

Baffinland Iron Mines Corporation
Mary River Project
Quarry Management Plan, Deposit 1 Quarry 1 (D1Q1)

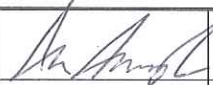
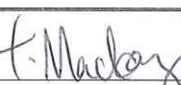
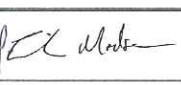
						
2013-10-23	0	Approved for Use	S. Potter	A. Grzegorzczuk	T. Mackay	J. Manning
Date	Rev.	Status	Prepared By	Checked By	Approved By	Approved By

Table of Contents

1. Introduction.....	1
1.1 Regulatory Context	1
1.2 Site Description.....	1
1.2.1 Environmental Setting.....	3
2. Environmental Responsibilities	5
2.1 Roles and Responsibilities.....	5
2.1.1 Environmental Project Team	5
2.1.1.1 The Baffinland Environmental Team	5
2.1.2 Mary River Project Organizational Charts	7
2.2 Quarry Development and Operation.....	8
2.3 Quarrying Activities	9
2.3.1 Explosives Management and Blasting.....	9
2.3.2 Excavation and Crushing.....	10
2.3.3 Site Security and Safety	10
2.4 Site Management Measures.....	10
2.4.1 Assessment for Acid Rock Drainage (ARD)	11
2.4.1.1 Review of Existing Geological Information.....	11
2.4.1.2 Sampling	11
2.4.1.3 Analytical Testing Methods	11
2.4.1.4 Results	11
2.4.1.5 Conclusions:.....	12
2.4.2 Blasting Operational Management	12
2.4.3 Drainage Management	12
2.4.4 Dust Management	13
2.4.5 Noise Management.....	13
2.5 Monitoring	13
3. Supporting Management Plans.....	14
4. Closure and Reclamation Activities	14
4.1 Closure of Active Quarry Face.....	14
4.2 Waste Disposal	14
4.3 Stockpile Removal	15
4.4 Road Reclamation	15
4.5 Soil Remediation for Contaminated Soils	15

List of Appendices

Appendix A : Quarry D1Q1 at Mine Site Drainage Drawing, H349000-4138-10-015-0004

Appendix B : Blasting Operations Management Plan

Appendix C : AMEC 2012- Waste Rock Geochemistry Data

1. Introduction

The Mary River Iron Ore Project (the Project) requires site infrastructure development as part of the construction phase of the project. To satisfy the need for aggregate resources for the development of this infrastructure during construction, quarries will have to be established and operated on-site. This document outlines the site description, operations and reclamation for the Mary River Deposit 1 Quarry 1 (D1Q1).

1.1 Regulatory Context

The guidelines provided by the Nunavut Impact Review Board (NIRB) and Aboriginal Affairs and Northern Development Canada (AANDC) (formerly Indian and Northern Affairs Canada) with regards to a Quarrying Permit Application state:

A Quarry Operations Plan is required with (this) application and must be approved by a Land Use Inspector prior to approval and issuance of the quarry permit if:

1. The volume being applied for is greater than 1,000 m³ and/or
2. The quarry site is being operated by multiple users.

The proposed D1Q1 quarry will exceed the volume threshold of 1,000 m³, and a therefore this Quarry Management Plan represents a Quarry Operations Plan developed in accordance with NIRB and AANDC guidelines. This plan should be used in conjunction with the Borrow Pit and Quarry Management Plan (H349000-1000-07-126-0011, Rev. 0), and other plans referred to in the document. This plan is approved under a quarry concession schedule that forms part of an existing commercial lease and new operating lease.

This Quarry Management Plan is required under Section 1 and 19 of Schedule B of the Commercial Lease, No. Q13C301, agreed between Baffinland Iron Mines Corporation and the Qikiqtani Inuit Association. It also is a requirement under the Type A Water Licence 2AM-MRY1325 (Part D item 7) for the purposes of Construction activities. This plan has also been developed in accordance with requirements of the NIRB Project Certificate No.005 Condition #30 - *The Proponent shall develop site-specific quarry operation and management plans in advance of the development of any potential quarry site or borrow pit.* In the event the Project does not advance, the quarry will be subject to reclamation, as per relevant regulatory and permit obligations.

1.2 Site Description

The following physical description and environmental setting are summaries from the Mary River Final Environmental Impact Statement (FEIS). For a more complete description, refer Baffinland Iron Mines Corporation, Final Environmental Impact Statement, 2012, Volumes 6, 7, and 8. Site Physical Description. The layouts for the proposed D1Q1 Quarry are shown in Appendix A from the FEIS. The basic quarry specifications are shown in Table 1 below:

Table 1: Mary River Quarry D1Q1 Specifications

Requirement	Description
NTS Map Sheet (1:50,000)	37 G/2 Edition 1 ASE Series A 713
Quarry vertices Coordinates (UTM)	- N 7 914 658, E 563 044 (Centre Point) - N 7 914 782, E 562 957 (NW Extent) - N 7 914 796, E 563 209 (NE Extent) - N 7 914 500, E 562 918 (SW Extent) - N 7 914 445, E 563 033 (SE Extent)
Total Area of Quarry	66,978 m²
Volume with Contingency	275,000 m³
Area of Existing Clearing	No clearing is anticipated as site is primarily exposed rock
Area of Proposed Quarrying	Appendix A shows the quarry extents
Topsoil / Overburden Storage Area	If any overburden is removed it will be stockpiled at the quarry for future rehabilitation purposes.
Access Roads/Trails	The access to D1Q1 will be off the Haul Road to the Pit.
Camp Locations	No camp will be built specifically for the quarry operation. Personnel will be housed at the existing Mary River camp

Topography varies considerably across the Project area. Topography at the Mine Site, Deposit No. 1 in the vicinity of the proposed quarry is described as steeply rising to 679 m asl from the fairly flat and sandy outwash plain at 188 m asl where the exploration camp is currently located. The land to the west is similarly rugged with some minor coverage of glaciers. There are several elevated plateaus to the east formed by horizontal sedimentary deposits. South of Mary River the undulating outwash plains end near the Ravn River. Valley walls are generally steep and abrupt, often with distinct terraces. Near surface bedrock is dominant in the quarry area. Limited overburden is in the form of localized deposits of till. The majority of the overburden is located in depressions between the numerous bedrock outcrops and is typically overlain by a layer of vegetation and boulders. This is evident along the base of the rock outcrops at the quarry site.

The Project is located in a zone of continuous permafrost. The active layer through the Project area typically ranges from approximately 1 m to 2 m but may be greater in areas where there is loose, sandy soil at the edges of lakes or ponds and less in areas with a substantial surface layer of wet organics. Other Project-related infrastructure in the Mine Site area will be located on areas of glaciofluvial terrace.

1.2.1 Environmental Setting

The Project is located in a glaciofluvial outwash deposit in what appears to be a classic U-shaped valley. There are some direct glacial deposits consisting of kames, moraines and eskers in and around the southeastern portion of Sheardown Lake. The outwash valley is essentially a relatively flat plane with very little local relief, the primary exceptions being along water bodies, esker deposits and adjacent to valley edges.

Deposit No. 1 is located along the top and margins of a bedrock hill on the north side of the valley. Bedrock is exposed at the apex of the deposit with talus present on the upper slopes. The mid slopes on the east side of the deposit comprise up to 50 m (vertical depth) of glacial till, tapering out to near surface bedrock at the base of the slope. The till on the north and west side of deposit is shallower, in the 10 to 15 m range. The till around Deposit No. 1 is typically dominated by boulders, cobbles, gravel and trace to some organics and a moderately thick, wet organic layer is present over the majority of this upper area. The overburden materials are considered to be very ice-rich based on site investigations, observations from bulk sample road construction and general understanding of the deposit. A thin organic layer is present in some areas, over the till, in depressions and at the base of some slopes.

D1Q1 drains into Camp Lake via CLT-1 and monitoring points will be established in the drainages downstream of the quarry and upstream of fish bearing waters (refer to Quarry Drainage Plan in Appendix A).

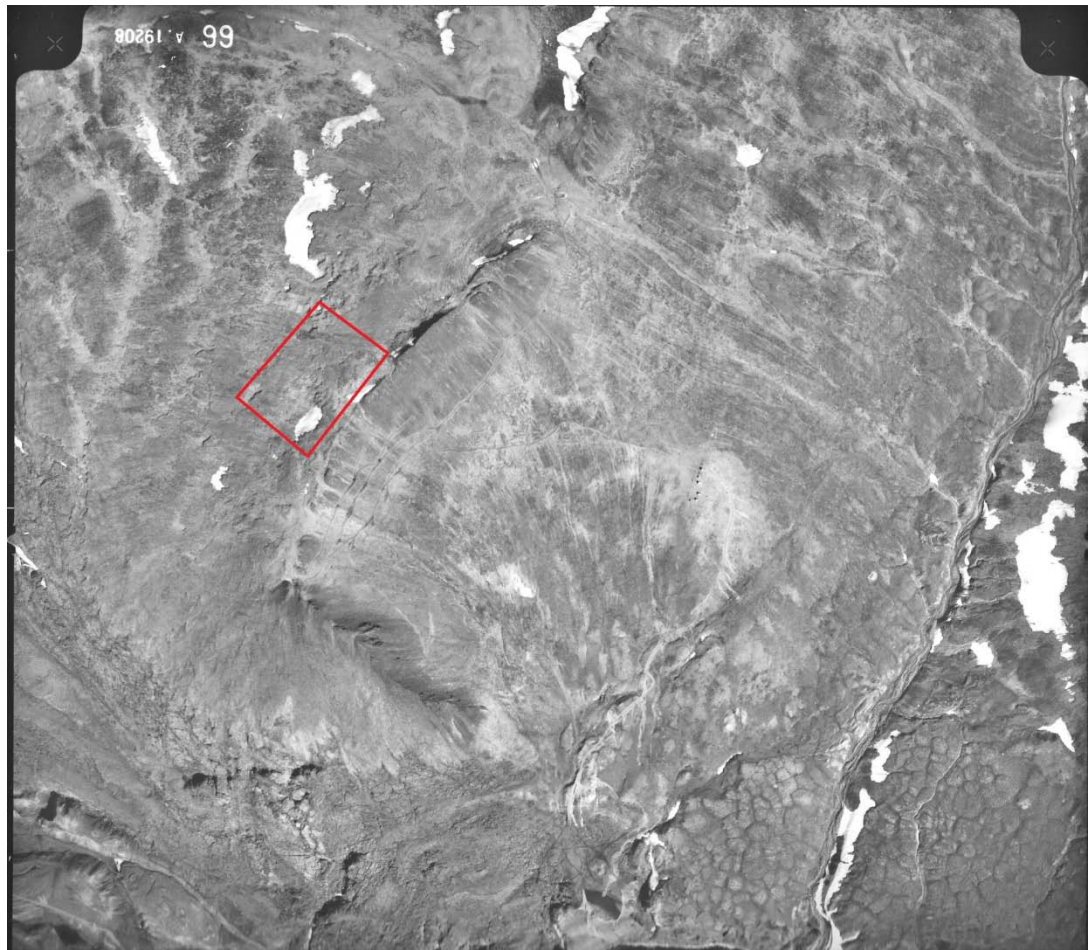


Figure 1: Aerial View of Proposed Quarry (D1Q1)

Vegetation within the Mary River Project area is described in the Vegetation Baseline Study Report in Volume 6 of the Final Environmental Impact Statement (FEIS) (Appendix 6C). No plant species considered to be “rare” in Canada were found to occur in the survey locations. Vegetation is extremely limited in the area of the proposed quarry, and exists in small patches where organic deposits occur around the base of the rock outcroppings, and in the valleys in between large boulders.

Several species of songbirds and shorebirds migrate to this area annually to breed, and were predominately found in the various types of lowland habitats (river deltas, coastal plains, tundra, and near wetlands) that offer an abundant source of insects and vegetation for foraging and nesting habitat. This type of habitat is present near Camp and Sheardown lakes, within 2 km of the proposed quarry site. Bird densities though, are considered to be relatively low.

Terrestrial wildlife on north Baffin Island is described in the terrestrial wildlife baseline report (Volume 6: Terrestrial, Appendix 6F). Terrestrial wildlife includes caribou, wolves, foxes, arctic hares, ermine, and small mammals. Occurrence of most wildlife species on north Baffin Island is relatively sparse, and this is expected to be especially true at the quarry site given the type of terrain.

Marine mammals are not present in the area as the quarry site is located 100 km inland from Milne Inlet. No settlements or known hunting camps or areas are located in proximity to the proposed quarry site.

2. Environmental Responsibilities

2.1 Roles and Responsibilities

The Baffinland Environmental Team is organised into two parts, on site as well as off site. The organisational structure for the Mary River Project in relation to the environment discipline is shown in the Table 2 below. Communication channels are described as liaisons in the tables outlining the responsibilities and accountabilities in the following sections.

2.1.1 Environmental Project Team

2.1.1.1 The Baffinland Environmental Team

The Baffinland Environmental Team will oversee all environmental and community works on and off site. The Baffinland Corporate Environmental Team responsibilities are summarized in Table 2.

Table 2: Baffinland Iron Mines Corporation Senior Management

Baffinland Iron Mines Corporation Senior Management	
Position	Responsibilities and Accountabilities
Project Director	- Reports to Baffinland's CEO - Overall accountability for the Project execution - Allocation of resources (human and financial) for the implementation of Baffinland's commitments and objectives related to health, safety and environment during construction of the Project - Accountable for on-site environmental, health and safety performance during construction of the Project
VP Operations	- Reports to Baffinland's CEO - Overall accountability for the operation of the Project - Allocation of resources (human and financial) for the implementation of Baffinland's commitments and objectives related to health, safety and environment during operation - Accountable for on-site environmental, health and safety performance during operation

Baffinland Iron Mines Corporation Senior Management	
Position	Responsibilities and Accountabilities
VP Sustainable Development, Health, Safety and Environment	- Reports to Baffinland's CEO - Establish corporate environmental policies and objectives - Monitors and reports on Baffinland's performance related to environmental, health and safety policies and objectives - Community liaison - Liaise with regulatory authorities - Obtains necessary permits and authorizations - Monitors compliance with terms and conditions of permits and licences - Routine EHS audit of contractor performance while on site
Manager Purchasing and Contract	- Reports to Baffinland's Project Director - Accountable for procurement and purchasing - Ensure that environmental commitments, policies and objectives are included in all contract documents
VP Corporate Affairs	- Reports to Baffinland's CEO - Accountable for external communication (Governments, media, NGO, others) related to Baffinland's press release and overall communication of site incidents/events

The Baffinland Environmental Team will oversee all environmental activities on site. These responsibilities on site are outlined in Table 3.

Table 3: Baffinland Iron Mines Corporation On-Site Management Team

Baffinland Iron Mines Corporation On-Site Management Team	
Position	Responsibilities and Accountabilities
Environmental Manager	- Reports to VP Sustainable Development, Health, Safety and Environment - Liaises with the Project Director, Construction Manager and the Emergency Response Team - Monitors environmental performance of contractors on site - Monitors compliance with permits, licenses and authorizations - Regulatory environmental monitoring and reporting (monthly, annual) - Routine audit of contractor's environmental performance on-site - Initiate/supervise environmental studies - Investigate and reports on accidents and incidents when they occur - Review and update environmental management plans
Environmental Coordinator/Superintendent	- Reports to Environmental Manager - Specific accountabilities for environmental monitoring and reporting - Provides induction and environmental awareness training to new employees and contract workers

Baffinland Iron Mines Corporation On-Site Management Team	
Position	Responsibilities and Accountabilities
Environmental Support Groups	- Reports to the Environmental Manager - Environmental database management - Various sampling, monitoring and reporting activities as required by permits, licenses and environmental management plans - Prepare updates to environmental protection plan and management plans
Environmental Monitors	- Reports to the Environmental Manager - Conduct monitoring activities as per the Environmental Management Plans
QIA Monitors	- Various monitoring and follow up activities - Roles will be defined in the IIBA agreement

2.1.2 Mary River Project Organizational Charts

For further information regarding the Mary River Projects organizational structure in relation to the environment discipline, please refer to the Figure 2 below:

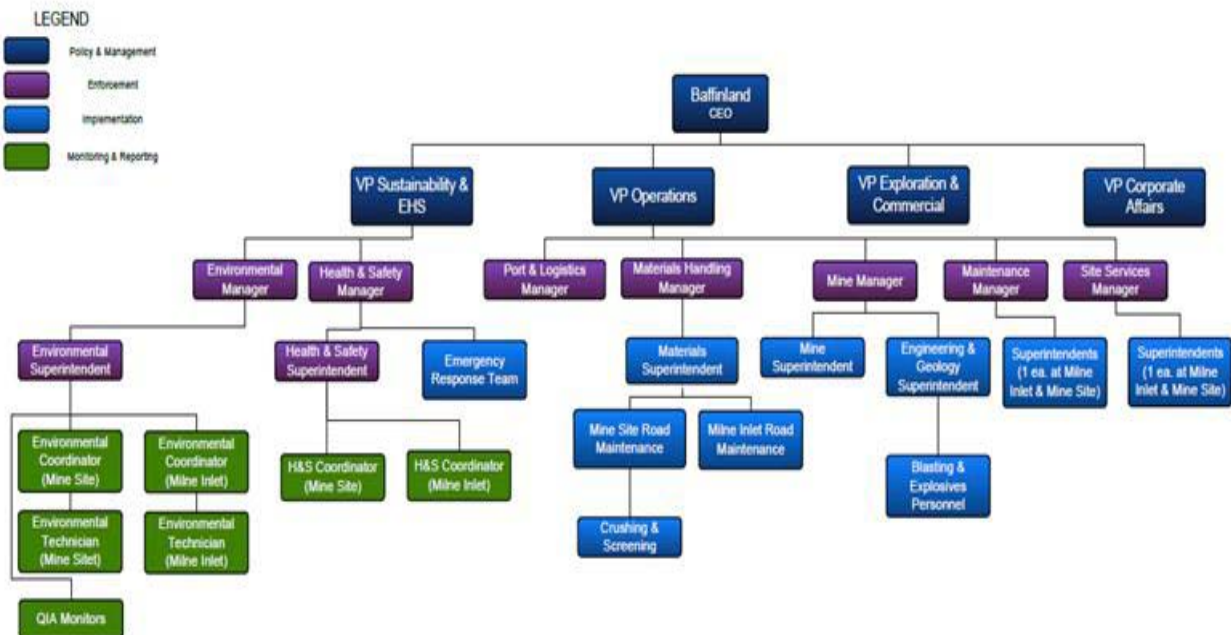


Figure 2: Mary River Organizational Chart

2.2 Quarry Development and Operation

The quarry will be accessed by a temporary road from the main staging area road, to be constructed of granular material. Equipment transported to the quarry site will include:

- Crushing and screening (present at Mary River Mine Site).
- Drilling Equipment.
- Rock hauling trucks.
- Excavators.
- Blasting equipment.
- Quarry Development.

The following steps provide a description of how quarry development will proceed at Mine Quarry D1Q1 and provide details of the different quarry activities associated with development.

1. Crusher Pad: Construct a small crusher pad near the Tote Road using fill material from a previously developed borrow/quarry site. The crusher pad will subsequently be expanded in size to the appropriate size for crushing and screening operations, stockpiles of crushed product, and loading operations to deliver produced rock materials.
2. Access Road: Construct an access road with culvert water crossings and sediment and erosion controls from the crusher pad to the quarry face using fill material from a previously developed borrow/quarry site. This access road is used to transport the blasted quarry rock to the crusher pad. The culvert crossings are in seasonal overland drainages that are not fish habitat.
3. Overburden: Clear and stockpile any overburden and soil adjacent to the quarry area for potential future use during reclamation of the quarry.
4. Pioneer Bench and Loading Pad: Using a pioneer track drill, the first bench is drilled and blasted at a higher elevation so the bench bottom elevation is similar to the desired loading pad elevation. A portion of the initial blasted quarry rock will be utilized at the quarry face to create a level pad for loading quarry rock into haul trucks. After the loading pad is finished, blasted quarry rock is hauled to the crushing pad for expansion of the crusher pad and as crusher feed material to produce aggregate.
5. Bench Drilling: As each drill round is blasted out, the drill will either stay at the current elevation to expand the bench in a longitudinal direction along the face, or proceed to a higher elevation to drill and blast higher elevation benches. These benches are expanded in length as required for subsequent blasting of rock at each bench elevation. Benches are developed for safety purposes and for efficient drill/blast operations.

6. Subsequent Bench Development: Additional benches are created at higher elevations to the preceding bench, starting at the open face of the site. Each bench is developed toward the main body of rock at that elevation. Lower elevation benches follow behind upper elevation benches and are drilled and blasted to move toward the main body of rock. Blasted material is excavated from bench areas and loaded onto trucks for delivery to the crusher. Ramps may be constructed to higher elevation benches for truck loading.
7. Drilling Quarry Rock: Drilling of the quarry rock is normally completed with the use of one drill rig. The boreholes are laid out by a surveyor to the engineered spacing and burden for each particular rock type, geology, and desired product size. The drill is removed from the area prior to the loading of explosives and blasting. The drill can proceed along the bench to continue drilling or move to a new bench.
8. Blasting Operations: Blasting rock is completed by installing high explosive detonating boosters with initiation wires. This is followed by loading each hole with either pre-packaged sticks of explosives, pre-packaged bags of explosives, or by pumping bulk emulsion from a bulk emulsion truck into the boreholes. Detonation and initiation is carried out with the use of delays to time the detonators in a sequence of smaller blasts for efficient rock breakage. Blasting lags behind the drill as more drilling is completed. As each new drill round is completed, the drill moves on and the drilled round is loaded with explosives and blasted.
9. Hauling Quarry Rock: The blasted rock is loaded onto trucks for delivery to the crusher.
10. Crushing Operations: Quarried rock is fed to the crusher and screening equipment to produce the desired rock product. The crushed and/or screened product is then stored in stockpiles and loaded into trucks for delivery to construction sites.

2.3 Quarrying Activities

The following provides detailed description of the general activities associated with quarrying:

2.3.1 *Explosives Management and Blasting*

A Blasting Management Framework has been developed and is presented in Annex 3 of the Borrow Pit and Quarry Management Plan. A detailed Blasting Operations Management Plan, incorporating the key items in the Blasting Management Framework has been prepared and is provided in Appendix B of this document.

Eventually Ammonium Nitrate Emulsion (ANE) will be manufactured and used onsite. However, explosives for the development of D1Q1 will consist of pre-packaged explosives. Pre-packaged explosives will gradually be replaced by emulsion mixtures once a temporary plant is erected and made operational during 2014. Transportation of explosives to and from the quarry site will occur from the temporary magazine storage area via road.

Blast hole drilling will take place on an appropriate grid pattern, determined by field testing, in an effort to optimize blast rock size and blasting efficiency. Blasting will normally take place. An Explosives Management Plan for the Project has been developed by the contractor and provided to the NWB on September 9th 2013. A Blasting Operations Management Plan for

this Quarry is provided in Appendix B at the beginning and end of each shift on a seven days per week basis.

2.3.2 Excavation and Crushing

The entire operation takes place in an area of permafrost, and groundwater is therefore not an issue. Drilling will be monitored to avoid creating runoff, erosion and drainage issues. Washing of aggregate is not required, as the material will be primarily used for site preparation.

Some minor organic surface soils are present in the quarry area. If these overburden soils cannot be avoided, then they will be stripped and stored separately at the storage area for later re-use. Quarrying will work along the exposed rock faces and will be terraced to minimize run off from the site. Efforts will be made during blasting operations to avoid creating depressions which might collect run off or melt waters. Drilling and extraction exercises may occur concurrently, depending on issues of safety and schedule. Blasted rock will be cleared by loader and/or scraper and put into rock trucks for transport to the crusher/screener facility. Loaders will feed rock to the crushing and screening operation.

Crushing and stockpiling areas will be located as near as practical to the southern extent of the quarry within easy access to the road.

Crushing operations and screening operations will take place during the day shift, seven days per week. The operation will process rock from the quarry, and may also process rock from other areas if required. Final material will be stored by aggregate size in stockpiles for transport to the appropriate construction sites.

2.3.3 Site Security and Safety

Copies of all safety and management documents will be made available to on site personnel and mandatory training for operations at the Mary River Mine Quarry D1Q1 will take place. The Area Coordinator will ensure that operations are consistent with other management plans, terms and conditions of the issued permits and safety procedures for the Project.

Security signage will be posted at the entrance to the quarry. The remoteness of the quarry and the onsite presence of operations personnel will make perimeter fencing unnecessary. Audible warning systems will be employed for all blasting operations at posted intervals prior to any detonations.

Blasting and processing operations will be suspended if incursions into the quarry occur, or if observations of wildlife in the immediate quarry area are made.

2.4 Site Management Measures

Best management practices for quarry operations will be followed for the Mary River Mine Quarry D1Q1. The following management activities will be incorporated into the site operations:

2.4.1 Assessment for Acid Rock Drainage (ARD)

The following is an assessment for Acid Rock Drainage for Mary River Deposit No.1 Quarry 1 (D1Q1).

2.4.1.1 Review of Existing Geological Information

A review was conducted of possible Quarrying site within the pit boundary, coupled with existing ARD sample information surrounding the proposed Quarry D1Q1 site. There is minor glacial till overlying the Quarry along with outcrop which has undergone some frost heaving. Using the Geology Logs from Hole MR1-12-224, we can assume what the expected lithology will be for the Quarry. To the south west of the Quarry, there can be expected areas which may consist of the Footwall Schist waste zone. This schist has been known to contain quartz, garnet, muscovite, chlorite, feldspar, amphibole, biotite, chlorite or sericite, and also tends to be fairly broken. The further North West you go, the more gneissic the rocks become. The gneiss contains mostly quartz, biotite, feldspar, carbonates and amphibole. Along with cordierite spindles and other minor mineral assemblages. There have been little sulphidies notes in the area.

2.4.1.2 Sampling

There was no direct sampling used for the Quarry D1Q1. Hole MR1-12-224 located directly underneath the proposed Quarry D1Q1 and adjacent holes the weighted averages were statistically determined for AP, Carb NP, Carb NPR, NP, NPR, Paste pH, Total Carbon and Total Sulphur. 80 samples taken for ARD were used for an area of 540 meters by 360 meters.

2.4.1.3 Analytical Testing Methods

Analytical tests included the following:

- Acid base accounting (ABA) results of the samples from surrounding holes.

2.4.1.4 Results

The results of the above analysis for the holes within close proximity to D1Q1 indicate that the bedrock gneiss underlying the D1Q1 Mary River quarry development area exhibit the following characteristics:

- Paste pH is weakly alkaline (9.55).
- Total sulphur was at an average of 0.08%.
- The neutralization potential ratio (NPR) is well in excess of two. Based on the statistics of the ARD sampling from the nearby holes, this material is considered non-acid generating
- Neutralization potential (NP) had a weighted average of 70.44.

2.4.1.5 *Conclusions:*

As of yet, no concrete ARD data exists for this Quarry (D1Q1). However using the surrounding geology and ARD data take from holes in close proximity to the purported Quarry, we are confident that the Quarry should contain clean rock suitable for our purpose. However, with that said, there will be ARD sampling done on the surface of the Quarry as we prepare to blast to ensure that the Quarry does contain clean rock. Throughout the entire Quarry extraction process that there will be continuous sampling, 8 holes per 10,000 m³ material quarried. Those will act as composite samples for the Quarry D1Q1, and will be collected from the blast hole cutting cone. At any time, the sampling frequency or procedure can be adjusted to meet the changing demands. It is advised that the visual inspection for sulphides is only effective when there is clear sulphide mineralization occurring. Visual inspection should not be the only process used to distinguish between Potentially Acid Generating (PAG) Rock and Clean Rock once the quarry is open.

2.4.2 ***Blasting Operational Management***

A Blasting Management Framework has been developed and is presented in Annex 3 of the Borrow Pit and Quarry Management Plan. A detailed Quarry Operations and Blasting Management Plan, incorporating the key items in the Blasting Management Framework as well as general procedures to be used for blasting has been prepared by Baffinland and is provided in Appendix B of this document.

2.4.3 ***Drainage Management***

The potential exists to alter drainage patterns of overland flow paths and to cause minor affect on local water quality. The hydrological regime around the quarry site will need to be maintained and appropriate direction of flows from site managed to maintain the natural flow patterns to the greatest extent practical. Where required, upstream runoff will be diverted to maintain water quality and minimize with quarry operations. Poorly developed overland flow paths that intersect with the quarry development area will be modified as required to accommodate flows around the quarry development. This can be accomplished by means of diversion berms or excavation of shallow ditches.

There will only be a discontinuous discharge from quarries and or failure water runoff from quarries will be managed. As required, the quarry runoff collection locations will change over time. The drainage plans showing interpreted flow paths and downstream receivers for Quarry D1Q1 are presented in Appendix A.

Sources of contamination from the operation that could affect water quality include blasting residues from blasting and spills from refuelling of equipment. Blasting residue from explosives will be managed by following best practices to ensure that blasting efficiencies are optimized resulting in the ignition of blast material. Vehicle re-fuelling will be conducted at a centralized fuelling facility off site that has proper containment and spill response capability. Re-fuelling of stationary onsite equipment, such as generators, will take place in a secured area with approved spill containment. Spill kits will be strategically located at the D1Q1 quarry site.

2.4.4 Dust Management

The primary sources of dust at the Mary River Mine Quarry (D1Q1) are blasting, loading and crushing and screening of aggregates. Very little topsoil exists at the quarry site, and is not considered a primary source of dust. The management of dust will be accomplished by minimizing the creation of dust at source. Crushing locations will take into account proximity to surface waters or dust sensitive areas. If possible, protection from prevailing winds will be accomplished by situating the crushing operation to take advantage of the local topography for shelter. Transport of material will be subject to speed limit restrictions to help reduce dust.

2.4.5 Noise Management

Quarry activities will generate noise from equipment operation, blasting and crushing and screening operations. Noise receptors within the area are restricted to wildlife, as no dwellings or other land use that is sensitive to noise occur nearby.

During quarry operations, monitors will inform the quarry manager if significant wildlife activity, such as caribou movements, is occurring. Depending on the concentrations and likely effect of the noise generating activity, the quarry manager may temporarily suspend operations.

2.5 Monitoring

Operation of the Mary River Mine Quarry (D1Q1) must be monitored to ensure compliance with the Borrow Pit and Quarry Management Plan and to meet the terms and conditions of the regulations and land-use permits granted for the Project. Monitoring will focus on:

- Regular inspection of site-preparation measures.
- Regular monitoring of drainage from the quarry site.
- Volume and quality estimates of the granular resource material produced.
- Monitoring for ground-ice presence.
- Monitoring for presence of avian, terrestrial and marine mammals in the area.
- Monitoring of water quality for changes.
- Reporting requirements as outlined in any permits.

During periods of flow, turbidity/TSS and ammonia will be monitored in the field by means of field testing methods and meters that are based on approved methodologies. If field testing detects elevated Turbidity/TSS and/or ammonia in collected runoff at levels acutely toxic (assumed to be > 20 mg/L ammonia (as N), further downstream sampling will be conducted near the discharge location to potential fish habitat for the parameters of concern as well as for acute toxicity.

3. **Supporting Management Plans**

This plan should be viewed in concert with the following additional plans prepared for the pre-development works:

- Emergency Response and Spill Contingency Plan.
- Surface Water and Aquatic Ecosystems Management Plan.
- Explosives Management Plan.
- Waste Management Plan.
- Acid Rock Drainage Testing Protocol (refer to Borrow Pit and Quarry Management Plan, Annex C).
- Blasting Management Framework Protocol (refer to Borrow Pit and Quarry Management Plan, Annex B).
- Blasting Operations Management Plan (refer to Appendix B of this document).

4. **Closure and Reclamation Activities**

4.1 **Closure of Active Quarry Face**

The closure and reclamation of the D1Q1 quarry and access roads will be integrated into the overall Project Abandonment and Reclamation Plan. However, separate closure plans for Mary River Mine Site Quarry and borrow pit operations are required. Closure of the active quarry face will involve removing all materials, equipment and infrastructure and performing reclamation activities on the site until all closure objectives, as defined in the Project Abandonment and Reclamation Plan, are met.

4.2 **Waste Disposal**

All site waste will be collected and placed in appropriate containers for removal. Pre and post waste removal inspections will be made to ensure the thoroughness of the program. Waste will include metallic waste, construction material waste and domestic waste.

At the current time, no washroom facilities for personnel are expected at the quarry site. Any requirement for such facilities will be met by easily removable portable toilets. These will be operated in a manner consistent with regulations, and disposal will be in accordance to the approved Mary River Waste Management Plan and Hazardous Material and Hazardous Waste Management Plan.

Explosive packaging, mainly cardboard boxes, will be open burnt onsite at a dedicated location(s) near or within the quarry. Open burning procedures will be followed.

4.3 Stockpile Removal

Quarrying activities will be closely managed to avoid the accumulation of unnecessary stockpiles of aggregate. Any stockpiles that do remain will be dealt with as follows:

- Large rock will be spread out on the landscape or used as rip-rap for erosion control.
- Medium sized rock will be used to re-contour affected areas to re-establish a more natural appearance to the area.
- Small crushed rock will be used to assist in drainage restoration, and spread on the landscape to re-establish more natural contours.
- Any collected soils will be spread to allow for the re-establishment of vegetation by natural succession.

