachate volume = 1027ml

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV17-44 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg	Ag
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	836	7.31	< 2	8	29	< 2	1.82	1	<0.06	< 0.00001	< 0.00005
1	CA10041-FEB18	07-Feb-18	1000	887	7.97	< 2	11	46	2	3.12	2	< 0.06	< 0.00001	< 0.00005
2	CA10116-FEB18	14-Feb-18	1000	903	7.40	< 2	7	28	< 2	1.92	1	< 0.06	< 0.00001	< 0.00005
3	CA10205-FEB18	21-Feb-18	1000	917	7.54	< 2	8	48	4	2.90	4	< 0.06	< 0.00001	< 0.00005
4	CA10263-FEB18	28-Feb-18	1000	948	7.84	< 2	8	29	< 2	1.95	2	< 0.06	< 0.00001	< 0.00005
5	CA10057-MAR18	07-Mar-18	1000	955	7.37	< 2	6	37	3	1.97	3	< 0.06	< 0.00001	0.00010
6	CA10149-MAR18	14-Mar-18	1000	943	7.34	< 2	7	34	4	1.87	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	946	7.27	< 2	6	31	3	1.84	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	967	7.26	5	7	32	3	1.91	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1050	7.32	< 2	12	44	3	2.22	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	940	7.18	< 2	5	24	< 2	1.49	1	< 0.06	< 0.00001	< 0.00005
11	CA10295-APR18	18-Apr-18	1000	956	7.39	< 2	6	22	< 2	1.44	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	943	7.31	< 2	5	20	< 2	1.33	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	976	7.05	< 2	5	26	2	1.45	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	931	7.36	< 2	6	25	2	1.42	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1047	7.46	40	40	30	2	2.30	2	< 0.06	< 0.00001	< 0.00005
16	CA10297-MAY18	23-May-18	1000	920	7.67	< 2	7	21	< 2	1.31	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	936	7.58	< 2	6	23	< 2	1.42	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	946	7.30	< 2	6	22	< 2	1.49	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1040	7.44	< 2	10	39	3	2.56	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	912	7.02	< 2	5	20	< 2	1.29	1	< 0.06	< 0.00001	< 0.00005
21	CA10263-JUN18	27-Jun-18	1000	971	7.37	< 2	7	24	< 2	1.28	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	906	7.35	< 2	6	34	< 2	1.29	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	930	7.36	< 2	6	20	< 2	1.25	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	934	7.58	< 2	6	19	< 2	1.29	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	938	7.43	< 2	6	19	< 2	1.34	1	< 0.06	0.00002	0.00008
26	CA10005-AUG18	01-Aug-18	1000	7.21	< 2	5	21	< 2	1.21		---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	911	7.26	< 2	6	18	< 2	1.23	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	981	7.14	< 2	3	20	< 2	0.96	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	927	7.24	< 2	6	19	< 2	1.30	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1010	7.12	< 2	8	23	< 2	1.48	2	< 0.06	< 0.00001	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	922	7.72	< 2	2	21	< 2	1.24	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	940	7.37	< 2	3	20	< 2	1.27	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1042	7.24	< 2	9	30	< 2	1.97	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	933	7.30	< 2	6	16	< 2	1.28	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	977	7.47	< 2	4	16	< 2	0.86	1	< 0.06	< 0.00001	< 0.00005
36	CA10076-OCT18	10-Oct-18	1000	980	6.91	< 2	6	15	< 2	0.86	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---	---
39	0	31-Oct-18	1000								---	---	---	---
40	0	07-Nov-18	1000											

