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**2022 Diamond Drilling Report on the Bald Rock property,  
Gowganda Project of Battery Mineral Resources,  
Lawson Township, Larder Lake Mining Division,  
North-Eastern Ontario, Canada.**

April 21, 2022

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## 1.0 SURVEY OVERVIEW

### 1.1 PROJECT NAME

This project is known as the **Bald Rock Property**, Gowganda Project Area.

### 1.2 CLIENT

BATTERY MINERAL RESOURCES Corp.  
P.O. Box 219,  
14579 Government Road,  
Larder Lake, Ontario, P0K 1L0, Canada

### 1.3 SUMMARY

Battery Mineral Resources Corp. (BMR) undertook a diamond drilling program on the Bald Rock Property in the Gowganda Project area from February 2- 21, 2022 to test for the continuity of the known mineralization along strike to the southwest of the historic surface showing. A total of 7 holes aggregating 714.0m were drilled. All of the drilling was conducted on boundary claim 245824. The drilling was completed by Forage G4 (G4) of Val-d'Or, Quebec, and support services were provided by Canadian Exploration Services (CXS) of Larder Lake, Ontario. The program was planned and coordinated by BMR's Exploration Manager Frank Ploeger and conducted by BMR/CXS exploration geologists Sean Hicks and Kajal Makwana. Core samples cut at the CXS facility were transported to ALS Labs in Sudbury, Ontario for analysis.

The objective of the drilling program was to extend the mineralization of the Bald Rock surface showing and the 2021 drill intersections to depth and along strike by stepping out gradually to the southwest.

Holes GBR22008 to GBR22011 were designed to test the southerly continuity of the alteration and vein zone that was uncovered in the surface stripping around the historic pit/ open cut and tested by 2021 BMR drill holes GBR21001- 005. Single holes GBR22012 and 013 were drilled further southwest along the projected strike of the zone. However, when hole 013 collared in sediments, hole GBR22014 was added to the program in an attempt to locate the vein zone that appears to have been truncated by a structure (cross fault?).

A total of 235 samples including standards, blanks and duplicates were collected during the program and sent to ALS Laboratories in Sudbury for geochemical analysis. Table 1 summarizes the work undertaken.

All coordinates presented in this report are in UTM NAD83 Z17N.

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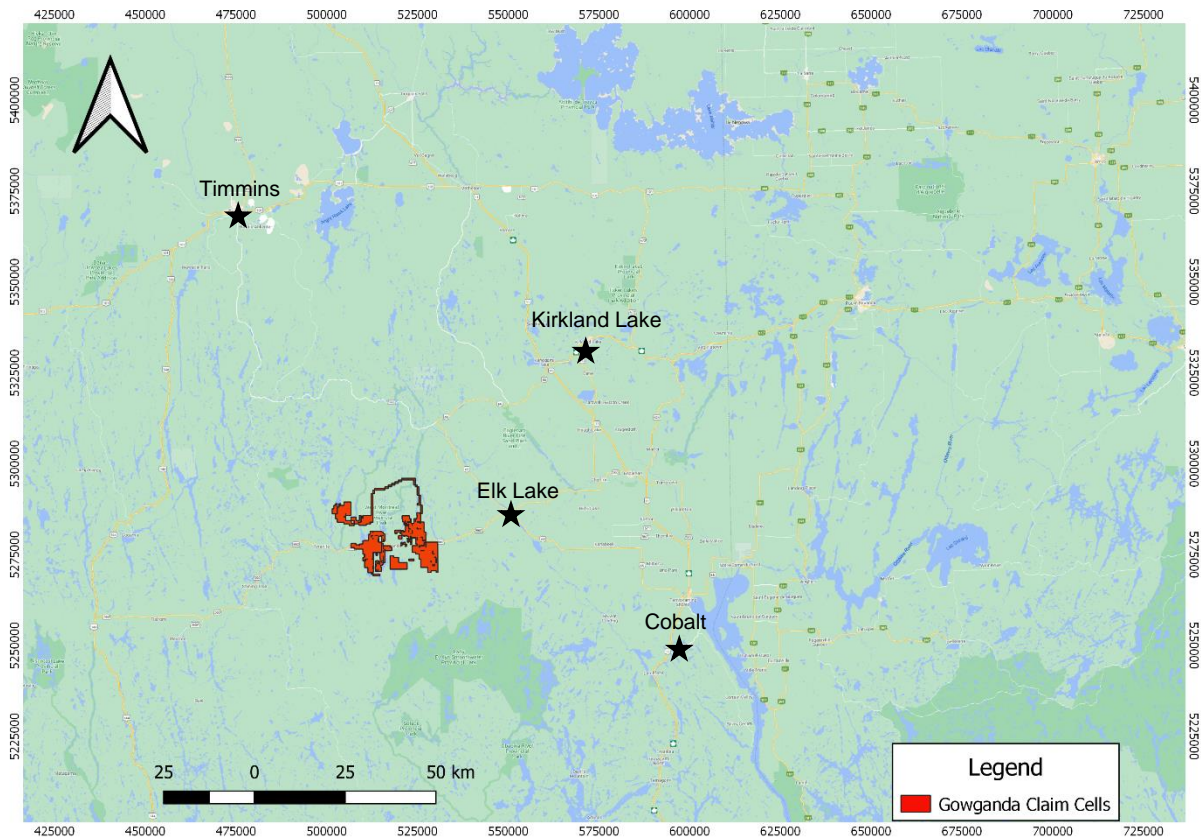
<b>Activity</b>	<b>Dates</b>	<b>Details</b>	<b>Performed By</b>
Diamond Drilling	February 2 <sup>nd</sup> to 21 <sup>st</sup> , 2022	7 holes 714m	G4
Assaying	March 9- April 19, 2022	235 samples	ALS Minerals, Sudbury