4.4 Road Reclamation

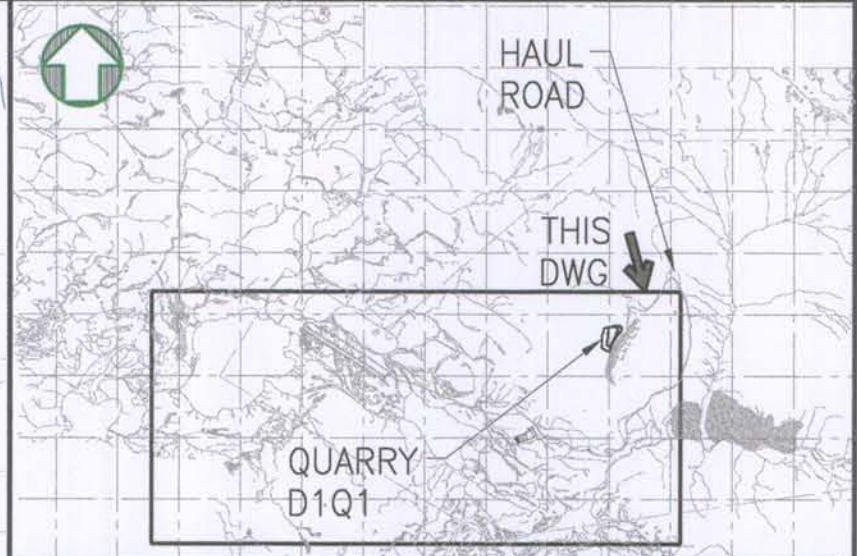
The Mary River Mine Quarry (D1Q1) access road is a relatively short aggregate structure. The road bed will be graded to stable state and scarified to allow for natural revegetation.

4.5 Soil Remediation for Contaminated Soils

A pre-closure inspection of the entire quarry site will be made. Any contaminated soils, snow or ice packs, or overburden will be flagged. The extent of the contamination will be determined, and the material removed. Hydrocarbon contaminated soils or overburden will be transported to the land farm to be established on site. Should a spill occur before the landfarm is ready, the contaminated soil would be placed within existing lined and bermed areas as is currently the practice under the existing Type B Water Licence. Other contamination will be managed in accordance, with approved Waste Management Plan and the Interim Mine Closure & Reclamation Plan H349000-1000-07-126-0012, June 7, 2013).

Appendix A:

Quarry D1Q1 at Mine Site Drainage Drawing, H349000-4138-10-015-0004



- LEGEND:**
- EXISTING WATERBODY
 - PROPOSED FOOTPRINT OF QUARRY AREA
 - EIS BOUNDARY
 - LEASE BOUNDARY (2484) DEPOSIT 1
 - EXISTING BOUNDARIES FOR QUARRY AREAS AND ROCK QUARRY LOCATIONS
 - EXISTING STREAM
 - OVERLAND FLOW PATH
 - EXISTING DRAINAGE TO BE DIVERTED/ABANDONED
 - SURFACE DRAINAGE DIVERSION
 - INTERNAL SURFACE DRAINAGE
 - RIDGE LINE (HIGH POINT)
 - PROPOSED CULVERT
 - EXISTING CULVERT (LOCATION APPROXIMATE)
 - PROPOSED WATER QUALITY MONITORING LOCATION (MS-D1Q1-01)

- NOTES:**
- TOPOGRAPHY PROVIDED BY TERRAPOINT CANADA INC.
 - COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
 - CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 10 METRES.
 - AS-CONSTRUCTED INFORMATION PROVIDED BY GENIVAR IN 2008.

FOR PERMITTING

0 200 400 600 800 1000
SCALE IN METRES

DRAWING NO.	DRAWING TITLE
H349000-4138-10-015-0003	MINE SITE-ROCK QUARRY/BORROW AREA NO.2- DRAINAGE PLAN
H349000-3000-10-012-0140	TOTE ROAD-STA. 167+150 TO 167+850-PLAN AND PROFILE
H349000-4000-00-014-0001	MINE SITE-OVERALL SITE LAYOUT-GENERAL ARRANGEMENT
H349000-4221-10-014-0001	MINE HAUL ROAD - OVERALL LAYOUT

PERMIT TO PRACTICE
HATCH LTD.
Signature: *[Signature]*
Date: 17 Oct 13
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NNU

THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF BAFFINLAND FROM INFORMATION PROVIDED BY THE CLIENT AND IS NOT TO BE REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF HATCH LTD. HATCH LTD. ACCEPTS NO LIABILITY OR RESPONSIBILITY FOR ANY AND ALL ERRORS OR OMISSIONS IN THIS DRAWING OR FOR ANY AND ALL MODIFICATIONS OR REVISIONS TO THIS DRAWING BY CLIENT, AND (D) THIS DRAWING IS CONFIDENTIAL AND ALL INFORMATION, PROJECT RECORDS, DRAWINGS OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE
REVISIONS					

REGISTERED PROFESSIONAL ENGINEER
M. M. S. HASSAN
LICENSEE
17 Oct 13
NTNU

0	FOR PERMITTING	SH	IK	2013-10-17
REV.	ISSUE FOR	AUTH.	BY	DATE
ISSUE AUTHORIZATION				

HATCH

DESIGNED BY: *[Signature]* DRAWN BY: *[Signature]*
G. JUBINVILLE G. JUBINVILLE
DATE 2013-10-10 DATE 2013-10-10
CHECKED BY: *[Signature]* DISCIP. ENGR.
K. FALLAH S. HASSAN
DATE 2013-10-17 DATE 2013-10-17
PROJ. DES. COORD. PROJ. ENGR.
T. THERIOT J. CLELAND
DATE 2013-10-17 DATE 2013-10-17
PROJ. MGR.
S. PERR
DATE 2013-10-17

Baffinland

MARY RIVER PROJECT

MINE SITE
QUARRY D1Q1
DRAINAGE PLAN

DWG. NO.
H349000-4138-10-015-0004

SCALE
1:15000
OR AS NOTED

ORIGINAL SHEET SIZE: ISO A1 (841 x 594)

REV. 0

Appendix B: Blasting Operations Management Plan



Quarry Blasting Operations Management Plan

**Baffinland Iron Mines Corporation
Mary River Project, NU**

**October
2013**

Table of Contents

1.	Purpose of Document	1-1
2.	Environmental Management	2-2
2.1.	Introduction	2-2
2.2.	Setbacks	2-3
2.3.	Archaeological Sites	2-3
2.4.	Explosives Usage, Spillage Cleanup and Containment	2-3
2.5.	Training	2-5
2.6.	Management of grubbing and disposal of related debris.....	2-5
2.7.	Till Management	2-6
2.8.	Storm Runoff and Snow Melts.....	2-7
2.9.	Water Sampling	2-7
2.10.	Blasting Near Water	2-7
2.11.	Environmental Monitoring	2-8
3.	Blast Pattern Design.....	3-1
3.1.	Objective.....	3-1
3.2.	Introduction	3-1
3.3.	Definitions.....	3-1
3.4.	Tasks	3-1
3.5.	Blasting Parameters – Burden & Spacing.....	3-2
3.6.	Blasting Parameters – Bench height and wall slopes.....	3-2
3.7.	Typical Blast Pattern Designs	3-2
4.	Drilling and Loading Procedures	4-1
4.1.	Re-Drill and Explosives Loading Procedure	4-1
4.1.1.	Objective.....	4-1
4.1.2.	Scope.....	4-1
4.1.3.	Introduction.....	4-1
4.1.4.	Definitions	4-1
4.1.5.	Preparation	4-1
4.1.6.	Tasks	4-2
4.2.	Explosives Management	4-3
4.2.1.	Objective.....	4-3
4.2.2.	Scope.....	4-3

4.2.3.	Introduction.....	4-3
4.2.4.	Preparation	4-3
4.2.5.	Tasks	4-4
5.	Blasting Protocol and Procedure.....	5-1
5.1.	General Protocol	5-1
5.2.	Guarding Typical Quarry Excavation	5-2
5.3.	Guarding Procedure.....	5-2
5.3.1.	Objective.....	5-2
5.3.2.	Scope.....	5-2
5.3.3.	Introduction.....	5-3
5.3.4.	Definitions	5-3
5.3.5.	Preparation	5-3
5.3.6.	Tasks	5-3
5.4.	Blasting Procedure	5-4
5.4.1.	Objective.....	5-4
5.4.2.	Scope.....	5-4
5.4.3.	Introduction.....	5-4
5.4.4.	Definitions	5-4
5.4.5.	Preparation	5-4
5.4.6.	Tasks	5-5
5.5.	Misfires or Cut-off Holes	5-6
5.5.1.	Objective.....	5-6
5.5.2.	Scope.....	5-6
5.5.3.	Introduction.....	5-6
5.5.4.	Definitions	5-6
5.5.5.	Preparation	5-6
5.5.6.	Tasks	5-7
6.	Excavating Blasted Muck	6-1
6.1.	Dig Limits for Loading Equipment.....	6-1
6.1.1.	Objective.....	6-1
6.1.2.	Scope.....	6-1
6.1.3.	Introduction.....	6-1
6.1.4.	Preparation	6-1
6.1.5.	Tasks	6-1
7.	Drill and Blast Employee Responsibilities	7-3
7.1.	Blast Helpers	7-3
7.1.1.	Objective.....	7-3
7.1.2.	Scope.....	7-3
7.1.3.	Introduction.....	7-3
7.1.4.	Definitions	7-3

7.1.5.	Preparation	7-3
7.1.6.	Tasks	7-4
7.2.	Drill and Blast Supervisors' Daily Duties	7-4
7.2.1.	Objective	7-4
7.2.2.	Scope	7-4
7.2.3.	Introduction	7-4
7.2.4.	Preparation	7-5
7.2.5.	Tasks	7-6

List of Tables

Table 3.4-1: Requirements and Responsibilities for Blast Pattern Design	3-1
Table 3.7-1: Initial Blasting Parameters - 90 mm Borehole.....	3-2
Table 4.1-1: Re-Drill and Explosive Loading Procedure	4-2
Table 4.2-1: Explosives Management	4-4
Table 5.3-1: Requirements and Responsibilities for guarding a blast	5-3
Table 5.4-1: Requirements and Responsibilities for initiation of a Blast Pattern	5-5
Table 5.5-1: Misfires or Cut-off Holes	5-7
Table 6.1-1: Requirements and Responsibilities for mucking into a loaded blast face	6-1
Table 7.1-1: Requirements and Responsibilities for Blast Helpers	7-4
Table 7.2-1: Requirements and Responsibilities of a Supervisor	7-6

APPENDIX A- Concordance Tables

1. Purpose of Document

Baffinland Iron Mines Corporation (Baffinland) is committed to implementing best management practices in its use of explosives for quarrying activities at the Mary River Project. To this end, a Quarry Blasting Operations Management Plan has been developed which identifies site specific blasting operational management procedures to limit, control and mitigate the release of undetonated explosives from blasting operations at the quarry sites.

This document covers the site specific blasting operational management procedures to be adopted during quarrying activities, employee responsibilities, as well as mitigation measures and controls for all potential environmental concerns related to blasting and use of explosives. Baffinland will develop quarries in an environmentally acceptable manner that meets the requirements of all obtained permits and authorizations.

2. Environmental Management

2.1. Introduction

For the remainder of 2013 and in 2014, Baffinland will be using pre-packaged explosives for the quarry activities occurring associated with the Mary River Project. The pre-packaged explosives will be stored in sea-containers in secured locations near Mary River, Milne Inlet and along the Tote road that have been approved by the NWT/Nunavut Mines Inspector.

It is recognized that ammonium nitrate (AN) is a soluble inorganic nitrogen compound and that there is a risk that arises from aqueous dissolution which could potentially impact surface waters which may support aquatic life. However, pre-packaged explosives have a benefit, of just that being pre-packaged, so it does eliminate and minimize the release of ammonium nitrate to the environment.

In the future Baffinland's blasting contractor will be constructing an emulsion plant on site that will produce explosives locally for the operations phase of the project, but that facility will not be constructed until late 2014. As a requirement of Type A Water Licence 2AM-MRY1325, Baffinland will submit for approval an Operational Phase Blasting Operations Management Plan that will outline the steps and best management practices that will be implemented to minimize ammonia releases to the environment.

Due to potential environmental concerns related to the introduction of nitrogen compounds at the Mary River Project, operating procedures will be implemented to limit, control and mitigate the release of AN from blasting operations. The following section provides details on the environmental controls and mitigation measures that will be employed for the quarrying activities during construction phases of the Project. It includes details on the environmental setbacks, archaeological sites, explosives use, spillage cleanup and containment, training, management of grubbing, till management, storm runoff and snow melts, water sampling, blasting near water and performance monitoring for the operation of quarries.

The information provided, herein, supplements that provided in the related documents:

- Borrow Pit and Quarry Management Plan
- Baffinland Iron Mines: Mary River Project - Explosives Management Plan
Nunavut, Canada (August 29, 2013)

2.2. *Setbacks*

A minimum of thirty-one (31) metre undisturbed buffer zone will be established between the periphery of Quarry sites and the ordinary High Water Mark of any water body unless otherwise approved by the Board in writing. Buffers will be surveyed in before any construction or opening of the quarry can proceed.

2.3. *Archaeological Sites*

All identified archaeological sites in areas potentially impacted by quarry activities will be surveyed and if required, a buffer zone will be established around the archaeological site as required by the Government of Nunavut's Archaeological and Paleontological Sites Regulations and as recommended by the archaeologist. No construction is to take place within the buffer zone and no employees will be permitted to enter the site. If a relevant archaeological site is identified during the course of the operations, all work will cease and the archaeologist will be contacted and brought to the site. Work in the area would only proceed based on the recommendations of the archaeologist with input from the Government of Nunavut.

2.4. *Explosives Usage, Spillage Cleanup and Containment*

For the remainder of 2013 and during 2014, high quality pre-packaged will be used for the blasting operations in the quarries. The pre-packaged explosives utilize an optimally mixed hydrophobic emulsion compound that works to repel water and keep ammonium nitrate out of the surrounding ecosystem. Once again, the use of pre-packaged explosives for blasting in quarries will greatly minimize AN releases to the environment. It is however recognized that ammonium nitrate is highly soluble in water and is difficult to recover once it is in solution. The primary ecological concerns with ammonia include acute end-of-pipe toxicity and chronic toxicity downstream lakes. Ammonia nitrifies to nitrate which can be potentially toxic to aquatic life at elevated concentrations. Nitrate, in

the presence of phosphorus, can contribute to the process of freshwater eutrophication. Therefore, best practices for efficient use, containment at source and rapid containment and cleanup of any spills is therefore the primary objective for the protection of aquatic life.

Proactively controlling the release of ammonia at point source has a positive net environmental effect versus managing ammonia after dissolution in water which is much more difficult. Industry best practices will be adopted to maximize source control and to minimize the potential for AN dissolution to downstream waters. The following point source protective measures will be taken:

- When handling, transporting or storing explosives, care will be taken to avoid any spillage. This is greatly reduced or eliminated with the use of pre-packaged explosives. However, if any spillage of product should occur, it will be promptly reported, cleaned up, and properly disposed in accordance to approved site waste management practices. A Spill Report detailing the incident will be submitted to the Baffinland Environment Department. A follow-up report will be provided that details basic cause of the spill and any corrective actions taken to minimize the type of incident from reoccurring.
- Prior to loading explosives, blast holes will be inspected for the presence of water. To limit explosives-water contact, areas that are subject to shallow groundwater flows are identified, and dewatered prior to blasting.
- Selecting, adopting, and manufacturing the optimum explosive mix types and loading procedures for site specific applications.
- Stand time for explosives will be minimized and the lag time between load and blast will be kept to a minimum.
- Holes will be loaded by experienced supervisors/blasters so that the blasting pattern optimizes complete detonation of explosives, and avoiding misfires which will also minimize the release of ammonia residue to the environment.
- If there is a miss hole/misfire resulting in incomplete detonation of explosives, the event will be reported to the Baffinland Mine Engineer and the Environmental Supervisor. If the residual blasted material in the vicinity of the miss hole represents

a potential source of nitrogen compounds, the Engineer will ensure that the material will be appropriately collected/stored and managed to the satisfaction of the Environmental Supervisor so as to minimize the potential for soluble nitrogen compounds from entering fish bearing waters.

- Upstream overland flows that impinge on quarry operations and have the potential to contaminate clean downstream water will be diverted around the active pit area by means of berms, check dams, or minor diversions. Based on the site drainage plan, the upstream flows from the quarry development area are anticipated to be minor.
- In the event that there is the potential for nitrogen compounds to adversely impact downstream fish bearing waters contingency actions will be taken that could include:
 - Storage of impacted water within the pit in constructed sumps.
 - Other treatment options such as the careful discharge to the tundra or where there is abundant surface vegetation (approval may be required) after meeting regulatory requirements for water quality.

2.5. *Training*

Training is seen as a key element in the safe usage and proper environmental management of explosives and blasting. All employees working on or around blasting operations will undergo rigorous employee orientation and training procedures for: managing, transporting and loading explosives into blast holes. Experienced competent employees are an essential part of blasting best management practices. On-site Environmental staff will regularly audit blasting quarry operations and if as required will conducted further information sessions with staff involved in blasting operations to instill to them the importance of point source control of ammonia to minimize impacts on the environment

2.6. *Management of grubbing and disposal of related debris*

The principle concerns associated with grubbing and disposal of related debris are:

- Potential effects on water quality caused by erosion and sedimentation;
- Disturbance of the permafrost leading to ground failure (slumping and erosion)

Baffinland is committed to meeting the regulations for maximum allowable concentrations of any grab sample of total suspended solids (TSS) of 100 mg/L and Maximum Average concentration of 50mg/L of Total Suspended solids as outlined in the Type A Water Licence 2AM-MRY1235).

All grubbing and disposal of related debris near watercourses will comply with approvals from respective regulators and the landlord. At a minimum measures to be undertaken to minimize effects on aquatic habitat and resources are as follows:

- Grubbing of the organic vegetation mat and/or the upper soil horizons will be minimized, and left in place where possible;
- If needed, the organic vegetation mat and upper soil horizon material, which has been grubbed, will be spread in a manner that attempts to cover exposed areas. Any surplus of such material will be stored or stockpiled for site rehabilitation and re-vegetation purposes elsewhere in the project area. Topsoil will be stockpiled separately from the overburden. The location of the stockpiles will be recorded and accessible for future rehabilitation purposes;
- During grubbing, care will be taken to ensure that grubbed material will not be pushed into areas which are to be left undisturbed.

2.7. Till Management

Till stripped from the quarries (if required) will be placed in an area approved by the onsite environmental personnel. These areas can be an area currently identified for till/topsoil storage area or an area close to a quarry that is unlikely to erode into any water bodies during spring thaw.

Till can be used for building a berm around quarry as a means to prevent runoffs and snow melts into nearby natural drainage systems. If seepage through a berm wall is occurring, sediment control mats or silt fences will be laid at the foot of the berm wall to minimize transportation of fines into water courses.

2.8. Storm Runoff and Snow Melts

The final quarry configuration will consist of a flat surface graded at approximately 1% in the down slope direction, adjoining a steeper angle rock surface that forms the transition to natural ground on the ridge above. Storm and snow melts water will be diverted away from the quarry by a small 0.5 m berm on the upslope edges of the excavation. All runoff and snow melts will be contained in a lined designated location within the quarry.

2.9. Water Sampling

Water sampling will be conducted at locations and frequency specified by the Baffinland Environmental Supervisor. Water sampling locations will be based on the location of quarry operations, site drainage configuration (refer to site drainage plan), and seasonality. The sampling will be undertaken by the onsite environmental personnel.

2.10. Blasting Near Water

Most if not all of the quarries being excavated are not very near any water. However, particular care must be taken if blasting is undertaken near water bodies. This includes proper explosives handling, selection of the correct explosive (see: Section 2.3), and utilization of best management practices. All quarry blasting on the Mary River Project will adhere to the Department of Fisheries and Oceans (DFO) “Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters”¹ (as per Project Certificate 005 condition no. 44 and 48).

Project Certificate Condition #44 – “The proponent shall meet or exceed the guidelines set by Fisheries and Oceans Canada for blasting thresholds and implement practical and effective measures to ensure that residue and by-products of blasting do not negatively affect fish and fish habitat.”

Project Certificate Conditions #48 – ‘The Proponent shall engage with Fishereis and oceans Canada and the Qikiqtani Inuit Association in exploring possible Project specific

¹ Wright and Hopky 1998, Guidelines for the use of Explosives In or Near Canadian Fisheries Waters

thresholds for blasting that would exceed the requirements of Fisheries and Oceans Canada's Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters (D.G. Wright and G.E. Hopky, 1998)."

2.11. Environmental Monitoring

An environmental performance monitoring program will be implemented to ensure that AN release to receiving waters from AN explosives is minimized and remains within regulatory limits stated in Baffinland's Type A Water Licence (2AM-MRY1325). These targets and methods to monitor performance will be developed during quarry start up. Initially, the following types of monitoring procedures are anticipated:

- Procedure for blast performance monitoring to optimize blasting efficiency and to minimize the potential for unexploded product.
- Procedure for monitoring and auditing of field operations related to explosive storage, handling, any spillages and blast hole loading.
- Procedure for auditing and assessing individual employee environmental awareness and effectiveness of training with regard to blasting operations and the procedures related to environmental management.
- Ammonia and nitrate monitoring of surface water flows to fish bearing waters at identified water monitoring points, as per the drainage drawing.

In the event that performance monitoring indicates that targets are not being met, corrective actions will be taken to improve performance and contingency measures will be taken to prevent the discharge of ammonia exceedances to the aquatic receiving environment.

3. Blast Pattern Design

3.1. Objective

To provide the engineering department with a safe procedure for designing blasting patterns.

3.2. Introduction

This procedure was developed to ensure that the engineering department, including any sub-contractors, are aware of their safety responsibilities while designing and staking blast patterns at the quarries being developed at the Mary River Project.

3.3. Definitions

- None

3.4. Tasks

Table a: Requirements and Responsibilities for Blast Pattern Design

Task	Person Responsible
All borehole locations designed by engineering are to be placed at a distance of one meter or greater from any bootleg locations	Site Engineer
If any holes designed by engineering cannot be drilled in the design location due to ground conditions, then a new location can be used only if it is picked up by survey and found to be one meter or further away from any bootleg locations	Surveyor / Mine Engineer
No holes are to be designed in a location within five meters of a misfired hole	Mine Engineer
Prior to firing any blast, all borehole locations loaded with explosives are to be picked up by survey, and entered into the engineering database by the mining engineer. This will be called the as-built map	Surveyor / Mine Engineer

3.5. Blasting Parameters – Burden & Spacing

In order to produce a rock gradation profile suitable for specified use, the final blast hole spacing will need to be determined from field testing.

3.6. Blasting Parameters – Bench height and wall slopes

Quarry locations have been selected in areas that present stable geological characteristics. The benches will be designed according the topography of the natural grade at the quarry site. A 5 m bench height with a minimum 8 m catchment will be used based on safety and the capabilities of our loading equipment.

3.7. Typical Blast Pattern Designs

The following table may vary depending on bench height.

Table b: Initial Blasting Parameters - 90 mm Borehole

Product	Emulsion
Density (g/cc)	1.26
Load per meter of borehole (kg)	10.22
Bench Height (m)	5.0
Sub-Drill (m)	1.0
Collar (m)	2.3
Load Column (m)	3.7
Load per hole (kg)	38.0
Pattern Type	Equilateral
Spacing (m)	3.8
Burden (m)	3.3
Rock released per hole (m³)	62.7
Powder Factor (kg/m³)	0.60

4. Drilling and Loading Procedures

4.1. Re-Drill and Explosives Loading Procedure

4.1.1. Objective

To provide Supervisors and workers with a procedure, which will ensure the safety of all personnel on or near a drill pattern where re-drilling of caved or frozen holes on a loaded pattern is necessary.

4.1.2. Scope

The Supervisor shall be responsible to ensure that the workers are trained and follow the procedures.

The driller is responsible to ensure that the procedures are followed as directed by the Supervisor.

4.1.3. Introduction

This procedure was developed to ensure the safety of all personnel involved or close to the blast area.

4.1.4. Definitions

- D&B: Drill & Blast

4.1.5. Preparation

- Requirements: Blasters Certificate, Supervisor Level I
- Tools: Drill, PPE
- Hazards: Charged holes, spillages of explosive material, slips, trips, falls, explosion

4.1.6. Tasks

Table c: Re-Drill and Explosive Loading Procedure

Task	Person Responsible
All holes shall be jigged and visually checked in patterns that have the potential for frozen or caved holes, before loading operations commence.	Blaster / Blast helper / Supervisor
Drill holes that are caved and or frozen and that require re-drilling are to be marked out with flagged stakes.	Blaster / Blast helper / Supervisor
Holes noted for re-drilling will be immediately brought to the attention of the blaster in charge and the Supervisor.	Blaster / Supervisor
The holes requiring re-drilling will be marked in the daily log and noted on the daily blast hole sheets as re-drilled.	Supervisor
No loading of holes closer than 8 meters to the re-drilling operation shall be permitted except under the direct supervision of the Supervisor.	Blaster
The re-drilling shall take place in a retreat direction; all loading operations shall take place away from the travel direction of the drill.	Supervisor
Only personnel directly involved with the drilling and blast hole loading activities are to be within 30 meters of re-drilling operations.	Blaster / Supervisor
No surface delays or detonating cord is to be present within the blast pattern during re-drilling operations.	Supervisor
All down hole Nonel delay detonator ends are to be neatly bundled and tied to the blast hole stake to ensure visibility and minimize the potential of any inadvertent machinery contact.	Blaster
The Supervisor will ensure that the drill operator and blaster walk through the drill pattern prior to moving the drill onto the pattern. The drill operator will be made aware of any loaded blast holes that may come within 2 m of the machine.	Supervisor

The Supervisor will advise the drill operator which blaster will guide the drill onto the loaded pattern, for the purpose of re-drilling	Blaster / Supervisor
--	----------------------

4.2. Explosives Management

4.2.1. Objective

To provide Supervisors with a safe and effective standard which will ensure the safety of all employees and equipment. This should be used in conjunction with the Explosives Management Plan (August 29, 2013).

4.2.2. Scope

The Manager shall appoint a person(s) who is/are qualified, certified and authorized under the Mine Health and Safety Act and Regulations of the Northwest Territories / Nunavut to conduct/supervise all blasting operations on the mine site. The Manager shall also be responsible for authorizing persons to enter the explosive magazine for inspection, receiving and issuing of all explosives materials.

4.2.3. Introduction

The NWT / Nunavut Mine, Health & Safety Act and Regulations require a manager to ensure his charges are working safely in a safe environment and in compliance with the regulations, company policy and procedures.

4.2.4. Preparation

- Hazards: Explosives, detonators, delays
- Tools: Blasters Certificate, Supervisor Level I Certificate, Log Book, broom, Magazine key

4.2.5. Tasks

Table d: Explosives Management

Task	Person Responsible
Ensure a copy of the explosives magazine permit is posted inside the magazine.	Area Manager
Carry out a weekly inspection of the magazine and record the results in a logbook.	Blast Supervisor
Ensure a record of all explosives issued and received and the inventory of the magazine is kept, and authorized persons sign all entries.	Blaster/ Supervisor
Ensure the magazine is kept clean, dry and free from grit at all times.	Blaster/ Supervisor
Ensure the stock of explosives is rotated so that the oldest stock is used first.	Blaster/ Supervisor
Ensure all signage is visible and in good condition.	Blaster/ Supervisor
Ensure that the magazine is locked at all times except when an authorized person is present.	Blaster/ Supervisor
Ensure all mobile equipment transporting explosives meets or exceed requirements as set out in the Mine Health and Safety Act and Regulations of the NWT / Nunavut.	Blaster/ Supervisor
Ensure appropriate records of each primary blast are kept.	Blaster/ Supervisor
Ensure all warnings, guarding of access routes and clearance of areas has taken place prior to initiating any blasts.	Blaster/ Supervisor
The appointed person has the authority to safely conduct and direct all activities within the blasting area. All employees must support	Blaster/ Supervisor
Ensure all blasters have a valid blasting certificate issued by the Chief Inspector of Mines.	Blaster/ Supervisor
Ensure all persons who are assisting in the preparation or firing of charges is under the direct supervision of a person who is a valid holder of a blasting	Blaster/ Supervisor

All blasters shall deliver their blasting certificates to the Manager or his designate when commencing employment. The certificate will be returned upon termination with the company.	Blaster/ Supervisor
--	---------------------

5. Blasting Protocol and Procedure

5.1. General Protocol

- All blasting operations will follow all protocol of The Northwest Territories / Nunavut Mine Health and Safety Act and Regulations, as well as standard operating procedures from both Baffinland Iron Mines Corporation and subcontractors, whichever is more stringent.
- All records of blasting shall be kept by the Mine Engineering department
- All blasts will be numbered according to location (i.e. quarry number, bench elevation at grade, and individual blast)
- All loaded boreholes will be recorded by survey prior to blasting, and as-built mapping entered into survey database to eliminate possibility of drilling into bootlegs on benches at lower elevations
- The area will be visually surveyed for terrestrial wildlife prior to blasting and the blast delayed, if required, to clear the area of any affected terrestrial wildlife. These include, but are not restricted to caribou, and local carnivores. Nesting birds will be respected according to Baffinland's Terrestrial Environmental Management and Monitoring Plan that abides by Environment Canada's Migratory Birds Act. The Environmental Monitor on-site will be trained in the requirements of the Terrestrial Environmental Management and Monitoring Plan.
- Daily records of all holes loaded and explosive products used will be maintained, recorded, and submitted with blast reports
- All blast design will be subject to change and improvement, as site specific geological conditions dictate
- Wall control issues will be negligible with the plan of day lighting all benches
- Standard Operating Procedures regarding drilling proximity to bootlegs or misfired holes will be reviewed with all drilling and blasting crews and adhered to for all drilling and blasting operations.
- All production holes are to be drilled vertically, to ensure the integrity of projected bootleg locations

5.2. *Guarding Typical Quarry Excavation*

It is imperative that the guards follow the instructions and not leave their assigned area until told so by the Supervisor. The positions assigned will be outside the Blast Danger Area as determined by the Mine Engineer.

In addition to the guards posted at strategic locations around the blast area, reflective warning signs are recommended to be placed at the outer perimeter of the blasting danger area. The signs shall be deployed prior to the initiation of each blast, and collected afterwards.

While guarding a blast area, the vehicle window facing the “tundra” side must be rolled down slightly. The vehicle must be turned off and put in auxiliary such that the radio remains functional (alternatively: use a hand held radio).

All blasting will be scheduled in the afternoon, around 16h00. A distance of 600m for personnel and 400m for equipment as determined by the Quantity Distance - Explosives Regulatory Division Explosives Safety and Security Branch, Minerals and Metals Sector table of distances. We will not have any blasts with over 11,500 kg of explosives in the blast.

5.3. *Guarding Procedure*

5.3.1. *Objective*

To provide the Supervisor with a safe and effective procedure for guarding of a blasting operation.

5.3.2. *Scope*

The Supervisor is responsible to ensure that all employees engaged in the guarding procedure are trained and understand their duties.

The employees assigned the task of guarding are responsible to follow this procedure as directed by the Supervisor.

5.3.3. Introduction

As per NWT / Nunavut Mine Health and Safety Act and Regulations, these precautions are required.

5.3.4. Definitions

- None

5.3.5. Preparation

- Tools: PPE
- Hazards: Slips, Trips, Falls, Personal injury or death

5.3.6. Tasks

Table e: Requirements and Responsibilities for guarding a blast

Task	Person Responsible
The operations Supervisor will be responsible for appointing all guards and ensuring each guard is fully versed in their responsibilities	Supervisor
The Supervisor is responsible for establishing the limits of the danger zone and the guard post locations.	Supervisor
Upon notification from the Supervisor, all guards will ensure their assigned areas are clear of all personnel, equipment and terrestrial wildlife and proceed to their designated guard posts.	Supervisor / Guards
All guards will notify the Supervisor when they have arrived at their assigned positions, and give a status report of their assigned area.	Supervisor / Guards
No guard shall leave their position or allow any person to enter the blast area until the Supervisor gives the "All Clear"	Supervisor
The Supervisor will ensure all guards are in their assigned location.	Supervisor
The Supervisor will then proceed with the blast.	Supervisor

Following the blast, the Supervisor will announce on the radio, the “All Clear” message. All guards will be removed, crews can return to work in the blast area and regular radio communications can recommence.	Supervisor
--	------------

5.4. Blasting Procedure

5.4.1. Objective

To provide the Supervisor with a Pre-Blast, Guarding and a Post Blast procedure that will ensure the safety of all personnel and equipment

5.4.2. Scope

The Supervisor shall ensure that all workers who are assigned the duties of a guard during the blasting operations are trained and understand this procedure.

The workers who are assigned guarding duties during the blasting operations will follow this procedure as directed by the Supervisor.

5.4.3. Introduction

This standard operating procedure is to be used to ensure all employees involved, are trained to understand the blasting procedure

5.4.4. Definitions

- None

5.4.5. Preparation

- Tools: PPE, Portable radio, Electric blasting cap, Detonating cord, Blasting wire, Blasting machine
- Hazards: Slips, Trips, Falls, Personal injury or death; Premature detonation

5.4.6. Tasks

Table f: Requirements and Responsibilities for initiation of a Blast Pattern

Task	Person Responsible
The Supervisor will notify all employees of the impending blasting times during the daily crew line up at the beginning of each shift.	Supervisor
The Supervisor will ensure that the daily blasting times are posted at quarry entrances 2 hours before the blasting operation is conducted	Supervisor
The Blaster will give a 2 hour blast warning, by radio, to the following people: Medic, Supervisor, and Security Supervisor. Each of these people will acknowledge, by radio, that they have received and understood the 2 hour blast warning.	Supervisor
The Blaster will contact the Airport Operations Office.	Supervisor
The Supervisor will instruct all workers and equipment operators to evacuate the blasting area at the appropriate time.	Supervisor
The Supervisor, Blaster and Mine Engineer, will determine the “Blast Danger Zone”	Supervisor / Blaster / Mine Engineer
The Supervisor will assign required personnel the duties of guards during the blasting procedure.	Supervisor
The Supervisor will contact the Environmental Supervisor to establish if there have been any significant terrestrial wildlife sightings that the quarry site needs to be aware of.	Supervisor/Environmental Supervisor
The Supervisor will designate the areas to be guarded	Supervisor
The Guards will follow the instructions of the Supervisor.	Guards

The Supervisor will give a 10 minute blast warning, by radio, to the following people: Medic, Security Manager, and Safety Supervisor. Each of these people will acknowledge, by radio, that they have received and understood the 10 minute blast warning.	Supervisor
---	------------

5.5. Misfires or Cut-off Holes

5.5.1. Objective

To establish a procedure to ensure all misfires/cut-off holes are handled safely and all blasting personnel are fully trained prior to commencing this task.