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV17-44 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Al	As	Ba	Be	B	Bi	Cd	Co	Cr	Cu	Fe	K
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	836	0.005	0.0229	0.00332	< 0.000007	0.005	< 0.000007	< 0.000003	0.000039	0.00004	0.0003	< 0.007	2.39
1	CA10041-FEB18	07-Feb-18	1000	887	0.004	1.07	0.00884	< 0.000007	0.112	0.000011	< 0.000003	0.000073	0.00012	0.00045	< 0.007	5.68
2	CA10116-FEB18	14-Feb-18	1000	903	0.005	1.71	0.00569	< 0.000007	0.005	< 0.000007	< 0.000003	0.000148	0.00017	0.00021	< 0.007	2.88
3	CA10205-FEB18	21-Feb-18	1000	917	0.005	3.10	0.00839	< 0.000007	0.059	< 0.000007	< 0.000003	0.000221	0.00010	0.00021	< 0.007	4.86
4	CA10263-FEB18	28-Feb-18	1000	948	0.006	3.01	0.00547	< 0.000007	0.010	< 0.000007	< 0.000003	0.000293	0.00021	0.00027	< 0.007	3.92
5	CA10057-MAR18	07-Mar-18	1000	955	0.004	2.68	0.00558	< 0.000007	0.002	< 0.000007	< 0.000003	0.000400	0.00019	0.00023	< 0.007	4.06
6	CA10149-MAR18	14-Mar-18	1000	943	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	946	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	967	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1050	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	940	0.008	1.80	0.00341	< 0.000007	0.002	< 0.000007	< 0.000003	0.000609	0.00039	0.00026	0.010	2.17
11	CA10295-APR18	18-Apr-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	943	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	976	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	931	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1047	0.005	4.30	0.00509	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.00198	0.00023	0.00013	< 0.007	3.58
16	CA10297-MAY18	23-May-18	1000	920	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	936	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	946	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1040	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	912	0.005	1.74	0.00288	< 0.000007	0.003	< 0.000007	< 0.000003	0.000604	0.00022	0.00026	< 0.007	1.56
21	CA10263-JUN18	27-Jun-18	1000	971	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	906	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	930	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	934	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	938	0.004	1.11	0.00273	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000399	0.00011	0.00012	< 0.007	2.05
26	CA10005-AUG18	01-Aug-18	1000	7.21	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	911	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	981	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	927	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1010	0.002	1.30	0.00365	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000950	0.00003	0.00014	< 0.007	2.07
31	CA10022-SEP18	05-Sep-18	1000	922	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	940	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1042	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	933	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	977	< 0.001	0.825	0.00169	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000545	< 0.00003	0.00034	< 0.007	1.38
36	CA10076-OCT18	10-Oct-18	1000	980	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000													

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV17-44 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Sn	Ti
Week/Event	LIMS	Sample Date	mL	mL	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
0	CA10332-JAN18	31-Jan-18	1000	836	0.001	0.925	0.00405	0.00271	0.44	0.0006	0.005	0.00007	0.0018	0.00032	0.0105	0.00011	0.00013
1	CA10041-FEB18	07-Feb-18	1000	887	0.0011	2.16	0.0033	0.00036	0.44	0.0019	0.007	0.00003	0.0108	0.00017	0.0215	0.00031	0.00008
2	CA10116-FEB18	14-Feb-18	1000	903	0.0007	0.974	0.0035	0.00030	0.27	0.0023	0.004	< 0.00001	0.0071	0.00023	0.0104	0.00009	0.00017
3	CA10205-FEB18	21-Feb-18	1000	917	0.0006	1.84	0.0026	0.00039	0.47	0.0034	0.004	< 0.00001	0.0125	0.00020	0.0183	0.00012	0.00011
4	CA10263-FEB18	28-Feb-18	1000	948	0.0004	0.987	0.00331	0.00013	0.10	0.0032	< 0.003	< 0.00001	0.0113	0.00012	0.0107	0.00011	0.00007
5	CA10057-MAR18	07-Mar-18	1000	955	0.0003	1.01	0.00406	0.00018	0.14	0.0045	< 0.003	< 0.00001	0.0118	0.00019	0.0131	0.00005	0.00007
6	CA10149-MAR18	14-Mar-18	1000	943	---	---	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	946	---	---	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	967	---	---	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1050	---	---	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	940	0.0003	0.767	0.00584	0.00003	0.06	0.0045	< 0.003	< 0.00001	0.0088	0.00012	0.00759	0.00007	0.00033
11	CA10295-APR18	18-Apr-18	1000	956	---	---	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	943	---	---	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	976	---	---	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	931	---	---	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1047	0.0005	1.42	0.00749	0.00002	0.13	0.0136	< 0.003	< 0.00001	0.0198	0.00028	0.0126	0.00008	0.00017
16	CA10297-MAY18	23-May-18	1000	920	---	---	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	936	---	---	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	946	---	---	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1040	---	---	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	912	0.0002	0.556	0.00357	0.00322	0.01	0.0032	< 0.003	< 0.00001	0.0073	0.00014	0.0064	0.00009	0.00012
21	CA10263-JUN18	27-Jun-18	1000	971	---	---	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	906	---	---	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	930	---	---	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	934	---	---	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	938	0.0003	0.578	0.00256	0.00004	0.03	0.0023	< 0.003	< 0.00001	0.0060	0.00009	0.00561	0.00007	0.00013
26	CA10005-AUG18	01-Aug-18	1000	7.21	---	---	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	911	---	---	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	981	---	---	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	927	---	---	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1010	0.0002	0.793	0.00749	0.00068	0.04	0.0053	< 0.003	< 0.00001	0.0083	0.00007	0.00731	0.00007	< 0.00005
31	CA10022-SEP18	05-Sep-18	1000	922	---	---	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	940	---	---	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1042	---	---	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	933	---	---	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	977	0.0002	0.451	0.00358	0.00002	0.02	0.0030	< 0.003	< 0.00001	0.0054	< 0.00004	0.00447	0.00007	< 0.00005
36	CA10076-OCT18	10-Oct-18	1000	980	---	---	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000														