**Table 1. Summary of Work Undertaken.**

**2.0 SURVEY DETAILS**

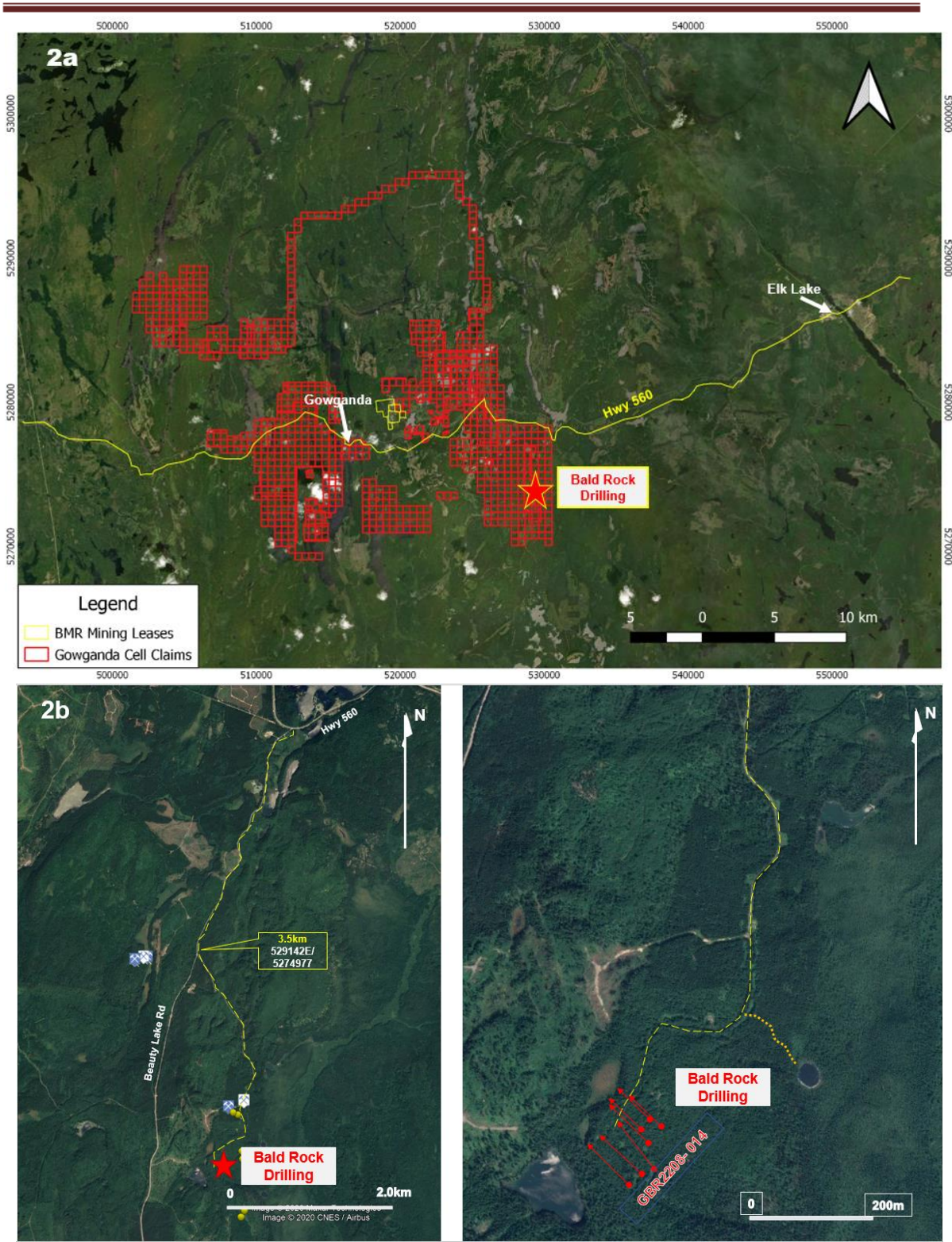
**2.1 LOCATION**

The Gowganda property is a complex array of claims stretching across Chown, Corkill, Haultain, Knight, Lawson, Leith, Milner, Nicol, Rankin, Raymond, and Van Hise Townships of northeastern Ontario. The Project is nested amongst the major mining centres of Kirkland Lake, 80 kilometers to the northeast; Timmins, 100 kilometers to the north; and Sudbury, 100 kilometers to the south. The closest major centre to Gowganda is the city of Timiskaming Shores located 80 kilometers to the east. Figure 1 displays the Gowganda Property outline with regards to the nearest population centers. All of the drilling was conducted in Lawson Township on the eastern edge of the Gowganda project area.



***Figure 1. Location of Gowganda Property.***





**Figure 2a. Gowganda Property claim cell outlines (in red); 2b. Bald Rock drilling location**



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## 2.2 ACCESS

The Bald Rock project area of the Gowganda Property is located approximately 35 kilometres west of Elk Lake. The property is accessible via Highway 560 between the towns of Elk Lake and Gowganda and hence about 3.5km south of Longpoint Lake along the Beauty Lake Road and then 3.0km south- southeast along an old logging road to the location of the drilling.

## 2.3 MINING CLAIMS / OWNERSHIP

As of September 2021, the overall Gowganda property consisted of 1138 mining cell claims and 4 mining leases (LEA-109391, LEA-109392, LEA-109393 and LEA-109394) covering a combined total of 18,508 hectares stretching across Chown, Corkill, Haultain, Knight, Lawson, Leith, Milner, Nicol, Rankin, Raymond, and Van Hise Townships of northeastern Ontario. The drill program was conducted in Lawson Township on boundary claim 245824.

Figure 2a displays the Gowganda Property claim fabric (detailed tenure listing Appendix 1) while the detailed access and location sketches of the drill program are provided in Figure 2b.

## 2.4 HISTORIC WORK

The early history of the Gowganda region is summarized in a report prepared for the Ontario Geological Survey by McIlwaine (1978). Production of silver in the Gowganda camp was first recorded from the Bartlett mine in 1909, and by 1969, had totalled almost 60,200,000 ounces silver and 1,300,000 pounds of cobalt with minor nickel and copper. Most of the silver was produced from three mines, the Miller Lake- O'Brien, Castle- Trethewey, and Capitol, with minor additional ounces contributed by 10 other satellite mines.

### 1973

In 1973, the Teme- Augama Anishnabai first nation, exercised a land caution against development on Crown land covering approximately 10 000 square kilometres, mostly around Lake Temagami, but extending northwards into the Gowganda area. The Attorney General of Ontario pursued legal action against the Band and, in 1995, ordered the caution to be lifted; re- opening the area for exploration in 1996.

### 2011 – Capital Links Inc.

***(File 2.51824) Report of Work on the Silver Leaf Property, Lawson Township, Larder Lake Mining District (by G. Collins Geoscience Inc.).***

In his report on the Silver Leaf (Bald Rock) property, Collins states that most of the original work was probably accomplished by the early prospectors around 1908 with only very minor later prospecting of the area because of the significant glaciofluvial cover which left little exposed outcrop. In 1996, local prospector A. LaCarte staked most of the historic showings in the area, including the Bald Rock prospect, and utilized an excavator to strip the old workings near the historic shaft and 2 showings to the south

on which pits had been sunk in the early 1900's. The most southerly stripping, approximately 500m south of the shaft (Bald Rock) was mapped in detail and channel sampled by Collins in 2011. Mapping indicated a 10m wide zone of alteration and veining that yielded significant Co, Cu and Ag assays.

Collins also summarized the more recent historical work (Table 2).