5.5.2. Scope

The Supervisor shall be responsible for ensuring the blaster follows all safe work practices when performing work on misfired or cut-off holes. These procedures will be reviewed annually or updated when required.

The blaster is responsible to follow this procedure as required by the Supervisor.

5.5.3. Introduction

The NWT / Nunavut Mine Health Safety Act and Regulations require all personnel be adequately trained to do their jobs safely, inspect their worksite or machinery and understand the lock out procedure and fire prevention apparatus and use.

5.5.4. Definitions

- Bootleg: Part of a drilled blast hole that remains when the force of the explosion does not break the rock completely to the bottom of the hole.

5.5.5. Preparation

- Tools: PPE
- Hazards: Slips, trips, and falls, personal injury or death

5.5.6. Tasks

Table g: Misfires or Cut-off Holes

Task	Person Responsible
All workers on a blast pattern will be fully trained in all procedures associated with misfires/cut-off holes.	Workers
Before drilling is commenced, the blaster shall walk the complete pattern to check for any misfire/cut-off holes. The blaster will look for any signs of explosives or lack of ground movement that might indicate a misfire or cut-	Blaster
No person shall drill in loose rock produced by blasting unless the rock has been thoroughly examined by the blaster for explosives, the pattern has been designed to prevent the overlaying of holes and where a hole is discovered containing explosives, drilling will not be closer than 5 m from the hole.	Driller / Blaster
The Supervisor and driller shall not drill or allow drilling to be conducted within 1 m of any part of a bootleg on a blasting pattern or within 5 m of a misfired hole, a cut-off hole or a hole containing explosives.	Supervisor / Blaster
Where an explosive charge has been misfired or cut-off, no work may be performed in the area other than that required making the area safe.	Supervisor / Blaster
All holes must be inspected for detonators or explosives, the blasting area will remain guarded and the hole re-blasted.	Blaster
Once the hole has been cleaned out, the hole may be re-charged, re-stemmed and blasted	Blaster
A hole may be re-drilled for the purpose of re-blasting a missed hole once a Supervisor has determined, after consultation with the driller, the location angle and depth of the hole to be drilled.	Supervisor / Driller
The Supervisor shall supervise the drilling of the hole.	Supervisor

The new hole shall not be closer than 5 m to any part of the missed hole.	Driller
The only explosives that can be removed by washing or lancing from a misfired or cut-off hole include ANFO or slurry/emulsion.	Supervisor / Blaster
The blast pattern shall not be abandoned until it has thoroughly been examined for the presence of explosives in misfired or cut-off holes.	Blaster
Note: If the blaster suspects a misfire, wait ten minutes, and then proceed to check the blast area.	Blaster

6. Excavating Blasted Muck

6.1. Dig Limits for Loading Equipment

6.1.1. Objective

To provide Supervisors and Equipment Operators with a procedure that will enhance safe-working conditions when mucking to a Loaded Blast Face.

6.1.2. Scope

The Supervisor is responsible to ensure that all Loading Equipment Operators are trained and understand this procedure.

All Loading Equipment Operators are responsible to follow the procedure as directed by the Supervisor.

6.1.3. Introduction

NWT / Nunavut Mine Health and Safety Act and Regulations require all personnel be adequately trained to do their jobs safely, inspect their work site or machinery and understand the lock out procedure and fire prevention apparatus and use.

6.1.4. Preparation

- Hazards: Slips, Trips, and Falls
- Tools: Metric measuring tape, red fluorescent paint, survey instrument, stakes, hammer, PPE

6.1.5. Tasks

Table h: Requirements and Responsibilities for mucking into a loaded blast face

Task	Person Responsible
Prior to loading material from any blasted muck pile, the Supervisor will inspect the blasted area. He will consult with the Mine Engineer, to ascertain if there is a charged blast pattern adjacent to the Blasted Material.	Supervisor

The Drill & Blast Supervisor will measure 8 meters perpendicular in front of each charged blast hole in the direction of the blasted material that is to be loaded and position red fluorescent pylons (construction cones) parallel to the charged blast holes.	Supervisor/ Surveyor
The Supervisor is responsible for ensuring that the “Dig Limits” Pylons are in place before loading operations commence.	Supervisor
When facing up the Loading Equipment Operators must stop at the pylons. If a pylon falls down the muck pile the operator must inform the Supervisor immediately. The Loading Equipment will then move laterally to continue progressive loading of the muck pile.	Operator

7. Drill and Blast Employee Responsibilities

7.1. Blast Helpers

7.1.1. Objective

To provide supervisors, blasters and blaster helpers with a procedure for assisting a blaster in the preparation of a blast.

7.1.2. Scope

The Supervisor is responsible to ensure that blast helpers assisting in the preparation of a blast are trained and understand the procedure.

7.1.3. Introduction

This standard operating procedure is to be used for drill and blast operations.

7.1.4. Definitions

- None

7.1.5. Preparation

- Tools: PPE
- Hazards: Slips, trips, and falls, personal injury or death, premature detonation

7.1.6. Tasks

Table i: Requirements and Responsibilities for Blast Helpers

Task	Person Responsible
Before assisting in the preparation of a blast, the blast helper will be trained on the safe handling and preparation of the explosives used during the loading procedure.	Supervisor
Either, Supervisor or the blaster in charge of the blast pattern to be loaded will explain exactly the duties of the blast helper before the work begins.	Supervisor
The blast helper will remain under the direction of the Supervisor or the blaster at all times.	Supervisor
The blast helper will conduct only that part of the blasting operation as directed by the Supervisor or the blaster.	Supervisor

7.2. Drill and Blast Supervisors' Daily Duties

7.2.1. Objective

To provide the Supervisors with a comprehensive inventory of duties to be completed on a daily basis.

7.2.2. Scope

The Superintendent is responsible to ensure all Supervisors are trained and understand this procedure.

The Supervisor is responsible to follow this procedure as directed by the Superintendent.

7.2.3. Introduction

NWT / Nunavut Mine Health and Safety Act and Regulations: require a supervisor to ensure his charges are working safely in a safe environment and in compliance with the regulations, company policy and procedures.

7.2.4. Preparation

- Hazards: Work about charged drill holes, work with explosives, falling rock, slips, trips & falls
- Tools: Blasting Certificate, Supervisor Level I Certificate, PPE

7.2.5. Tasks

Table j: Requirements and Responsibilities of a Supervisor

Task	Person Responsible
The Drill / Blast Supervisor will:	Supervisor
Do a pre shift site tour.	
Read and sign the Daily logbook from the previous shift prior to line up.	
Review maintenance problems and equipment down time with superintendent and previous shifter.	
Prepare D/B crews work assignments with superintendent.	
Prepare daily safety toolbox meeting notes	
Provide instructions to the D/B crew for the daily work assignments	
Directs the blaster and helper to prepare all explosives for the days activities.	
Drill crews are transported to the drill locations. Review previous shift with the off-going driller.	
The area is inspected and the drillers' duties are reviewed.	
The night shift crews are transported to the line-up area	
Record all information in the D/B Daily Logbook. Completed the required documentation for the night-shift crews.	
Participate and provide information during the daily production meeting for all Mine Supervisors and Managers.	

DUTIES IN THE MINE: The Supervisor will: Inspect the area of his/her responsibility, identifying and correcting hazards, sub-standard conditions or non-compliance of procedures, or the NWT / Nunavut Mine Regulations or client.	Supervisor
Provide on the job observations and instructions to the drill/blast crews.	
Ensure the mining / quarrying plan is followed regarding drill and blast patterns, as directed by the Superintendent.	
Ensure the drill/blast crew has the required supplies to complete their daily tasks.	
Ensure the Mine Supervisor is informed of any hazards that may affect the safety of the mine employees or equipment.	
Provide directions and instructions to all employees during the blasting operations regarding the notification and guarding during the blast.	
MISCELLANEOUS DUTIES:	Superintendent/ Supervisor/ Safety
Develop and present timely safety topics at the regular crew Safety meetings.	
- Provide developmental training for drill/blast crews. - Under the direction of the Superintendent, provide up-to-date information regarding manpower, production targets or delays, order and track consumables, complete special assignments, ensure that explosives are handled properly and security is maintained.	

APPENDIX A – Concordance Tables

Table A-1: NIRB Project Certificate No.005 Conditions Relevant to this Plan

Number	Condition	Section
20	To ensure that the effects associated with the manufacturing, storage, transportation and use of explosives do not negatively impact the areas surrounding the Project.	2.11
44	The Proponent shall meet or exceed the guidelines set by Fisheries and Oceans Canada for blasting thresholds and implement practical and effective measures to ensure that residue and by-products of blasting do not negatively affect fish and fish habitat.	2.4; 2.10; 2.11
60	Prior to construction, the Proponent shall develop a detailed blasting program to minimize the effects of blasting on terrestrial wildlife that includes, but is not limited to the restriction of blasting when migrating caribou, sensitive local carnivores or birds may be negatively affected.	5.1; 5.3.6
65	The Proponent shall ensure all employees working at project sites receive awareness training regarding the importance of avoiding known nests and nesting areas and large concentrations of foraging and moulting birds.	5.1
66	If Species at Risk or their nests and eggs are encountered during Project activities or monitoring programs, the primary mitigation measure must be avoidance. The Proponent shall establish clear zones of avoidance on the basis of the species-specific nest setback distances outlined in the Terrestrial Environment Management and Monitoring Plan.	5.1
70	The Proponent shall protect any nests found (or indicated nests) with a buffer zone determined by the setback distances outlined in its Terrestrial Environment Mitigation and Monitoring Plan, until the young have fledged. If it is determined that observance of these setbacks is not feasible, the Proponent will develop nest-specific guidelines and procedures to ensure bird's nests and their young are protected.	5.1

Table A-2: Type A Water Licence (2AM-MRY1235) Conditions Relevant to this Plan

Table A-2: Type A Water Licence (2AM-MRY1235) Conditions Relevant to this Plan

Part	Number	Condition	Section
D	14	The Licensee shall maintain a minimum of thirty-one (31) metre undisturbed buffer zone between the periphery of Quarry sites and the ordinary High Water Mark of any water body unless otherwise approved by the Board in writing. The Licensee shall not excavate and/or remove material from any Quarry beyond a depth of one (1) meter above the ordinary High Water Mark or above the groundwater table, to prevent the potential contamination of groundwater unless otherwise approved by the Board in writing. The Licensee shall construct and operate the Mine Site and associated infrastructure and facilities in accordance with all applicable legislation and industry standards.	2.2
D	15	All surface runoff from Quarry activities for the Project, where flow may directly or indirectly enter a Water body, shall be sampled Weekly and not exceed the Effluent quality limits under Part D, Item 16.	2.9 and 2.11
D	20	The Licensee shall prevent any chemicals, fuel or wastes associated with the undertaking from entering any Water body.	2.4 and 2.11
I	23	The Licensee shall monitor runoff and/or discharge from borrow pits and rock Quarry sites, on a monthly basis, for the following parameters: Total Suspend Solid (TSS) Oil and Grease Ammonia (total NH₃-N) Nitrate (total NO₃-N) pH Conductivity; and Demonstrate to be non-acutely toxic.	2.11

Appendix C:

AMEC 2012- Waste Rock Geochemistry Data

Boreholes used for Analysis:

- MR1-12-223
- MR1-12-224
- MR1-12-225
- MR1-12-226

APPENDIX C – 2012 WASTE ROCK GEOCHEMISTRY DATA

Table 1 - Acid Base Accounting Results

Sample ID	Borehole ID	From	To	Rock Code	Paste pH units	C %	CO ₃ %	NP kg CaCO ₃ /t	Carb NP kg CaCO ₃ /t	S %	SO ₄ -S %	Sulphide* %	AP** kg CaCO ₃ /t	NPR NP/AP	Carb NPR Carb NP/AP
4905	MR1-12-222	134.2	136.2	4acb	8.4	0.015	0.096	18	1.3	0.011	0.01	<0.01	0.31	58	4.0
4909	MR1-12-222	142.2	144.2	4acb	8.3	0.019	0.014	14	1.6	<0.005	<0.01	<0.01	0.31	45	5.1
4910	MR1-12-222	144.2	146.4	4acb	8.0	0.018	0.016	14	1.5	0.007	<0.01	<0.01	0.31	44	4.8
4912	MR1-12-222	148.4	150.4	4a	8.2	0.58	2.8	24	4.9	0.71	0.04	0.67	21	1.2	2.3
4913	MR1-12-222	150.4	152.4	4a	8.0	2.5	12	16	207	0.58	<0.01	0.58	18	0.89	11
4915	MR1-12-222	154.4	156.4	4a	8.3	0.045	0.15	15	3.8	0.58	0.11	0.48	15	1.0	0.25
4918	MR1-12-222	160.4	162.4	4a	8.1	0.019	0.090	18	1.6	0.042	0.04	<0.01	0.31	58	5.1
4921	MR1-12-222	166.2	168.0	4a	7.8	0.018	0.024	22	1.5	0.68	0.15	0.54	17	1.3	0.090
4924	MR1-12-222	171.6	173.3	4a	8.0	0.018	0.023	19	1.5	0.024	0.02	<0.01	0.31	61	4.8
4926	MR1-12-222	175.3	177.3	9a	8.8	0.020	0.059	6.0	1.7	0.46	0.08	0.38	12	0.51	0.14
4927	MR1-12-222	177.3	179.3	9a	8.5	0.020	0.018	7.4	1.7	0.48	0.04	0.43	13	0.55	0.12
4929	MR1-12-222	181.3	183.3	9d	8.4	0.029	0.021	10	2.4	2.1	0.11	1.95	61	0.16	0.040
4931	MR1-12-222	185.3	187.3	9d	8.1	0.34	0.85	30	29	4.8	0.03	4.77	149	0.20	0.19
4932	MR1-12-222	187.3	189.3	9d	8.6	2.9	12	216	243	1.9	0.02	1.88	59	3.7	4.1
4936	MR1-12-222	194.7	196.3	9d	7.7	0.019	0.046	33	1.6	0.27	0.07	0.19	5.9	5.6	0.26
4937	MR1-12-222	196.3	198.3	9d	8.7	0.035	0.017	7.3	2.9	0.26	0.03	0.23	7.2	1.0	0.40
4941	MR1-12-222	204.3	206.3	4ac	7.8	0.023	0.044	27	1.9	0.029	0.02	0.01	0.31	85	6.2
4957	MR1-12-222	236.8	238.8	4acb	7.9	0.015	0.027	26	1.3	0.026	0.03	<0.01	0.31	82	4.0
4962	MR1-12-222	246.8	248.8	4acb	7.8	0.022	0.035	25	1.8	0.019	0.02	<0.01	0.31	79	5.9
4964	MR1-12-222	250.8	252.8	4acb	8.0	0.019	0.036	31	1.6	0.008	<0.01	<0.01	0.31	98	5.1
4966	MR1-12-222	254.8	256.8	4acb	7.7	0.020	0.037	24	1.7	0.031	0.03	<0.01	0.31	76	5.4
4995	MR1-12-223	20.96	22.60	5c	8.9	0.011	0.011	7.3	0.92	0.013	0.01	<0.01	0.31	23	3.0
4997	MR1-12-223	24.60	26.50	5c	8.5	0.016	0.053	4.9	1.3	0.010	0.01	<0.01	0.31	16	4.3
5000	MR1-12-223	30.05	32.45	4a	7.5	0.011	<0.005	13	0.92	0.089	0.08	0.01	0.31	43	3.0
15402	MR1-12-223	34.85	36.65	5c	8.5	0.011	0.017	8.2	0.92	0.156	0.06	0.09	2.8	2.9	0.32
15404	MR1-12-223	38.40	40.10	5c	8.4	0.019	0.0080	6.7	1.6	0.082	0.05	0.04	1.3	5.4	1.3
15406	MR1-12-223	42.10	44.10	4ab	7.6	0.014	0.011	11	1.2	0.048	0.05	<0.01	0.31	34	3.8
15408	MR1-12-223	46.10	48.10	4ab	7.6	0.010	0.0060	12	0.83	0.15	0.10	0.04	1.3	9.8	0.67
15411	MR1-12-223	52.10	54.10	4ab	7.5	0.011	0.0090	10	0.92	0.11	0.05	0.05	1.6	6.4	0.59
15413	MR1-12-223	56.10	58.00	4ab	7.7	0.010	0.0060	15	0.83	0.38	0.15	0.23	7.2	2.1	0.12
15414	MR1-12-223	58.00	59.70	4ab	7.7	0.012	<0.005	15	1.0	0.31	0.12	0.19	5.9	2.5	0.17
15418	MR1-12-223	65.40	67.18	4d	8.1	0.015	<0.005	17	1.3	0.40	0.08	0.32	10	1.7	0.13
15419	MR1-12-223	67.18	69.28	5c	8.2	0.027	<0.005	11	2.3	0.026	<0.01	0.02	0.63	18	3.6
15421	MR1-12-223	71.42	73.40	4b	8.8	0.010	0.022	9.1	0.83	0.049	0.01	0.04	1.3	7.3	0.70
15425	MR1-12-223	79.40	81.40	4b	9.0	0.010	<0.005	7.3	0.83	0.096	0.03	0.07	2.2	3.3	0.38
15426	MR1-12-223	81.40	83.40	4b	9.0	0.014	<0.005	6.6	1.2	0.041	0.02	0.02	0.63	11	1.9
15429	MR1-12-223	87.40	89.20	4b	8.9	0.015	<0.005	7.2	1.3	0.020	<0.01	0.01	0.31	23	4.0
15430	MR1-12-223	89.20	91.00	4b	8.8	0.0080	<0.005	7.9	0.67	0.022	<0.01	0.02	0.63	13	1.1
15434	MR1-12-223	96.60	98.60	5c	9.5	0.0060	<0.005	4.8	0.50	0.085	0.04	0.05	1.6	3.1	0.32
15435	MR1-12-223	98.60	100.60	5c	9.1	0.0080	<0.005	5.2	0.67	0.080	0.03	0.05	1.6	3.3	0.43
15438	MR1-12-223	104.60	106.60	5c	9.5	0.025	<0.005	3.1	2.1	0.009	<0.01	<0.01	0.31	9.9	6.7
15439	MR1-12-223	106.60	108.40	5c	10.2	0.0080	0.0060	5.3	0.67	0.016	0.02	<0.01	0.31	17	2.2
15442	MR1-12-223	112.05	114.10	5c	9.5	<0.005	<0.005	5.0	0.42	0.042	0.02	0.02	0.63	8.0	0.67
15445	MR1-12-223	118.10	120.10	5c	9.7	0.0070	0.033	8.5	0.58	0.010	<0.01	<0.01	0.31	27	1.9
15446	MR1-12-223	120.10	122.10	5c	9.7	0.017	0.039	7.9	1.4	0.21	0.08	0.13	4.1	1.9	0.34
15448	MR1-12-223	124.10	126.20	5c	9.7	0.0090	<0.0050	22	0.75	0.30	0.11	0.19	5.9	3.7	0.13
15451	MR1-12-223	130.40	132.46	5c	9.9	0.0090	0.012	9.7	0.75	0.18	0.06	0.11	3.4	2.8	0.21
15453	MR1-12-223	134.20	136.00	4d	9.1	0.0080	0.026	14	0.67	0.78	0.20	0.57	18	0.79	0.037
15454	MR1-12-223	136.00	137.76	4d	9.1	0.0090	0.030	19	0.75	0.10	0.05	0.05	1.6	12	0.46
15455	MR1-12-223	137.76	139.70	4b	9.0	0.0080	0.017	4.7	0.67	0.47	0.20	0.28	8.8	0.54	0.077
15456	MR1-12-223	139.70	141.60	4b	9.3	0.012	0.0060	8.1	1.0	0.019	0.02	<0.01	0.31	26	3.2
15459	MR1-12-223	145.40	147.30	4b	9.5	0.033	0.050	8.7	2.8	0.020	0.02	<0.01	0.31	28	8.9
15461	MR1-12-223	149.20	151.00	4b	9.4	0.0080	<0.005	7.8	0.67	0.18	0.08	0.10	3.13	2.5	0.22
15463	MR1-12-223	153.00	155.00	4b	8.4	0.010	0.0070	12	0.83	0.18	0.15	0.03	0.94	13	0.89
15465	MR1-12-223	157.00	159.00	4b	9.6	0.011	<0.005	21	0.92	0.92	0.32	0.60	19	1.1	0.049
15467	MR1-12-223	161.00	163.00	4b	9.7	0.0080	0.0060	4.9	0.67	0.046	0.04	0.01	0.31	16	2.2
15469	MR1-12-223	165.00	167.00	4b	9.9	0.0060	0.0050	6.9	0.50	0.014	0.01	<0.01	0.31	22	1.6
15471	MR1-12-223	169.00	170.80	4b	10	0.0070	<0.005	7.4	0.58	0.013	0.01	<0.01	0.31	24	1.9
15472	MR1-12-223	170.80	172.90	4b	9.2	0.010	<0.005	14	0.83	0.017	0.02	<0.01	0.31	45	2.7
15473	MR1-12-223	172.90	175.00	4b	9.1	0.030	0.033	13	2.5	0.182	0.14	0.04	1.3	10	2.0
4989	MR1-12-223a	11.40	13.50	4ab	9.0	0.014	0.0080	17	1.2	0.059	0.06	<0.01	0.31	54	3.8
4992	MR1-12-223a	17.70	19.90	4ab	8.1	0.014	0.011	10	1.2	0.012	0.01	<0.01	0.31	33	3.8
4994	MR1-12-223a	21.40	23.00	5c	9.1	0.010	0.034	5.7	0.83	0.032	0.02	0.01	0.31	18	2.7
15479	MR1-12-224	21.23	23.40	4ca	8.1	0.026	0.012	20	2.2	0.025	0.02	<0.01	0.31	64	7.0
15480	MR1-12-224	23.40	25.50	4ca	8.3	0.021	0.016	24	1.8	0.022	<0.01	0.02	0.63	38	2.8
15482	MR1-12-224	27.50	29.50	5a	9.2	0.027	0.029	13	2.3	0.020	<0.01	0.02	0.63	21	3.6
15484	MR1-12-224	31.30	33.10	5a	10	0.019	0.070	14	1.6	0.017	<0.01	0.02	0.63	22	2.6
15487	MR1-12-224	36.70	38.77	5a	9.2	0.047	0.042	17	3.9	0.011	<0.01	0.02	0.63	27	6.3
15490	MR1-12-224	42.77	44.77	5c	9.8	0.022	0.015	14	1.8	<0.005	<0.01	<0.01	0.31	45	5.9
15492	MR1-12-224	46.77	48.77	5c	9.3	0.018	0.020	17	1.5	0.010	<0.01	0.01	0.31	54	4.8
15493	MR1-12-224	48.77	50.77	5c	9.0	0.011	0.017	16	0.92	0.010	<0.01	0.01	0.31	50	3.0
15497	MR1-12-224	56.77	58.67	5c	9.2	0.017	0.0070	16	1.4	0.007	<0.01	<0.01	0.31	50	4.6
15498	MR1-12-224	58.67	60.57	5c	9.7	0.036	0.050	15	3.0	0.042	0.01	0.03	0.94	16	3.4
15499	MR1-12-224	60.57	62.50	5c	9.8	0.018	0.082	14	1.5	0.006	<0.01	<0.01	0.31	46	4.8
15503	MR1-12-224	67.60	69.31	5a	10	0.028	0.14	15	2.3	0.006	<0.01	<0.01	0.31	47	7.5
15506	MR1-12-224	73.31	75.11	4cb	9.9	0.034	0.067	18	2.8	0.008	<0.01	<0.01	0.31	58	9.1
15510	MR1-12-224	80.40	82.10	5a	10	0.027	0.068	10	2.3	0.030	<0.01	0.02	0.63	16	3.6
15513	MR1-12-224	85.45	87.45	5a	9.5	0.0090	0.053	8.7	0.75	0.048	0.01	0.03	0.94	9.3	0.69
15515	MR1-12-224</														

Table 1 - Acid Base Accounting Results

Sample ID	Borehole ID	From	To	Rock Code	Paste pH units	C %	CO3 %	NP kg CaCO ₃ /t	Carb NP kg CaCO ₃ /t	S %	SO4-S %	Sulphide* %	AP** kg CaCO ₃ /t	NPR NP/AP	Carb NPR Carb NP/AP
15554	MR1-12-224	163.69	165.26	11ab	10	0.028	0.055	22	2.3	0.006	<0.01	<0.01	0.31	70	7.5
15556	MR1-12-224	166.76	168.25	12a	9.8	0.25	1.0	25	21	0.008	<0.01	<0.01	0.31	80	67
15559	MR1-12-224	171.03	172.83	5a	9.9	0.028	0.035	11	2.3	0.011	0.01	<0.01	0.31	35	7.5
15561	MR1-12-224	174.60	176.80	11a	10	0.033	0.075	11	2.8	0.015	0.01	<0.01	0.31	35	8.9
15564	MR1-12-224	181.14	183.14	11a	10	0.032	0.055	14	2.7	0.030	0.01	0.02	0.63	22	4.3
15566	MR1-12-224	185.14	187.14	11a	10	0.10	0.30	17	8.5	0.035	0.01	0.02	0.63	27	14
15568	MR1-12-224	189.14	191.34	11a	10	0.023	0.045	11	1.9	0.058	0.01	0.05	1.6	7.0	1.2
15570	MR1-12-224	193.54	195.82	11a	9.9	0.020	0.030	9.3	1.7	0.011	0.01	<0.01	0.31	30	5.4
15572	MR1-12-224	197.82	199.82	5a	9.9	0.088	0.32	19	7.3	0.026	<0.01	0.02	0.63	30	12
15574	MR1-12-224	201.62	203.54	5a	9.2	0.78	3.7	89	65	0.023	<0.01	0.01	0.31	285	209
15576	MR1-12-224	205.54	207.64	12a	9.6	0.14	0.51	17	11	0.006	<0.01	<0.01	0.31	54	36
15578	MR1-12-224	209.70	211.70	4cb	9.3	0.020	0.025	9.9	1.7	0.016	0.02	<0.01	0.31	32	5.4
15580	MR1-12-224	213.70	215.62	4cb	8.9	0.022	0.030	17	1.8	0.015	0.02	<0.01	0.31	54	5.9
15582	MR1-12-224	217.62	219.82	12a	9.4	0.024	0.025	7.8	2.0	<0.005	<0.01	<0.01	0.31	25	6.5
15584	MR1-12-224	222.02	224.32	12a	9.9	0.090	0.33	12	7.5	0.014	0.01	<0.01	0.31	38	24
15585	MR1-12-224	224.32	226.32	11ab	9.9	0.036	0.13	11	3.0	0.008	<0.01	<0.01	0.31	35	9.7
15587	MR1-12-224	228.32	229.92	11a	10	0.013	0.030	9.2	1.1	0.009	<0.01	<0.01	0.31	29	3.5
15591	MR1-12-224	234.02	236.22	11b	9.9	0.033	0.11	9.4	2.8	<0.005	<0.01	<0.01	0.31	30	8.9
15593	MR1-12-224	238.42	240.71	11b	8.8	0.040	0.020	20	3.3	0.015	0.01	<0.01	0.31	65	11
15595	MR1-12-224	242.71	244.71	5a	10	0.027	0.025	13	2.3	0.019	<0.01	0.01	0.31	42	7.3
15596	MR1-12-224	244.71	246.71	5a	10	0.062	0.11	14	5.2	0.024	0.01	0.01	0.31	45	17
15597	MR1-12-224	246.71	248.55	5a	10	0.064	0.21	13	5.3	0.006	<0.01	<0.01	0.31	41	17
15598	MR1-12-224	248.55	250.55	11ab	10	0.44	1.9	44	37	0.014	0.01	<0.01	0.31	140	119
15599	MR1-12-224	250.55	252.00	11ab	10	0.28	1.2	35	24	0.007	<0.01	<0.01	0.31	111	76
15702	MR1-12-225	14.00	16.00	5c	9.1	0.063	0.12	10	5.3	0.011	0.01	<0.01	0.31	32	17
15703	MR1-12-225	16.00	18.00	5c	9.5	0.024	0.040	7.6	2.0	0.009	<0.01	<0.01	0.31	24	6.5
15706	MR1-12-225	22.00	24.00	5c	9.2	0.018	0.065	13	1.5	0.010	0.01	<0.01	0.31	42	4.8
15709	MR1-12-225	28.00	30.00	5c	9.5	0.013	0.030	13	1.1	0.006	<0.01	<0.01	0.31	42	3.5
15711	MR1-12-225	32.00	34.00	5c	9.5	0.013	0.030	8.9	1.1	0.006	<0.01	<0.01	0.31	28	3.5
15713	MR1-12-225	36.00	38.00	5c	9.6	0.013	0.030	14	1.1	0.009	<0.01	<0.01	0.31	45	3.5
15715	MR1-12-225	40.00	42.00	5c	9.8	0.016	0.030	12	1.3	0.007	<0.01	<0.01	0.31	38	4.3
15717	MR1-12-225	44.00	45.70	5c	9.4	0.019	0.035	24	1.6	0.008	<0.01	<0.01	0.31	77	5.1
15719	MR1-12-225	47.40	49.10	4b	9.7	0.19	0.72	35	16	0.016	<0.01	0.02	0.63	56	26
15721	MR1-12-225	51.00	53.00	4b	9.9	0.22	0.71	55	19	0.008	<0.01	<0.01	0.31	176	60
15723	MR1-12-225	55.30	57.50	4b	9.9	0.10	0.30	24	8.4	0.12	0.03	0.09	2.8	8.5	3.0
15725	MR1-12-225	59.70	62.11	4b	9.8	0.30	1.4	41	25	0.008	<0.01	<0.01	0.31	131	82
15726	MR1-12-225	62.11	64.00	5a	9.8	0.13	0.52	25	11	0.006	<0.01	<0.01	0.31	80	35
15729	MR1-12-225	68.00	70.00	5a	9.8	0.69	2.9	77	58	0.014	<0.01	0.01	0.31	246	186
15731	MR1-12-225	72.00	74.00	5a	9.6	0.43	1.9	51	36	0.009	<0.01	<0.01	0.31	163	116
15733	MR1-12-225	76.00	78.00	5a	9.6	0.71	3.1	65	59	0.021	<0.01	0.02	0.63	104	95
15735	MR1-12-225	80.00	82.00	5a	9.9	0.56	2.5	56	47	0.010	<0.01	<0.01	0.31	179	150
15738	MR1-12-225	86.00	88.00	5a	10	0.44	2.1	44	37	<0.005	<0.01	<0.01	0.31	140	119
15739	MR1-12-225	88.00	90.00	5a	10	0.068	0.24	16	5.7	0.041	0.03	0.01	0.31	51.8	18
15742	MR1-12-225	94.00	96.00	5a	10	1.0	4.9	93	87	<0.005	<0.01	<0.01	0.31	298	280
15743	MR1-12-225	96.00	98.00	5a	10	0.064	0.18	13	5.3	0.033	0.03	<0.01	0.31	41	17
15746	MR1-12-225	102.08	105.35	4b	10	0.17	0.74	27	14	0.009	<0.01	<0.01	0.31	88	47
15749	MR1-12-225	109.00	111.00	5a	9.9	0.073	0.25	19	6.1	0.006	<0.01	<0.01	0.31	60	20
15751	MR1-12-225	113.00	115.00	5a	9.4	0.28	0.87	33	24	0.054	0.04	0.01	0.31	106	76
15752	MR1-12-225	115.00	117.00	5a	9.8	0.040	0.064	11	3.3	0.052	0.04	0.02	0.63	17	5.4
15755	MR1-12-225	121.00	123.00	5a	10	0.030	0.054	14	2.5	0.028	0.03	<0.01	0.31	45	8.1
15757	MR1-12-225	124.74	126.80	11ba	10	0.014	0.025	15	1.2	0.034	0.03	<0.01	0.31	46	3.8
15758	MR1-12-225	126.80	128.90	11ba	9.7	0.016	0.037	18	1.3	0.010	<0.01	<0.01	0.31	59	4.3
15760	MR1-12-225	131.00	133.00	11ba	9.8	0.009	0.052	13	0.75	0.009	<0.01	<0.01	0.31	43	2.4
15764	MR1-12-225	138.40	140.34	11ba	10	0.016	0.027	20	1.3	0.007	<0.01	<0.01	0.31	63	4.3
15766	MR1-12-225	142.37	144.30	11ba	10	0.034	0.083	20	2.8	0.007	<0.01	<0.01	0.31	62	9.1
15768	MR1-12-225	146.00	148.00	11ba	9.8	0.021	0.025	15	1.8	0.015	0.01	<0.01	0.31	49	5.6
15769	MR1-12-225	148.00	150.00	11ba	10	0.020	0.011	14	1.7	0.006	<0.01	<0.01	0.31	44	5.4
15772	MR1-12-225	154.00	155.70	11ba	10	0.014	0.009	16	1.2	0.008	<0.01	<0.01	0.31	52	3.8
15774	MR1-12-225	157.50	159.80	5a	10	0.064	0.15	12	5.3	0.028	0.02	0.01	0.31	39	17
15776	MR1-12-225	162.06	164.00	11ba	10	0.026	0.076	18	2.2	0.009	<0.01	<0.01	0.31	58	7.0
15779	MR1-12-225	168.00	170.00	11ba	10	0.044	0.11	21	3.7	0.008	<0.01	<0.01	0.31	66	12
15780	MR1-12-225	170.00	172.00	11ba	10	0.073	0.23	22	6.1	0.009	<0.01	<0.01	0.31	70	20
15783	MR1-12-225	176.00	178.00	11ba	10	0.074	0.18	22	6.2	0.047	0.03	0.02	0.63	36	9.9
15785	MR1-12-225	180.00	182.00	11ba	10	0.022	0.017	17	1.8	0.019	0.02	<0.01	0.31	55	5.9
15787	MR1-12-225	184.00	186.00	11ba	10	0.096	0.41	16	8.0	0.035	0.02	0.02	0.63	26	13
15789	MR1-12-225	188.00	190.00	11ba	9.9	0.041	0.15	12	3.4	0.007	<0.01	<0.01	0.31	38	11
15790	MR1-12-225	190.00	192.00	11ba	9.9	0.012	0.056	9.9	1.0	0.027	0.03	<0.01	0.31	32	3.2
15793	MR1-12-225	196.00	198.00	11ba	10	0.091	0.37	16	7.6	0.025	0.01	0.01	0.31	51	24
15794	MR1-12-225	198.00	200.00	11ba	9.5	0.042	0.13	13	3.5	0.011	0.01	<0.01	0.31	42	11
15796	MR1-12-225	202.00	204.00	11ba	9.8	0.18	0.76	21	15	0.008	<0.01	<0.01	0.31	68	47
15799	MR1-12-225	208.00	210.20	11ba	9.6	0.16	0.57	20	13	0.027	0.03	<0.01	0.31	63	42
15800	MR1-12-225	210.20	212.40	11ba	9.9	0.31	1.3	31	26	0.100	0.03	0.07	2.2	14	13
15802	MR1-12-225	214.65	217.00	5a	10	0.23	1.1	24	19	0.010	0.01	<0.01	0.31	77	63
15805	MR1-12-225	221.40	223.60	5a	9.9	0.28	1.2	25	23	0.038	0.02	0.02	0.63	39	38
15806	MR1-12-225	223.60	225.80	5a	9.6	0.12	0.48	14	9.7	0.015	0.02	<0.01	0.31	45	31
15808	MR1-12-225	228.00	230.00	11a	9.7	0.052	0.14	13	4.3	0.030	0.03	<0.01	0.31	41	14
15810	MR1-12-225	232.00	234.00	11a	9.9	0.13	0.55	16	11	0.010	<0.01	<0.01	0.31	50	35
15813	MR1-12-225	238.00	240.00	11a	9.7	0.016	0.021	9.9	1.3	0.009	<0.01	<0.01	0.31	32	4.3
15814	MR1-12-225	240.00	242.00												