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV17-44 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	836	0.000018	0.00007	0.00023	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	887	< 0.000005	0.000118	0.00158	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	903	0.000009	0.000113	0.00155	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	917	< 0.000005	0.000217	0.00209	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	948	0.000018	0.000176	0.00208	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	955	0.000005	0.000141	0.00158	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	943	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	946	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	967	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1050	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	940	0.000007	0.000100	0.00124	< 0.002
11	CA10295-APR18	18-Apr-18	1000	956	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	943	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	976	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	931	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1047	0.000016	0.000122	0.00133	< 0.002
16	CA10297-MAY18	23-May-18	1000	920	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	936	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	946	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1040	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	912	0.000011	0.000097	0.00108	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	971	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	906	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	930	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	934	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	938	0.000012	0.000071	0.00082	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	7.21	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	911	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	981	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	927	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1010	0.000011	0.000052	0.00063	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	922	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	940	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1042	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	933	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	977	0.000010	0.000047	0.00058	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	980	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---
40	0	07-Nov-18	1000					

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-53 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	pH	Acidity	Alkalinity	Conductivity	SO4	Ca	Cl	F	Hg
Week/Event	LIMS	Sample Date	mL	mL	units	mg/L as CaCO3	mg/L as CaCO3	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	955	8.64	< 2	40	134	37	12.7	5	<0.06	< 0.00001
1	CA10041-FEB18	07-Feb-18	1000	906	8.84	< 2	22	67	10	6.93	3	< 0.06	< 0.00001
2	CA10116-FEB18	14-Feb-18	1000	998	8.44	< 2	21	78	5	7.44	2	< 0.06	< 0.00001
3	CA10205-FEB18	21-Feb-18	1000	975	8.84	< 2	22	47	3	5.31	2	< 0.06	< 0.00001
4	CA10263-FEB18	28-Feb-18	1000	984	8.77	< 2	25	45	3	6.04	2	< 0.06	< 0.00001
5	CA10057-MAR18	07-Mar-18	1000	996	8.11	< 2	15	46	3	4.96	2	< 0.06	< 0.00001
6	CA10149-MAR18	14-Mar-18	1000	973	8.70	< 2	15	43	2	5.67	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	978	8.43	< 2	16	43	3	5.67	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	994	8.14	< 2	16	46	2	5.89	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1026	8.34	< 2	16	50	2	4.82	---	---	---
10	CA10096-APR18	11-Apr-18	1000	985	7.83	< 2	15	42	2	5.25	2	< 0.06	< 0.00001
11	CA10295-APR18	18-Apr-18	1000	989	8.76	< 2	14	38	2	5.14	---	---	---
12	CA10361-APR18	25-Apr-18	1000	992	8.88	< 2	14	39	2	5.21	---	---	---
13	CA10022-MAY18	02-May-18	1000	995	8.36	< 2	15	42	2	5.36	---	---	---
14	CA10105-MAY18	09-May-18	1000	983	7.92	< 2	14	41	2	5.17	---	---	---
15	CA10200-MAY18	16-May-18	1000	1019	8.58	< 2	35	37	2	5.46	2	< 0.06	< 0.00001
16	CA10297-MAY18	23-May-18	1000	967	8.72	< 2	13	42	4	5.07	---	---	---
17	CA10347-MAY18	30-May-18	1000	1002	8.85	< 2	13	47	5	5.69	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	988	8.21	< 2	15	45	5	5.45	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1027	8.00	< 2	13	43	5	5.73	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	972	7.43	< 2	13	41	4	5.65	1	< 0.06	< 0.00001
21	CA10263-JUN18	27-Jun-18	1000	994	8.13	< 2	12	41	4	4.98	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	962	7.63	< 2	12	45	3	4.91	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	954	8.09	< 2	11	38	3	4.73	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	983	7.87	< 2	12	40	3	5.14	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	968	8.37	< 2	11	35	2	5.06	2	< 0.06	0.00001
26	CA10005-AUG18	01-Aug-18	1000	1000	8.07	< 2	10	37	3	4.63	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	990	7.87	< 2	11	34	2	4.52	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	987	8.15	< 2	11	33	2	4.02	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	988	7.60	< 2	9	32	2	4.58	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1008	7.59	< 2	12	37	2	5.28	2	< 0.06	< 0.00001
31	CA10022-SEP18	05-Sep-18	1000	971	8.60	< 2	5	34	2	4.53	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	986	7.69	< 2	6	33	2	4.80	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1021	7.80	< 2	10	32	2	4.44	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	984	7.58	< 2	10	31	2	4.85	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	984	7.24	< 2	10	33	3	4.20	2	< 0.06	< 0.00001
36	CA10076-OCT18	10-Oct-18	1000	1011	7.39	< 2	11	34	< 2	5.97	---	---	---
37	CA10125-OCT18	17-Oct-18	1000								---	---	---
38	CA10199-OCT18	24-Oct-18	1000								---	---	---
39	0	31-Oct-18	1000								---	---	---
40	0	07-Nov-18	1000										