Claims	Work Performed	Performed By	Date	Results
Most of North an Central Claim Blocs Covered	Airborne Mag, Radiometrics	Surperior Resources	1998	Magnetic Signature associated with Nipissing Gabbro Sill defined
3004169	Trenching Mapping	Surperior Resources	1998	Copper cobalt veining exposed, no record of samples collected or assays
1211997, 1211998	Trenching, Prospecting	A. Lacarte	2002	Old shaft on 1211997 exposed, sample containing 65.4 Oz/Silver collected
3004169	Diamond Drilling	Keevil Mining	1966	2 holes for a total of 62 metres drilled east of Bald Rock occurrence - no assays
1211997	Diamond Drilling	Keevil Mining	1966	2 short holes for a total of 91 metres drilled in vicinity shaft on 1211997 - no assays
1211997, 1211998	Trenching, Prospecting	A. Lacarte	1996	Native silver identified south of shaft collar on 1211997
Cover most of North Claim Block	Soil Geochemistry	Gowganda Silver Mines	1968	No Significant anomalies detected - survey type would not be effective based on cover
All	Round Lake Mag Survey	Ontario Geological Survey	2004	Nipissing Gabbro well defined on property, several Keating anomalies - possible kimberlite pipes identified
1211997	Trenching, Mapping	Capital Links	2006	Trench Geology Map of stripped area - no assays
Mag over Entire Property, IP on claim 3004192	Airborne Mag, IP	Noront Resources	2006	3 Mag Anomalies defined, IP chargeability anomaly defined on 3004192
4209654	Trenching, Prospecting	Capital Links	2009	New exposure on 4209654, Elevated copper from old trenches on claim 4212863 and 4209655
1211997	Trenching, Prospecting, Assays	Capital Links	2011	High Silver values - 3,317 Oz/tonne from sample collected 300 metres south of shaft on 1211997
3004169	Channel Sampling	Capital Links	2011	Elevated Silver, Cobalt and Copper values obtained over 40m exposed strike

**Table 2. Summary of historical work on the Bald Rock property (from Collins 2011).**

### **2018 to 2020 – Battery Mineral Resources Limited:**

BMR has completed a significant exploratory undertaking of the Gowganda Project with numerous geophysical surveys, both airborne and ground (IP, EM, Mag and Gravity), conducted in specific areas of interest across the entire project area.

### **2018 - Battery Mineral Resources Limited:**

A high-resolution LiDAR survey, completed in June 2018 over much of the Gowganda property was used to identify and accurately locate outcrops and historical exploration features such as shafts, pits, and trenches.

### **2018 – Battery Mineral Resources Limited –**

**Prospecting Gowganda Project Chown, Corkill, Haultain, Knight, Lawson, Milner, Nicol, Van Hise Townships, Ontario:** During the summer and autumn of 2018, BMR's field staff prospected some of the known mineral occurrences, historic workings or AMIS features and areas of geologic interest. The objective of the work was to prospect for outcropping cobalt showings to generate follow-up geophysical surveys and drill-targets. A total of 62 grab samples were collected and sent for assay.

**2021– Battery Mineral Resources Corp:**

In the summer 2021, BMR conducted a drill campaign of 7 holes totalling 687.65m around the main Bald Rock stripped area (5 holes) as well as a second stripped area near old pits which had yielded a spectacular silver assay of 102842.5 g/t (one hole) and the projected junction of three vein systems (one hole).

**2.5 REGIONAL AND LOCAL GEOLOGY****Overview**

The project area occurs within the Superior Province which is composed of northeast-trending Paleo- to Neoproterozoic gneissic complexes, granite-greenstone terranes, and sedimentary basins that were assembled by repeated island arc-microcontinent collisions (Bauer et al., 2011). The Gowganda project is underlain by Nipissing diabase sills that intrude Paleoproterozoic (2.5-2.2 Ga) metasedimentary rocks of the Huronian Supergroup (HS) that form a ~60,000 km<sup>2</sup> irregular-shaped siliciclastic paleo-basin, colloquially known as the Cobalt Embayment (Potter and Taylor, 2009). The HS unconformably overlies complexly folded and sub vertically dipping Neoproterozoic volcanic, intrusive, and sedimentary rocks of the Wawa-Abitibi terrane that forms the southern-most sub province of the Canadian portion of the Superior Province (Stott et al., 2010; Stott, 2011; Lodge, 2013). Both Archean rocks and the HS were intruded by Nipissing Diabase sills that are primarily tholeiitic and were sourced from MORB-type parental magma (Potter and Taylor, 2009). These intrusive rocks were emplaced along reactivated pre-HS faults at ca. 2.219 Ga (Corfu and Andrews, 1986) and are envisioned as the heat source that drove the hydrothermal fluid circulation responsible for Ag-Co mineralization.

**Archean Rocks**

Archean rocks in the region are part of the Wawa-Abitibi sub province and dominantly comprise mafic to felsic volcanic and volcanoclastic rocks, syn- to post-volcanic intrusions and lesser siliciclastic and chemical sedimentary rocks deposited at ca. 2.7 Ga. The volcanic rocks were deposited in an oceanic arc setting during collision between the Wawa terrane and the Superior Craton in the Neoproterozoic time period. Paleotectonic settings (e.g., arc, back-arc, rifted arc) and crustal architecture and thickness varies both between and within greenstone belts in the Wawa-Abitibi terrane, which has resulted in a diverse petrogenesis of igneous rocks and related mineralization styles (Mercier-Langevin et al., 2014).

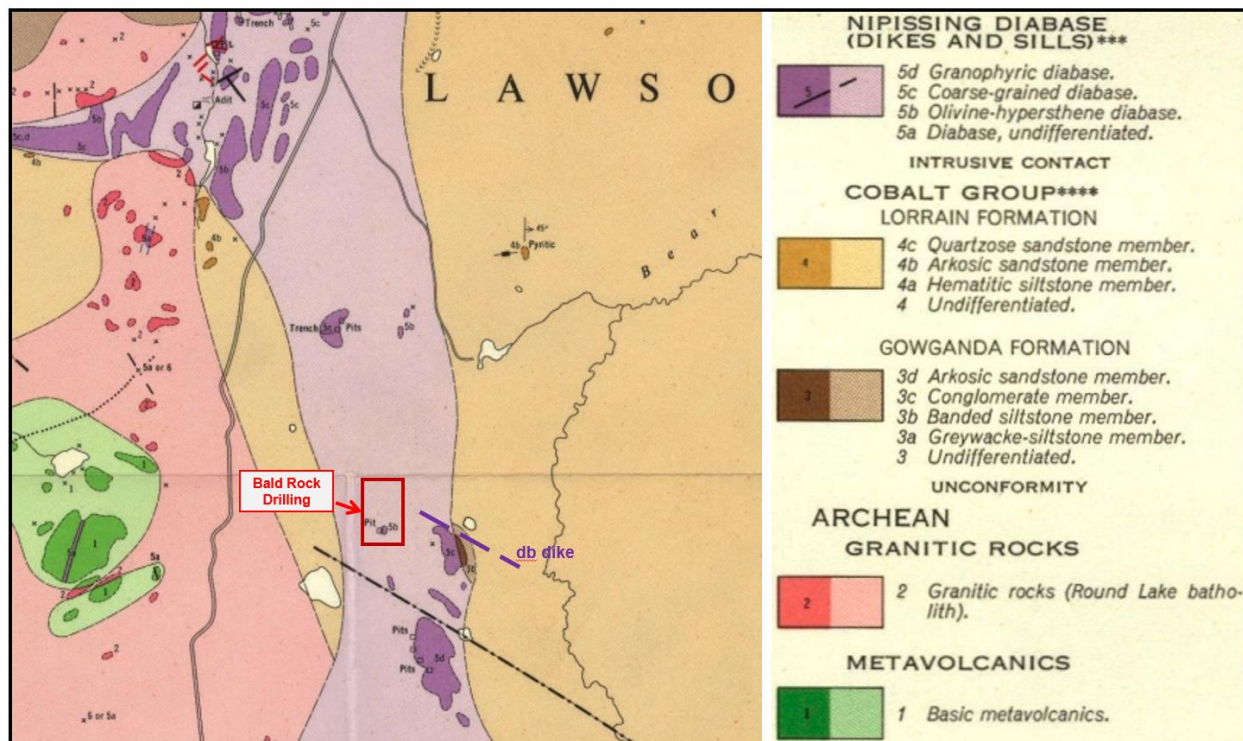
Deformation in the Archean resulted in tight folding and tilting of the rocks to subvertical dips. The stress field was also accommodated by thrust faulting as evidenced by duplication of rock sequences implied in areas where strain intensity is too low to account for the subvertical rock orientations. Major thrust faults may have been reactivated from deep-seated normal faults developed during extension and deposition