Table 1 - Acid Base Accounting Results

Sample ID	Borehole ID	From	To	Rock Code	Paste pH units	C %	CO3 %	NP kg CaCO ₃ /t	Carb NP kg CaCO ₃ /t	S %	SO4-S %	Sulphide* %	AP** kg CaCO ₃ /t	NPR NP/AP	Carb NPR Carb NP/AP
15661	MR1-12-226	132.95	134.75	4acb	9.7	0.020	0.020	25	1.7	<0.005	<0.01	<0.01	0.31	79	5.4
15664	MR1-12-226	138.44	140.44	5a	9.6	0.025	0.025	15	2.1	<0.005	<0.01	<0.01	0.31	49	6.7
15665	MR1-12-226	140.44	142.44	5c	9.7	0.013	0.010	14	1.1	<0.005	<0.01	<0.01	0.31	44	3.5
15669	MR1-12-226	148.00	150.00	5c	9.3	0.020	0.010	7.8	1.7	<0.005	<0.01	<0.01	0.31	25	5.4
15670	MR1-12-226	150.00	152.00	5c	9.4	0.013	0.015	16	1.1	<0.005	<0.01	<0.01	0.31	51	3.5
15674	MR1-12-226	158.00	160.00	5c	9.2	0.015	0.015	16	1.3	<0.005	<0.01	0.02	0.63	25	2.0
15678	MR1-12-226	166.00	168.00	5c	9.7	0.013	0.015	15	1.1	<0.005	<0.01	0.01	0.31	47	3.5
15679	MR1-12-226	168.00	170.00	5c	9.7	0.012	0.015	14	1.0	<0.005	<0.01	0.01	0.31	44	3.2
15681	MR1-12-226	172.00	174.00	5c	10	0.023	0.040	15	1.9	0.055	0.02	0.04	1.3	12	1.7
15683	MR1-12-226	176.00	178.00	5c	10	0.017	0.015	15	1.4	0.005	<0.01	0.01	0.31	47	4.6
15685	MR1-12-226	180.00	182.00	5c	9.9	0.020	0.020	14	1.7	0.033	<0.01	0.03	0.94	15	1.8
15688	MR1-12-226	186.00	188.00	5c	9.0	0.10	0.16	13	8.7	0.033	<0.01	0.03	0.94	14	9.2
15691	MR1-12-226	192.00	194.00	5c	9.6	0.054	0.13	15	4.5	0.024	<0.01	0.03	0.94	16	4.8
15692	MR1-12-226	194.00	196.00	5c	9.5	0.042	0.095	11	3.5	0.007	<0.01	<0.01	0.31	35	11
15695	MR1-12-226	199.52	201.20	4b	9.7	0.029	0.070	8.9	2.4	<0.005	<0.01	<0.01	0.31	28	7.8
15696	MR1-12-226	201.20	203.00	5c	9.7	0.049	0.11	12	4.1	0.034	<0.01	0.03	0.94	13	4.3
15700	MR1-12-226	209.00	211.00	5c	10	0.029	0.075	11	2.4	0.012	0.01	<0.01	0.31	35	7.8
15837	MR1-12-226	211.00	213.00	5c	9.4	0.33	1.5	32	28	0.021	0.02	<0.01	0.31	101	89
15840	MR1-12-226	217.50	219.89	5c	9.9	0.087	0.14	11	7.3	0.037	0.04	<0.01	0.31	35	23
15841	MR1-12-226	219.89	222.28	5c	9.8	0.021	0.059	7.5	1.8	<0.005	<0.01	<0.01	0.31	24	5.6
15844	MR1-12-226	226.00	228.30	5c	9.5	0.022	0.071	8.3	1.8	0.063	0.03	0.03	0.94	8.9	2.0
15845	MR1-12-226	228.30	230.30	3	9.0	0.063	0.26	16	5.3	0.025	0.03	<0.01	0.31	52	17
15847	MR1-12-226	232.30	234.30	3	9.4	0.025	0.072	13	2.1	0.104	0.07	0.03	0.94	14	2.2
15850	MR1-12-226	237.57	240.40	3	9.9	0.14	0.61	19	12	0.067	0.03	0.04	1.3	15	9.5
15852	MR1-12-226	242.40	244.40	3	9.8	0.11	0.42	20	9.2	0.065	0.04	0.03	0.94	21	9.8
15854	MR1-12-226	246.40	248.40	3	9.8	0.039	0.088	11	3.3	0.022	0.02	<0.01	0.31	36	10
15856	MR1-12-226	250.40	252.20	3	9.6	0.22	0.93	29	19	0.049	0.03	0.02	0.63	47	30
15858	MR1-12-226	254.00	255.80	3	9.4	0.084	0.30	15	7.0	0.023	0.02	<0.01	0.31	49	23
15860	MR1-12-226	258.00	260.00	5a	9.9	0.040	0.13	12	3.3	0.014	0.01	<0.01	0.31	38	11
15862	MR1-12-226	262.00	264.00	5a	9.7	0.26	1.2	29	21	0.13	0.06	0.08	2.5	12	8.6
15864	MR1-12-226	266.00	268.00	5a	9.8	0.027	0.083	11	2.3	0.027	0.03	<0.01	0.31	36	7.3
15867	MR1-12-226	271.70	274.00	4bc	9.4	0.11	0.46	20	9.3	0.033	0.02	0.01	0.31	63	30
15869	MR1-12-226	275.10	277.14	4bc	9.3	0.014	0.033	2.9	1.2	<0.005	<0.01	<0.01	0.31	9.3	3.8
15871	MR1-12-226	278.90	281.45	4bc	9.8	0.046	0.16	5.0	3.8	0.013	0.01	<0.01	0.31	16	12
15872	MR1-12-226	281.45	283.65	4bc	9.7	0.023	0.059	8.6	1.9	<0.005	<0.01	<0.01	0.31	28	6.2
15873	MR1-12-226	283.65	285.85	4bc	9.9	0.027	0.067	9.9	2.3	0.005	<0.01	<0.01	0.31	32	7.3
15874	MR1-12-226	285.85	287.50	4bc	9.7	0.035	0.056	9.5	2.9	0.008	<0.01	<0.01	0.31	30	9.4
15875	MR1-12-226	287.50	289.14	4bc	9.7	0.047	0.18	14	3.9	0.23	0.09	0.14	4.4	3.2	0.89

Note:

* by difference

** calculated from total carbon

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
4905	MR1-12-222	134.2	136.2	4acb	<0.1	5.80	<0.5	200	1.7	0.09	0.10	<0.02	31	250	54	11.00	0.94	28	6.20	1100	0.3	0.042
4906	MR1-12-222	136.2	138.2	4acb	<0.1	6.30	0.5	33	1.6	1.8	0.12	<0.02	32	230	55	14.00	0.11	27	7.60	1500	3.1	0.012
4907	MR1-12-222	138.2	140.2	4acb	<0.1	6.40	<0.5	290	1.6	0.16	0.11	<0.02	35	290	32	12.00	0.52	22	7.70	1800	0.2	0.024
4908	MR1-12-222	140.2	142.2	4acb	<0.1	5.00	<0.5	530	0.98	0.12	0.10	<0.02	40	310	38	7.00	1.30	23	3.70	680	0.3	0.047
4909	MR1-12-222	142.2	144.2	4acb	<0.1	5.50	<0.5	400	1.4	<0.09	0.11	<0.02	36	280	13	9.30	0.82	21	5.10	1300	0.3	0.033
4910	MR1-12-222	144.2	146.4	4acb	<0.1	6.50	<0.5	19	0.89	<0.09	0.11	<0.02	49	240	57	13.00	0.05	12	7.10	1400	0.6	0.008
4911	MR1-12-222	146.4	148.4	4a	<0.1	6.00	12	100	1.8	0.26	0.25	0.02	49	900	25	16.00	0.36	20	7.60	1600	8.0	0.020
4912	MR1-12-222	148.4	150.4	4a	<0.1	5.20	190	280	1.3	0.64	0.97	0.25	53	500	42	14.00	0.81	21	6.00	1400	66	0.023
4913	MR1-12-222	150.4	152.4	4a	<0.1	5.50	84	57	1.8	2.0	0.11	0.13	55	150	86	13.00	0.62	25	7.40	1700	7.3	0.016
4914	MR1-12-222	152.4	154.4	4a	<0.1	5.90	33	36	1.8	2.0	0.18	0.06	43	150	180	14.00	0.45	25	8.40	2000	5.0	0.015
4915	MR1-12-222	154.4	156.4	4a	<0.1	4.10	74	200	1.1	0.14	0.10	0.06	31	210	64	8.10	1.30	14	4.10	1000	1.4	0.028
4916	MR1-12-222	156.4	158.4	4a	<0.1	4.20	48	90	1.2	<0.09	0.10	<0.02	28	120	49	7.50	0.96	16	4.80	1600	0.7	0.022
4917	MR1-12-222	158.4	160.4	4a	<0.1	5.90	9.1	62	2.1	<0.09	0.13	<0.02	18	95	21	11.00	0.79	25	8.30	2500	0.4	0.018
4918	MR1-12-222	160.4	162.4	4a	<0.1	5.20	1.3	97	1.8	<0.09	0.12	<0.02	18	86	2.9	12.00	0.87	24	6.70	2100	0.7	0.023
4919	MR1-12-222	162.4	164.4	4a	<0.1	6.00	11	20	1.5	<0.09	0.17	<0.02	45	150	45	16.00	0.18	28	8.60	1600	2.1	0.013
4920	MR1-12-222	164.4	166.2	4a	<0.1	6.80	5.0	70	4.0	<0.09	0.22	<0.02	17	22	27	20.00	1.30	21	7.40	2600	2.4	0.040
4921	MR1-12-222	166.2	168.0	4a	<0.1	7.20	8.2	72	4.4	<0.09	0.24	<0.02	20	43	30	15.00	0.82	24	8.70	2800	1.4	0.022
4922	MR1-12-222	168.0	169.8	4a	<0.1	4.90	1.6	220	1.7	<0.09	0.10	<0.02	43	570	31	8.30	1.30	24	4.80	1200	2.3	0.038
4923	MR1-12-222	169.8	171.6	4a	<0.1	4.60	<0.5	31	2.7	0.11	0.07	<0.02	5.2	130	1.6	7.10	0.58	14	6.70	2300	0.5	0.021
4924	MR1-12-222	171.6	173.3	4a	<0.1	5.50	<0.5	36	2.8	0.24	0.07	<0.02	4.2	110	3.5	11.00	0.36	32	8.50	2400	1.1	0.014
4925	MR1-12-222	173.3	175.3	9a	<0.1	0.06	3.6	0.83	0.13	<0.09	0.05	<0.02	2.2	46	3.2	11.00	0.01	<2	0.29	180	0.7	0.008
4926	MR1-12-222	175.3	177.3	9a	<0.1	0.03	4.5	0.30	0.08	<0.09	0.03	<0.02	1.9	42	1.4	13.00	0.01	<2	0.15	46	0.6	0.009
4927	MR1-12-222	177.3	179.3	9a	<0.1	0.03	8.0	0.34	0.07	<0.09	0.04	<0.02	1.6	32	1.3	12.00	0.01	<2	0.40	48	0.4	0.008
4928	MR1-12-222	179.3	181.3	9a	<0.1	0.03	5.1	0.60	0.06	<0.09	0.05	<0.02	1.4	33	2.5	12.00	0.01	<2	0.38	45	0.6	0.008
4929	MR1-12-222	181.3	183.3	9d	<0.1	0.13	27	0.83	0.14	0.10	0.15	<0.02	5.9	11	6.1	36.00	0.01	<2	0.53	140	1.1	0.008
4930	MR1-12-222	183.3	185.3	9d	<0.1	0.11	43	1.1	0.11	<0.09	0.07	<0.02	7.0	12	22	35.00	0.01	<2	0.55	140	4.0	0.006
4931	MR1-12-222	185.3	187.3	9d	<0.1	0.12	27	1.6	0.13	0.10	0.62	0.02	13	11	9.3	37.00	0.01	<2	0.75	1200	0.6	0.008
4932	MR1-12-222	187.3	189.3	9d	<0.1	0.12	19	1.9	0.16	0.22	4.60	<0.02	8.6	11	14	36.00	0.01	<2	2.10	9500	0.9	0.012
4933	MR1-12-222	189.3	191.3	9d	<0.1	0.08	15	1.4	0.14	0.14	0.07	<0.02	4.0	42	18	31.00	0.01	<2	0.27	340	0.7	0.007
4934	MR1-12-222	191.3	193.3	9d	<0.1	0.20	26	2.8	0.19	0.41	0.08	<0.02	6.9	52	27	28.00	0.01	<2	0.49	120	1.2	0.006
4935	MR1-12-222	193.3	194.7	9d	<0.1	0.21	28	3.1	0.21	0.14	0.17	<0.02	8.7	28	18	40.00	0.01	<2	0.52	160	0.8	0.005
4936	MR1-12-222	194.7	196.3	9d	<0.1	4.70	2.2	16	1.6	<0.09	0.34	<0.02	13	450	3.1	16.00	0.12	30	7.30	1200	0.8	0.012
4937	MR1-12-222	196.3	198.3	9d	<0.1	0.08	5.7	1.1	0.23	<0.09	0.11	<0.02	3.1	44	5.5	36.00	0.01	<2	0.25	110	0.6	0.006
4938	MR1-12-222	198.3	200.3	4ac	<0.1	2.70	18	24	1.5	0.16	0.26	<0.02	19	250	38	33.00	0.12	21	4.30	890	3.0	0.006
4939	MR1-12-222	200.3	202.3	4ac	<0.1	3.70	2.8	100	2.1	<0.09	0.31	<0.02	18	320	51	32.00	0.21	25	5.70	1100	7.5	0.010
4940	MR1-12-222	202.3	204.3	4ac	<0.1	6.60	<0.5	120	4.0	<0.09	0.42	<0.02	23	600	34	13.00	0.56	45	9.70	1600	0.8	0.013
4941	MR1-12-222	204.3	206.3	4ac	<0.1	6.60	<0.5	35	4.4	<0.09	0.43	<0.02	29	920	23	12.00	0.66	52	12.00	1700	0.8	0.014
4942	MR1-12-222	206.3	208.1	4ac	<0.1	6.80	0.9	18	3.8	<0.09	0.44	0.02	25	610	22	12.00	0.46	52	13.00	1900	0.9	0.014
4957	MR1-12-222	236.8	238.8	4acb	<0.1	6.70	0.6	130	5.2	<0.09	0.41	<0.02	25	680	6.1	15.00	0.47	38	9.20	2200	2.0	0.018
4958	MR1-12-222	238.8	240.8	4acb	<0.1	7.10	<0.5	200	5.3	<0.09	0.43	<0.02	29	730	46	13.00	0.63	30	9.40	2500	2.3	0.020
4959	MR1-12-222	240.8	242.8	4acb	<0.1	6.40	1.0	110	5.2	<0.09	0.50	<0.02	26	730	90	12.00	0.27	40	12.00	2100	0.2	0.013
4960	MR1-12-222	242.8	244.8	4acb	<0.1	6.60	<0.5	9.4	3.9	<0.09	0.51	<0.02	28	650	45	11.00	0.19	42	13.00	2000	<0.1	0.011
4961	MR1-12-222	244.8	246.8	4acb	<0.1	6.90	<0.5	7.7	4.4	0.44	0.51	<0.02	28	730	31	11.00	0.25	45	13.00	2200	0.2	0.013
4962	MR1-12-222	246.8	248.8	4acb	<0.1	6.70	<0.5	52	6.8	0.66	0.46	<0.02	28	640	32	11.00	0.39	36	12.00	2500	0.2	0.014
4963	MR1-12-222	248.8	250.8	4acb	<0.1	6.40	<0.5	38	4.8	<0.09	0.47	<0.02	31	830	56	13.00	0.11	40	9.50	1900	<0.1	0.014
4964	MR1-12-222	250.8	252.8	4acb	<0.1	6.70	<0.5	130	4.3	<0.09	0.52	<0.02	30	680	30	15.00	0.71	39	8.60	1800	<0.1	0.020
4965	MR1-12-222	252.8	254.8	4acb	<0.1	6.40	2.1	95	3.7	0.13	0.53	<0.02	25	490	18	15.00	0.48	40	8.30	1800	1.7	0.019
4966	MR1-12-222	254.8	256.8	4acb	<0.1	7.00	<0.5	52	5.3	0.14	0.47	<0.02	30	770	48	13.00	0.25	35	9.40	2100	0.4	0.017
4967	MR1-12-222	256.8	258.8	4acb	<0.1	6.80	<0.5	200	5.8	0.12	0.47	<0.02	25	670	43	14.00	0.64	40	9.80	2200	0.4	0.017
4968	MR1-12-222	258.8	260.2	4acb	<0.1	7.10	<0.5	72	6.6	<0.09	0.54	0.02	27	580	5.2	15.00	0.34	30	8.50	1600	0.3	0.016
4995	MR1-12-223	20.96	22.60	5c	<0.1	2.40	<0.5	86	1.1	<0.09	0.07	0.02	12	42	2.6	3.20	0.70	11	2.30	170	0.3	0.015
4996	MR1-12-223	22.60	24.60	5c	<0.1	1.90	<0.5	82	1.4	<0.09	0.09	0.03	9.7	18	3.9	2.50	0.62	10	1.70	160	0.8	0.012
4997	MR1-12-223	24.60	26.50	5c	<0.1	2.00	<0.5	85	0.99	<0.09	0.07	0.03	12	29	3.8	2.90	0.60	9	1.90	140	0.4	0.008
4998	MR1-12-223	26.50	28.30	5c	<0.1	1.80	<0.5	120	0.63	<0.09	0.11	0.04	11	25	11	2.70	0.69	9	1.60	170	0.8	0.011
4999	MR1-12-223	28.30	30.05	5c	<0.1	1.90	2.1	120	0.78	0.30	0.09	0.06	15	22	14	2.90	0.75	10	1.70	160	0.6	0.008
5000	MR1-12-223	30.05	32.45	4a	<0.1	6.60	<0.5	48	2.6	0.30	0.21	0.06	27	69	5.0	9.50	0.55	25	8.30	250	0.3	0.016
15401	MR1-12-223	32.45	34.85	4a	<0.1	4.10	<0.5	51	1.7	0.23												

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15413	MR1-12-223	56.10	58.00	4ab	<0.1	6.10	<0.5	28	2.3	0.46	0.38	0.10	22	1.2	3.9	10.00	0.19	27	6.90	240	6.2	0.011
15414	MR1-12-223	58.00	59.70	4ab	<0.1	6.40	<0.5	29	2.1	0.47	0.33	0.06	26	2.4	8.5	12.00	0.18	21	7.50	230	1.5	0.010
15415	MR1-12-223	59.70	61.70	4d	<0.1	5.10	<0.5	510	1.4	0.18	0.34	0.07	13	17	2.7	8.00	2.60	19	3.60	320	1.0	0.052
15416	MR1-12-223	61.70	63.70	4d	<0.1	5.30	<0.5	580	2.6	<0.09	0.45	0.06	13	6.7	1.5	7.50	2.50	27	3.70	300	3.1	0.052
15417	MR1-12-223	63.70	65.40	4d	<0.1	6.60	1.4	640	1.7	0.43	1.39	0.29	25	32	39	10.00	3.00	28	4.60	340	28	0.059
15418	MR1-12-223	65.40	67.18	4d	<0.1	6.30	<0.5	360	2.1	0.53	0.50	0.09	21	31	7.3	9.70	1.60	37	5.10	260	0.3	0.034
15419	MR1-12-223	67.18	69.28	5c	<0.1	4.50	<0.5	120	1.9	<0.09	0.16	<0.02	15	25	1.1	6.70	0.80	21	4.90	180	0.3	0.021
15420	MR1-12-223	69.28	71.42	5c	<0.1	4.30	<0.5	190	1.6	<0.09	0.18	0.03	16	24	1.8	5.90	1.30	21	4.20	190	0.1	0.029
15421	MR1-12-223	71.42	73.40	4b	<0.1	3.40	<0.5	100	1.1	<0.09	0.09	<0.02	15	29	1.4	4.90	0.67	16	3.50	160	0.4	0.020
15422	MR1-12-223	73.40	75.40	4b	<0.1	1.70	<0.5	180	0.67	0.09	0.12	0.02	8.1	47	11	2.60	0.73	8	1.30	150	0.5	0.019
15423	MR1-12-223	75.40	77.40	4b	<0.1	1.90	2.4	230	0.83	<0.09	0.08	0.03	7.7	46	22	2.80	1.10	10	1.30	230	0.4	0.021
15424	MR1-12-223	77.40	79.40	4b	<0.1	2.20	<0.5	210	1.3	<0.09	0.08	<0.02	13	46	16	3.20	0.95	12	1.70	220	0.7	0.022
15425	MR1-12-223	79.40	81.40	4b	<0.1	2.50	<0.5	200	0.90	<0.09	0.09	<0.02	15	24	12	3.40	1.00	16	2.10	230	0.4	0.016
15426	MR1-12-223	81.40	83.40	4b	<0.1	2.40	<0.5	160	0.81	<0.09	0.10	<0.02	14	37	9.1	2.90	1.10	19	2.00	340	0.7	0.018
15427	MR1-12-223	83.40	85.40	4b	<0.1	1.70	<0.5	97	0.90	<0.09	0.12	0.02	11	32	4.9	2.00	0.75	11	1.60	270	0.7	0.016
15428	MR1-12-223	85.40	87.40	4b	<0.1	2.50	<0.5	130	1.1	<0.09	0.10	<0.02	15	25	2.6	2.60	1.10	17	2.40	410	0.4	0.019
15429	MR1-12-223	87.40	89.20	4b	<0.1	2.50	<0.5	160	1.4	<0.09	0.11	<0.02	16	37	3.3	2.40	1.20	28	2.00	360	0.4	0.022
15430	MR1-12-223	89.20	91.00	4b	<0.1	2.70	<0.5	140	1.8	<0.09	0.11	0.20	16	28	1.1	2.80	0.94	34	2.20	290	1.0	0.020
15431	MR1-12-223	91.00	92.90	4b	<0.1	2.20	<0.5	170	1.1	<0.09	0.09	<0.02	16	23	1.4	2.50	0.92	18	1.80	290	0.5	0.015
15432	MR1-12-223	92.90	94.60	4b	<0.1	2.40	6.2	220	1.2	0.13	0.09	0.04	15	26	18	3.30	1.00	22	1.80	300	1.4	0.014
15433	MR1-12-223	94.60	96.60	5c	<0.1	1.70	11	230	0.82	0.16	0.13	0.07	15	48	23	2.50	0.88	10	1.20	180	1.4	0.022
15434	MR1-12-223	96.60	98.60	5c	<0.1	1.10	<0.5	140	1.0	<0.09	0.07	0.06	8.0	40	20	1.70	0.57	7	0.87	150	0.5	0.009
15435	MR1-12-223	98.60	100.60	5c	<0.1	0.88	<0.5	100	0.24	<0.09	0.07	0.08	5.6	21	20	1.30	0.47	5	0.68	120	0.6	0.008
15436	MR1-12-223	100.60	102.60	5c	<0.1	0.79	<0.5	120	0.34	0.48	0.05	0.10	4.5	62	5.4	0.98	0.27	5	0.71	200	0.2	0.013
15437	MR1-12-223	102.60	104.60	5c	<0.1	0.55	<0.5	87	0.17	0.51	0.05	0.07	5.7	71	12	0.74	0.14	4	0.47	160	0.2	0.010
15438	MR1-12-223	104.60	106.60	5c	<0.1	0.84	0.5	150	0.24	0.13	0.06	<0.02	4.0	24	18	1.00	0.24	5	0.70	180	0.4	0.010
15439	MR1-12-223	106.60	108.40	5c	<0.1	1.10	0.6	110	0.42	0.13	0.06	0.05	4.3	5.0	8.2	1.40	0.35	7	0.92	160	1.0	0.013
15440	MR1-12-223	108.40	110.20	5c	<0.1	2.20	3.3	160	1.2	0.29	1.20	0.52	10	2.4	25	3.30	0.88	12	1.70	280	2.0	0.026
15441	MR1-12-223	110.20	112.05	5c	<0.1	1.10	1.2	140	0.42	<0.09	0.05	0.09	7.8	2.9	38	1.90	0.59	5	0.71	140	3.0	0.024
15442	MR1-12-223	112.05	114.10	5c	<0.1	1.30	0.6	130	0.68	<0.09	0.04	0.03	4.6	22	10	1.80	0.57	6	0.89	150	5.0	0.018
15443	MR1-12-223	114.10	116.10	5c	<0.1	2.60	1.7	330	0.98	0.30	0.19	0.14	10	2.7	34	4.20	1.40	11	1.90	360	4.9	0.030
15444	MR1-12-223	116.10	118.10	5c	<0.1	1.80	0.6	210	0.54	<0.09	0.19	0.12	11	13	18	2.70	0.74	9	1.60	270	2.8	0.025
15445	MR1-12-223	118.10	120.10	5c	<0.1	1.80	<0.5	170	0.45	0.10	0.23	0.13	11	14	1.7	2.90	0.65	11	1.60	390	0.7	0.015
15446	MR1-12-223	120.10	122.10	5c	<0.1	1.50	<0.5	280	0.35	0.21	0.31	0.61	11	16	24	3.10	0.71	9	1.00	390	0.4	0.017
15447	MR1-12-223	122.10	124.10	5c	<0.1	1.30	<0.5	230	0.30	<0.09	0.34	0.18	8.7	15	3.3	2.90	0.59	9	0.94	360	0.3	0.016
15448	MR1-12-223	124.10	126.20	5c	<0.1	1.90	<0.5	340	0.44	0.10	0.19	0.17	8.8	2.5	27	3.20	1.10	7	1.20	330	0.8	0.019
15449	MR1-12-223	126.20	128.30	5c	<0.1	3.40	<0.5	340	0.81	<0.09	0.26	0.16	12	9.8	18	5.00	2.10	12	2.30	540	3.3	0.026
15450	MR1-12-223	128.30	130.40	5c	<0.1	3.70	<0.5	390	0.65	<0.09	0.24	0.18	12	1.6	39	5.40	2.40	15	2.40	580	3.9	0.037
15451	MR1-12-223	130.40	132.46	5c	<0.1	3.40	0.8	380	0.36	<0.09	0.21	2.0	12	15	17	4.70	2.30	14	2.20	440	5.9	0.041
15452	MR1-12-223	132.46	134.20	4d	<0.1	6.50	8.0	530	1.4	0.14	0.25	1.5	29	110	74	18.00	3.80	27	4.20	450	8.5	0.082
15453	MR1-12-223	134.20	136.00	4d	<0.1	8.00	1.0	670	1.6	0.15	0.40	2.3	21	200	51	11.00	5.20	42	5.10	820	30	0.110
15454	MR1-12-223	136.00	137.76	4d	<0.1	9.30	6.0	450	3.0	<0.09	0.74	0.25	24	380	14	13.00	4.10	44	6.70	750	2.4	0.074
15455	MR1-12-223	137.76	139.70	4b	<0.1	5.90	1.0	260	2.1	<0.09	0.13	0.20	13	14	40	7.70	3.50	41	4.00	840	2.3	0.056
15456	MR1-12-223	139.70	141.60	4b	<0.1	3.60	<0.5	140	2.1	<0.09	0.14	0.05	10	8.7	1.5	3.80	2.00	36	2.60	410	0.3	0.037
15457	MR1-12-223	141.60	143.50	4b	<0.1	3.60	<0.5	130	2.5	<0.09	0.12	0.03	9.8	6.6	1.1	3.70	2.00	40	2.50	410	0.1	0.046
15458	MR1-12-223	143.50	145.40	4b	<0.1	5.00	<0.5	250	1.1	1.8	0.17	0.36	27	71	3.3	5.70	3.40	36	3.50	620	210	0.071
15459	MR1-12-223	145.40	147.30	4b	<0.1	4.30	<0.5	170	2.5	<0.09	0.13	0.09	12	85	2.4	4.50	2.70	27	3.50	710	1.6	0.054
15460	MR1-12-223	147.30	149.20	4b	<0.1	4.20	<0.5	210	2.3	<0.09	0.06	0.05	7.4	22	14	4.20	2.70	19	3.10	680	5.0	0.067
15461	MR1-12-223	149.20	151.00	4b	<0.1	2.90	<0.5	120	1.5	<0.09	0.07	0.59	7.5	20	33	3.40	1.60	27	2.00	390	3.5	0.034
15462	MR1-12-223	151.00	153.00	4b	<0.1	4.50	<0.5	160	3.6	<0.09	0.19	0.16	12	110	20	5.10	1.70	47	3.50	570	5.3	0.053
15463	MR1-12-223	153.00	155.00	4b	<0.1	5.80	<0.5	170	3.0	<0.09	0.38	0.12	20	96	20	7.30	2.10	55	4.70	650	4.9	0.039
15464	MR1-12-223	155.00	157.00	4b	<0.1	4.70	<0.5	170	1.7	<0.09	0.43	0.30	9.5	76	2.0	5.40	2.30	37	3.60	590	22	0.050
15465	MR1-12-223	157.00	159.00	4b	<0.1	6.10	<0.5	260	1.9	<0.09	1.00	1.2	17	31	53	7.80	4.00	37	4.60	960	6.2	0.061
15466	MR1-12-223	159.00	161.00	4b	<0.1	3.80	<0.5	210	1.8	<0.09	0.33	0.18	9.7	160	1.9	3.50	2.30	23	3.00	680	1.5	0.054
15467	MR1-12-223	161.00	163.00	4b	<0.1	1.00	<0.5	75	0.64	4.9	0.03	0.19	2.9	12	13	1.00	0.74	11	0.82	260	87	0.019
15468	MR1-12-223	163.00	165.00	4b	<0.1	2.70	<0.5	250	1.1	<0.09	0.05	0.09	4.5	44	3.8	2.10	2.00	20	1.90	570	7.1	0.044
15469	MR1-12-223	165.00	167.00	4b	<0.1	2.50	<0.5	110														