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-53 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Ag	Al	As	Ba	Be	B	Bi	Cd	Co	Cr
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	955	< 0.00005	0.02	0.831	0.00207	< 0.000007	0.012	< 0.000007	< 0.000003	0.000296	0.00011
1	CA10041-FEB18	07-Feb-18	1000	906	< 0.00005	0.021	0.576	0.00138	< 0.000007	0.025	< 0.000007	< 0.000003	0.000137	0.00014
2	CA10116-FEB18	14-Feb-18	1000	998	< 0.00005	0.020	1.28	0.00194	< 0.000007	0.007	< 0.000007	< 0.000003	0.000218	0.00016
3	CA10205-FEB18	21-Feb-18	1000	975	< 0.00005	0.018	0.764	0.00105	< 0.000007	0.024	< 0.000007	< 0.000003	0.000177	0.00015
4	CA10263-FEB18	28-Feb-18	1000	984	< 0.00005	0.022	0.803	0.00120	< 0.000007	0.012	< 0.000007	< 0.000003	0.000225	0.00017
5	CA10057-MAR18	07-Mar-18	1000	996	< 0.00005	0.016	0.689	0.00118	< 0.000007	0.003	< 0.000007	< 0.000003	0.000211	0.00016
6	CA10149-MAR18	14-Mar-18	1000	973	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	978	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	994	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1026	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	985	< 0.00005	0.017	0.425	0.00156	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000351	0.00015
11	CA10295-APR18	18-Apr-18	1000	989	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	992	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	995	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	983	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1019	< 0.00005	0.014	0.473	0.00185	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000462	0.00013
16	CA10297-MAY18	23-May-18	1000	967	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1002	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	988	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1027	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	972	< 0.00005	0.021	0.395	0.00176	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000337	0.00011
21	CA10263-JUN18	27-Jun-18	1000	994	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	962	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	954	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	983	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	968	0.00005	0.020	0.209	0.00146	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000346	0.00013
26	CA10005-AUG18	01-Aug-18	1000	1000	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	990	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	987	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	988	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1008	< 0.00005	0.015	0.266	0.00189	< 0.000007	0.006	< 0.000007	0.000003	0.000446	0.00006
31	CA10022-SEP18	05-Sep-18	1000	971	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	986	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1021	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	984	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	984	< 0.00005	0.011	0.196	0.00119	< 0.000007	< 0.002	< 0.000007	< 0.000003	0.000406	0.00022
36	CA10076-OCT18	10-Oct-18	1000	1011	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000											