of the volcanic facies (Bleeker, 2015). After Archean deformation and deposition of the Huronian Supergroup, the rocks were deformed during the Penokean orogeny that resulted in local reactivation of faults developed in the Archean and Proterozoic (Potter and Taylor, 2009).

### Paleoproterozoic Huronian Supergroup

The Huronian Supergroup comprises a southward-thickening sequence of mainly siliciclastic sedimentary rocks that reach a maximum thickness of 12 km in the southern part of the basin but have an estimated thickness of ~6 km near Cobalt, Ontario (Young et al., 2001). The HS is subdivided in Lower and Upper Huronian. The Lower Huronian comprises, from top to bottom, the Elliot Lake, Hough Lake, and Quirke Lake groups, while the Upper Huronian is solely composed of the Cobalt group. The Lower Huronian has a restricted distribution and was deposited in a rift controlled, non-marine environment. After a significant hiatus, deposition of the more homogenous Upper Huronian is interpreted to have taken place at a passive margin under submarine conditions (Young et al., 2001).

Inversion of the Huronian basin resulted in lower greenschist metamorphism of the sedimentary rocks and caused basin scale hydrothermal fluid flow that resulted in regionally extensive Na and Ca alteration of the rocks (Potter and Taylor, 2009).



**Figure 3. General geology of the Bald Rock area (after MacKean, 1968)**



## PROPERTY GEOLOGY

The Gowganda claim block is dominated by conical or basinal shaped Nipissing diabase sills that intrude Proterozoic Huronian Cobalt Group sediments or abut green-stone-granite basement. The granite has been dated at 2605 Ga (MacKean, 1967). Strong NNW structures transect the area and are seen in the geology and geophysical maps.

The Bald Rock Property area (Figure 3) is extensively covered with glaciolacustrine sands, gravels and clays with limited outcrop exposures restricted mainly to isolated scarps bounding stream valleys and scattered elevated outcrop knobs protruding through the overburden. All of the historic showings at the shaft and pits were sunk within a narrow north-south trending lens of Nipissing Diabase that intrudes the local banded siltstone of the Gowganda Formation. The Nipissing Diabase and sediments are, in turn, intruded by a later northwest striking diabase dike that is not shown on the original mapping.

### 2.6 MINERALIZATION

The Gowganda Mining District is one of the most prolific historic silver and cobalt districts in Canada, with estimated historic production (1910-1969) of 60 million ounces of silver and 1.3 million pounds of cobalt. Although high-grade cobalt mineralized zones were common in the region, the focus was strictly on silver production, therefore cobalt was only mined as a by-product. Battery Mineral Resources has identified high-grade cobalt potential in parts of the Gowganda District, resulting in 95 square kilometers of property acquisition and staking.

Most cobalt production in the Gowganda Mining District was derived from 5-element high-grade silver veins hosted in Proterozoic Nipissing Diabase intrusions. McIlwaine (1978) describes the mineralization as follows:

*“Most of the known occurrences in the map-area are hosted by Nipissing Diabase and less commonly by Gowganda Formation and Early Precambrian metavolcanics. The mineralization is in vertical to steeply dipping calcite and quartz-calcite veins. The veins are narrow, ranging from fractures to 1 m (3 feet); they occur as single veins or more commonly as bifurcating or multiple branching vein systems.*

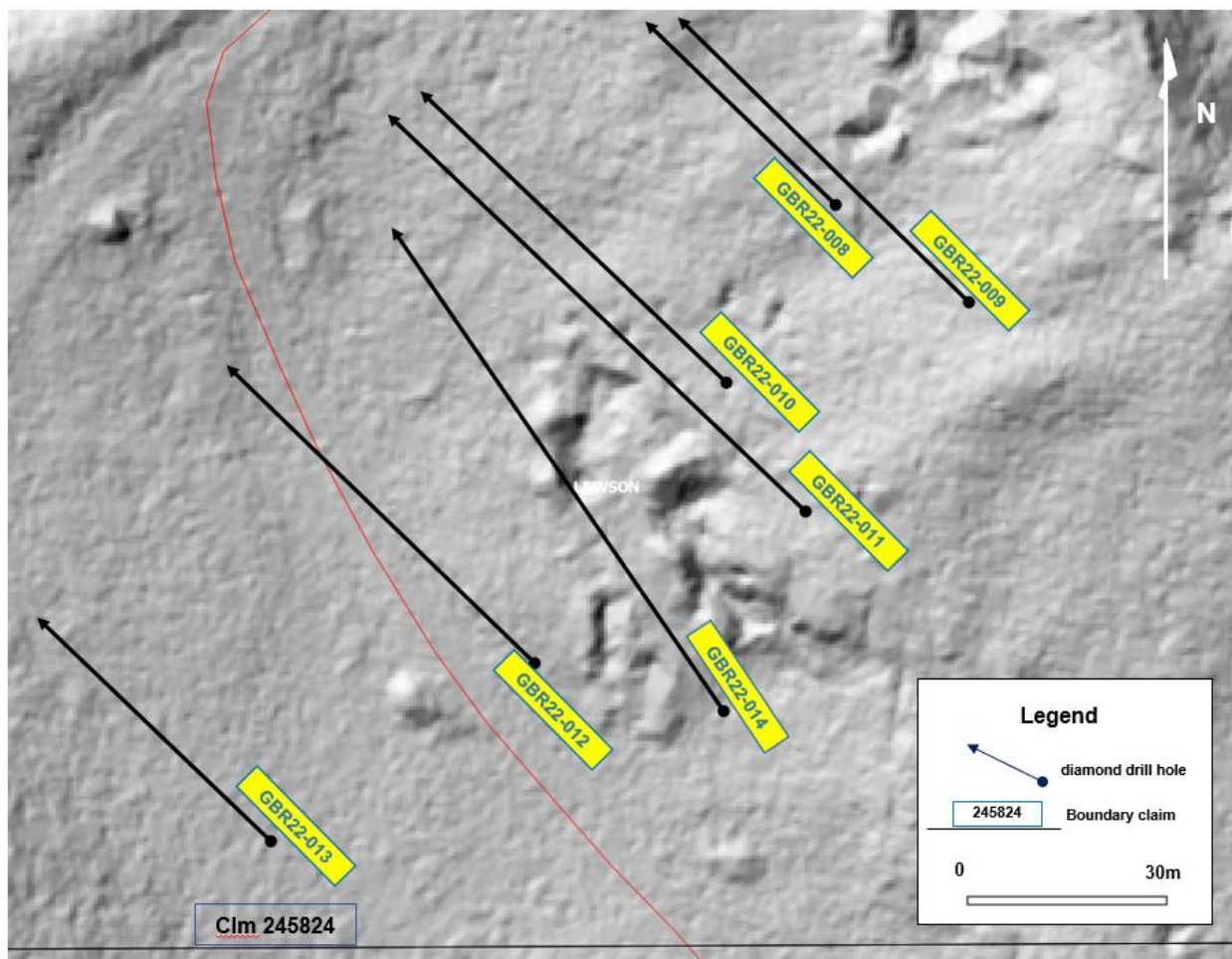
*Mineralized veins in the Miller Lake area are located in the top half of the Miller Lake diabase basin with the most productive veins occurring in the western margin. Petruk (1971a) states the ore veins occur at right angles to the contact between the diabase and metavolcanics, in joints, both planar and cylindroidal, and in faults crosscutting the cylindroidal joints. Orebodies are most common at vein intersections; both veins may or may not have ore but the ore zones may be at different horizons (Petruk 1971a, p.102). Petruk (1971a) suggests the average size of an ore vein is 2.5 to 5 cm (1 to 2 inches) wide with horizontal and vertical dimensions of 30 to 60 m (100 to 200 feet).”*