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15480	MR1-12-224	23.40	25.50	4ca	<0.1	6.80	<0.5	570	1.3	0.32	0.11	0.04	24	230	5.1	16.00	2.00	32	4.30	660	3.0	0.036
15481	MR1-12-224	25.50	27.50	5a	<0.1	5.50	<0.5	720	1.3	0.11	0.14	0.03	20	320	7.8	7.60	2.00	29	3.60	470	2.1	0.049
15482	MR1-12-224	27.50	29.50	5a	<0.1	3.30	0.7	530	0.63	0.16	0.03	0.03	16	210	33	5.20	1.90	20	1.60	240	8.2	0.044
15483	MR1-12-224	29.50	31.30	5a	<0.1	3.00	<0.5	320	0.29	<0.09	0.06	0.03	8.6	89	12	5.00	1.90	14	1.10	140	4.9	0.058
15484	MR1-12-224	31.30	33.10	5a	<0.1	3.00	<0.5	300	0.37	<0.09	0.05	<0.02	6.7	100	12	4.20	2.00	11	1.40	120	6.6	0.055
15485	MR1-12-224	33.10	34.90	5a	<0.1	2.30	<0.5	140	0.75	<0.09	0.01	<0.02	4.9	100	27	3.10	1.30	9	1.20	120	2.3	0.050
15486	MR1-12-224	34.90	36.70	5a	<0.1	2.70	<0.5	180	0.88	<0.09	0.07	0.02	5.1	99	36	3.40	1.50	24	1.50	210	4.4	0.049
15487	MR1-12-224	36.70	38.77	5a	<0.1	3.90	<0.5	310	1.2	<0.09	0.15	<0.02	6.8	94	14	4.60	1.80	58	2.40	370	4.0	0.056
15488	MR1-12-224	38.77	40.77	5c	<0.1	2.60	<0.5	160	0.82	<0.09	0.10	<0.02	7.9	79	2.2	3.60	1.30	14	1.50	350	1.0	0.049
15489	MR1-12-224	40.77	42.77	5c	<0.1	2.50	<0.5	230	0.61	<0.09	0.14	0.02	6.6	120	35	4.20	1.40	14	1.30	340	3.4	0.038
15490	MR1-12-224	42.77	44.77	5c	<0.1	2.40	<0.5	140	0.85	<0.09	0.10	0.03	7.6	100	16	3.10	1.40	10	1.30	350	2.8	0.048
15491	MR1-12-224	44.77	46.77	5c	<0.1	3.00	<0.5	200	0.93	<0.09	0.10	<0.02	8.6	78	3.6	3.60	1.50	20	1.80	360	1.2	0.051
15492	MR1-12-224	46.77	48.77	5c	<0.1	3.80	<0.5	320	0.77	<0.09	0.19	<0.02	10	78	7.9	4.60	2.10	36	2.10	290	1.0	0.079
15493	MR1-12-224	48.77	50.77	5c	<0.1	3.50	<0.5	220	0.72	<0.09	0.20	<0.02	13	74	5.2	4.40	1.90	21	2.00	320	0.8	0.062
15494	MR1-12-224	50.77	52.77	5c	<0.1	3.20	<0.5	200	0.74	<0.09	0.15	<0.02	13	89	6.8	4.20	1.40	23	2.00	380	9.3	0.055
15495	MR1-12-224	52.77	54.77	5c	<0.1	3.30	<0.5	120	0.83	0.09	0.20	<0.02	12	73	5.0	4.90	1.10	26	2.40	570	1.9	0.034
15496	MR1-12-224	54.77	56.77	5c	<0.1	2.90	<0.5	310	0.48	<0.09	0.18	<0.02	10	69	14	4.10	1.70	26	1.80	790	2.0	0.091
15497	MR1-12-224	56.77	58.67	5c	<0.1	2.70	<0.5	340	0.52	<0.09	0.17	<0.02	12	67	7.8	4.20	1.40	27	1.70	690	4.0	0.055
15498	MR1-12-224	58.67	60.57	5c	<0.1	2.20	<0.5	430	0.24	<0.09	0.24	<0.02	9.0	74	12	3.80	1.30	20	1.10	670	2.2	0.082
15499	MR1-12-224	60.57	62.50	5c	<0.1	2.10	<0.5	220	0.17	0.15	0.20	<0.02	11	48	2.2	3.20	1.50	23	1.10	540	28	0.110
15500	MR1-12-224	62.50	64.20	5a	<0.1	1.70	<0.5	260	0.21	<0.09	0.32	<0.02	7.0	68	14	3.20	1.20	18	0.73	430	2.3	0.120
15501	MR1-12-224	64.20	65.90	5a	<0.1	1.60	<0.5	230	0.20	<0.09	0.30	0.02	6.5	62	37	3.00	1.30	19	0.69	380	1.4	0.110
15502	MR1-12-224	65.90	67.60	5a	<0.1	1.70	<0.5	230	0.26	0.12	0.33	0.03	7.8	63	50	3.20	1.20	19	0.72	370	2.0	0.110
15503	MR1-12-224	67.60	69.31	5a	<0.1	1.80	<0.5	240	0.18	<0.09	0.37	<0.02	7.7	57	5.8	3.10	1.40	21	0.74	350	1.2	0.120
15504	MR1-12-224	69.31	71.31	4cb	<0.1	1.80	<0.5	120	0.34	<0.09	0.18	<0.02	8.6	65	11	2.60	1.30	20	1.00	400	1.5	0.140
15505	MR1-12-224	71.31	73.31	4cb	<0.1	2.50	<0.5	170	0.22	<0.09	0.51	<0.02	14	94	25	3.50	1.90	25	1.80	560	0.7	0.110
15506	MR1-12-224	73.31	75.11	4cb	<0.1	2.50	<0.5	150	0.24	<0.09	0.31	<0.02	12	74	12	3.40	1.90	26	1.70	530	1.1	0.100
15507	MR1-12-224	75.11	76.91	4cb	<0.1	2.30	<0.5	140	0.20	<0.09	0.22	0.03	11	48	6.1	3.50	1.70	25	1.40	520	1.0	0.110
15508	MR1-12-224	76.91	78.70	4cb	<0.1	1.70	<0.5	160	0.22	0.15	0.26	0.07	7.3	61	15	2.90	1.20	20	0.87	410	0.9	0.110
15509	MR1-12-224	78.70	80.40	5a	<0.1	1.70	<0.5	200	0.11	<0.09	0.28	<0.02	7.9	29	17	3.50	1.40	19	0.77	350	0.9	0.044
15510	MR1-12-224	80.40	82.10	5a	<0.1	1.80	<0.5	250	0.15	<0.09	0.28	<0.02	7.7	23	15	3.30	1.40	22	0.85	410	0.7	0.058
15511	MR1-12-224	82.10	83.45	5a	<0.1	3.10	<0.5	440	0.18	0.17	0.21	<0.02	16	30	74	5.70	2.50	29	1.70	770	0.6	0.047
15512	MR1-12-224	83.45	85.45	5a	<0.1	3.40	<0.5	550	0.20	0.10	0.47	0.03	18	92	31	5.80	2.60	32	2.10	850	0.7	0.047
15513	MR1-12-224	85.45	87.45	5a	<0.1	2.30	<0.5	370	0.22	<0.09	0.17	<0.02	12	39	23	4.00	1.70	26	1.40	630	0.8	0.052
15514	MR1-12-224	87.45	89.25	5ab	<0.1	2.00	<0.5	170	0.13	<0.09	0.11	<0.02	9.5	24	3.3	3.40	1.60	24	1.10	560	0.2	0.049
15515	MR1-12-224	89.25	90.95	5ab	<0.1	2.60	<0.5	430	0.29	0.41	0.22	<0.02	11	58	10	3.90	1.90	29	1.50	690	0.7	0.120
15516	MR1-12-224	90.95	92.79	5ab	<0.1	2.90	<0.5	420	0.34	<0.09	0.24	<0.02	15	110	19	4.30	2.20	30	2.30	670	2.2	0.110
15517	MR1-12-224	92.79	94.79	4acb	<0.1	1.80	<0.5	94	0.33	0.18	1.50	0.07	15	260	28	3.00	1.60	24	2.00	460	0.7	0.085
15518	MR1-12-224	94.79	96.49	4acb	<0.1	1.40	<0.5	66	0.38	<0.09	1.30	0.06	12	240	40	2.30	1.10	21	1.70	320	0.8	0.081
15519	MR1-12-224	96.49	98.19	4acb	<0.1	2.20	<0.5	410	0.29	<0.09	0.37	0.04	11	120	17	3.30	1.30	23	1.80	400	1.2	0.099
15520	MR1-12-224	98.19	99.89	4acb	<0.1	2.70	<0.5	410	0.50	<0.09	0.42	0.02	14	170	17	3.50	1.20	30	2.70	690	1.4	0.072
15521	MR1-12-224	99.89	101.59	4acb	<0.1	3.20	<0.5	290	0.73	0.39	2.60	0.19	20	550	13	3.50	1.40	50	3.30	680	1.4	0.042
15522	MR1-12-224	101.59	103.41	4acb	<0.1	4.00	<0.5	500	0.52	<0.09	2.80	0.16	30	760	16	4.60	2.20	52	4.70	840	1.3	0.045
15523	MR1-12-224	103.41	105.41	5a	<0.1	1.60	<0.5	170	0.23	<0.09	1.90	0.11	4.8	67	31	2.10	1.20	14	1.10	830	4.2	0.130
15524	MR1-12-224	105.41	107.41	5a	<0.1	1.80	<0.5	160	0.14	<0.09	0.91	0.05	7.8	54	44	2.70	1.50	16	1.30	730	1.8	0.140
15525	MR1-12-224	107.41	109.41	5a	<0.1	2.00	<0.5	160	0.18	<0.09	0.77	0.02	8.8	45	38	2.80	1.60	18	1.30	700	1.3	0.110
15526	MR1-12-224	109.41	111.41	5a	<0.1	0.68	<0.5	120	0.15	<0.09	1.50	0.03	1.8	62	5.1	0.88	0.44	6	0.43	460	4.8	0.097
15527	MR1-12-224	111.41	113.51	5a	<0.1	1.00	<0.5	160	0.16	<0.09	1.30	0.03	3.4	73	29	1.40	0.71	10	0.75	490	2.3	0.100
15528	MR1-12-224	113.51	115.61	5a	<0.1	1.10	<0.5	88	0.16	<0.09	1.80	0.03	2.7	62	5.1	1.30	0.66	9	0.66	600	1.1	0.110
15529	MR1-12-224	115.61	117.80	5a	<0.1	1.20	<0.5	140	0.19	<0.09	1.80	0.03	3.5	55	14	1.70	0.89	10	0.75	660	1.6	0.094
15530	MR1-12-224	117.80	119.80	4bc	<0.1	2.60	<0.5	92	0.63	<0.09	0.77	0.02	9.0	85	29	3.10	1.80	26	2.00	710	6.2	0.092
15531	MR1-12-224	119.80	121.60	4bc	<0.1	3.00	<0.5	160	0.19	<0.09	0.49	0.05	12	62	6.9	3.80	2.40	24	1.90	710	1.4	0.120
15532	MR1-12-224	121.60	123.39	4bc	<0.1	2.00	<0.5	130	0.22	<0.09	0.47	0.04	8.1	67	3.2	2.50	1.50	20	1.10	510	1.0	0.140
15533	MR1-12-224	123.39	125.39	11ab	<0.1	1.50	<0.5	95	0.22	<0.09	0.28	0.04	7.6	67	9.0	2.00	1.20	15	0.72	320	1.7	0.074
15534	MR1-12-224	125.39	127.39	11ab	<0.1	1.80	<0.5	110	0.14	<0.09	0.24	0.05	9.8	57	25	2.50	1.50	17	0.87	330	1.5	0.067
15535	MR1-12-224	127.39	129.39	11ab	<0.1	1.70	<0.5	87	0.13	<0.09	0.29	0.03	6.6	58	12	2.30	1.30	16	0.70	430	0.9	0.092

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15549	MR1-12-224	153.89	155.89	11ab	<0.1	1.80	<0.5	130	0.35	<0.09	0.24	<0.02	10	79	21	2.50	1.00	20	1.10	350	1.4	0.054
15550	MR1-12-224	155.89	157.89	11ab	<0.1	2.70	<0.5	69	0.35	<0.09	0.80	0.05	21	320	27	3.10	1.10	45	3.00	440	0.8	0.024
15551	MR1-12-224	157.89	159.89	11ab	<0.1	3.60	<0.5	160	0.50	<0.09	0.57	0.05	26	370	26	4.30	2.40	44	3.70	620	1.0	0.038
15552	MR1-12-224	159.89	161.89	11ab	<0.1	2.10	<0.5	140	0.30	<0.09	0.22	0.18	12	59	43	3.00	1.40	19	1.20	460	1.5	0.047
15553	MR1-12-224	161.89	163.69	11ab	<0.1	1.90	<0.5	64	0.41	<0.09	1.70	0.42	7.2	66	83	2.30	1.20	22	1.50	980	0.9	0.099
15554	MR1-12-224	163.69	165.26	11ab	<0.1	1.90	<0.5	69	0.26	<0.09	0.21	0.09	7.7	53	12	2.70	1.60	24	1.20	570	1.1	0.065
15555	MR1-12-224	165.26	166.76	12a	<0.1	0.72	<0.5	19	0.30	0.16	0.53	0.15	1.3	81	25	0.82	0.41	12	0.49	360	1.0	0.081
15556	MR1-12-224	166.76	168.25	12a	<0.1	0.72	<0.5	13	0.31	0.18	0.88	0.30	1.4	89	26	0.91	0.27	12	0.62	440	1.9	0.071
15557	MR1-12-224	168.25	169.03	11ab	<0.1	1.20	<0.5	26	0.34	0.19	1.30	0.28	6.2	54	26	2.00	0.33	17	1.20	670	1.1	0.031
15558	MR1-12-224	169.03	171.03	5a	<0.1	1.70	<0.5	63	0.27	<0.09	0.23	0.02	8.7	59	7.4	2.40	0.89	20	0.95	350	1.2	0.068
15559	MR1-12-224	171.03	172.83	5a	<0.1	1.80	<0.5	75	0.24	<0.09	0.15	0.02	9.9	38	6.8	2.40	1.30	20	0.96	350	0.6	0.054
15560	MR1-12-224	172.83	174.60	5a	<0.1	2.10	<0.5	88	0.27	<0.09	1.40	0.03	11	53	8.8	3.00	1.40	27	1.60	740	1.6	0.077
15561	MR1-12-224	174.60	176.80	11a	<0.1	1.80	<0.5	110	0.25	<0.09	0.23	0.04	8.3	61	14	2.60	1.40	20	0.98	460	0.7	0.086
15562	MR1-12-224	176.80	179.14	11a	<0.1	2.30	<0.5	92	0.38	<0.09	0.86	0.02	10	72	14	3.30	1.40	39	2.20	630	1.6	0.073
15563	MR1-12-224	179.14	181.14	11a	<0.1	2.40	<0.5	140	0.22	<0.09	0.38	0.06	12	43	26	3.90	2.00	25	1.30	520	1.3	0.095
15564	MR1-12-224	181.14	183.14	11a	<0.1	2.00	<0.5	120	0.19	<0.09	0.40	0.08	9.2	70	29	3.20	1.60	20	0.97	420	1.9	0.095
15565	MR1-12-224	183.14	185.14	11a	<0.1	2.20	<0.5	130	0.16	<0.09	0.36	0.16	11	41	42	3.70	1.80	21	1.00	420	0.8	0.099
15566	MR1-12-224	185.14	187.14	11a	<0.1	2.10	<0.5	120	0.29	<0.09	0.81	0.17	9.5	60	22	3.20	1.60	20	1.10	550	1.4	0.097
15567	MR1-12-224	187.14	189.14	11a	<0.1	2.40	<0.5	130	0.29	<0.09	0.55	0.16	9.2	58	18	3.40	1.80	27	1.30	550	1.5	0.110
15568	MR1-12-224	189.14	191.34	11a	<0.1	1.90	<0.5	85	0.23	<0.09	0.32	0.17	11	36	32	3.00	1.50	22	0.92	340	0.7	0.073
15569	MR1-12-224	191.34	193.54	11a	<0.1	1.90	<0.5	78	0.21	<0.09	0.23	0.14	9.5	53	5.5	2.80	1.50	23	1.10	430	2.7	0.068
15570	MR1-12-224	193.54	195.82	11a	<0.1	1.90	<0.5	50	0.25	<0.09	0.16	0.13	10	31	9.3	2.60	1.40	24	1.20	440	0.5	0.058
15571	MR1-12-224	195.82	197.82	5a	<0.1	2.20	<0.5	79	0.32	0.47	0.18	0.54	12	64	96	3.00	1.60	28	1.40	570	1.5	0.064
15572	MR1-12-224	197.82	199.82	5a	<0.1	3.00	<0.5	150	0.32	<0.09	0.62	0.17	14	44	15	4.10	2.30	25	1.90	980	0.6	0.082
15573	MR1-12-224	199.82	201.62	5a	<0.1	2.60	<0.5	62	0.62	<0.09	0.75	0.06	12	67	31	3.60	1.60	38	2.40	810	1.5	0.087
15574	MR1-12-224	201.62	203.54	5a	<0.1	2.90	<0.5	60	0.97	<0.09	2.70	0.04	9.3	26	18	4.40	1.20	58	4.00	1300	3.7	0.048
15575	MR1-12-224	203.54	205.54	12a	<0.1	1.30	<0.5	11	0.73	<0.09	3.80	0.03	2.7	84	12	1.90	0.25	37	2.30	1000	4.5	0.035
15576	MR1-12-224	205.54	207.64	12a	<0.1	0.90	<0.5	12	0.50	0.10	0.42	<0.02	1.7	70	26	1.30	0.24	17	1.10	290	1.1	0.039
15577	MR1-12-224	207.64	209.70	12a	<0.1	1.70	<0.5	20	0.80	0.14	0.15	<0.02	5.0	83	23	2.60	0.42	30	1.90	410	1.5	0.032
15578	MR1-12-224	209.70	211.70	4cb	<0.1	2.10	<0.5	42	0.58	<0.09	0.14	<0.02	11	57	21	3.20	1.10	31	1.60	500	0.5	0.034
15579	MR1-12-224	211.70	213.70	4cb	<0.1	2.00	<0.5	51	0.55	<0.09	0.14	<0.02	10	48	17	3.10	1.10	29	1.60	500	0.8	0.029
15580	MR1-12-224	213.70	215.62	4cb	<0.1	2.90	<0.5	43	1.1	<0.09	0.12	<0.02	25	97	48	4.50	1.00	55	3.30	890	1.0	0.016
15581	MR1-12-224	215.62	217.62	12a	<0.1	0.67	<0.5	11	0.47	<0.09	0.04	<0.02	1.9	99	25	1.00	0.26	13	0.52	190	2.2	0.045
15582	MR1-12-224	217.62	219.82	12a	<0.1	0.82	<0.5	11	0.52	<0.09	0.04	<0.02	2.6	65	35	1.20	0.27	20	0.74	230	1.2	0.041
15583	MR1-12-224	219.82	222.02	12a	<0.1	0.80	<0.5	7.2	0.52	<0.09	0.19	<0.02	1.9	110	46	1.20	0.25	17	0.74	270	2.5	0.053
15584	MR1-12-224	222.02	224.32	12a	<0.1	0.82	<0.5	10	0.36	<0.09	0.28	<0.02	2.2	110	33	1.20	0.42	13	0.69	480	2.7	0.051
15585	MR1-12-224	224.32	226.32	11ab	<0.1	2.20	<0.5	59	0.32	<0.09	0.27	<0.02	8.9	39	12	2.70	1.60	25	1.50	730	1.0	0.090
15586	MR1-12-224	226.32	228.32	11ab	<0.1	2.40	<0.5	76	0.28	<0.09	0.18	<0.02	12	41	11	3.30	1.90	25	1.50	590	0.5	0.071
15587	MR1-12-224	228.32	229.92	11a	<0.1	2.10	<0.5	65	0.28	<0.09	0.14	<0.02	12	39	3.1	3.10	1.70	22	1.20	410	0.8	0.068
15588	MR1-12-224	229.92	231.37	11a	<0.1	2.40	<0.5	94	0.25	<0.09	0.24	<0.02	11	28	3.3	3.40	1.80	26	1.40	490	0.4	0.077
15589	MR1-12-224	231.37	232.02	11ab	<0.1	2.40	<0.5	70	0.22	<0.09	0.22	<0.02	12	37	7.4	3.60	2.00	23	1.40	490	0.8	0.056
15590	MR1-12-224	232.02	234.02	11b	<0.1	1.10	<0.5	57	0.28	<0.09	0.28	0.04	3.8	66	20	1.50	0.72	13	0.61	410	0.8	0.069
15591	MR1-12-224	234.02	236.22	11b	<0.1	1.40	<0.5	90	0.28	<0.09	0.18	<0.02	5.4	80	9.3	2.00	1.10	14	0.85	550	1.7	0.065
15592	MR1-12-224	236.22	238.42	11b	<0.1	2.30	<0.5	53	0.59	<0.09	0.14	<0.02	11	37	5.4	3.60	1.20	39	2.50	640	0.6	0.051
15593	MR1-12-224	238.42	240.71	11b	<0.1	2.90	<0.5	49	0.85	<0.09	0.18	<0.02	15	49	5.3	4.60	1.10	53	3.20	1000	0.9	0.045
15594	MR1-12-224	240.71	242.71	5a	<0.1	3.20	<0.5	110	0.73	<0.09	0.26	<0.02	19	88	8.4	5.30	1.70	45	3.20	1100	1.4	0.067
15595	MR1-12-224	242.71	244.71	5a	<0.1	2.20	<0.5	170	0.22	<0.09	0.26	0.04	12	69	65	3.80	1.80	18	1.30	560	1.9	0.067
15596	MR1-12-224	244.71	246.71	5a	<0.1	2.20	0.7	190	0.19	0.12	0.38	<0.02	12	66	77	4.10	1.90	19	1.20	520	1.1	0.061
15597	MR1-12-224	246.71	248.55	5a	<0.1	1.50	0.5	190	0.21	<0.09	0.41	<0.02	5.8	78	32	2.60	1.20	15	0.79	400	0.4	0.073
15598	MR1-12-224	248.55	250.55	11ab	<0.1	1.40	<0.5	82	0.21	<0.09	1.90	0.05	5.3	76	13	2.20	1.00	11	0.98	900	0.5	0.085
15599	MR1-12-224	250.55	252.00	11ab	<0.1	2.10	<0.5	150	0.20	0.09	1.30	<0.02	11	70	15	3.40	1.70	18	1.50	1100	3.0	0.110
15701	MR1-12-225	12.30	14.00	5c	<0.1	3.20	24	55	3.4	1.8	0.12	0.07	130	82	110	9.90	0.22	77	1.00	1200	8.3	0.018
15702	MR1-12-225	14.00	16.00	5c	<0.1	2.50	4.0	200	0.78	0.13	0.17	0.04	23	73	25	4.40	0.79	32	1.40	320	0.5	0.024
15703	MR1-12-225	16.00	18.00	5c	<0.1	1.80	1.8	190	0.46	<0.09	0.12	0.05	9.5	71	17	2.90	0.61	11	0.91	220	0.4	0.030
15704	MR1-12-225	18.00	20.00	5c	<0.1	2.10	0.5	260	0.43	<0.09	0.12	0.06	10	64	9.1	3.20	0.58	11	1.30	280	0.3	0.027
15705	MR1-12-225	20.00	22.00	5c	<0.1	2.10	0.6	230	0.64	<0.09	0.12	0.03	7.9	71	4.1	3.30						

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15719	MR1-12-225	47.40	49.10	4b	<0.1	2.80	<0.5	160	0.71	<0.36	1.70	0.07	6.6	51	9.6	2.90	1.40	28	1.90	1200	1.4	0.052
15720	MR1-12-225	49.10	51.00	4b	<0.1	2.00	<0.5	150	0.62	<0.13	1.70	0.07	5.7	68	53	2.30	0.99	20	1.10	770	2.5	0.063
15721	MR1-12-225	51.00	53.00	4b	<0.1	2.90	<0.5	180	0.72	<0.09	1.90	0.05	5.5	56	7.1	2.90	1.50	24	1.40	1000	0.9	0.082
15722	MR1-12-225	53.00	55.30	4b	<0.1	3.80	<0.5	240	0.66	<0.46	1.20	0.03	11	64	38	4.90	2.30	31	2.30	1000	1.5	0.110
15723	MR1-12-225	55.30	57.50	4b	<0.1	2.80	<0.5	180	0.29	<0.31	0.89	0.04	13	50	41	4.20	2.00	22	1.70	820	0.3	0.082
15724	MR1-12-225	57.50	59.70	4b	<0.1	4.20	<0.5	200	0.41	<0.09	0.80	<0.02	14	48	4.3	4.80	2.90	23	2.30	960	0.2	0.210
15725	MR1-12-225	59.70	62.11	4b	<0.1	3.10	<0.5	140	0.52	<0.09	2.00	0.05	10	56	3.6	3.70	1.80	25	1.90	1200	1.3	0.071
15726	MR1-12-225	62.11	64.00	5a	<0.1	2.20	<0.5	160	0.51	<0.09	1.40	0.06	3.9	52	6.2	2.60	0.98	18	1.20	820	0.5	0.064
15727	MR1-12-225	64.00	66.00	5a	<0.1	1.60	<0.5	170	0.28	<0.09	2.10	0.10	3.5	75	12	2.00	0.94	12	0.88	910	2.5	0.088
15728	MR1-12-225	66.00	68.00	5a	<0.1	1.80	<0.5	140	0.62	<0.09	1.80	0.05	3.6	58	8.0	2.10	0.86	17	1.10	840	0.9	0.095
15729	MR1-12-225	68.00	70.00	5a	<0.1	1.90	<0.5	150	0.46	<0.09	2.80	0.05	3.7	42	14	2.90	0.95	18	1.50	1300	0.6	0.100
15730	MR1-12-225	70.00	72.00	5a	<0.1	2.70	<0.5	48	0.72	0.12	3.50	0.03	7.8	40	180	4.40	0.71	52	3.30	1700	0.2	0.050
15731	MR1-12-225	72.00	74.00	5a	<0.1	2.20	0.6	99	0.54	<0.09	1.90	0.04	7.1	57	22	3.20	1.30	23	1.80	1200	1.6	0.056
15732	MR1-12-225	74.00	76.00	5a	<0.1	2.00	<0.5	120	0.78	<0.09	5.60	0.08	3.5	49	3.9	2.40	1.30	21	1.70	1600	0.3	0.054
15733	MR1-12-225	76.00	78.00	5a	<0.1	1.60	<0.5	270	0.22	0.10	2.10	0.04	3.9	80	17	2.50	1.10	17	1.20	680	2.4	0.069
15734	MR1-12-225	78.00	80.00	5a	<0.1	1.60	<0.5	250	0.22	0.11	0.39	<0.02	4.4	68	12	2.40	1.00	17	0.76	360	0.5	0.092
15735	MR1-12-225	80.00	82.00	5a	<0.1	2.00	<0.5	250	0.27	4.7	2.10	0.13	5.0	74	18	2.90	1.40	18	1.20	990	2.0	0.097
15736	MR1-12-225	82.00	84.00	5a	<0.1	1.80	<0.5	230	0.37	0.76	0.58	0.03	4.3	63	13	2.40	1.10	17	1.00	570	0.3	0.110
15737	MR1-12-225	84.00	86.00	5a	<0.1	1.60	<0.5	150	0.20	<0.09	0.68	<0.02	4.0	91	3.9	2.40	1.10	15	1.00	520	3.0	0.070
15738	MR1-12-225	86.00	88.00	5a	<0.1	1.60	<0.5	120	0.36	0.12	1.90	0.05	3.5	89	11	1.90	0.90	12	0.84	750	1.7	0.100
15739	MR1-12-225	88.00	90.00	5a	<0.1	2.50	<0.5	160	0.35	<0.09	0.82	0.03	11	55	20	3.50	1.60	21	1.40	640	0.8	0.062
15740	MR1-12-225	90.00	92.00	5a	<0.1	2.20	0.5	170	0.35	<0.09	1.50	0.07	7.7	52	19	3.20	1.30	18	1.40	930	0.9	0.082
15741	MR1-12-225	92.00	94.00	5a	<0.1	1.90	0.6	210	0.30	<0.09	1.40	0.12	5.6	89	15	2.80	1.20	14	1.20	780	2.1	0.100
15742	MR1-12-225	94.00	96.00	5a	<0.1	1.40	<0.5	140	0.34	<0.09	3.70	0.09	3.0	54	7.7	1.80	0.84	11	0.84	1100	0.9	0.061
15743	MR1-12-225	96.00	98.00	5a	<0.1	1.70	<0.5	260	0.16	<0.09	0.42	0.03	5.4	89	8.2	2.70	1.20	15	0.94	520	2.3	0.071
15744	MR1-12-225	98.00	100.00	5a	<0.1	1.90	<0.5	230	0.50	<0.09	0.95	0.03	4.4	80	4.3	2.30	1.20	14	0.88	530	2.0	0.069
15745	MR1-12-225	100.00	102.08	4b	<0.1	2.20	<0.5	240	0.30	<0.09	0.87	0.03	6.4	92	13	3.00	1.30	18	1.20	620	2.3	0.075
15746	MR1-12-225	102.08	105.35	4b	<0.1	2.80	<0.5	280	0.37	<0.09	1.10	0.03	13	47	3.1	3.60	1.90	22	1.70	730	0.7	0.061
15747	MR1-12-225	105.35	107.00	5a	<0.1	2.40	<0.5	160	0.43	<0.09	1.70	0.04	6.8	85	3.8	3.10	1.40	23	1.90	1000	1.9	0.070
15748	MR1-12-225	107.00	109.00	5a	<0.1	2.00	<0.5	170	0.29	<0.09	1.10	0.03	6.2	110	17	2.70	1.10	16	1.30	830	0.4	0.140
15749	MR1-12-225	109.00	111.00	5a	<0.1	2.40	<0.5	180	0.45	<0.09	0.59	0.03	7.7	71	6.9	3.00	1.60	21	1.60	770	1.1	0.110
15750	MR1-12-225	111.00	113.00	5a	<0.1	2.00	<0.5	200	0.42	0.20	2.70	0.16	4.5	85	15	2.60	1.10	28	1.80	1200	1.8	0.057
15751	MR1-12-225	113.00	115.00	5a	<0.1	1.70	0.7	120	0.43	0.26	0.63	0.03	5.8	130	54	3.00	0.58	27	1.70	700	1.1	0.052
15752	MR1-12-225	115.00	117.00	5a	<0.1	1.30	<0.5	260	0.25	<0.09	0.22	0.07	4.9	110	32	2.20	0.61	13	0.65	360	3.6	0.091
15753	MR1-12-225	117.00	119.00	5a	<0.1	1.60	<0.5	240	0.27	<0.09	0.25	<0.02	6.5	91	10	2.50	1.10	12	0.75	400	6.7	0.085
15754	MR1-12-225	119.00	121.00	5a	<0.1	1.60	<0.5	280	0.26	<0.09	0.14	<0.02	7.5	83	10	2.60	1.10	14	0.78	360	0.4	0.068
15755	MR1-12-225	121.00	123.00	5a	<0.1	1.70	<0.5	340	0.26	0.10	0.20	<0.02	7.3	89	9.2	2.70	1.10	15	0.79	400	1.3	0.084
15756	MR1-12-225	123.00	124.74	5a	<0.1	1.80	<0.5	340	0.18	0.11	0.17	0.03	6.7	90	35	3.00	1.20	16	0.75	520	0.6	0.089
15757	MR1-12-225	124.74	126.80	11ba	<0.1	2.30	<0.5	240	0.30	<0.09	0.13	0.02	13	64	21	3.10	1.70	21	1.20	560	0.7	0.058
15758	MR1-12-225	126.80	128.90	11ba	<0.1	3.70	<0.5	350	0.67	0.25	0.25	<0.02	17	81	43	5.10	2.50	37	2.20	1100	0.5	0.079
15759	MR1-12-225	128.90	131.00	11ba	<0.1	3.00	<0.5	270	0.62	1.0	0.20	0.02	15	74	26	3.80	1.90	26	2.10	710	0.9	0.044
15760	MR1-12-225	131.00	133.00	11ba	<0.1	2.30	<0.5	180	0.40	<0.09	0.12	<0.02	14	46	4.4	3.00	1.30	20	1.50	390	1.1	0.044
15761	MR1-12-225	133.00	135.00	11ba	<0.1	2.20	<0.5	170	0.34	<0.09	0.11	<0.02	14	60	5.0	3.20	1.20	21	1.40	390	0.6	0.049
15762	MR1-12-225	135.00	136.70	11ba	<0.1	1.30	<0.5	110	0.27	0.09	0.13	0.02	7.2	72	11	2.80	0.43	18	0.83	310	0.9	0.049
15763	MR1-12-225	136.70	138.40	11ba	<0.1	1.80	<0.5	230	0.37	<0.09	0.18	<0.02	10	54	17	3.10	0.90	21	1.00	350	0.5	0.050
15764	MR1-12-225	138.40	140.34	11ba	<0.1	3.00	<0.5	280	0.32	<0.09	0.29	<0.02	19	86	18	4.40	2.20	29	2.00	440	0.6	0.100
15765	MR1-12-225	140.34	142.37	11ba	<0.1	1.10	<0.5	130	0.23	<0.09	0.32	<0.02	5.3	99	26	1.60	0.61	13	0.54	210	0.4	0.095
15766	MR1-12-225	142.37	144.30	11ba	<0.1	3.10	<0.5	530	0.22	<0.09	0.41	<0.02	20	65	10	4.50	2.50	29	1.90	500	1.3	0.130
15767	MR1-12-225	144.30	146.00	11ba	<0.1	3.80	<0.5	660	0.28	<0.09	0.64	<0.02	19	92	11	4.80	2.90	29	2.20	500	0.2	0.210
15768	MR1-12-225	146.00	148.00	11ba	<0.1	2.30	<0.5	240	0.29	<0.09	0.24	<0.02	13	71	19	3.20	1.40	26	1.40	350	0.7	0.092
15769	MR1-12-225	148.00	150.00	11ba	<0.1	2.30	<0.5	180	0.20	<0.09	0.14	<0.02	14	61	7.9	3.00	1.60	22	1.40	340	0.7	0.085
15770	MR1-12-225	150.00	152.00	11ba	<0.1	2.30	<0.5	190	0.22	<0.09	0.26	<0.02	12	49	23	3.00	1.60	22	1.40	480	0.3	0.100
15771	MR1-12-225	152.00	154.00	11ba	<0.1	2.60	<0.5	210	0.25	<0.09	0.24	<0.02	15	54	14	3.60	1.80	25	1.70	530	0.6	0.099
15772	MR1-12-225	154.00	155.70	11ba	<0.1	2.70	<0.5	200	0.26	<0.09	0.19	<0.02	17	49	21	3.80	1.90	25	1.80	540	0.2	0.064
15773	MR1-12-225	155.70	157.50	11ba	<0.1	2.40	<0.5	200	0.27	<0.09	0.18	0.03	13	55	9.5	3.10	1.70	25	1.60	520	0.6	0.098
15774	MR1-12-225	157.50	159.80	5a	<0.1	1.30	<0.5	260	0.16	<0.09	0.37	<0.02	4.4	80	13	1.90	0.88					