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-53 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	955	0.00051	0.008	5.25	0.0014	3.87	0.01534	0.00221	0.66	0.0071	0.004	0.00006
1	CA10041-FEB18	07-Feb-18	1000	906	0.00023	< 0.007	4.22	0.0005	1.99	0.0105	0.00017	0.16	0.0020	< 0.003	< 0.00001
2	CA10116-FEB18	14-Feb-18	1000	998	0.00039	0.008	3.01	0.0014	1.46	0.0221	0.00168	0.23	0.0033	< 0.003	0.00002
3	CA10205-FEB18	21-Feb-18	1000	975	0.00030	0.010	1.91	0.0005	0.808	0.0192	0.00018	0.05	0.0021	< 0.003	0.00005
4	CA10263-FEB18	28-Feb-18	1000	984	0.00029	0.010	2.62	0.0004	0.841	0.0255	0.00019	0.04	0.0023	< 0.003	< 0.00001
5	CA10057-MAR18	07-Mar-18	1000	996	0.00022	0.010	1.35	0.0003	0.569	0.0249	0.00006	0.03	0.0022	< 0.003	0.00001
6	CA10149-MAR18	14-Mar-18	1000	973	---	---	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	978	---	---	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	994	---	---	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1026	---	---	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	985	0.00021	0.013	1.33	0.0003	0.536	0.0321	0.00004	0.09	0.0019	< 0.003	0.00002
11	CA10295-APR18	18-Apr-18	1000	989	---	---	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	992	---	---	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	995	---	---	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	983	---	---	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1019	0.00019	0.010	1.26	0.0002	0.546	0.0318	0.00003	< 0.01	0.0024	< 0.003	0.00001
16	CA10297-MAY18	23-May-18	1000	967	---	---	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1002	---	---	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	988	---	---	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1027	---	---	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	972	0.00014	0.009	1.08	0.0002	0.402	0.03416	0.00001	< 0.01	0.0013	< 0.003	0.00002
21	CA10263-JUN18	27-Jun-18	1000	994	---	---	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	962	---	---	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	954	---	---	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	983	---	---	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	968	0.00024	0.011	1.03	0.0003	0.343	0.03039	0.00058	0.03	0.0011	< 0.003	0.00001
26	CA10005-AUG18	01-Aug-18	1000	1000	---	---	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	990	---	---	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	987	---	---	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	988	---	---	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1008	0.00004	0.007	1.13	0.0002	0.355	0.0314	0.00448	0.01	0.0013	< 0.003	< 0.00001
31	CA10022-SEP18	05-Sep-18	1000	971	---	---	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	986	---	---	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1021	---	---	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	984	---	---	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	984	0.00049	0.011	0.850	0.0002	0.263	0.0261	0.00004	< 0.01	0.0011	< 0.003	0.00002
36	CA10076-OCT18	10-Oct-18	1000	1011	---	---	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000												

Humidity Cell Results
Customer: Golder
Project Manager: Rachel James
SGS Contact: Brian Graham