### 3.0 DIAMOND DRILLING PROGRAM

#### 3.1 OVERVIEW

During February 2022, a diamond drill program of 7 holes totalling 714.0m was completed on the Gowganda property. The program was designed to test for the continuity and strike extent of the known mineralization to the southwest of the historic workings at Bald Rock, also known as the LaCarte showing (Figure 4). Previously, the outcrop around an old pit and open cut had been stripped and channel sampled which yielded silver assays to 51.6 g/t Ag and Co values over 1% including one channel of 2.05m returning 4.19 g/t Ag, >0.3% Co, and 1.13% Cu. The veining and alteration of the mineralized horizon is up to 10.0m in width according to the detailed mapping by Collins (2011).



***Figure 4. Map displaying general drill hole locations on a LiDAR base.***

### 3.2 PLANS & PERMITS

The drilling was conducted under work permit # PR-20-000330 on boundary claim 245824.

### 3.3 DRILLING

Battery Mineral Resources Ltd. (BMR) undertook a diamond drilling campaign on the Gowganda Project, Bald Rock property between February 2 and 21, 2022, comprising 7 holes aggregating 714m. The drilling was completed by G4 Drilling (G4) of Val-d'Or, Quebec, with project supervision provided by F Ploeger and P Doyle of Battery Mineral Resources Corp. (BMR). The core was logged at the CXS facility in Larder Lake by BMR geologists Sean Hicks and Kajal Makwana and then quick logged/ checked by F Ploeger before being sampled and processed. Collar data for the holes is summarized in Table 3 while the drill hole metadata and complete text logs are given in Appendix 2 & 3.

Bald Rock 2022 Drilling						
Hole ID	East	North	Azim	Dip	Length	# samples
GBR22008	529375	5272485	316.6	-44.0	87	37
GBR22009	529404	5272460	314.1	-44.7	117	48
GBR22010	529360	5272462	319.9	-45.4	93	44
GBR22011	529374	5272440	315.1	-44.7	120	47
GBR22012	529331	5272435	316.3	-44.6	93	16
GBR22013	529296	5272385	315.6	-46.0	69	0
GBR22014	529343	5272406	326.3	-50.1	135	43
					714	235

*Table 3. Diamond drill hole collar data.*

### 3.4 RESULTS

Holes GBR22008 to GBR22011 were designed to test the southerly continuity of the alteration and vein zone that was uncovered in the surface stripping around the historic pit/ open cut and tested by 2021 BMR drill holes GBR21001- 005. Single holes GBR22012 and 013 were drilled further southwest along the projected strike of the zone. However, when it was discovered that hole 013 collared in sediments, hole GBR22014 was added to the program in an attempt to locate the vein zone that appears to have been truncated by a structure (cross fault?).

Significant assays from the 2022 drill program are summarized in Table 4. A complete listing of the ALS assay certificates and assay results are provided in Appendix 4 and 5. Appendix 6 includes the cross sections for all the drill holes.

Hole ID	From (m)	To (m)	width (m)	silver Ag (g/t)	cobalt Co (%)	copper Cu (%)
GBR22008	14.50	15.00	0.50	0.29	112	1045
GBR22008	15.00	15.50	0.50	2.73	698	894
GBR22008	15.50	16.10	0.60	0.31	60	344
GBR22008	16.10	17.00	0.90	0.48	105	744
GBR22008	17.00	17.50	0.50	0.61	65	470
GBR22008	17.50	18.25	0.75	0.74	95	905
GBR22008	18.25	18.75	0.50	2.24	308	5720
GBR22008	41.10	41.60	0.50	0.17	184	287
GBR22008	63.15	63.65	0.50	4.20	39	2410
GBR22008	70.00	71.00	1.00	0.11	102	105
GBR22008	71.00	72.00	1.00	0.10	107	72
GBR22008	72.00	73.00	1.00	0.97	125	2560
GBR22008	73.00	74.00	1.00	0.13	20	2090
GBR22008	74.00	75.00	1.00	1.32	50	360
GBR22008	75.00	76.00	1.00	0.24	22	1885
GBR22008	76.00	77.00	1.00	0.48	9	1070
OR	14.50	18.75	4.25	0.97	187	1322
GBR22009	47.00	48.00	1.00	0.35	122	662
GBR22009	54.75	55.25	0.50	1.72	491	5170
GBR22009	56.50	57.00	0.50	0.66	246	1700
GBR22009	57.00	57.50	0.50	0.31	76	1130
GBR22009	108.75	109.25	0.50	0.49	126	1560
GBR22010	12.25	13.25	1.00	0.66	179	2950
GBR22010	15.50	16.50	1.00	1.31	332	6460
GBR22010	21.40	21.90	0.50	0.84	198	1155
GBR22010	23.15	23.65	0.50	0.32	338	77
GBR22010	30.80	31.30	0.50	12.05	570	46500
GBR22010	31.30	31.80	0.50	3.73	773	7320
GBR22010	31.80	32.50	0.70	16.50	881	50600
GBR22010	32.50	33.00	0.50	0.25	166	613
GBR22010	49.25	49.75	0.50	0.54	86	1065
OR	30.80	32.50	1.70	10.17	667	30752
GBR22011	21.00	21.75	0.75	0.51	226	698
GBR22011	21.75	22.25	0.50	0.85	164	360

GBR22011	36.25	36.75	0.50	0.61	350	1735
GBR22011	50.25	50.75	0.50	1.35	66	4200
GBR22011	55.60	56.15	0.55	26.40	1090	7670
GBR22011	56.15	57.00	0.85	0.23	98	462
GBR22011	57.00	57.50	0.50	12.40	248	31400
GBR22011	57.50	58.00	0.50	1.85	1010	2360
GBR22011	82.90	83.50	0.60	0.31	111	517
GBR22011	85.60	86.50	0.90	0.82	405	566
GBR22011	86.50	87.25	0.75	0.31	156	131
OR	55.60	58.00	2.40	9.10	547	8955
GBR22012	91.00	92.00	1.00	0.38	73	1495