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15788	MR1-12-225	186.00	188.00	11ba	<0.1	2.30	<0.5	120	0.17	<0.09	0.18	<0.02	14	26	13	3.50	1.70	25	1.70	510	0.3	0.031
15789	MR1-12-225	188.00	190.00	11ba	<0.1	2.80	<0.5	130	0.20	<0.09	0.38	<0.02	17	39	11	3.90	2.20	29	2.10	610	0.4	0.048
15790	MR1-12-225	190.00	192.00	11ba	<0.1	2.60	<0.5	200	0.19	<0.09	0.23	<0.02	16	42	24	4.10	1.90	27	2.00	540	0.3	0.038
15791	MR1-12-225	192.00	194.00	11ba	<0.1	2.40	<0.5	180	0.26	<0.09	0.63	<0.02	15	32	17	3.50	1.40	33	2.10	650	0.4	0.039
15792	MR1-12-225	194.00	196.00	11ba	<0.1	2.40	<0.5	290	0.10	<0.09	0.27	<0.02	14	29	2.6	3.50	2.00	22	1.80	530	0.3	0.058
15793	MR1-12-225	196.00	198.00	11ba	<0.1	2.30	<0.5	170	0.13	<0.09	0.46	<0.02	15	24	16	3.50	1.90	24	1.80	530	0.3	0.053
15794	MR1-12-225	198.00	200.00	11ba	<0.1	2.30	<0.5	97	0.29	<0.09	0.28	<0.02	14	26	10	3.70	1.30	37	2.20	510	0.3	0.039
15795	MR1-12-225	200.00	202.00	11ba	<0.1	2.20	<0.5	170	0.17	<0.09	0.71	<0.02	14	34	28	3.20	1.70	27	1.80	590	0.3	0.046
15796	MR1-12-225	202.00	204.00	11ba	<0.1	2.30	<0.5	130	0.19	<0.09	0.69	<0.02	13	28	7.3	3.30	1.70	27	1.90	580	0.3	0.038
15797	MR1-12-225	204.00	206.00	11ba	<0.1	2.50	<0.5	110	0.19	<0.09	0.48	<0.02	14	25	14	3.50	1.80	27	1.90	660	0.3	0.062
15798	MR1-12-225	206.00	208.00	11ba	<0.1	2.10	<0.5	93	0.19	<0.09	0.50	<0.02	12	22	13	3.10	1.40	25	1.60	540	0.3	0.045
15799	MR1-12-225	208.00	210.20	11ba	<0.1	2.20	<0.5	200	0.26	<0.09	0.62	<0.02	10	30	12	3.10	1.50	29	1.90	720	0.4	0.045
15800	MR1-12-225	210.20	212.40	11ba	<0.1	1.50	<0.5	100	0.18	<0.09	1.10	<0.02	6.4	28	13	2.30	1.10	18	1.40	760	0.7	0.044
15801	MR1-12-225	212.40	214.65	11ba	<0.1	1.40	<0.5	67	0.30	<0.09	3.20	0.03	7.7	26	65	2.30	0.92	19	1.80	1200	0.7	0.032
15802	MR1-12-225	214.65	217.00	5a	<0.1	1.40	<0.5	110	0.21	<0.09	0.88	0.02	4.4	30	13	2.30	1.10	17	1.10	680	0.7	0.028
15803	MR1-12-225	217.00	219.20	5a	<0.1	1.10	<0.5	170	0.14	<0.09	0.37	<0.02	5.7	31	3.2	2.10	0.89	16	0.74	420	0.7	0.034
15804	MR1-12-225	219.20	221.40	5a	<0.1	1.30	<0.5	240	0.24	<0.09	0.90	<0.02	5.4	35	3.1	2.10	0.93	22	0.90	540	1.1	0.039
15805	MR1-12-225	221.40	223.60	5a	<0.1	0.97	<0.5	190	0.15	<0.09	0.97	<0.02	4.1	34	16	1.90	0.73	14	0.61	450	0.8	0.039
15806	MR1-12-225	223.60	225.80	5a	<0.1	1.10	<0.5	160	0.18	<0.09	0.51	<0.02	4.4	35	9.2	2.10	0.69	18	0.84	440	1.0	0.032
15807	MR1-12-225	225.80	228.00	5a	<0.1	1.20	<0.5	170	0.16	<0.09	0.60	<0.02	4.1	33	11	2.00	0.94	17	0.77	550	1.5	0.040
15808	MR1-12-225	228.00	230.00	11a	<0.1	2.00	<0.5	150	0.48	<0.09	0.36	<0.02	10	87	13	2.70	1.50	27	1.70	550	0.9	0.036
15809	MR1-12-225	230.00	232.00	11a	<0.1	2.00	<0.5	77	0.51	<0.09	1.00	0.03	7.0	33	6.4	2.50	1.40	23	1.40	730	0.6	0.086
15810	MR1-12-225	232.00	234.00	11a	<0.1	1.50	<0.5	84	0.21	<0.09	0.56	<0.02	5.5	42	8.2	2.10	1.10	21	1.10	660	1.3	0.056
15811	MR1-12-225	234.00	236.00	11a	<0.1	2.50	<0.5	130	0.17	<0.09	0.18	<0.02	14	30	9.0	3.40	1.90	22	2.00	570	0.3	0.046
15812	MR1-12-225	236.00	238.00	11a	<0.1	2.70	<0.5	180	0.35	<0.09	1.30	0.02	11	29	5.4	3.30	1.90	28	2.10	900	0.5	0.068
15813	MR1-12-225	238.00	240.00	11a	<0.1	3.20	<0.5	140	0.40	0.18	4.10	<0.02	14	33	19	4.40	1.70	46	4.10	1400	0.3	0.052
15814	MR1-12-225	240.00	242.00	11a	<0.1	2.70	<0.5	160	0.22	<0.09	0.26	<0.02	16	30	10	3.90	1.70	38	2.60	640	0.2	0.033
15815	MR1-12-225	242.00	244.00	11a	<0.1	2.80	<0.5	250	0.15	<0.09	0.52	<0.02	14	35	3.7	3.60	2.20	25	2.10	700	0.3	0.064
15816	MR1-12-225	244.00	246.00	11a	<0.1	2.80	<0.5	200	0.15	<0.09	0.18	<0.02	15	31	11	3.80	2.30	28	2.20	670	0.3	0.047
15817	MR1-12-225	246.00	248.00	11a	<0.1	2.60	<0.5	190	0.19	<0.09	0.27	<0.02	15	32	32	3.50	2.00	32	2.10	610	0.3	0.040
15818	MR1-12-225	248.00	250.20	11a	<0.1	2.10	<0.5	130	0.12	<0.09	0.18	<0.02	14	26	6.7	3.10	1.60	23	1.60	500	0.3	0.029
15819	MR1-12-225	250.20	252.40	11a	<0.1	2.50	<0.5	160	0.27	<0.09	0.14	<0.02	14	25	2.0	3.60	1.60	36	2.20	560	0.3	0.032
15820	MR1-12-225	252.40	254.65	11a	<0.1	2.30	<0.5	130	0.19	<0.09	0.14	<0.02	13	31	2.9	3.30	1.70	31	1.80	480	0.3	0.028
15821	MR1-12-225	254.65	257.20	11a	<0.1	1.40	<0.5	130	0.19	0.09	0.46	<0.02	5.8	29	23	2.50	0.98	19	0.88	370	0.4	0.028
15822	MR1-12-225	257.20	259.20	11a	<0.1	2.60	<0.5	170	0.30	<0.09	0.22	<0.02	14	32	7.1	3.60	1.70	38	2.20	620	0.3	0.040
15823	MR1-12-225	259.20	261.20	11a	<0.1	2.60	<0.5	140	0.30	<0.09	0.45	<0.02	12	30	8.5	3.30	1.70	39	2.30	590	0.3	0.070
15824	MR1-12-225	261.20	263.20	11a	<0.1	2.30	<0.5	150	0.13	<0.09	0.35	<0.02	13	28	8.1	3.30	1.90	20	1.70	470	0.3	0.058
15825	MR1-12-225	263.20	265.00	11a	<0.1	2.30	<0.5	170	0.21	<0.09	0.80	<0.02	13	27	9.1	3.30	1.60	25	1.90	700	0.5	0.067
15826	MR1-12-225	265.00	267.00	11a	<0.1	1.20	<0.5	160	0.15	<0.09	0.83	<0.02	4.3	35	5.9	2.30	0.76	16	1.10	580	0.7	0.032
15827	MR1-12-225	267.00	269.00	5a	<0.1	1.10	<0.5	120	0.18	<0.09	0.75	<0.02	3.7	27	2.5	2.00	0.49	16	1.20	570	0.7	0.028
15828	MR1-12-225	269.00	271.00	5a	<0.1	1.10	<0.5	150	0.10	<0.09	1.10	<0.02	3.7	28	4.7	1.90	0.70	12	0.92	620	0.5	0.031
15829	MR1-12-225	271.00	273.13	5a	<0.1	1.30	<0.5	66	0.32	<0.09	1.10	<0.02	4.6	30	17	2.00	0.60	28	1.30	620	0.8	0.029
15830	MR1-12-225	273.13	275.00	11a	<0.1	2.40	<0.5	110	0.17	<0.09	1.20	<0.02	12	30	8.0	3.10	1.70	21	2.10	830	0.3	0.110
15831	MR1-12-225	275.00	277.00	11a	<0.1	2.40	<0.5	130	0.14	<0.09	0.55	<0.02	13	30	13	3.40	1.90	23	1.80	560	0.3	0.073
15832	MR1-12-225	277.00	279.00	11a	<0.1	2.50	<0.5	140	0.08	<0.09	0.51	<0.02	15	28	16	3.80	2.20	20	1.80	500	0.2	0.080
15833	MR1-12-225	279.00	281.00	11a	<0.1	2.60	<0.5	190	0.13	<0.09	0.55	<0.02	16	37	11	3.80	2.00	22	1.90	570	0.3	0.090
15834	MR1-12-225	281.00	283.00	11a	<0.1	1.90	<0.5	110	0.18	0.16	0.87	0.06	15	35	55	3.10	1.40	23	1.50	480	0.4	0.047
15835	MR1-12-225	283.00	285.00	11a	<0.1	2.00	<0.5	100	0.13	0.11	0.39	<0.02	13	31	25	3.10	1.50	22	1.50	470	0.4	0.045
15836	MR1-12-225	285.00	286.60	11a	<0.1	2.10	<0.5	60	0.24	<0.09	0.67	<0.02	12	32	11	3.30	1.10	34	2.20	580	0.3	0.037
15630	MR1-12-226	73.17	75.27	4ac	<0.1	3.70	372	16	0.65	1.7	0.01	0.22	14	280	190	22.00	0.04	3	1.50	1400	124	0.005
15631	MR1-12-226	75.27	77.37	4ac	<0.1	4.50	77	34	0.81	2.3	0.01	0.17	12	100	180	23.00	0.03	5	2.70	1300	158	0.006
15632	MR1-12-226	77.37	79.65	4ac	<0.1	4.80	147	9.5	0.64	0.84	0.01	0.13	11	150	170	17.00	0.02	7	2.90	1300	89	0.007
15644	MR1-12-226	101.34	103.34	4a	<0.1	8.00	2.2	2.9	0.93	<0.09	0.08	<0.02	40	600	7.9	18.00	0.01	<2	6.80	360	3.0	0.005
15645	MR1-12-226	103.34	105.24	4a	<0.1	8.00	9.0	1.2	1.3	0.18	0.13	0.03	52	760	8.1	16.00	0.01	3	7.40	510	4.9	0.005
15646	MR1-12-226	105.24	107.16	4a	<0.1	7.80	1.9	2.3	1.5	<0.09	0.01	0.03	41	660	8.6	19.00	0.01	<2	6.60	520	2.8	0.005
15650	MR1-12-226	112.93	114.93	4acb	<0.1	3.50																

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15664	MR1-12-226	138.44	140.44	5a	<0.1	3.20	1.1	380	1.1	0.11	0.24	<0.02	9.3	76	12	4.40	1.90	13	1.80	250	0.7	0.043
15665	MR1-12-226	140.44	142.44	5c	<0.1	3.40	<0.5	420	0.60	0.12	0.22	<0.02	7.1	83	21	5.10	2.00	12	1.70	200	2.3	0.048
15666	MR1-12-226	142.44	144.14	5c	<0.1	4.30	<0.5	940	0.31	0.14	0.20	<0.02	6.7	82	65	7.30	3.10	10	1.70	140	2.8	0.070
15667	MR1-12-226	144.14	146.00	5c	<0.1	4.00	<0.5	750	0.23	0.17	0.22	<0.02	7.0	84	34	6.70	2.90	11	1.60	170	11	0.069
15668	MR1-12-226	146.00	148.00	5c	<0.1	3.30	<0.5	370	0.86	0.14	0.17	<0.02	8.3	100	7.7	4.20	2.00	24	1.80	280	3.5	0.054
15669	MR1-12-226	148.00	150.00	5c	<0.1	2.40	<0.5	210	0.39	0.18	0.15	<0.02	8.2	43	19	3.30	1.50	19	1.70	290	0.9	0.033
15670	MR1-12-226	150.00	152.00	5c	<0.1	3.20	<0.5	350	0.73	0.12	0.19	0.02	11	120	10	3.90	1.90	24	2.30	470	2.3	0.057
15671	MR1-12-226	152.00	154.00	5c	<0.1	2.70	<0.5	300	0.68	<0.09	0.18	<0.02	8.7	76	5.2	3.60	1.70	16	1.60	350	2.2	0.053
15672	MR1-12-226	154.00	156.00	5c	<0.1	3.00	<0.5	350	1.00	0.16	0.20	<0.02	8.1	92	16	3.60	2.00	28	1.70	280	2.8	0.065
15673	MR1-12-226	156.00	158.00	5c	<0.1	4.10	<0.5	380	1.3	0.15	0.36	0.02	13	160	18	4.60	2.40	43	3.40	540	6.9	0.076
15674	MR1-12-226	158.00	160.00	5c	<0.1	2.90	<0.5	440	1.3	0.16	0.25	<0.02	8.9	92	4.7	3.80	1.90	36	1.70	540	3.3	0.056
15675	MR1-12-226	160.00	162.00	5c	<0.1	2.70	<0.5	430	0.56	0.28	0.21	<0.02	11	97	81	4.50	1.50	37	1.60	620	2.6	0.048
15676	MR1-12-226	162.00	164.00	5c	<0.1	2.20	<0.5	490	0.48	0.20	0.21	<0.02	7.3	88	24	3.20	1.30	31	1.10	490	2.3	0.080
15677	MR1-12-226	164.00	166.00	5c	<0.1	2.50	<0.5	300	0.62	0.18	0.21	<0.02	8.4	82	21	3.40	1.50	23	1.50	330	2.9	0.053
15678	MR1-12-226	166.00	168.00	5c	<0.1	3.10	<0.5	280	0.92	0.24	0.21	<0.02	8.6	82	14	3.90	1.80	23	2.00	340	3.8	0.055
15679	MR1-12-226	168.00	170.00	5c	<0.1	2.90	<0.5	310	0.93	0.23	0.19	<0.02	9.5	83	17	3.90	1.60	18	1.70	390	3.5	0.053
15680	MR1-12-226	170.00	172.00	5c	<0.1	2.80	<0.5	330	0.70	0.85	0.20	<0.02	9.7	74	19	4.00	1.40	22	1.70	470	4.6	0.058
15681	MR1-12-226	172.00	174.00	5c	<0.1	2.30	<0.5	580	0.23	0.25	0.25	<0.02	8.6	70	25	4.00	1.60	21	1.00	540	1.9	0.098
15682	MR1-12-226	174.00	176.00	5c	<0.1	2.30	<0.5	480	0.28	0.25	0.33	0.02	12	67	77	4.60	1.30	22	1.20	590	2.7	0.074
15683	MR1-12-226	176.00	178.00	5c	<0.1	2.30	<0.5	510	0.25	0.18	0.22	<0.02	9.8	78	6.9	4.00	1.60	26	1.20	580	11	0.073
15684	MR1-12-226	178.00	180.00	5c	<0.1	2.30	<0.5	520	0.25	0.14	0.29	<0.02	8.9	73	17	4.00	1.50	24	1.20	510	2.5	0.087
15685	MR1-12-226	180.00	182.00	5c	<0.1	2.20	<0.5	470	0.22	0.11	0.25	<0.02	9.2	76	26	3.90	1.50	24	1.10	500	2.0	0.083
15686	MR1-12-226	182.00	184.00	5c	<0.1	2.10	<0.5	570	0.19	0.32	0.25	0.17	8.8	94	180	3.70	1.50	23	1.00	520	4.5	0.089
15687	MR1-12-226	184.00	186.00	5c	<0.1	2.30	<0.5	300	0.32	<0.09	0.21	<0.02	10	79	7.0	4.20	1.30	24	1.30	640	0.9	0.048
15688	MR1-12-226	186.00	188.00	5c	<0.1	2.10	<0.5	130	0.61	<0.09	0.36	<0.02	8.6	63	25	3.80	0.75	25	1.30	610	1.0	0.046
15689	MR1-12-226	188.00	190.00	5c	<0.1	1.60	<0.5	140	0.31	<0.09	0.42	<0.02	7.4	88	12	3.00	0.87	17	0.97	440	0.7	0.067
15690	MR1-12-226	190.00	192.00	5c	<0.1	2.10	<0.5	160	0.59	<0.09	0.42	<0.02	7.3	72	9.5	3.50	1.10	24	1.30	620	0.5	0.048
15691	MR1-12-226	192.00	194.00	5c	<0.1	2.60	<0.5	430	0.43	<0.09	0.36	<0.02	8.4	54	40	4.40	1.60	21	1.40	650	1.2	0.079
15692	MR1-12-226	194.00	196.00	5c	<0.1	1.60	0.7	170	0.34	<0.09	0.26	<0.02	6.7	73	12	2.70	0.83	15	0.87	350	0.5	0.050
15693	MR1-12-226	196.00	197.80	5c	<0.1	2.10	<0.5	230	0.32	<0.09	0.34	<0.02	8.0	70	16	3.70	1.30	18	1.20	530	3.0	0.080
15694	MR1-12-226	197.80	199.52	5c	<0.1	1.80	<0.5	180	0.30	<0.09	0.42	<0.02	7.1	64	20	3.30	1.10	15	0.91	400	4.9	0.084
15695	MR1-12-226	199.52	201.20	4b	<0.1	1.80	<0.5	77	0.31	<0.09	0.15	<0.02	7.7	64	2.1	2.60	0.99	19	1.10	460	4.6	0.074
15696	MR1-12-226	201.20	203.00	5c	<0.1	1.80	<0.5	170	0.32	<0.09	0.33	0.02	8.2	65	23	3.40	1.20	17	0.93	400	1.9	0.068
15697	MR1-12-226	203.00	205.00	5c	<0.1	2.00	<0.5	160	0.32	<0.09	0.34	<0.02	7.7	68	21	3.60	1.20	17	1.00	340	4.5	0.080
15698	MR1-12-226	205.00	207.00	5c	<0.1	1.80	<0.5	90	0.61	<0.09	0.35	0.02	8.2	75	18	3.10	0.72	21	1.10	700	1.0	0.048
15699	MR1-12-226	207.00	209.00	5c	<0.1	1.80	<0.5	130	0.30	<0.09	0.42	0.05	7.3	75	31	3.40	1.00	19	0.95	660	0.8	0.048
15700	MR1-12-226	209.00	211.00	5c	<0.1	2.00	<0.5	230	0.18	<0.09	0.29	0.04	8.2	60	56	3.50	1.50	20	0.94	550	2.6	0.067
15837	MR1-12-226	211.00	213.00	5c	<0.1	1.90	<0.5	130	0.24	<0.09	1.10	<0.02	7.8	22	15	3.20	1.30	26	1.30	650	0.8	0.019
15838	MR1-12-226	213.00	215.30	5c	<0.1	1.50	0.6	130	0.15	<0.09	0.35	<0.02	7.2	27	15	3.00	1.10	20	0.86	330	0.6	0.021
15839	MR1-12-226	215.30	217.50	5c	<0.1	1.90	0.6	250	0.16	<0.09	0.38	<0.02	8.8	24	15	3.40	1.40	24	1.10	480	0.9	0.031
15840	MR1-12-226	217.50	219.89	5c	<0.1	1.90	0.5	190	0.15	<0.09	0.48	<0.02	8.9	22	18	3.20	1.40	23	1.00	450	0.6	0.028
15841	MR1-12-226	219.89	222.28	5c	<0.1	1.40	<0.5	72	0.12	<0.09	0.14	<0.02	8.4	20	1.6	2.20	1.10	21	0.90	420	0.5	0.022
15842	MR1-12-226	222.28	224.00	5c	<0.1	1.60	<0.5	190	0.12	<0.09	0.26	<0.02	7.6	24	9.7	3.10	1.30	21	0.86	370	0.5	0.024
15843	MR1-12-226	224.00	226.00	5c	<0.1	2.10	<0.5	220	0.28	0.10	0.23	<0.02	10	22	44	3.70	1.50	26	1.30	470	0.5	0.020
15844	MR1-12-226	226.00	228.30	5c	<0.1	2.20	<0.5	370	0.32	0.15	0.32	0.03	9.2	23	33	3.30	1.50	30	1.30	470	0.5	0.038
15845	MR1-12-226	228.30	230.30	3	<0.1	3.20	<0.5	140	0.57	0.20	0.51	<0.02	22	74	61	4.60	1.10	58	3.70	460	0.4	0.029
15846	MR1-12-226	230.30	232.30	3	<0.1	3.30	0.6	380	0.60	0.47	0.49	0.78	20	75	140	4.50	1.50	43	3.00	360	7.9	0.054
15847	MR1-12-226	232.30	234.30	3	<0.1	2.30	<0.5	55	0.22	0.30	1.10	0.09	20	160	130	2.00	0.47	35	1.90	92	0.2	0.082
15848	MR1-12-226	234.30	236.35	3	<0.1	3.60	<0.5	180	0.24	0.63	1.00	0.10	25	170	99	3.70	1.10	44	3.50	280	0.4	0.053
15849	MR1-12-226	236.35	237.57	3	<0.1	3.30	<0.5	350	0.54	2.3	0.67	0.06	16	33	75	4.00	2.00	46	2.60	830	0.6	0.065
15850	MR1-12-226	237.57	240.40	3	<0.1	2.50	<0.5	100	0.32	2.6	1.20	0.17	11	22	56	3.40	1.80	27	1.70	800	1.5	0.055
15851	MR1-12-226	240.40	242.40	3	<0.1	3.20	<0.5	74	0.51	0.45	1.60	0.10	15	26	47	3.40	1.90	25	1.80	850	0.7	0.110
15852	MR1-12-226	242.40	244.40	3	<0.1	3.50	<0.5	150	0.51	2.3	1.90	0.15	13	24	46	3.90	2.00	29	2.10	920	1.0	0.051
15853	MR1-12-226	244.40	246.40	3	<0.1	3.10	<0.5	55	0.46	2.1	0.78	0.06	16	20	21	3.50	1.80	37	2.40	710	0.5	0.051
15854	MR1-12-226	246.40	248.40	3	<0.1	3.50	<0.5	95	0.56	0.42	1.00	0.07	14	22	30	3.90	2.20	35	2.30	860	0.4	0.061
15855	MR1-12-226	248.40	250.40	3	<0.1	2.90	<0.5	130	0.63	0.46	1.10	0.10	10	22	60	3.60	1.30	44	2.60	90		

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15869	MR1-12-226	275.10	277.14	4bc	<0.1	0.71	0.5	25	1.1	4.8	0.06	0.05	3.1	59	8.9	0.92	0.35	15	0.72	140	0.6	0.015
15870	MR1-12-226	277.14	278.90	4bc	<0.1	3.60	<0.5	66	0.47	0.19	0.59	<0.02	29	65	79	5.20	1.30	52	4.40	270	0.6	0.034
15871	MR1-12-226	278.90	281.45	4bc	<0.1	0.57	<0.5	47	1.9	0.10	0.16	0.07	2.2	31	30	0.80	0.28	9	0.46	140	0.8	0.022
15872	MR1-12-226	281.45	283.65	4bc	<0.1	1.90	<0.5	130	0.32	<0.09	0.26	0.61	9.1	27	11	2.40	1.30	29	1.50	440	0.3	0.037
15873	MR1-12-226	283.65	285.85	4bc	<0.1	2.50	<0.5	120	0.41	<0.09	0.77	<0.02	8.7	17	2.0	2.90	1.60	31	1.50	560	0.3	0.063
15874	MR1-12-226	285.85	287.50	4bc	<0.1	2.20	<0.5	76	0.38	<0.09	0.59	0.02	8.7	16	13	2.80	1.40	29	1.40	580	0.3	0.053
15875	MR1-12-226	287.50	289.14	4bc	<0.1	2.10	<0.5	93	0.33	0.16	0.54	0.15	7.1	22	30	3.00	1.40	27	1.50	660	0.7	0.045

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Ti µg/g	U µg/g	V µg/g	Zn µg/g
4905	MR1-12-222	134.2	136.2	4acb	94	5.9	0.007	<0.8	<0.7	1.5	5.9	0.069	0.22	0.25	130	45
4906	MR1-12-222	136.2	138.2	4acb	98	4.2	0.006	<0.8	<0.7	1.0	3.5	0.016	0.03	0.31	110	70
4907	MR1-12-222	138.2	140.2	4acb	150	3.0	0.004	<0.8	<0.7	1.0	4.1	0.056	0.10	0.19	110	64
4908	MR1-12-222	140.2	142.2	4acb	170	6.6	0.004	<0.8	<0.7	1.2	6.9	0.093	0.35	0.26	130	45
4909	MR1-12-222	142.2	144.2	4acb	150	3.8	0.003	<0.8	<0.7	1.0	6.8	0.082	0.22	0.26	120	48
4910	MR1-12-222	144.2	146.4	4acb	230	0.88	0.008	<0.8	<0.7	<0.5	4.7	0.029	<0.02	0.47	120	69
4911	MR1-12-222	146.4	148.4	4a	430	2.8	0.031	<0.8	<0.7	1.1	5.5	0.063	0.17	1.6	89	69
4912	MR1-12-222	148.4	150.4	4a	370	12	0.740	<0.8	1.8	2.7	12	0.088	0.57	0.90	92	66
4913	MR1-12-222	150.4	152.4	4a	190	15	0.590	<0.8	3.4	5.7	4.8	0.074	0.65	0.89	78	150
4914	MR1-12-222	152.4	154.4	4a	140	18	1.640	<0.8	5.1	6.7	6.2	0.062	0.38	0.43	81	110
4915	MR1-12-222	154.4	156.4	4a	130	8.5	0.540	<0.8	<0.7	1.9	4.4	0.140	0.72	0.48	120	43
4916	MR1-12-222	156.4	158.4	4a	88	2.1	0.054	<0.8	<0.7	1.2	3.3	0.110	0.57	0.71	85	34
4917	MR1-12-222	158.4	160.4	4a	57	1.6	0.008	<0.8	<0.7	1.6	4.7	0.110	0.44	0.77	84	42
4918	MR1-12-222	160.4	162.4	4a	54	2.0	0.018	<0.8	<0.7	1.6	4.1	0.120	0.43	0.67	79	40
4919	MR1-12-222	162.4	164.4	4a	63	1.5	0.990	<0.8	<0.7	1.0	5.4	0.058	0.09	0.17	110	54
4920	MR1-12-222	164.4	166.2	4a	28	5.2	1.300	<0.8	<0.7	1.6	3.5	0.230	0.34	0.33	74	64
4921	MR1-12-222	166.2	168.0	4a	34	2.7	0.660	<0.8	<0.7	1.4	5.3	0.160	0.22	0.11	120	51
4922	MR1-12-222	168.0	169.8	4a	240	4.3	0.320	<0.8	<0.7	1.2	4.7	0.110	0.23	0.19	98	27
4923	MR1-12-222	169.8	171.6	4a	46	2.4	0.011	<0.8	<0.7	2.3	4.6	0.080	0.17	1.8	8	39
4924	MR1-12-222	171.6	173.3	4a	34	3.0	0.013	<0.8	1.0	3.1	6.5	0.047	0.12	2.2	5	32
4925	MR1-12-222	173.3	175.3	9a	10	1.5	0.320	<0.8	0.9	<0.5	2.0	0.001	<0.02	0.043	<1	2.2
4926	MR1-12-222	175.3	177.3	9a	11	1.9	0.350	<0.8	<0.7	<0.5	1.7	0.000	<0.02	0.008	<1	2.1
4927	MR1-12-222	177.3	179.3	9a	11	1.3	0.360	<0.8	<0.7	<0.5	2.1	0.000	<0.02	0.005	<1	2.4
4928	MR1-12-222	179.3	181.3	9a	7.3	1.2	0.280	<0.8	<0.7	<0.5	3.2	0.000	<0.02	0.008	2	2.4
4929	MR1-12-222	181.3	183.3	9d	5.1	3.5	1.600	<0.8	1.5	<0.5	14	0.002	0.03	0.042	4	4.8
4930	MR1-12-222	183.3	185.3	9d	6.1	3.7	2.000	<0.8	2.8	<0.5	9.4	0.001	0.05	0.045	3	5.9
4931	MR1-12-222	185.3	187.3	9d	8.6	5.2	3.500	<0.8	2.8	<0.5	13	0.002	0.09	0.032	4	6.9
4932	MR1-12-222	187.3	189.3	9d	6.1	4.7	1.600	<0.8	1.5	<0.5	18	0.002	0.03	0.020	5	7.1
4933	MR1-12-222	189.3	191.3	9d	4.3	5.2	1.100	<0.8	1.0	<0.5	8.6	0.002	<0.02	0.016	3	4.7
4934	MR1-12-222	191.3	193.3	9d	9.1	34	1.800	<0.8	1.9	<0.5	8.8	0.005	0.05	0.041	11	5.8
4935	MR1-12-222	193.3	194.7	9d	8.9	5.3	1.300	<0.8	1.2	<0.5	15	0.004	0.04	0.11	11	10
4936	MR1-12-222	194.7	196.3	9d	97	1.4	0.230	<0.8	<0.7	<0.5	15	0.130	0.02	0.42	92	58
4937	MR1-12-222	196.3	198.3	9d	4.8	2.4	0.180	<0.8	<0.7	<0.5	8.8	0.003	<0.02	0.032	4	13
4938	MR1-12-222	198.3	200.3	4ac	58	4.4	0.800	<0.8	1.1	<0.5	13	0.058	<0.02	0.55	50	38
4939	MR1-12-222	200.3	202.3	4ac	85	3.2	0.310	<0.8	<0.7	1.0	9.5	0.079	0.04	0.73	67	38
4940	MR1-12-222	202.3	204.3	4ac	170	3.7	0.024	<0.8	<0.7	1.1	8.3	0.120	0.12	1.3	100	54
4941	MR1-12-222	204.3	206.3	4ac	250	2.3	0.014	<0.8	<0.7	1.2	8.8	0.140	0.19	1.3	100	55
4942	MR1-12-222	206.3	208.1	4ac	160	2.8	0.059	<0.8	<0.7	1.1	8.4	0.110	0.17	1.3	100	54
4957	MR1-12-222	236.8	238.8	4acb	170	2.4	0.033	<0.8	<0.7	1.2	16	0.160	0.09	1.4	100	55
4958	MR1-12-222	238.8	240.8	4acb	200	2.5	0.013	<0.8	<0.7	1.2	13	0.170	0.12	1.3	110	60
4959	MR1-12-222	240.8	242.8	4acb	210	3.7	0.089	<0.8	<0.7	1.3	16	0.110	0.07	1.1	110	50
4960	MR1-12-222	242.8	244.8	4acb	190	2.3	0.067	<0.8	<0.7	1.3	14	0.097	0.07	1.1	110	51
4961	MR1-12-222	244.8	246.8	4acb	210	4.4	0.043	<0.8	<0.7	1.2	15	0.110	0.10	1.2	100	52
4962	MR1-12-222	246.8	248.8	4acb	190	3.5	0.021	<0.8	<0.7	1.1	13	0.140	0.10	1.4	99	54
4963	MR1-12-222	248.8	250.8	4acb	230	1.9	0.018	<0.8	<0.7	1.3	14	0.120	<0.02	1.4	99	56
4964	MR1-12-222	250.8	252.8	4acb	190	3.2	0.005	<0.8	<0.7	1.1	19	0.092	0.09	1.4	100	57
4965	MR1-12-222	252.8	254.8	4acb	140	3.9	0.250	<0.8	0.9	1.2	23	0.066	0.07	1.4	94	51
4966	MR1-12-222	254.8	256.8	4acb	210	4.1	0.051	<0.8	<0.7	1.4	15	0.150	0.04	1.2	110	63
4967	MR1-12-222	256.8	258.8	4acb	190	4.9	0.057	<0.8	<0.7	1.2	14	0.180	0.22	1.2	110	53
4968	MR1-12-222	258.8	260.2	4acb	160	2.5	0.005	<0.8	<0.7	1.0	15	0.160	0.08	1.5	110	65
4995	MR1-12-223	20.96	22.60	5c	22	3.7	0.005	<0.8	<0.7	0.6	1.7	0.085	0.33	3.4	21	30
4996	MR1-12-223	22.60	24.60	5c	18	2.2	0.007	<0.8	<0.7	0.5	1.8	0.071	0.29	2.6	16	23
4997	MR1-12-223	24.60	26.50	5c	16	2.1	0.002	<0.8	<0.7	<0.5	1.5	0.061	0.28	2.7	10	21
4998	MR1-12-223	26.50	28.30	5c	30	3.1	0.022	<0.8	<0.7	0.5	1.8	0.099	0.36	1.8	17	25
4999	MR1-12-223	28.30	30.05	5c	25	5.7	0.200	<0.8	<0.7	<0.5	1.8	0.110	0.42	2.9	22	24
5000	MR1-12-223	30.05	32.45	4a	70	2.9	0.100	<0.8	<0.7	1.3	3.6	0.083	0.28	3.0	52	48
15401	MR1-12-223	32.45	34.85	4a	58	3.7	0.090	<0.8	<0.7	1.1	2.9	0.071	0.15	4.1	36	30
15402	MR1-12-223	34.85	36.65	5c	21	3.9	0.160	<0.8	0.8	0.5	2.8	0.092	0.27	2.9	21	24
15403	MR1-12-223	36.65	38.40	5c	13	3.3	0.120	<0.8	<0.7	0.6	3.2	0.100	0.32	4.1	17	27
15404	MR1-12-223	38.40	40.10	5c	23	1.7	0.056	<0.8	<0.7	<0.5	2.3	0.099	0.33	2.6	28	24
15405	MR1-12-223	40.10	42.10	4ab	39	2.1	0.010	<0.8	<0.7	1.2	2.9	0.096	0.22	4.8	39	36
15406	MR1-12-223	42.10	44.10	4ab	40	2.1	0.057	<0.8	<0.7	1.0	2.8	0.078	0.09	5.1	24	37
15407	MR1-12-223	44.10	46.10	4ab	47	1.6	0.040	<0.8	<0.7	1.0	2.3	0.050	0.03	7.4	15	35
15408	MR1-12-223	46.10	48.10	4ab	38	3.9	0.170	<0.8	<0.7	1.1	2.6	0.083	0.07	7.5	18	37
15409	MR1-12-223	48.10	50.10	4ab	36	5.2	0.190	<0.8	<0.7	2.0	3.1	0.053	0.04	11	17	36
15410	MR1-12-223	50.10	52.10	4ab	29	4.3	0.056	<0.8	<0.7	0.7	3.2	0.027	0.05	10	7	28
15411	MR1-12-223	52.10	54.10	4ab	22	3.5	0.110	<0.8	<0.7	0.5	3.6	0.032	0.06	8.8	5	30
15412	MR1-12-223	54.10	56.10	4ab	22	4.4	0.110	<0.8	<0.7	0.8	3.2	0.054	0.06	6.4	9	28