Humidity Cell: AMQ-ENV16-53 Agnico Eagle Amaruq
Weight: 1 kg
Cell Type WR

Analyte			Leachate Volume Added (mL)	Leachate Volume Recovered (mL)	Sb	Se	Sr	Sn	Ti	Tl	U	V	Zn
Week/Event	LIMS	Sample Date	mL	mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
0	CA10332-JAN18	31-Jan-18	1000	955	0.015	0.00058	0.0497	0.00039	0.00012	0.000008	0.000032	0.00229	< 0.002
1	CA10041-FEB18	07-Feb-18	1000	906	0.0080	0.00023	0.0228	0.00019	0.00018	< 0.000005	0.000007	0.00189	< 0.002
2	CA10116-FEB18	14-Feb-18	1000	998	0.0109	0.00050	0.0200	0.00012	0.00017	< 0.000005	0.000012	0.00238	< 0.002
3	CA10205-FEB18	21-Feb-18	1000	975	0.0087	0.00020	0.0145	0.00008	0.00026	0.000007	0.000012	0.00172	< 0.002
4	CA10263-FEB18	28-Feb-18	1000	984	0.0080	0.00020	0.0139	0.00009	0.00028	< 0.000005	0.000028	0.00186	< 0.002
5	CA10057-MAR18	07-Mar-18	1000	996	0.0116	0.00019	0.0130	0.00007	0.00013	< 0.000005	0.000021	0.00138	< 0.002
6	CA10149-MAR18	14-Mar-18	1000	973	---	---	---	---	---	---	---	---	---
7	CA10232-MAR18	21-Mar-18	1000	978	---	---	---	---	---	---	---	---	---
8	CA10331-MAR18	28-Mar-18	1000	994	---	---	---	---	---	---	---	---	---
9	CA10028-APR18	04-Apr-18	1000	1026	---	---	---	---	---	---	---	---	---
10	CA10096-APR18	11-Apr-18	1000	985	0.0053	0.00015	0.0109	0.00010	0.00033	< 0.000005	0.000017	0.00100	< 0.002
11	CA10295-APR18	18-Apr-18	1000	989	---	---	---	---	---	---	---	---	---
12	CA10361-APR18	25-Apr-18	1000	992	---	---	---	---	---	---	---	---	---
13	CA10022-MAY18	02-May-18	1000	995	---	---	---	---	---	---	---	---	---
14	CA10105-MAY18	09-May-18	1000	983	---	---	---	---	---	---	---	---	---
15	CA10200-MAY18	16-May-18	1000	1019	0.0057	0.00024	0.0115	0.00006	0.00017	< 0.000005	0.000012	0.00083	< 0.002
16	CA10297-MAY18	23-May-18	1000	967	---	---	---	---	---	---	---	---	---
17	CA10347-MAY18	30-May-18	1000	1002	---	---	---	---	---	---	---	---	---
18	CA10024-JUN18	06-Jun-18	1000	988	---	---	---	---	---	---	---	---	---
19	CA10093-JUN18	13-Jun-18	1000	1027	---	---	---	---	---	---	---	---	---
20	CA10168-JUN18	20-Jun-18	1000	972	0.0040	0.00020	0.0107	0.00006	0.00012	< 0.000005	0.000050	0.00078	< 0.002
21	CA10263-JUN18	27-Jun-18	1000	994	---	---	---	---	---	---	---	---	---
22	CA10020-JUL18	04-Jul-18	1000	962	---	---	---	---	---	---	---	---	---
23	CA10070-JUL18	11-Jul-18	1000	954	---	---	---	---	---	---	---	---	---
24	CA10101-JUL18	18-Jul-18	1000	983	---	---	---	---	---	---	---	---	---
25	CA10203-JUL18	25-Jul-18	1000	968	0.0025	0.00012	0.00736	0.00004	0.00016	< 0.000005	0.000020	0.00062	< 0.002
26	CA10005-AUG18	01-Aug-18	1000	1000	---	---	---	---	---	---	---	---	---
27	CA10055-AUG18	08-Aug-18	1000	990	---	---	---	---	---	---	---	---	---
28	CA10142-AUG18	15-Aug-18	1000	987	---	---	---	---	---	---	---	---	---
29	CA10230-AUG18	22-Aug-18	1000	988	---	---	---	---	---	---	---	---	---
30	CA10277-AUG18	29-Aug-18	1000	1008	0.0036	0.00011	0.00826	0.00004	0.00010	< 0.000005	0.000019	0.00061	< 0.002
31	CA10022-SEP18	05-Sep-18	1000	971	---	---	---	---	---	---	---	---	---
32	CA10105-SEP18	12-Sep-18	1000	986	---	---	---	---	---	---	---	---	---
33	CA10173-SEP18	19-Sep-18	1000	1021	---	---	---	---	---	---	---	---	---
34	CA10266-SEP18	26-Sep-18	1000	984	---	---	---	---	---	---	---	---	---
35	CA10020-OCT18	03-Oct-18	1000	984	0.0028	0.00008	0.00703	0.00008	0.00007	< 0.000005	0.000026	0.00049	< 0.002
36	CA10076-OCT18	10-Oct-18	1000	1011	---	---	---	---	---	---	---	---	---
37	CA10125-OCT18	17-Oct-18	1000		---	---	---	---	---	---	---	---	---
38	CA10199-OCT18	24-Oct-18	1000		---	---	---	---	---	---	---	---	---
39	0	31-Oct-18	1000		---	---	---	---	---	---	---	---	---
40	0	07-Nov-18	1000										

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

D.I. Leach @ 3:1 ratio filter=0.45µ, 24hr

24-August-2018

Golder
Attn : Rachel James

141 Adelaide Street West, Suite 910
Toronto, ON
M5H 3L5,

Phone: 1 416 366 6999
Fax:

Date Rec. : 07 August 2018
LR Report: **CA10032-AUG18**
Reference: Hum Cell Shut Down