GBR22014	10.00	10.50	0.50	5.65	38	3610
GBR22014	55.00	56.00	1.00	2.53	40	2010
GBR22014	56.00	57.00	1.00	2.57	71	3080

***Table 4. Summary of significant assay results from the 2022 Bald Rock drilling program.***

**GBR22008/ 009-** These holes were drilled as a fence between holes GBR21001/ 004 and GBR21005 to track the cobalt/ alteration zone southwestwards. Both holes were collared in Nipissing Diabase to 71.2 m and 109.9 m, respectively, encountering a faulted contact with the underlying sediments. Similar to the 2021 drilling, both holes returned anomalous Co assays (> 100ppm) at the faulted contact suggesting there may have been channeling of Co- bearing fluids along the contact.

Hole GBR22008 intersected anomalous Co mineralized zones at 14.5- 18.75m (averaging 187ppm Co and 1322ppm Cu over 4.25m), 41.10m (184ppm Co/ 0.5m) and 70.0m (112ppm Co/ 3.0m). The deeper hole, GBR22009, also cut several Co- enriched horizons at 47.0m, 54.75m, 56.5m, and 108.75m at 122ppm, 491ppm, 246ppm and 126ppm Co, respectively, most accompanied by copper values ranging up to 5170ppm Cu.

**GBR22010/ 011-** Holes GBR22010/ 011 were intended to continue following the cobalt/ alteration zone a further 30m along strike to the southwest. They also traversed faulted contacts between the Nipissing Diabase and Huronian sediments at 83.0m and 110.38m which were not mineralized with anomalous cobalt. There was, however, a significant intersection of 1.7m of 10.17g/t Ag, 667ppm Co and 30752ppm Cu between 30.80 and 32.50m in hole GBR22010. Additional intercepts of anomalous Co were also returned at 12.25m (179ppm/ 1.0m), 15.50m (332ppm/ 1.0m), 21.40m (198ppm/ 0.5m),

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and 23.15m (338ppm/ 0.5m) including Cu values to 6460ppm.

GBR22011 also intersected several significant intervals of Co mineralization, the widest from 55.60- 58.00m which averaged 547ppm Co, 9.10g/t Ag, and 8955ppm Cu. Anomalous Co was recorded over 1.25m from 21.0m of 201ppm Co, 0.5m from 36.25 of 350ppm Co, 0.6m from 82.9m of 111ppm Co, and 1.65m from 85.60m at 292ppm Co. Generally, there were no significant Ag or Cu values associated with these intercepts.

**GBR22012-** This was another step out of approximately 50m southwestwards of the GBR22010/ 011 fence. The first attempt at collaring in bedrock was abandoned in overburden when the rods stuck at 24m. The drill was moved ahead and the hole re-collared, intersecting bedrock at about 28m. The entire hole was relatively well broken/ fractured (low RQD) with negligible significant assays.

**GBR22013-** Hole GBR22013 was collared approximately 50m further southwest from hole GBR22012 as another step out along strike of the projected cobalt mineralized corridor. The hole was immediately stopped when the core was examined as it collared in the Huronian sediments. Also, there were 42m of overburden before entering solid rock. This suggests that the diabase along with the alteration zone hosting the cobalt mineralization was offset by a major cross fault. No samples from the hole were sent for assay.

**GBR22014-** GBR22014 was spotted in the field between the fence of GBR10/ 11 and GBR12 to try to help the interpretation of the offset on the hypothesized cross fault. It encountered several Ag- Cu rich vein zones up to 5.65g/t Ag and 3610ppm Cu over 0.5m, but no Co mineralization. The lower section of the hole from 114- 135m and particularly the interval straddling the diabase- sediment contact (127.4- 131.38m), was badly broken with major zones of ground/ lost core.

### 3.5 SUMMARY & RECOMMENDATIONS

#### Summary

The Gowganda Mining District is one of the most prolific historic silver and cobalt districts in Canada, with estimated historic production (1910-1969) of 60 million ounces of silver and 1.3 million pounds of cobalt.

Battery Mineral Resources Ltd. (BMR) undertook an initial diamond drilling campaign on the Gowganda Project, Bald Rock property in June 2021, comprising 7 holes aggregating 687.65m. The holes were designed to test the continuity of the alteration and vein zone that was uncovered in the surface stripping around the historic pit and open cut, the projected intersections of the Bald Rock Shaft, Middle Trench, and the stripped Main vein zones. The 2022 program (February 2- 21) targeted the on- strike extension



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of the mineralized corridor of the Main vein to the southwest.

The first two fences of holes (GBR22008/ 009 and GBR22010/ 011) all intersected multiple zones assaying anomalous Co values along strike of the mineralized corridor including : 187ppm Co and 1322ppm Cu over 4.25m from 14.5m in GBR22008 and 1.7m of 10.17g/t Ag, 667ppm Co and 30752ppm Cu between 30.80 and 32.50m in hole GBR22010. However, holes GBR22012/ 013 were caught up in an interpreted cross fault and did not intersect any significant Co or Ag mineralization. As a result, hole GBR22014 was spotted between GBR010/ 011 and GBR012 to aid in the interpretation of the faulting. Two narrow zones of Ag- Cu mineralization which may represent the extension of the main vein corridor, were cut at 10.0m and 55.0m

Also noteworthy, are the consistent anomalous Co values occurring at the Nipissing Diabase- Huronian Sediment contact which commonly was logged as faulted. This implies that there was possible hydrothermal fluid channeling along the base of the diabase. Although the drill results to date are limited, it appears that the contact between the Nipissing Diabase and underlying Huronian sediments is faulted/ structural although the logs indicate that the diabase becomes progressively finer grained and chilled towards the actual contact in each drill hole. This implies that the fault was superimposed along the natural diabase intrusive- sediment interface which acted as a path of least resistance for the faulting, and, subsequently, acted as a conduit for hydrothermal or connate fluids.

From the 2021 drilling, the pattern generated by the magsus readings appears to have a direct relationship between the intensity of the alteration associated with the veining in the diabase and the drop in magnetic readings, beginning at the Nipissing Diabase- Huronian sediment contact and ending at the alteration/ vein corridor as mapped on the stripped surface showing. This defines a 50m wide zone of possible magnetite destruction within the alteration corridor with channeling, and associated Co- rich veining, in areas of the lowest magsus. There appears to be a decrease in the magsus of the diabase in the 2022 drilling suggesting perhaps that the alteration intensity (and Co values) becomes less prominent along strike to the southwest.