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15413	MR1-12-223	56.10	58.00	4ab	30	7.1	0.390	<0.8	<0.7	1.5	4.4	0.100	0.15	8.5	37	35
15414	MR1-12-223	58.00	59.70	4ab	39	6.1	0.280	<0.8	<0.7	1.8	4.2	0.084	0.12	4.3	35	28
15415	MR1-12-223	59.70	61.70	4d	8.8	13	0.210	<0.8	<0.7	1.9	5.2	0.230	0.94	7.1	36	15
15416	MR1-12-223	61.70	63.70	4d	5.4	11	0.018	<0.8	<0.7	2.4	7.1	0.220	0.79	9.6	42	36
15417	MR1-12-223	63.70	65.40	4d	33	16	0.940	<0.8	<0.7	2.0	16	0.220	0.93	5.3	120	36
15418	MR1-12-223	65.40	67.18	4d	40	9.2	0.360	<0.8	<0.7	1.5	7.2	0.140	0.49	5.5	120	32
15419	MR1-12-223	67.18	69.28	5c	31	2.7	0.018	<0.8	<0.7	2.6	2.7	0.099	0.29	3.4	32	31
15420	MR1-12-223	69.28	71.42	5c	29	3.4	0.012	<0.8	<0.7	1.5	2.5	0.130	0.50	4.1	42	40
15421	MR1-12-223	71.42	73.40	4b	29	1.9	0.043	<0.8	<0.7	1.0	1.7	0.091	0.29	4.0	40	31
15422	MR1-12-223	73.40	75.40	4b	8.2	2.7	0.140	<0.8	0.8	<0.5	1.8	0.079	0.37	3.7	13	22
15423	MR1-12-223	75.40	77.40	4b	6.9	5.4	0.190	<0.8	<0.7	<0.5	1.7	0.096	0.60	3.5	10	21
15424	MR1-12-223	77.40	79.40	4b	27	2.8	0.110	<0.8	<0.7	<0.5	1.6	0.099	0.53	2.8	20	25
15425	MR1-12-223	79.40	81.40	4b	38	2.7	0.077	<0.8	<0.7	<0.5	2.0	0.110	0.60	2.0	25	28
15426	MR1-12-223	81.40	83.40	4b	31	2.5	0.044	<0.8	<0.7	<0.5	3.1	0.110	0.65	1.8	23	26
15427	MR1-12-223	83.40	85.40	4b	26	2.5	0.013	<0.8	<0.7	<0.5	1.8	0.085	0.51	3.4	16	22
15428	MR1-12-223	85.40	87.40	4b	37	1.7	0.008	<0.8	<0.7	<0.5	2.3	0.110	0.76	1.1	32	35
15429	MR1-12-223	87.40	89.20	4b	40	1.9	0.010	<0.8	<0.7	<0.5	4.8	0.092	0.81	2.0	32	36
15430	MR1-12-223	89.20	91.00	4b	50	1.7	0.015	<0.8	<0.7	<0.5	3.5	0.076	0.62	1.8	27	27
15431	MR1-12-223	91.00	92.90	4b	36	1.8	0.012	<0.8	<0.7	<0.5	2.2	0.099	0.59	2.1	26	25
15432	MR1-12-223	92.90	94.60	4b	30	4.4	0.240	<0.8	<0.7	<0.5	2.2	0.100	0.64	2.1	21	29
15433	MR1-12-223	94.60	96.60	5c	10	5.8	0.170	<0.8	<0.7	<0.5	1.9	0.094	0.53	2.9	7	30
15434	MR1-12-223	96.60	98.60	5c	6.7	6.6	0.083	<0.8	0.8	<0.5	1.1	0.073	0.34	3.9	3	28
15435	MR1-12-223	98.60	100.60	5c	6.9	5.6	0.069	<0.8	<0.7	<0.5	1.6	0.064	0.30	4.0	2	24
15436	MR1-12-223	100.60	102.60	5c	6.8	2.0	0.017	<0.8	<0.7	<0.5	2.2	0.034	0.13	2.8	1	15
15437	MR1-12-223	102.60	104.60	5c	5.6	1.5	0.028	<0.8	<0.7	<0.5	2.1	0.020	0.05	3.4	<1	12
15438	MR1-12-223	104.60	106.60	5c	3.2	1.7	0.006	<0.8	<0.7	53	2.2	0.026	0.07	2.5	1	19
15439	MR1-12-223	106.60	108.40	5c	6.6	1.9	0.012	<0.8	<0.7	<0.5	1.9	0.040	0.13	3.4	2	21
15440	MR1-12-223	108.40	110.20	5c	13	8.4	0.270	<0.8	<0.7	<0.5	7.1	0.110	0.40	3.2	6	27
15441	MR1-12-223	110.20	112.05	5c	6.9	8.5	0.240	<0.8	<0.7	<0.5	1.4	0.066	0.26	1.7	3	26
15442	MR1-12-223	112.05	114.10	5c	8.0	3.0	0.038	<0.8	<0.7	12	1.4	0.055	0.24	3.2	9	19
15443	MR1-12-223	114.10	116.10	5c	6.1	9.1	0.350	<0.8	<0.7	0.8	2.3	0.190	0.74	3.4	17	47
15444	MR1-12-223	116.10	118.10	5c	26	8.8	0.098	<0.8	<0.7	<0.5	2.5	0.110	0.33	3.7	13	50
15445	MR1-12-223	118.10	120.10	5c	4.4	5.4	0.008	<0.8	<0.7	3.6	3.9	0.100	0.29	5.9	10	57
15446	MR1-12-223	120.10	122.10	5c	3.0	22	0.190	<0.8	<0.7	3.3	4.8	0.150	0.34	4.2	9	110
15447	MR1-12-223	122.10	124.10	5c	3.7	9.2	0.021	<0.8	<0.7	1.3	4.9	0.150	0.27	3.7	10	60
15448	MR1-12-223	124.10	126.20	5c	5.3	6.6	0.260	<0.8	<0.7	<0.5	3.5	0.160	0.55	4.8	11	45
15449	MR1-12-223	126.20	128.30	5c	4.6	9.5	0.120	<0.8	1.0	1.7	3.5	0.260	0.87	6.1	22	57
15450	MR1-12-223	128.30	130.40	5c	5.8	26	0.250	<0.8	<0.700	1.0	2.9	0.250	0.90	4.9	27	62
15451	MR1-12-223	130.40	132.46	5c	6.3	28	0.140	<0.8	<0.700	3.9	3.6	0.240	0.69	4.8	28	280
15452	MR1-12-223	132.46	134.20	4d	44	80	1.200	<0.8	<0.700	3.7	6.7	0.250	1.1	5.8	130	170
15453	MR1-12-223	134.20	136.00	4d	49	130	0.690	<0.8	<0.700	3.8	10	0.220	1.7	9.8	83	250
15454	MR1-12-223	136.00	137.76	4d	99	28	0.130	<0.8	<0.700	2.4	6.9	0.260	1.2	2.2	95	81
15455	MR1-12-223	137.76	139.70	4b	20	59	0.430	<0.8	<0.700	1.2	5.4	0.190	1.1	5.7	36	72
15456	MR1-12-223	139.70	141.60	4b	25	16	0.014	<0.8	<0.700	<0.5	7.1	0.150	0.58	4.9	23	40
15457	MR1-12-223	141.60	143.50	4b	21	18	0.007	<0.8	<0.700	<0.5	9.4	0.150	0.61	5.1	22	42
15458	MR1-12-223	143.50	145.40	4b	35	280	0.340	<0.8	<0.700	0.7	5.6	0.210	1.0	2.9	36	92
15459	MR1-12-223	145.40	147.30	4b	27	40	0.015	<0.8	<0.700	1.0	4.0	0.110	0.88	17	23	75
15460	MR1-12-223	147.30	149.20	4b	12	22	0.021	<0.8	<0.700	1.1	4.1	0.054	0.84	17	5	74
15461	MR1-12-223	149.20	151.00	4b	15	74	0.150	<0.8	<0.700	2.2	5.1	0.073	0.54	9.5	18	89
15462	MR1-12-223	151.00	153.00	4b	25	97	0.060	<0.8	<0.700	1.9	4.9	0.140	0.54	9.5	26	77
15463	MR1-12-223	153.00	155.00	4b	46	76	0.150	<0.8	<0.700	1.2	5.8	0.220	0.70	3.3	61	78
15464	MR1-12-223	155.00	157.00	4b	32	31	0.041	<0.8	<0.700	1.0	4.3	0.150	0.67	9.1	22	52
15465	MR1-12-223	157.00	159.00	4b	20	280	0.770	<0.8	<0.700	1.6	5.6	0.300	1.4	10	57	180
15466	MR1-12-223	159.00	161.00	4b	52	56	0.017	<0.8	<0.700	1.1	3.6	0.150	0.73	11	20	64
15467	MR1-12-223	161.00	163.00	4b	4.6	310	0.049	<0.8	<0.700	<0.5	3.2	0.023	0.24	9.3	1	26
15468	MR1-12-223	163.00	165.00	4b	7.3	80	0.009	<0.8	0.9	0.9	4.4	0.039	0.67	14	2	53
15469	MR1-12-223	165.00	167.00	4b	9.7	49	0.006	<0.8	<0.7	0.8	2.5	0.055	0.66	14	3	58
15470	MR1-12-223	167.00	169.00	4b	9.4	100	0.005	<0.8	<0.7	1.2	3.6	0.050	0.88	14	4	76
15471	MR1-12-223	169.00	170.80	4b	8.7	140	0.006	<0.8	<0.7	1.0	1.4	0.055	0.67	15	3	69
15472	MR1-12-223	170.80	172.90	4b	44	23	0.015	<0.8	<0.7	2.0	9.0	0.094	1.1	14	17	70
15473	MR1-12-223	172.90	175.00	4b	38	270	0.160	<0.8	<0.7	1.4	6.9	0.150	0.77	5.5	160	74
4988	MR1-12-223a	9.30	11.40	4ab	130	2.0	0.014	<0.8	<0.7	0.5	6.4	0.013	<0.02	1.4	60	34
4989	MR1-12-223a	11.40	13.50	4ab	110	1.9	0.013	<0.8	<0.7	<0.5	5.8	0.011	<0.02	1.4	61	35
4990	MR1-12-223a	13.50	15.60	4ab	120	5.9	0.022	<0.8	0.8	<0.5	6.1	0.020	<0.02	2.8	79	40
4991	MR1-12-223a	15.60	17.70	4ab	150	2.9	0.021	<0.8	<0.7	2.2	5.6	0.120	0.25	3.1	110	54
4992	MR1-12-223a	17.70	19.90	4ab	68	2.7	0.006	<0.8	<0.7	1.4	2.6	0.049	0.16	7.8	24	47
4993	MR1-12-223a	19.90	21.40	5c	22	3.0	0.005	<0.800	<0.700	0.5	1.8	0.077	0.29	3.1	19	33
4994	MR1-12-223a	21.40	23.00	5c	21	3.6	0.037	<0.8	0.7	0.6	1.5	0.089	0.39	2.7	18	31
15479	MR1-12-224	21.23	23.40	4ca	100	2.5	0.014	<0.8	<0.7	0.6	3.0	0.038	0.03	5.8	62	110

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15480	MR1-12-224	23.40	25.50	4ca	97	8.8	0.018	<0.8	<0.7	1.4	3.6	0.180	0.63	4.0	70	41
15481	MR1-12-224	25.50	27.50	5a	96	7.4	0.005	<0.8	<0.7	1.6	4.8	0.160	0.59	3.4	62	51
15482	MR1-12-224	27.50	29.50	5a	68	10	0.017	<0.8	<0.7	1.3	2.6	0.120	0.55	4.9	23	26
15483	MR1-12-224	29.50	31.30	5a	13	7.7	0.020	<0.8	<0.7	1.4	3.1	0.160	0.46	4.1	21	17
15484	MR1-12-224	31.30	33.10	5a	14	5.1	0.016	<0.8	<0.7	1.2	2.6	0.098	0.39	6.8	12	3.9
15485	MR1-12-224	33.10	34.90	5a	9.2	5.1	0.003	<0.8	<0.7	0.7	2.6	0.038	0.22	8.4	2	4.6
15486	MR1-12-224	34.90	36.70	5a	8.3	4.5	0.014	<0.8	<0.7	0.9	3.0	0.085	0.27	3.6	11	14
15487	MR1-12-224	36.70	38.77	5a	8.3	4.2	0.004	<0.8	<0.7	1.2	4.3	0.140	0.28	2.9	28	30
15488	MR1-12-224	38.77	40.77	5c	15	3.0	0.002	<0.8	<0.7	<0.5	3.3	0.086	0.28	1.2	20	15
15489	MR1-12-224	40.77	42.77	5c	8.2	3.3	0.004	<0.8	<0.7	0.8	6.3	0.130	0.41	2.3	21	40
15490	MR1-12-224	42.77	44.77	5c	8.4	4.7	0.003	<0.8	<0.7	<0.5	3.3	0.054	0.35	3.3	5	20
15491	MR1-12-224	44.77	46.77	5c	18	3.3	0.002	<0.8	<0.7	0.8	3.2	0.100	0.35	2.0	21	31
15492	MR1-12-224	46.77	48.77	5c	19	3.8	0.007	<0.8	<0.7	1.1	5.1	0.170	0.53	1.2	45	31
15493	MR1-12-224	48.77	50.77	5c	26	2.3	0.007	<0.8	<0.7	0.8	4.1	0.160	0.45	0.75	51	40
15494	MR1-12-224	50.77	52.77	5c	30	2.1	0.009	<0.8	<0.7	0.7	4.0	0.120	0.34	1.0	45	37
15495	MR1-12-224	52.77	54.77	5c	31	1.7	0.015	<0.8	<0.7	0.6	4.1	0.079	0.27	1.1	37	49
15496	MR1-12-224	54.77	56.77	5c	17	2.4	0.032	<0.8	<0.7	1.2	7.2	0.150	0.39	2.3	37	46
15497	MR1-12-224	56.77	58.67	5c	26	1.9	0.007	<0.8	<0.7	0.7	4.9	0.150	0.34	1.9	36	48
15498	MR1-12-224	58.67	60.57	5c	11	3.4	0.045	<0.8	<0.7	1.1	6.9	0.190	0.31	3.3	27	45
15499	MR1-12-224	60.57	62.50	5c	12	1.7	0.009	<0.8	<0.7	<0.5	7.7	0.220	0.29	0.96	50	39
15500	MR1-12-224	62.50	64.20	5a	7.1	3.1	0.020	<0.8	<0.7	1.3	11	0.230	0.26	2.6	29	39
15501	MR1-12-224	64.20	65.90	5a	7.1	4.6	0.015	<0.8	<0.7	1.5	11	0.220	0.28	3.9	28	38
15502	MR1-12-224	65.90	67.60	5a	7.7	5.7	0.120	<0.8	<0.7	1.3	11	0.220	0.29	3.2	30	39
15503	MR1-12-224	67.60	69.31	5a	7.9	4.9	0.012	<0.8	<0.7	1.4	11	0.260	0.35	1.9	34	42
15504	MR1-12-224	69.31	71.31	4cb	26	3.4	0.007	<0.8	<0.7	1.1	8.1	0.160	0.31	2.5	35	35
15505	MR1-12-224	71.31	73.31	4cb	32	1.8	0.045	<0.8	<0.7	1.4	14	0.240	0.49	1.6	62	53
15506	MR1-12-224	73.31	75.11	4cb	33	2.2	0.010	<0.8	<0.7	1.2	8.4	0.220	0.47	1.5	55	48
15507	MR1-12-224	75.11	76.91	4cb	28	2.6	0.008	<0.8	<0.7	1.5	6.7	0.220	0.40	1.4	46	45
15508	MR1-12-224	76.91	78.70	4cb	11	5.9	0.019	<0.8	<0.7	1.4	12	0.180	0.27	3.3	30	38
15509	MR1-12-224	78.70	80.40	5a	8.1	2.6	0.058	<0.8	<0.7	1.1	4.9	0.270	0.38	1.7	33	43
15510	MR1-12-224	80.40	82.10	5a	7.2	3.1	0.045	<0.8	<0.7	3.5	6.0	0.270	0.34	1.7	35	42
15511	MR1-12-224	82.10	83.45	5a	24	3.7	0.300	<0.8	<0.7	2.8	5.0	0.280	0.50	4.2	61	58
15512	MR1-12-224	83.45	85.45	5a	46	2.5	0.060	<0.8	<0.7	1.3	5.6	0.310	0.51	2.2	99	67
15513	MR1-12-224	85.45	87.45	5a	22	4.1	0.049	<0.8	<0.7	2.0	6.8	0.230	0.33	2.9	63	43
15514	MR1-12-224	87.45	89.25	5ab	21	1.2	0.010	<0.8	<0.7	3.7	3.5	0.220	0.34	0.95	43	44
15515	MR1-12-224	89.25	90.95	5ab	20	1.6	0.019	<0.8	<0.7	4.7	11	0.210	0.38	2.0	52	53
15516	MR1-12-224	90.95	92.79	5ab	35	2.3	0.014	<0.8	<0.7	3.6	10	0.260	0.62	3.1	64	53
15517	MR1-12-224	92.79	94.79	4acb	54	4.3	0.042	<0.8	<0.7	0.5	29	0.240	0.81	2.6	61	54
15518	MR1-12-224	94.79	96.49	4acb	51	3.0	0.044	<0.8	<0.7	<0.5	27	0.190	0.59	2.4	47	33
15519	MR1-12-224	96.49	98.19	4acb	25	5.4	0.089	<0.8	<0.7	2.0	9.7	0.230	0.39	2.5	50	40
15520	MR1-12-224	98.19	99.89	4acb	64	3.9	0.013	<0.8	<0.7	1.7	9.3	0.210	0.25	1.7	52	65
15521	MR1-12-224	99.89	101.59	4acb	160	197	0.056	<0.8	<0.7	<0.5	43	0.250	0.34	3.5	50	80
15522	MR1-12-224	101.59	103.41	4acb	290	20	0.096	<0.8	<0.7	0.7	35	0.270	0.54	3.5	55	80
15523	MR1-12-224	103.41	105.41	5a	6.2	11	0.074	<0.8	<0.7	0.7	33	0.140	0.33	4.0	13	32
15524	MR1-12-224	105.41	107.41	5a	10	6.0	0.110	<0.8	<0.7	1.1	14	0.200	0.44	3.2	32	30
15525	MR1-12-224	107.41	109.41	5a	13	3.5	0.095	<0.8	<0.7	0.6	10	0.210	0.49	1.2	52	30
15526	MR1-12-224	109.41	111.41	5a	3.0	6.3	0.038	<0.8	<0.7	0.6	14	0.110	0.16	3.8	6	11
15527	MR1-12-224	111.41	113.51	5a	3.8	5.8	0.048	<0.8	<0.7	0.8	14	0.130	0.26	3.4	11	15
15528	MR1-12-224	113.51	115.61	5a	3.5	3.6	0.044	<0.8	<0.7	0.6	15	0.120	0.28	2.4	9	16
15529	MR1-12-224	115.61	117.80	5a	3.9	4.7	0.085	<0.8	<0.7	0.8	16	0.130	0.31	2.9	10	19
15530	MR1-12-224	117.80	119.80	4bc	22	2.8	0.028	<0.8	<0.7	0.8	12	0.190	0.60	1.3	45	37
15531	MR1-12-224	119.80	121.60	4bc	18	3.7	0.015	<0.8	<0.7	1.5	7.8	0.270	0.70	1.8	66	60
15532	MR1-12-224	121.60	123.39	4bc	9.4	2.7	0.014	<0.8	<0.7	0.8	7.9	0.230	0.46	1.1	39	46
15533	MR1-12-224	123.39	125.39	11ab	9.6	7.9	0.017	<0.8	<0.7	1.1	4.9	0.160	0.36	3.6	26	40
15534	MR1-12-224	125.39	127.39	11ab	12	3.2	0.044	<0.8	<0.7	0.6	4.0	0.210	0.48	1.2	37	49
15535	MR1-12-224	127.39	129.39	11ab	5.4	2.9	0.020	<0.8	<0.7	1.2	6.2	0.180	0.41	2.0	22	49
15536	MR1-12-224	129.39	131.39	11ab	8.7	3.4	0.018	<0.8	<0.7	1.5	9.9	0.230	0.49	2.7	47	62
15537	MR1-12-224	131.39	133.39	11ab	10	7.2	0.014	<0.8	<0.7	1.9	7.9	0.210	0.45	8.0	46	49
15538	MR1-12-224	133.39	135.39	11ab	8.7	15	0.032	<0.8	<0.7	3.0	5.7	0.130	0.31	3.9	26	54
15539	MR1-12-224	135.39	137.39	11ab	10	6.5	0.009	<0.8	<0.7	1.3	2.2	0.170	0.33	2.1	33	41
15540	MR1-12-224	137.39	139.39	11ab	13	4.4	0.016	<0.8	<0.7	<0.5	2.0	0.220	0.44	2.7	41	46
15541	MR1-12-224	139.39	141.39	11ab	21	3.3	0.018	<0.8	<0.7	0.8	3.1	0.210	0.42	3.4	53	51
15542	MR1-12-224	141.39	143.09	11ab	17	1.4	0.007	<0.8	<0.7	1.1	2.1	0.160	0.21	1.5	33	44
15543	MR1-12-224	143.09	144.79	11ab	14	2.1	0.004	<0.8	<0.7	0.7	4.4	0.086	0.17	3.2	34	31
15544	MR1-12-224	144.79	146.49	11ab	17	4.4	0.006	<0.8	<0.7	0.9	4.5	0.220	0.42	1.6	48	42
15545	MR1-12-224	146.49	148.19	11ab	12	6.3	0.036	<0.8	<0.7	1.4	7.1	0.220	0.47	2.5	73	49
15546	MR1-12-224	148.19	149.89	11ab	13	3.5	0.059	<0.8	<0.7	1.4	5.7	0.290	0.49	1.5	110	57
15547	MR1-12-224	149.89	151.89	11ab	15	3.4	0.031	<0.8	<0.7	1.9	7.3	0.210	0.37	3.8	64	50
15548	MR1-12-224	151.89	153.89	11ab	50	2.0	0.012	<0.8	<0.7	0.9	5.4	0.180	0.39	1.6	54	60

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15549	MR1-12-224	153.89	155.89	11ab	18	4.7	0.006	<0.8	<0.7	<0.5	6.0	0.140	0.21	1.6	36	45
15550	MR1-12-224	155.89	157.89	11ab	180	2.8	0.045	<0.8	<0.7	<0.5	13	0.170	0.24	1.1	48	46
15551	MR1-12-224	157.89	159.89	11ab	220	3.4	0.046	<0.8	<0.7	1.6	9.9	0.240	0.52	1.3	82	90
15552	MR1-12-224	159.89	161.89	11ab	11	6.3	0.053	<0.8	<0.7	1.2	3.9	0.210	0.37	2.0	64	59
15553	MR1-12-224	161.89	163.69	11ab	11	7.2	0.037	<0.8	<0.7	1.2	16	0.160	0.35	2.1	35	38
15554	MR1-12-224	163.69	165.26	11ab	7.9	5.5	0.006	<0.8	<0.7	3.3	5.0	0.210	0.46	3.1	50	57
15555	MR1-12-224	165.26	166.76	12a	3.8	22	0.017	<0.8	<0.7	1.7	8.1	0.005	0.07	6.4	2	18
15556	MR1-12-224	166.76	168.25	12a	2.8	19	0.022	<0.8	<0.7	1.9	12	0.006	0.06	7.0	3	20
15557	MR1-12-224	168.25	169.03	11ab	6.9	7.8	0.026	<0.8	<0.7	1.0	19	0.100	0.09	2.3	25	42
15558	MR1-12-224	169.03	171.03	5a	12	2.4	0.007	<0.8	<0.7	0.7	5.8	0.140	0.20	1.5	32	37
15559	MR1-12-224	171.03	172.83	5a	16	1.5	0.004	<0.8	<0.7	<0.5	4.4	0.160	0.38	1.1	31	36
15560	MR1-12-224	172.83	174.60	5a	17	5.2	0.026	<0.8	<0.7	1.1	9.9	0.210	0.46	1.5	45	53
15561	MR1-12-224	174.60	176.80	11a	23	10	0.020	<0.8	<0.7	2.0	7.8	0.160	0.47	3.8	30	50
15562	MR1-12-224	176.80	179.14	11a	16	5.4	0.026	<0.8	<0.7	2.5	13	0.190	0.49	3.6	46	52
15563	MR1-12-224	179.14	181.14	11a	12	7.0	0.018	<0.8	<0.7	3.3	7.7	0.310	0.69	3.4	59	70
15564	MR1-12-224	181.14	183.14	11a	9.6	8.4	0.044	<0.8	<0.7	2.9	10	0.250	0.53	5.2	48	53
15565	MR1-12-224	183.14	185.14	11a	10	11	0.061	<0.8	<0.7	3.1	9.4	0.290	0.58	3.8	53	63
15566	MR1-12-224	185.14	187.14	11a	10	20	0.052	<0.8	<0.7	3.7	13	0.250	0.50	4.7	45	62
15567	MR1-12-224	187.14	189.14	11a	9.5	9.8	0.040	<0.8	<0.7	3.0	12	0.270	0.55	4.2	44	63
15568	MR1-12-224	189.14	191.34	11a	10	6.4	0.071	<0.8	<0.7	2.0	7.1	0.240	0.49	5.7	35	49
15569	MR1-12-224	191.34	193.54	11a	13	3.7	0.007	<0.8	<0.7	1.4	5.7	0.230	0.50	1.8	45	53
15570	MR1-12-224	193.54	195.82	11a	18	19	0.007	<0.8	<0.7	0.8	4.5	0.190	0.45	1.4	37	59
15571	MR1-12-224	195.82	197.82	5a	33	400	0.020	<0.8	<0.7	0.9	5.6	0.210	0.51	2.3	48	50
15572	MR1-12-224	197.82	199.82	5a	34	36	0.041	<0.8	<0.7	1.9	9.4	0.280	0.72	2.5	57	70
15573	MR1-12-224	199.82	201.62	5a	11	18	0.075	<0.8	<0.7	1.0	12	0.210	0.59	3.7	66	48
15574	MR1-12-224	201.62	203.54	5a	9.2	4.1	0.069	<0.8	<0.7	1.5	14	0.150	0.44	4.7	49	41
15575	MR1-12-224	203.54	205.54	12a	4.0	10	0.068	<0.8	<0.7	1.3	10	0.023	0.06	7.6	6	21
15576	MR1-12-224	205.54	207.64	12a	3.7	6.5	0.010	<0.8	<0.7	1.1	3.7	0.009	0.03	4.1	3	12
15577	MR1-12-224	207.64	209.70	12a	7.4	3.4	0.004	<0.8	0.8	1.3	3.7	0.047	0.10	5.4	22	19
15578	MR1-12-224	209.70	211.70	4cb	17	1.4	0.017	<0.8	<0.7	1.4	3.6	0.150	0.29	2.0	44	30
15579	MR1-12-224	211.70	213.70	4cb	13	1.1	0.017	<0.8	<0.7	0.7	3.4	0.140	0.25	1.6	46	37
15580	MR1-12-224	213.70	215.62	4cb	26	1.7	0.009	<0.8	<0.7	1.2	4.3	0.098	0.26	4.3	75	41
15581	MR1-12-224	215.62	217.62	12a	3.4	6.9	0.010	<0.8	<0.7	1.0	3.2	0.006	0.03	5.5	2	9.2
15582	MR1-12-224	217.62	219.82	12a	4.4	7.2	0.006	<0.8	<0.7	1.0	3.0	0.006	0.04	5.5	3	10
15583	MR1-12-224	219.82	222.02	12a	3.9	7.8	0.036	<0.8	<0.7	1.5	3.1	0.003	0.04	7.5	<1	10
15584	MR1-12-224	222.02	224.32	12a	4.2	9.6	0.022	<0.8	<0.7	1.7	3.3	0.016	0.11	6.9	5	15
15585	MR1-12-224	224.32	226.32	11ab	15	2.5	0.007	<0.8	<0.7	0.9	5.0	0.180	0.54	4.2	41	30
15586	MR1-12-224	226.32	228.32	11ab	18	7.8	0.011	<0.8	<0.7	1.1	5.0	0.200	0.62	2.1	45	40
15587	MR1-12-224	228.32	229.92	11a	20	1.2	0.004	<0.8	<0.7	0.6	4.1	0.240	0.62	1.2	53	35
15588	MR1-12-224	229.92	231.37	11a	17	1.5	0.007	<0.8	<0.7	1.1	5.7	0.260	0.66	1.8	61	40
15589	MR1-12-224	231.37	232.02	11ab	16	1.8	0.006	<0.8	<0.7	1.9	4.5	0.280	0.69	1.3	64	40
15590	MR1-12-224	232.02	234.02	11b	4.7	6.6	0.029	<0.8	<0.7	1.1	7.6	0.073	0.22	6.1	10	18
15591	MR1-12-224	234.02	236.22	11b	7.2	4.6	0.006	<0.8	<0.7	1.6	6.2	0.130	0.35	5.1	19	28
15592	MR1-12-224	236.22	238.42	11b	19	2.4	0.034	<0.8	<0.7	1.7	5.1	0.140	0.40	4.4	47	34
15593	MR1-12-224	238.42	240.71	11b	29	1.9	0.013	<0.8	<0.7	1.7	6.7	0.100	0.33	3.7	43	56
15594	MR1-12-224	240.71	242.71	5a	50	3.5	0.020	<0.8	<0.7	1.3	8.0	0.200	0.50	3.4	62	69
15595	MR1-12-224	242.71	244.71	5a	11	4.8	0.041	<0.8	<0.7	1.9	5.7	0.260	0.46	2.9	34	60
15596	MR1-12-224	244.71	246.71	5a	15	8.7	0.049	3.3	<0.7	9.6	7.0	0.280	0.50	2.9	34	62
15597	MR1-12-224	246.71	248.55	5a	8.8	9.3	0.016	1.8	<0.7	5.0	9.1	0.190	0.32	4.4	32	35
15598	MR1-12-224	248.55	250.55	11ab	5.0	5.8	0.054	<0.8	<0.7	0.7	24	0.150	0.27	5.7	30	31
15599	MR1-12-224	250.55	252.00	11ab	21	5.3	0.030	<0.8	<0.7	2.1	20	0.230	0.45	2.9	48	63
15701	MR1-12-225	12.30	14.00	5c	240	3.1	0.010	<0.8	<0.7	<0.5	4.0	0.049	0.14	15	48	150
15702	MR1-12-225	14.00	16.00	5c	29	3.2	0.007	<0.8	<0.7	<0.5	3.8	0.067	0.25	2.4	8	27
15703	MR1-12-225	16.00	18.00	5c	11	4.8	0.006	<0.8	<0.7	<0.5	3.3	0.052	0.18	1.3	7	22
15704	MR1-12-225	18.00	20.00	5c	26	4.1	0.006	<0.8	<0.7	<0.5	3.5	0.045	0.14	1.5	10	27
15705	MR1-12-225	20.00	22.00	5c	13	2.7	0.006	<0.8	<0.7	<0.5	3.2	0.046	0.14	1.4	9	26
15706	MR1-12-225	22.00	24.00	5c	48	2.9	0.006	<0.8	<0.7	<0.5	3.2	0.081	0.29	1.5	26	38
15707	MR1-12-225	24.00	26.00	5c	20	2.9	0.005	<0.8	<0.7	<0.5	4.4	0.035	0.12	1.6	21	20
15708	MR1-12-225	26.00	28.00	5c	11	3.5	0.006	<0.8	<0.7	<0.5	3.8	0.039	0.14	2.1	7	20
15709	MR1-12-225	28.00	30.00	5c	8.1	3.3	0.005	<0.8	<0.7	<0.5	2.6	0.110	0.45	1.8	10	26
15710	MR1-12-225	30.00	32.00	5c	7.9	2.8	0.008	<0.8	<0.7	<0.5	3.4	0.110	0.42	1.7	9	17
15711	MR1-12-225	32.00	34.00	5c	19	2.1	0.004	<0.8	<0.7	<0.5	3.0	0.049	0.22	1.6	10	14
15712	MR1-12-225	34.00	36.00	5c	15	1.8	0.007	<0.8	<0.7	<0.5	4.6	0.066	0.27	1.9	12	24
15713	MR1-12-225	36.00	38.00	5c	25	2.1	0.006	<0.8	<0.7	<0.5	2.6	0.120	0.49	1.3	34	18
15714	MR1-12-225	38.00	40.00	5c	11	2.1	0.006	<0.8	<0.7	<0.5	2.7	0.120	0.56	1.1	13	26
15715	MR1-12-225	40.00	42.00	5c	5.9	2.2	0.005	<0.8	<0.7	<0.5	2.8	0.086	0.37	1.9	6	23
15716	MR1-12-225	42.00	44.00	5c	6.3	2.7	0.008	<0.8	<0.7	1.0	6.4	0.120	0.52	1.9	10	37
15717	MR1-12-225	44.00	45.70	5c	5.4	4.8	0.016	<0.8	<0.7	1.6	9.8	0.150	0.51	2.5	12	74
15718	MR1-12-225	45.70	47.40	5c	4.9	6.0	0.035	<0.8	<0.7	1.2	14	0.150	0.48	3.6	11	60