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	7: AMQ-ENV-15-089 and 076	8: Large Column #1 Ultramfic (Oa)	9: Large Column #2 Ultramafic (Oa_alt)	10: Large Column #3 Greywacke (Inside Ore)	11: Large Column #5 Ultramafic (Oh)	12: Large Column #7 Whale Tail
Sample weight [g]	16-Aug-18	07:00	21-Aug-18	09:43	1000	1000	1000	1000	1000	1000
Volume D.I. Water [mL]	16-Aug-18	07:00	21-Aug-18	09:43	3000	3000	3000	3000	3000	3000
pH [no unit]	17-Aug-18	13:38	24-Aug-18	10:01	7.60	9.02	7.88	7.98	8.95	9.28
Acidity [mg/L as CaCO3]	17-Aug-18	13:38	24-Aug-18	10:01	< 2	< 2	< 2	< 2	< 2	< 2
Alkalinity [mg/L as CaCO3]	17-Aug-18	13:38	24-Aug-18	10:01	31	32	22	38	35	37
Conductivity [uS/cm]	17-Aug-18	13:38	24-Aug-18	10:01	373	90	210	708	146	99
Sulphate [mg/L]	21-Aug-18	10:45	21-Aug-18	13:24	130	13	69	340	26	5
Calcium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	48.1	7.90	19.0	129	9.05	4.91
Chloride [mg/L]	21-Aug-18	09:48	21-Aug-18	13:24	9	2	7	6	4	1
Fluoride [mg/L]	17-Aug-18	15:37	20-Aug-18	11:21	< 0.06	< 0.06	< 0.06	0.21	0.07	0.32
Mercury [mg/L]	20-Aug-18	11:00	21-Aug-18	18:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.044	0.025	0.024	0.017	0.041	0.043
Arsenic [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.157	1.66	1.44	0.0031	0.388	0.345
Barium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.05214	0.01533	0.02354	0.01998	0.05067	0.05842

OnLine LIMS

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D.I. Leach @ 3:1 ratio filter=0.45µ, 24hr

LR Report : **CA10032-AUG18**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	7: AMQ-ENV-15-089 and 076	8: Large Column #1 Ultramfic (Oa)	9: Large Column #2 Ultramafic (Oa_alt)	10: Large Column #3 Greywacke (Inside Ore)	11: Large Column #5 Ultramafic (Oh)	12: Large Column #7 Whale Tail
Beryllium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Boron [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.010	0.007	0.008	0.026	0.010	0.012
Bismuth [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.000009	< 0.000007	0.000023	0.000221	< 0.000007	< 0.000007
Cadmium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	< 0.000003	< 0.000003	< 0.000003	0.000006	< 0.000003	< 0.000003
Cobalt [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.000420	0.000038	0.000043	0.000244	0.000021	0.000066
Chromium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.00005	0.00043	0.00045	< 0.00003	0.00022	0.00089
Copper [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.00017	0.00018	0.00008	0.00034	0.00024	0.00023
Iron [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.032
Potassium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	29.4	11.1	21.1	24.0	21.9	20.4
Lithium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.0045	0.0001	0.0003	0.0039	0.0007	0.0005
Magnesium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	5.60	1.76	3.72	7.75	2.14	0.772
Manganese [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.02053	0.00018	0.00070	0.126	0.00022	0.00058
Molybdenum [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.00029	0.00041	0.00031	0.00288	0.00208	0.00127
Sodium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.50	0.48	0.92	3.37	1.81	2.02
Nickel [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.0191	0.0005	0.0021	0.0012	0.0002	0.0003
Phosphorus [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.033
Lead [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.00001	< 0.00001	0.00002	< 0.00001	0.00001	0.00006
Antimony [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.0117	0.0222	0.0220	0.0034	0.0178	0.0147
Selenium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.00022	0.00023	0.00013	0.00089	0.00021	0.00048
Strontium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.06483	0.03479	0.06649	0.156	0.06786	0.06549
Tin [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.00004	0.00003	0.00004	0.00016	0.00003	0.00006
Titanium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	< 0.00005	< 0.00005	0.00011	0.00009	0.00031	0.00176
Thallium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.000015	0.000022	0.000012	0.000022	0.000020	0.000005
Uranium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.000039	0.000018	0.000015	0.000803	0.000036	0.000079
Vanadium [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	0.00012	0.00888	0.00435	0.00007	0.00559	0.03049
Zinc [mg/L]	20-Aug-18	10:45	21-Aug-18	17:12	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