## Recommendations

The first four holes of the 2022 drilling (GBR22008/ 009/ 010 /011), targeting the southwest extension of the main Bald Rock mineralized corridor, intersected anomalous cobalt values associated with the strong alteration of the main vein zone. Cobalt values were also encountered at the faulted basal contact of the Nipissing Diabase with the underlying Huronian sediments. Holes GBR22012/ 013 were intended to test the continuation of the main zone further to the southwest but encountered a suspected major cross fault structure which appears to have offset the main zone. Subsequently, hole GBR22014 was spotted in the field between the fence of GBR10/ 11 and GBR12 to try to pinpoint the fault's location and attempt to solve the offset on the hypothesized

cross fault.

It is recommended that:

- 1) A detailed magnetometer survey be conducted over the projected extensions of the main Bald Rock showing towards the projected junction of the Bald Rock, Middle Trench and Shaft vein zones to determine if the low magnetic signature of the alteration horizon can be traced along strike to the northeast. The survey should also be extended to the southwest and widened to try to resolve the nature of the offset of the mineralized corridor by the cross fault to the west;
- 2) Pending the results of the mag survey, re- evaluate the area of the triple junction and plan a series of drill holes to avoid “diking out” in the late Sudbury diabase intrusive;
- 3) Following the mag survey, the interpreted offset of the main zone be targeted with a series of drill holes to the southwest;
- 4) Infill drilling under the 2021 holes GBR21001- 004 be conducted to extend the known mineralization to depth and further test the diabase- sediment contact;
- 5) Map the stripped area around the shaft and plan a short drill program to test the depth and strike potential of the Shaft zone;
- 6) Compile all the drilling and historical data into a 3-D model to identify possible additional drill targets.

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**5.0 QUALIFICATIONS****CERTIFICATE OF QUALIFICATION AND CONSENT**

***I, Peter James Doyle of the city of Richmond Hill, Province of Ontario, do hereby certify:***

- 1) That I am an Exploration Geologist and reside at 79 Naughton Drive, Richmond Hill Ontario, L4C8B2.
- 2) That I graduated from Laurentian University at Sudbury, Ontario with an Honours Bachelor of Science degree in 1980.
- 3) That I am a **Fellow in good standing of the Australian Institute of Mining & Metallurgy (AUSIMM # 208850) as well as a member in good standing of Geological Association of Canada (GAC F0146); Canadian Institute of Mining & Metallurgy (CIMM # 91602); Prospectors & Developers Association of Canada (PDAC # 707); Society for Geology Applied to Mineral Deposits (SGA# 1333-08) and Society of Economic Geologists (SEG # 216720).**
- 4) That I have practiced my profession in various roles as a Mineral Exploration Geologist, Exploration Manager and Vice President of Exploration for a period of about 39 years principally within Canada & Australia as well as globally in United States of America, Mexico, Indonesia, China, Mongolia, Brazil, Argentina, and Guyana.
- 5) This document is based on information various public documents and my personal observations during visits to the property during the exploration program.

*Although the information supplied to me is believed to be accurate and all reasonable care has been taken in the completion of this report, I hereby disclaim any and all liability arising out of its use and circulation. While I stand behind my interpretations, I cannot guarantee the accuracy of the source information and the use of this report or any part thereof shall be at the user's sole risk.*

6) I am currently employed full time as Vice President Exploration – Canada for Battery Mineral Resources Corp and was directly involved in the planning and execution of the exploration program documented in this report.

7) *My written permission is required for the release of any summary or excerpt.*

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Peter J. Doyle

Richmond Hill, Ontario, April 21, 2022

**CERTIFICATE OF QUALIFICATION AND CONSENT**

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***I, Frank Rainer Ploeger of the town of Virginiatown, Province of Ontario, do hereby certify:***

- 1) That I am a Consulting Geologist and reside at 21 Waite Avenue, Virginiatown, Ontario, P0K 1X0.
- 2) That I graduated from Queen's University at Kingston, Ontario with a Bachelor of Applied Science degree in 1973; and, that I completed 2 years of an MSc program at McMaster University in Hamilton, Ontario (1980- 1982).
- 3) That I am a **member in good standing of the Association of Geoscientists of Ontario (#479), the Geological Association of Canada, the Prospectors and Developers Association, and the Northern Prospectors Association**. I have received a restricted permit (#2153) to practice in Quebec from the Ordre des geologues du Quebec.
- 4) That I have practiced my profession as a mineral exploration and mine geologist for a period of about 45 years.
- 5) I am currently employed full time as Exploration Manager for Battery Mineral Resources Corp. and was directly involved in the planning and execution of the exploration program documented in this report. This document is based on information from various public sources and my personal observations during visits to the property.

*Although the information supplied to me is believed to be accurate and all reasonable care has been taken in the completion of this report, I hereby disclaim any and all liability arising out of its use and circulation. While I stand behind my interpretations, I cannot guarantee the accuracy of the source information and the use of this report or any part thereof shall be at the user's sole risk*

- 6) I have no interest, either directly or indirectly, in the subject property or client company.
- 7) *My written permission is required for the release of any summary or excerpt.*

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Frank R. Ploeger

Virginiatown, Ontario, April 21, 2022

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**6.0 INSTRUMENT SPECIFICATIONS**

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**Trimble GeoXT<sup>1</sup>****STANDARD FEATURES**System

- Windows Mobile 6.1 (Classic edition)
- VGA display (480 x 640), sunlight-readable color touch screen
- Integrated Bluetooth 1.2 wireless technology
- Integrated 802.11b/g wireless LAN
- Ergonomic cable-free handheld
- Rugged and water-resistant design
- All-day internally rechargeable Li-ion battery
- Marvell 520 MHz XScale processor
- 128 MB RAM
- 1 GB non-volatile Flash data storage
- Sealed SD/SDHC card slot
- Integrated speaker and microphone

GPS

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<sup>1</sup> Trimble instrument information available from:  
<https://seafloorsystems.com/support/brochures/trimble-docs/43-trimble-geoxt-handheld-gps-receiver/file>

- Integrated high-performance GPS/SBAS1 receiver and L1 antenna
- Submeter real-time or 50 cm postprocessed accuracy
- RTCM and CMR real-time correction support
- TSIP and NMEA protocol support
- EVEREST multipath rejection technology

### Standard Software

- GPS Controller for control of integrated GPS and in-field mission planning
- GPS Connector for connecting integrated GPS to external ports
- Microsoft Office Mobile
- Transcriber (handwriting recognition)

### Standard Accessories

- Support module
- AC Power supply with International adapter kit
- USB data cable
- Stylus (x2)
- Screen protectors (2-pack)
- Quick Start Guide
- Getting Started CD
- Hand strap
- Pouch

## **OPTIONAL FEATURES**

### Optional Software

- Terra Sync software
- Trimble GPS correct extension for ESRI ArcPad software
- GPS Pathfinder Tools Software Development Kit (SDK)
- GPS Pathfinder Office software
- Trimble GPS Analyst™ extension for ESRI ArcGIS Desktop software
- TrimPix™ Pro system

### Optional Accessories

- TDL 3G cellular modem accessory
- Power/serial clip (9-pin RS-232 serial connector and power input)
- Vehicle power adaptor
- Null modem cable
- Backpack kit
- Hard carry case
- Tempest™ antenna
- External patch antenna