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15719	MR1-12-225	47.40	49.10	4b	13	7.9	0.089	<0.8	<0.7	0.8	16	0.140	0.45	1.7	23	41
15720	MR1-12-225	49.10	51.00	4b	5.3	10	0.220	<0.8	<0.7	0.6	31	0.097	0.33	4.0	7	32
15721	MR1-12-225	51.00	53.00	4b	7.8	6.6	0.047	<0.8	<0.7	0.7	28	0.150	0.43	2.2	16	31
15722	MR1-12-225	53.00	55.30	4b	19	6.6	0.200	<0.8	<0.7	0.8	17	0.230	0.76	2.2	54	66
15723	MR1-12-225	55.30	57.50	4b	26	4.8	0.210	<0.8	<0.7	0.9	9.7	0.250	0.67	1.9	57	49
15724	MR1-12-225	57.50	59.70	4b	29	3.9	0.020	<0.8	<0.7	1.1	14	0.270	0.87	1.1	74	46
15725	MR1-12-225	59.70	62.11	4b	21	3.4	0.042	<0.8	<0.7	0.6	17	0.200	0.52	2.2	50	39
15726	MR1-12-225	62.11	64.00	5a	4.2	5.4	0.040	<0.8	<0.7	<0.5	16	0.140	0.27	2.0	11	26
15727	MR1-12-225	64.00	66.00	5a	4.8	4.6	0.064	<0.8	<0.7	<0.5	23	0.120	0.25	2.3	8	23
15728	MR1-12-225	66.00	68.00	5a	5.3	4.7	0.042	<0.8	<0.7	<0.5	19	0.130	0.24	2.8	9	20
15729	MR1-12-225	68.00	70.00	5a	3.8	4.6	0.087	<0.8	<0.7	<0.5	21	0.140	0.29	2.1	11	25
15730	MR1-12-225	70.00	72.00	5a	24	2.1	0.420	<0.8	<0.7	<0.5	14	0.120	0.20	2.5	38	29
15731	MR1-12-225	72.00	74.00	5a	11	3.2	0.046	<0.8	<0.7	0.5	13	0.180	0.32	1.8	28	31
15732	MR1-12-225	74.00	76.00	5a	3.5	5.9	0.120	<0.8	<0.7	0.5	37	0.130	0.35	1.7	11	26
15733	MR1-12-225	76.00	78.00	5a	4.5	6.0	0.099	<0.8	<0.7	0.7	16	0.150	0.27	1.8	13	28
15734	MR1-12-225	78.00	80.00	5a	5.9	4.7	0.042	<0.8	<0.7	0.7	9.6	0.160	0.20	1.7	15	27
15735	MR1-12-225	80.00	82.00	5a	6.1	5.3	0.068	<0.8	<0.7	0.9	17	0.150	0.36	1.4	16	37
15736	MR1-12-225	82.00	84.00	5a	4.8	5.8	0.043	<0.8	<0.7	1.0	12	0.150	0.25	3.8	14	25
15737	MR1-12-225	84.00	86.00	5a	4.6	5.4	0.018	<0.8	1.0	0.8	10	0.160	0.24	2.7	13	28
15738	MR1-12-225	86.00	88.00	5a	4.1	6.7	0.039	<0.8	1.2	<0.5	27	0.140	0.21	3.7	11	22
15739	MR1-12-225	88.00	90.00	5a	14	3.4	0.058	<0.8	<0.7	1.1	9.7	0.280	0.36	1.6	52	38
15740	MR1-12-225	90.00	92.00	5a	11	4.9	0.080	<0.8	0.9	0.7	18	0.230	0.30	3.6	40	40
15741	MR1-12-225	92.00	94.00	5a	5.7	6.6	0.041	<0.8	0.7	<0.5	20	0.200	0.31	2.8	18	44
15742	MR1-12-225	94.00	96.00	5a	4.4	6.1	0.070	<0.8	0.9	<0.5	35	0.140	0.20	2.2	11	23
15743	MR1-12-225	96.00	98.00	5a	5.5	5.1	0.038	<0.8	<0.7	0.8	8.9	0.210	0.27	1.7	18	35
15744	MR1-12-225	98.00	100.00	5a	5.1	6.4	0.030	<0.8	<0.7	<0.5	15	0.190	0.30	2.1	15	30
15745	MR1-12-225	100.00	102.08	4b	7.8	4.9	0.044	<0.8	<0.7	0.7	19	0.190	0.31	2.2	22	39
15746	MR1-12-225	102.08	105.35	4b	26	2.7	0.020	<0.8	<0.7	<0.5	14	0.250	0.43	1.4	53	42
15747	MR1-12-225	105.35	107.00	5a	9.1	3.2	0.032	<0.8	<0.7	0.5	18	0.180	0.30	1.9	25	39
15748	MR1-12-225	107.00	109.00	5a	9.8	2.8	0.036	<0.8	<0.7	0.5	24	0.180	0.30	2.2	22	31
15749	MR1-12-225	109.00	111.00	5a	9.8	2.9	0.014	<0.8	<0.7	0.7	14	0.230	0.35	2.0	36	38
15750	MR1-12-225	111.00	113.00	5a	5.3	7.0	0.052	<0.8	<0.7	<0.5	28	0.130	0.22	3.0	11	49
15751	MR1-12-225	113.00	115.00	5a	6.5	4.6	0.055	<0.8	<0.7	<0.5	7.0	0.089	0.11	1.0	11	31
15752	MR1-12-225	115.00	117.00	5a	5.4	4.2	0.051	<0.8	<0.7	<0.5	9.0	0.087	0.12	1.4	10	26
15753	MR1-12-225	117.00	119.00	5a	9.2	5.2	0.015	<0.8	<0.7	0.5	7.6	0.140	0.27	3.2	17	35
15754	MR1-12-225	119.00	121.00	5a	12	2.3	0.015	<0.8	1.0	<0.5	5.8	0.140	0.26	1.2	21	34
15755	MR1-12-225	121.00	123.00	5a	12	2.5	0.026	<0.8	<0.7	<0.5	6.5	0.160	0.28	1.8	20	37
15756	MR1-12-225	123.00	124.74	5a	5.7	3.4	0.067	<0.8	<0.7	0.6	6.3	0.170	0.38	2.0	13	41
15757	MR1-12-225	124.74	126.80	11ba	29	3.4	0.033	<0.8	<0.7	<0.5	4.4	0.170	0.45	2.9	30	44
15758	MR1-12-225	126.80	128.90	11ba	40	5.6	0.008	<0.8	<0.7	0.6	9.0	0.250	0.69	1.3	58	74
15759	MR1-12-225	128.90	131.00	11ba	48	14	0.007	<0.8	<0.7	0.6	5.3	0.180	0.50	0.69	42	65
15760	MR1-12-225	131.00	133.00	11ba	39	1.2	0.004	<0.8	<0.7	<0.5	3.2	0.170	0.33	0.50	58	37
15761	MR1-12-225	133.00	135.00	11ba	31	1.1	0.004	<0.8	<0.7	<0.5	4.1	0.150	0.29	1.1	48	44
15762	MR1-12-225	135.00	136.70	11ba	9.3	1.2	0.012	<0.8	<0.7	<0.5	5.1	0.054	0.08	1.1	17	34
15763	MR1-12-225	136.70	138.40	11ba	23	1.3	0.038	<0.8	<0.7	<0.5	5.2	0.120	0.17	1.4	32	47
15764	MR1-12-225	138.40	140.34	11ba	45	1.7	0.008	<0.8	<0.7	1.6	9.3	0.340	0.50	1.8	81	73
15765	MR1-12-225	140.34	142.37	11ba	8.2	3.5	0.013	<0.8	<0.7	<0.5	10	0.077	0.10	4.7	16	21
15766	MR1-12-225	142.37	144.30	11ba	41	2.4	0.012	<0.8	<0.7	1.8	18	0.390	0.47	1.8	92	76
15767	MR1-12-225	144.30	146.00	11ba	46	2.5	0.013	<0.8	<0.7	2.5	30	0.430	0.46	1.5	90	78
15768	MR1-12-225	146.00	148.00	11ba	26	1.0	0.018	<0.8	<0.7	0.5	8.8	0.220	0.26	0.99	48	44
15769	MR1-12-225	148.00	150.00	11ba	33	0.73	0.006	<0.8	<0.7	<0.5	6.0	0.190	0.31	0.82	50	39
15770	MR1-12-225	150.00	152.00	11ba	25	1.3	0.062	<0.8	<0.7	<0.5	8.6	0.200	0.34	1.7	40	37
15771	MR1-12-225	152.00	154.00	11ba	27	1.0	0.009	<0.8	<0.7	0.7	8.3	0.280	0.36	1.5	76	50
15772	MR1-12-225	154.00	155.70	11ba	31	0.89	0.008	<0.8	<0.7	<0.5	5.0	0.250	0.35	0.74	60	53
15773	MR1-12-225	155.70	157.50	11ba	27	1.2	0.006	<0.8	<0.7	0.5	7.4	0.170	0.36	1.3	45	45
15774	MR1-12-225	157.50	159.80	5a	4.8	1.7	0.043	<0.8	0.8	0.5	11	0.140	0.18	1.2	14	23
15775	MR1-12-225	159.80	162.06	5a	4.4	2.5	0.100	<0.8	<0.7	0.9	13	0.150	0.18	1.5	14	27
15776	MR1-12-225	162.06	164.00	11ba	31	1.2	0.015	<0.8	<0.7	0.7	11	0.350	0.44	0.69	76	52
15777	MR1-12-225	164.00	166.00	11ba	27	2.3	0.023	<0.8	<0.7	0.9	20	0.350	0.41	0.92	88	49
15778	MR1-12-225	166.00	168.00	11ba	24	2.2	0.053	<0.8	<0.7	0.6	25	0.310	0.37	0.99	78	44
15779	MR1-12-225	168.00	170.00	11ba	26	1.4	0.024	<0.8	<0.7	0.6	23	0.320	0.38	0.96	89	49
15780	MR1-12-225	170.00	172.00	11ba	26	1.9	0.030	<0.8	<0.7	0.6	17	0.320	0.34	0.72	91	49
15781	MR1-12-225	172.00	174.00	11ba	25	2.0	0.033	<0.8	<0.7	0.6	19	0.320	0.39	0.75	85	48
15782	MR1-12-225	174.00	176.00	11ba	35	1.8	0.082	<0.8	<0.7	1.0	20	0.340	0.43	0.84	82	56
15783	MR1-12-225	176.00	178.00	11ba	27	0.96	0.023	<0.8	<0.7	<0.5	8.8	0.330	0.38	0.65	72	49
15784	MR1-12-225	178.00	180.00	11ba	44	1.6	0.012	<0.8	<0.7	0.7	11	0.280	0.42	1.2	64	49
15785	MR1-12-225	180.00	182.00	11ba	33	1.8	0.031	<0.8	<0.7	1.2	11	0.310	0.44	0.96	69	50
15786	MR1-12-225	182.00	184.00	11ba	32	2.2	0.024	<0.8	<0.7	0.8	17	0.240	0.36	1.7	55	46
15787	MR1-12-225	184.00	186.00	11ba	21	1.2	0.052	<0.8	<0.7	0.8	8.3	0.300	0.38	0.99	73	48

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Ti µg/g	U µg/g	V µg/g	Zn µg/g
15788	MR1-12-225	186.00	188.00	11ba	22	0.58	0.028	<0.8	<0.7	0.8	3.6	0.290	0.31	0.93	72	41
15789	MR1-12-225	188.00	190.00	11ba	40	1.2	0.018	<0.8	<0.7	1.3	8.0	0.300	0.40	2.1	91	56
15790	MR1-12-225	190.00	192.00	11ba	34	0.61	0.032	<0.8	<0.7	1.1	4.4	0.310	0.30	0.85	82	51
15791	MR1-12-225	192.00	194.00	11ba	32	0.56	0.021	<0.8	<0.7	0.8	7.8	0.200	0.24	1.3	58	56
15792	MR1-12-225	194.00	196.00	11ba	28	1.1	0.012	<0.8	<0.7	1.0	8.0	0.290	0.36	1.3	80	46
15793	MR1-12-225	196.00	198.00	11ba	22	1.2	0.039	<0.8	<0.7	0.7	7.6	0.280	0.35	1.6	82	44
15794	MR1-12-225	198.00	200.00	11ba	23	0.50	0.015	<0.8	<0.7	0.7	5.8	0.200	0.22	0.70	77	38
15795	MR1-12-225	200.00	202.00	11ba	28	0.58	0.032	<0.8	<0.7	0.8	8.4	0.260	0.29	0.84	83	37
15796	MR1-12-225	202.00	204.00	11ba	25	0.64	0.025	<0.8	<0.7	6.0	5.8	0.250	0.29	0.88	77	60
15797	MR1-12-225	204.00	206.00	11ba	27	0.97	0.018	<0.8	<0.7	0.9	7.5	0.260	0.34	0.66	83	42
15798	MR1-12-225	206.00	208.00	11ba	19	1.5	0.023	<0.8	<0.7	0.6	7.1	0.260	0.29	0.71	66	36
15799	MR1-12-225	208.00	210.20	11ba	19	1.1	0.043	<0.8	<0.7	0.6	9.2	0.220	0.35	0.87	41	44
15800	MR1-12-225	210.20	212.40	11ba	9.0	2.2	0.130	<0.8	<0.7	<0.5	12	0.150	0.34	2.3	20	29
15801	MR1-12-225	212.40	214.65	11ba	8.2	1.9	0.180	<0.8	0.8	<0.5	29	0.110	0.26	2.3	17	26
15802	MR1-12-225	214.65	217.00	5a	4.1	3.9	0.030	<0.8	<0.7	0.6	8.3	0.130	0.23	2.4	12	28
15803	MR1-12-225	217.00	219.20	5a	5.6	2.1	0.020	<0.8	<0.7	0.6	6.8	0.150	0.23	2.4	16	30
15804	MR1-12-225	219.20	221.40	5a	5.8	2.2	0.041	<0.8	<0.7	0.5	11	0.150	0.23	2.2	16	32
15805	MR1-12-225	221.40	223.60	5a	3.5	3.6	0.067	<0.8	<0.7	0.9	13	0.140	0.19	2.0	12	25
15806	MR1-12-225	223.60	225.80	5a	4.3	1.7	0.031	<0.8	<0.7	0.6	8.3	0.150	0.17	2.0	13	28
15807	MR1-12-225	225.80	228.00	5a	3.6	4.1	0.029	<0.8	<0.7	<0.5	11	0.170	0.24	1.6	13	26
15808	MR1-12-225	228.00	230.00	11a	59	2.3	0.030	<0.8	<0.7	0.7	6.6	0.180	0.36	4.4	32	37
15809	MR1-12-225	230.00	232.00	11a	11	4.6	0.098	<0.8	<0.7	0.7	20	0.160	0.35	4.4	25	33
15810	MR1-12-225	232.00	234.00	11a	9.8	5.1	0.025	<0.8	<0.7	7.3	12	0.130	0.25	6.6	16	29
15811	MR1-12-225	234.00	236.00	11a	27	0.80	0.013	<0.8	<0.7	0.8	5.0	0.260	0.43	1.1	77	43
15812	MR1-12-225	236.00	238.00	11a	16	3.6	0.035	<0.8	<0.7	0.9	19	0.220	0.42	3.3	57	45
15813	MR1-12-225	238.00	240.00	11a	25	0.91	0.230	<0.8	1.0	0.8	20	0.230	0.36	1.3	63	45
15814	MR1-12-225	240.00	242.00	11a	32	0.46	0.012	<0.8	<0.7	0.6	4.5	0.270	0.33	0.61	75	52
15815	MR1-12-225	242.00	244.00	11a	32	1.2	0.016	<0.8	<0.7	1.1	8.2	0.280	0.46	0.60	86	48
15816	MR1-12-225	244.00	246.00	11a	29	0.66	0.032	<0.8	<0.7	0.9	4.2	0.290	0.49	0.57	85	51
15817	MR1-12-225	246.00	248.00	11a	28	0.72	0.039	<0.8	<0.7	0.7	5.0	0.270	0.35	0.61	75	46
15818	MR1-12-225	248.00	250.20	11a	27	0.58	0.012	<0.8	<0.7	<0.5	2.9	0.240	0.28	0.96	53	43
15819	MR1-12-225	250.20	252.40	11a	26	0.40	0.017	<0.8	<0.7	0.6	3.9	0.210	0.28	0.65	70	48
15820	MR1-12-225	252.40	254.65	11a	28	0.40	0.012	<0.8	<0.7	0.5	3.2	0.230	0.31	0.61	70	42
15821	MR1-12-225	254.65	257.20	11a	4.1	1.7	0.200	<0.8	<0.7	0.9	5.6	0.180	0.18	2.8	16	30
15822	MR1-12-225	257.20	259.20	11a	28	0.58	0.019	<0.8	<0.7	0.7	5.8	0.240	0.31	0.64	79	42
15823	MR1-12-225	259.20	261.20	11a	24	0.63	0.018	<0.8	<0.7	0.6	8.9	0.220	0.31	0.52	70	39
15824	MR1-12-225	261.20	263.20	11a	26	0.85	0.015	<0.8	<0.7	1.1	5.8	0.280	0.34	0.80	88	39
15825	MR1-12-225	263.20	265.00	11a	22	1.0	0.022	<0.8	<0.7	<0.5	8.9	0.260	0.29	0.86	86	39
15826	MR1-12-225	265.00	267.00	11a	4.4	1.3	0.045	<0.8	<0.7	0.6	7.5	0.130	0.17	1.3	13	27
15827	MR1-12-225	267.00	269.00	5a	3.5	0.96	0.026	<0.8	<0.7	<0.5	5.6	0.088	0.10	1.0	11	26
15828	MR1-12-225	269.00	271.00	5a	3.7	2.0	0.036	<0.8	<0.7	<0.5	11	0.130	0.15	1.7	11	23
15829	MR1-12-225	271.00	273.13	5a	5.3	1.8	0.045	1.8	<0.7	<0.5	13	0.100	0.12	1.4	17	25
15830	MR1-12-225	273.13	275.00	11a	24	0.72	0.028	<0.8	<0.7	<0.5	15	0.240	0.28	0.71	77	39
15831	MR1-12-225	275.00	277.00	11a	23	0.77	0.049	<0.8	<0.7	0.9	8.8	0.260	0.30	0.91	70	39
15832	MR1-12-225	277.00	279.00	11a	27	0.96	0.025	<0.8	<0.7	0.6	8.9	0.290	0.32	0.62	90	41
15833	MR1-12-225	279.00	281.00	11a	32	1.4	0.034	<0.8	<0.7	0.6	10	0.280	0.30	1.5	83	43
15834	MR1-12-225	281.00	283.00	11a	20	10	0.180	<0.8	<0.7	0.6	9.2	0.220	0.24	3.7	58	42
15835	MR1-12-225	283.00	285.00	11a	22	1.3	0.098	<0.8	<0.7	0.7	6.3	0.240	0.27	2.1	68	38
15836	MR1-12-225	285.00	286.60	11a	24	0.48	0.020	<0.8	<0.7	0.7	6.8	0.210	0.21	1.0	72	36
15630	MR1-12-226	73.17	75.27	4ac	35	5.0	0.100	<0.8	4.1	1.1	0.89	0.023	0.35	0.60	130	92
15631	MR1-12-226	75.27	77.37	4ac	34	6.0	0.110	<0.8	6.2	2.1	1.2	0.021	0.04	0.84	110	100
15632	MR1-12-226	77.37	79.65	4ac	44	7.2	0.120	<0.8	2.6	0.8	1.8	0.019	0.03	0.89	130	78
15644	MR1-12-226	101.34	103.34	4a	260	1.8	0.008	<0.8	<0.7	0.6	1.3	0.027	<0.02	1.2	100	71
15645	MR1-12-226	103.34	105.24	4a	320	1.8	0.040	<0.8	<0.7	<0.5	1.5	0.024	<0.02	1.4	110	73
15646	MR1-12-226	105.24	107.16	4a	290	1.5	0.009	<0.8	<0.7	<0.5	0.68	0.031	<0.02	1.5	100	71
15650	MR1-12-226	112.93	114.93	4acb	59	11	2.600	<0.8	1.2	<0.5	2.3	0.068	0.27	3.3	61	23
15651	MR1-12-226	114.93	116.93	4acb	15	2.7	0.008	<0.8	<0.7	0.7	6.5	0.068	0.11	3.0	48	81
15652	MR1-12-226	116.93	118.93	4acb	14	1.9	0.008	<0.8	<0.7	<0.5	5.8	0.027	<0.02	2.2	41	71
15653	MR1-12-226	118.93	120.72	4acb	17	4.1	0.007	<0.8	<0.7	1.8	8.2	0.096	0.23	3.4	48	71
15654	MR1-12-226	120.72	122.22	4ba	13	6.1	0.009	<0.8	<0.7	2.1	12	0.140	0.53	3.7	50	47
15655	MR1-12-226	122.22	123.72	4ba	13	7.8	0.007	<0.8	<0.7	2.7	11	0.150	0.51	3.4	40	31
15656	MR1-12-226	123.72	125.05	4ba	15	12	0.009	<0.8	<0.7	2.3	7.9	0.240	0.77	2.2	42	13
15657	MR1-12-226	125.05	127.05	4acb	32	12	0.010	<0.8	<0.7	2.9	14	0.220	0.79	2.2	59	27
15658	MR1-12-226	127.05	129.05	4acb	20	13	0.010	<0.8	<0.7	3.8	12	0.310	1.1	2.1	59	13
15659	MR1-12-226	129.05	131.05	4acb	20	16	0.016	<0.8	<0.7	3.6	12	0.320	1.1	2.5	49	8.7
15660	MR1-12-226	131.05	132.95	4acb	13	13	0.008	<0.8	<0.7	2.4	6.1	0.210	0.99	4.0	32	7.7
15661	MR1-12-226	132.95	134.75	4acb	18	14	0.013	<0.8	<0.7	3.9	15	0.340	1.1	2.4	58	10
15662	MR1-12-226	134.75	136.55	4acb	34	4.2	0.007	<0.8	<0.7	1.1	5.8	0.100	0.25	3.2	43	61
15663	MR1-12-226	136.55	138.44	4acb	41	7.2	0.100	<0.8	<0.7	1.9	4.2	0.130	0.62	6.5	39	85

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Ti µg/g	U µg/g	V µg/g	Zn µg/g
15664	MR1-12-226	138.44	140.44	5a	12	5.8	0.008	<0.8	<0.7	1.6	4.2	0.180	0.46	3.1	31	16
15665	MR1-12-226	140.44	142.44	5c	9.5	5.6	0.007	<0.8	<0.7	1.6	3.9	0.180	0.47	2.7	29	11
15666	MR1-12-226	142.44	144.14	5c	9.8	9.1	0.076	<0.8	<0.7	2.4	4.0	0.280	0.69	4.0	38	7.6
15667	MR1-12-226	144.14	146.00	5c	9.8	9.6	0.099	<0.8	<0.7	2.0	3.9	0.270	0.68	4.4	36	6.2
15668	MR1-12-226	146.00	148.00	5c	10	5.8	0.013	<0.8	<0.7	1.0	5.0	0.160	0.50	2.8	25	23
15669	MR1-12-226	148.00	150.00	5c	18	4.2	0.007	<0.8	<0.7	0.7	2.6	0.130	0.45	2.8	18	37
15670	MR1-12-226	150.00	152.00	5c	23	4.8	0.007	<0.8	<0.7	1.0	4.3	0.180	0.65	1.7	33	49
15671	MR1-12-226	152.00	154.00	5c	9.7	3.7	0.007	<0.8	<0.7	0.6	3.6	0.150	0.52	1.4	22	41
15672	MR1-12-226	154.00	156.00	5c	9.6	4.1	0.040	<0.8	<0.7	0.8	6.6	0.160	0.50	1.8	24	39
15673	MR1-12-226	156.00	158.00	5c	73	4.5	0.030	<0.8	<0.7	1.5	9.7	0.200	0.68	1.4	45	58
15674	MR1-12-226	158.00	160.00	5c	8.9	2.2	0.012	<0.8	<0.7	0.8	5.2	0.160	0.61	1.1	28	42
15675	MR1-12-226	160.00	162.00	5c	10	2.7	0.290	<0.8	<0.7	0.8	5.1	0.150	0.54	1.4	29	49
15676	MR1-12-226	162.00	164.00	5c	7.7	1.9	0.048	<0.8	<0.7	0.9	7.5	0.140	0.45	1.3	28	37
15677	MR1-12-226	164.00	166.00	5c	8.8	2.2	0.010	<0.8	<0.7	0.6	3.8	0.130	0.45	1.5	20	42
15678	MR1-12-226	166.00	168.00	5c	9.2	2.6	0.009	<0.8	<0.7	0.5	3.2	0.150	0.52	1.2	24	47
15679	MR1-12-226	168.00	170.00	5c	10	3.0	0.011	<0.8	<0.7	0.6	3.0	0.150	0.51	1.3	25	40
15680	MR1-12-226	170.00	172.00	5c	9.6	2.7	0.034	<0.8	<0.7	0.6	3.9	0.140	0.49	1.6	25	45
15681	MR1-12-226	172.00	174.00	5c	8.8	2.5	0.071	<0.8	<0.7	0.9	6.7	0.180	0.59	1.3	33	44
15682	MR1-12-226	174.00	176.00	5c	9.7	4.0	0.220	<0.8	<0.7	0.8	5.1	0.180	0.46	1.5	34	48
15683	MR1-12-226	176.00	178.00	5c	10	3.0	0.015	<0.8	<0.7	0.8	4.8	0.200	0.51	1.7	31	51
15684	MR1-12-226	178.00	180.00	5c	9.6	2.3	0.034	<0.8	<0.7	0.8	6.0	0.190	0.46	1.6	33	44
15685	MR1-12-226	180.00	182.00	5c	9.8	2.4	0.050	<0.8	<0.7	0.8	6.1	0.190	0.49	1.4	31	48
15686	MR1-12-226	182.00	184.00	5c	9.7	2.5	0.042	<0.8	<0.7	0.9	5.8	0.210	0.49	1.4	33	46
15687	MR1-12-226	184.00	186.00	5c	11	2.0	0.013	<0.8	<0.7	0.5	4.6	0.160	0.40	1.4	25	52
15688	MR1-12-226	186.00	188.00	5c	8.3	1.2	0.056	<0.8	<0.7	0.6	6.0	0.100	0.19	1.1	27	45
15689	MR1-12-226	188.00	190.00	5c	7.9	1.5	0.016	<0.8	<0.7	0.8	6.5	0.130	0.21	1.5	28	38
15690	MR1-12-226	190.00	192.00	5c	7.1	1.6	0.018	<0.8	<0.7	1.1	7.1	0.160	0.25	1.5	28	41
15691	MR1-12-226	192.00	194.00	5c	7.8	1.3	0.063	<0.8	<0.7	1.0	7.2	0.230	0.43	1.3	37	53
15692	MR1-12-226	194.00	196.00	5c	6.9	1.4	0.023	<0.8	<0.7	0.5	5.5	0.120	0.20	1.4	18	36
15693	MR1-12-226	196.00	197.80	5c	8.6	1.7	0.043	<0.8	<0.7	1.1	6.8	0.190	0.33	1.6	34	47
15694	MR1-12-226	197.80	199.52	5c	8.0	2.2	0.054	<0.8	<0.7	0.8	8.1	0.170	0.29	1.6	34	40
15695	MR1-12-226	199.52	201.20	4b	19	1.1	0.008	<0.8	<0.7	0.6	6.3	0.090	0.24	0.76	22	38
15696	MR1-12-226	201.20	203.00	5c	9.0	1.6	0.067	<0.8	<0.7	0.5	6.8	0.180	0.31	1.7	28	40
15697	MR1-12-226	203.00	205.00	5c	8.7	2.4	0.061	<0.8	<0.7	0.8	6.8	0.180	0.35	2.1	32	40
15698	MR1-12-226	205.00	207.00	5c	10	3.3	0.027	<0.8	<0.7	0.5	7.2	0.081	0.20	4.4	15	40
15699	MR1-12-226	207.00	209.00	5c	8.7	4.0	0.076	<0.8	<0.7	0.6	6.2	0.140	0.33	3.1	22	41
15700	MR1-12-226	209.00	211.00	5c	9.5	5.5	0.024	<0.8	<0.7	0.8	6.7	0.240	0.56	1.4	31	46
15837	MR1-12-226	211.00	213.00	5c	7.4	4.1	0.038	<0.8	<0.7	1.3	5.4	0.240	0.45	1.1	39	44
15838	MR1-12-226	213.00	215.30	5c	6.9	2.1	0.043	<0.8	<0.7	0.9	3.9	0.210	0.38	1.0	36	40
15839	MR1-12-226	215.30	217.50	5c	8.1	2.3	0.029	<0.8	<0.7	1.2	5.6	0.260	0.49	1.2	42	55
15840	MR1-12-226	217.50	219.89	5c	10	2.9	0.039	<0.8	<0.7	1.2	6.5	0.260	0.52	1.3	42	50
15841	MR1-12-226	219.89	222.28	5c	17	0.97	0.004	<0.8	<0.7	0.6	2.6	0.120	0.40	1.2	24	34
15842	MR1-12-226	222.28	224.00	5c	8.2	1.4	0.015	<0.8	<0.7	0.9	3.6	0.240	0.51	1.0	33	45
15843	MR1-12-226	224.00	226.00	5c	9.5	1.7	0.110	<0.8	<0.7	0.9	2.8	0.240	0.61	2.0	28	54
15844	MR1-12-226	226.00	228.30	5c	9.7	7.8	0.075	<0.8	<0.7	1.2	6.7	0.240	0.58	1.5	40	64
15845	MR1-12-226	228.30	230.30	3	26	1.5	0.033	<0.8	<0.7	2.2	6.5	0.230	0.37	1.0	110	61
15846	MR1-12-226	230.30	232.30	3	37	30	0.250	<0.8	<0.7	3.3	9.1	0.190	0.49	1.6	79	160
15847	MR1-12-226	232.30	234.30	3	79	14	0.140	<0.8	<0.7	<0.5	23	0.110	0.22	0.13	84	25
15848	MR1-12-226	234.30	236.35	3	79	15	0.120	<0.8	<0.7	0.9	10	0.200	0.38	0.36	130	59
15849	MR1-12-226	236.35	237.57	3	69	7.8	0.047	<0.8	<0.7	2.6	15	0.220	0.85	1.6	59	120
15850	MR1-12-226	237.57	240.40	3	12	7.7	0.092	<0.8	<0.7	1.1	17	0.270	0.84	1.9	37	68
15851	MR1-12-226	240.40	242.40	3	21	8.5	0.120	<0.8	<0.7	1.1	29	0.260	0.95	1.4	53	69
15852	MR1-12-226	242.40	244.40	3	37	10	0.100	<0.8	<0.7	2.3	19	0.250	0.82	2.1	64	94
15853	MR1-12-226	244.40	246.40	3	22	1.8	0.036	<0.8	<0.7	1.7	9.9	0.250	0.71	1.1	63	56
15854	MR1-12-226	246.40	248.40	3	20	3.4	0.039	<0.8	<0.7	1.8	14	0.280	0.81	1.3	64	64
15855	MR1-12-226	248.40	250.40	3	18	2.9	0.076	<0.8	<0.7	1.7	14	0.230	0.50	1.3	48	58
15856	MR1-12-226	250.40	252.20	3	27	73	0.087	<0.8	<0.7	2.5	21	0.290	0.86	0.91	90	360
15857	MR1-12-226	252.20	254.00	3	20	84	0.140	<0.8	<0.7	1.9	18	0.240	0.68	0.83	63	210
15858	MR1-12-226	254.00	255.80	3	19	13	0.039	<0.8	<0.7	1.7	17	0.210	0.73	1.8	39	120
15859	MR1-12-226	255.80	258.00	5a	11	8.8	0.036	<0.8	<0.7	2.3	16	0.270	0.82	1.9	37	63
15860	MR1-12-226	258.00	260.00	5a	8.8	5.5	0.024	<0.8	<0.7	1.8	13	0.270	0.87	1.5	38	55
15861	MR1-12-226	260.00	262.00	5a	15	6.1	0.067	<0.8	<0.7	1.7	13	0.230	0.98	1.7	38	76
15862	MR1-12-226	262.00	264.00	5a	12	16	0.150	<0.8	<0.7	1.9	16	0.260	0.95	2.0	35	94
15863	MR1-12-226	264.00	266.00	5a	14	7.6	0.045	<0.8	<0.7	1.4	15	0.260	1.0	1.9	40	63
15864	MR1-12-226	266.00	268.00	5a	10	4.6	0.042	<0.8	<0.7	2.2	11	0.270	1.1	1.7	38	51
15865	MR1-12-226	268.00	270.00	5a	9.8	5.2	0.044	<0.8	<0.7	2.8	11	0.200	0.90	1.9	25	98
15866	MR1-12-226	270.00	271.70	5a	25	12	0.100	<0.8	<0.7	6.9	12	0.220	0.81	2.2	53	320
15867	MR1-12-226	271.70	274.00	4bc	44	9.9	0.039	<0.8	<0.7	2.2	15	0.140	0.54	6.4	59	79
15868	MR1-12-226	274.00	275.10	4bc	75	5.1	0.110	<0.8	<0.7	0.9	10	0.220	1.1	2.2	74	76

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15869	MR1-12-226	275.10	277.14	4bc	10	5.2	0.002	<0.8	<0.7	1.1	2.5	0.018	0.16	11	7	17
15870	MR1-12-226	277.14	278.90	4bc	44	2.2	0.086	<0.8	<0.7	0.5	5.1	0.200	0.70	1.0	140	50
15871	MR1-12-226	278.90	281.45	4bc	2.7	19	0.024	<0.8	<0.7	2.7	2.9	0.020	0.11	17	9	22
15872	MR1-12-226	281.45	283.65	4bc	17	3.0	0.008	<0.8	<0.7	0.6	4.1	0.160	0.50	0.84	38	79
15873	MR1-12-226	283.65	285.85	4bc	14	5.4	0.017	<0.8	<0.7	0.9	11	0.190	0.64	1.4	47	51
15874	MR1-12-226	285.85	287.50	4bc	12	3.1	0.030	<0.8	<0.7	1.1	8.3	0.200	0.50	1.4	43	62
15875	MR1-12-226	287.50	289.14	4bc	10	6.2	0.210	<0.8	<0.7	2.1	8.8	0.200	0.51	1.5	39	99