OnLine LIMS

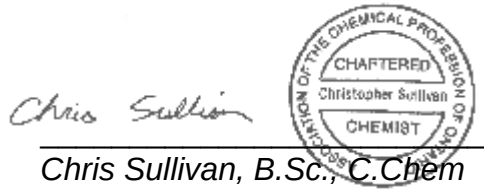
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Phone: 705-652-2000 FAX: 705-652-6365

D.I. Leach @ 3:1 ratio filter=0.45µ, 24hr

LR Report : **CA10032-AUG18**



Chris Sullivan, B.Sc., C.Chem
Project Specialist
Environmental Services, Analytical

OnLine LIMS

0001487057

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14-September-2018

Golder
Attn : Rachel James

141 Adelaide Street West, Suite 910, Toronto
Canada, M5H 3L5
Phone: 1 416 366 6999, Fax:

Date Rec. : 22 August 2018
LR Report: **CA10284-AUG18**
Reference: Hum Cell Shut Down

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: AMQ-433-01	6: AMQ15-481-05	7:BLK: $D.I. Leachate Blank
Sample weight [g]	06-Sep-18	14:14	11-Sep-18	15:38	1000	1000	N/A
Volume D.I. Water [mL]	06-Sep-18	14:14	11-Sep-18	15:38	3000	3000	1000
pH [no unit]	07-Sep-18	08:04	10-Sep-18	15:44	7.54	8.21	5.40
Acidity [mg/L as CaCO3]	07-Sep-18	08:04	10-Sep-18	15:44	< 2	< 2	< 2
Alkalinity [mg/L as CaCO3]	07-Sep-18	08:04	10-Sep-18	15:44	89	185	2
Conductivity [uS/cm]	07-Sep-18	08:04	10-Sep-18	15:44	346	230	3
Sulphate [mg/L]	06-Sep-18	14:24	07-Sep-18	14:38	170	73	< 2
Calcium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	57.1	34.1	0.02
Chloride [mg/L]	06-Sep-18	14:18	07-Sep-18	10:10	5	13	< 1
Fluoride [mg/L]	06-Sep-18	19:04	07-Sep-18	15:49	0.07	< 0.06	< 0.06
Mercury [mg/L]	10-Sep-18	10:00	12-Sep-18	10:30	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.001	0.041	< 0.001
Arsenic [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.0862	0.663	< 0.0002
Barium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.0245	0.0322	0.00005
Beryllium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	< 0.000007	< 0.000007	0.000012
Boron [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.126	0.023	< 0.002
Bismuth [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	< 0.000007	< 0.000007	0.000011
Cadmium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.000009	0.000003	0.000003
Cobalt [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.000688	0.000416	< 0.000004
Chromium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	< 0.00003	0.00008	< 0.00003
Copper [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.00284	0.00015	0.00027
Iron [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	< 0.007	< 0.007	< 0.007
Potassium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	20.8	31.2	0.012
Lithium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.0047	0.0029	< 0.0001
Magnesium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	14.3	1.95	0.002
Manganese [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	1.17	0.0160	0.00010
Molybdenum [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.00335	0.00188	< 0.00001
Sodium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	1.17	2.96	0.01
Nickel [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.0106	0.0419	< 0.0001
Phosphorus [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	< 0.003	< 0.003	< 0.003

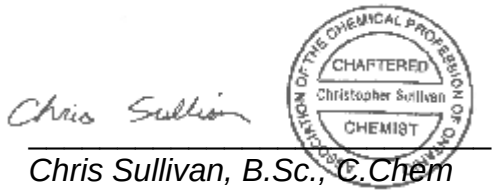
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LR Report : **CA10284-AUG18**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: AMQ-433-01	6: AMQ15-481-05	7:BLK: $D.I. Leachate Blank
Lead [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.00009	0.00001	0.00003
Antimony [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.0062	0.0157	< 0.0002
Selenium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.00054	0.00016	< 0.00004
Strontium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.0605	0.0538	0.00003
Tin [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.00012	0.00012	0.00004
Titanium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	< 0.00005	< 0.00005	< 0.00005
Thallium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.000014	< 0.000005	0.000010
Uranium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.000067	0.000064	0.000011
Vanadium [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	0.00007	0.00029	< 0.00001
Zinc [mg/L]	10-Sep-18	11:00	11-Sep-18	14:56	< 0.002	< 0.002	< 0.002



Chris Sullivan, B.Sc., C.Chem
Project Specialist
Environmental Services, Analytical

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