- Pole-mountable ground plane
- Baseball cap with patch antenna pocket
- 2 meter range pole
- Range pole bracket
- Geo Beacon receiver
- Anti-glare screen protectors (2-pack)

## TECHNICAL SPECIFICATIONS

### Physical

Size ..... 21.5 cm x 9.9 cm x 7.7 cm (8.5 in x 3.9 in x 3.0 in)  
Weight ..... 0.80 kg (1.76 lbs) with battery  
Processor ..... 520 MHz Marvell PXA-270 XScale processor  
Memory ..... 128 MB RAM and 1 GB internal Flash storage  
Battery ..... Internal 7500 mAh lithium-ion  
27.8 Watt-hours, rechargeable in unit

### Power usage

Low (no GPS or backlight) ..... 1.8 Watts  
Normal (with GPS and backlight<sup>3</sup>) ..... 2.6 Watts  
High (with GPS, backlight<sup>3</sup>, Bluetooth, and wireless LAN)<sup>4</sup> ..... 3.7 Watts

### Environmental

Operating temperature ..... -20 °C to +60 °C (-4 °F to 140 °F)  
Storage temperature ..... -30 °C to +70 °C (-22 °F to 158 °F)  
Casing ..... Dust-proof and resistant to heavy wind-driven rain per IP 65 standard  
Slip-resistant grip, shock and vibration resistant  
Drop ..... 1.2 m (4 ft) MIL-STD-810F, Method 516.5, Procedure IV

### Input/Output

Expansion ..... SD card slot (SD or SDHC storage cards)  
Display ..... 8.9 cm (3.5 in) VGA (480 x 640 pixel) TFT, 16-bit (65,536) colors  
LED back light  
Interface ..... Touch screen, 10 hardware control keys, power status LED  
Audio system events, warnings, and notifications  
Soft Input Panel (SIP) virtual keyboard and handwriting recognition software  
Audio ..... Microphone and speaker, record and playback utilities  
I/O ..... USB 1.1 client via support module  
Serial via optional 9-pin RS-232 power/serial clip adaptor  
Radios<sup>5</sup> ..... Bluetooth 1.2, Wireless LAN 802.11b/g



GPS

Channels .....	14 (12 L1 code and carrier, 2 SBAS)
Integrated real-time .....	SBAS <sup>1</sup> (dual-channel tracking)
Update rate .....	1 Hz
Time to first fix .....	30 seconds (typical)
Protocols	
Data output .....	TSIP, NMEA-0183 v3.0 (GGA, VTG, GLL, GSA, ZDA, GSV, RMC)
Real-time corrections .....	RTCM 2.x, RTCM 3.0, CMR, CMR+

Accuracy (HRMS)<sup>6</sup> after differential correction

Code postprocessed .....	50 cm
Carrier postprocessed <sup>7</sup>	
With 10 minutes tracking satellites.....	20 cm
With 20 minutes tracking satellites.....	10 cm
With 45 minutes tracking satellites .....	1 cm
Real-time (SBAS <sup>1</sup> or external correction source) .....	Submeter

- 1 SBAS (Satellite Based Augmentation System). Includes WAAS available in North America only, EGNOS available in Europe only, and MSAS available in Japan only.
- 2 Power/serial clip also required.
- 3 With backlight at default setting (50% brightness).
- 4 Power draw will vary depending on radio usage.
- 5 Bluetooth and wireless LAN type approvals are country specific. GeoExplorer 2008 series handhelds have Bluetooth and wireless LAN approval in the U.S. and in most European countries. For further information please consult your local reseller.
- 6 Horizontal Root Mean Squared accuracy, 1-sigma (68%). Except in conditions where most GPS signals are affected by trees, or buildings, or other objects. Except when using VRS corrections, accuracy varies with proximity to base station by +1 ppm for code postprocessing and real-time.
- 7 Postprocessed carrier accuracy varies with proximity to base station by +2 ppm. 45 minute carrier capability applies only to the GPS Pathfinder Office software and is limited to 10km from the base station.

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## 7.0 APPENDIX

**APPENDIX 1:** Mining Claims Cell List

**APPENDIX 2:** Drill Hole Metadata

**APPENDIX 3:** Drill Hole Text Logs

**APPENDIX 4:** Certificates of Analyses

**APPENDIX 5:** Assay Data

**APPENDIX 6:** Cross Section Graphic Logs and Assays















166809	Gowanda	41P10393	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	1.69	HAULTAIN,NICOL	\$	200	\$	600	\$	-	\$	24	\$	24
166868	Gowanda	41P10250	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	21.73	HAULTAIN	\$	400	\$	1,200	\$	-	\$	50	\$	50
166869	Gowanda	41P10270	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	12.56	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
167024	Gowanda	41P10307	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	12.87	HAULTAIN	\$	200	\$	600	\$	-	\$	24	\$	24
185997	Gowanda	41P10367	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	2.13	HAULTAIN	\$	200	\$	600	\$	-	\$	23	\$	23
195305	Gowanda	41P10370	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	11.87	HAULTAIN	\$	200	\$	600	\$	-	\$	23	\$	23
195621	Gowanda	41P10289	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	0.61	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
196103	Gowanda	41P10373	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	2.23	HAULTAIN	\$	200	\$	600	\$	-	\$	23	\$	23
197611	Gowanda	41P10326	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	10.03	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
205562	Gowanda	41P10366	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	11.07	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
213810	Gowanda	41P10390	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	9.78	HAULTAIN,NICOL	\$	200	\$	600	\$	-	\$	20	\$	20
214648	Gowanda	41P10351	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	1.76	HAULTAIN	\$	200	\$	600	\$	-	\$	23	\$	23
214810	Gowanda	41P10268	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	4.93	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
216163	Gowanda	41P10350	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	0.90	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
222811	Gowanda	41P10391	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	13.90	HAULTAIN,NICOL	\$	200	\$	600	\$	-	\$	30	\$	30
224268	Gowanda	41P10325	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	15.49	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
246011	Gowanda	41P10308	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	2.50	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
246012	Gowanda	41P10328	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	4.12	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
262273	Gowanda	41P10290	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	0.36	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
262395	Gowanda	41P10345	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	1.36	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
270923	Gowanda	41P10305	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	2.76	HAULTAIN	\$	200	\$	600	\$	-	\$	30	\$	30
281807	Gowanda	41P10348	BCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	4.02	HAULTAIN	\$	200	\$	600	\$	-	\$	23	\$	23
282229	Gowanda	41P10269	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	21.73	HAULTAIN	\$	400	\$	1,200	\$	-	\$	1,105	\$	1,105
289668	Gowanda	41P10327	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	21.74	HAULTAIN	\$	400	\$	1,200	\$	-	\$	50	\$	50
317206	Gowanda	41P10371	SCMC	Active	2022-10-31	2022-10-31	2022-05-31	(100) BATTERY MINERAL RESOURCES LIMITED	21.74	HAULTAIN	\$	400	\$	1,200	\$	-	\$	50	\$	50
563227	Gowanda	41P10218	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.76	NICOL	\$	400	\$	420	\$	-	\$	-	\$	-
563228	Gowanda	41P10219	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.76	NICOL	\$	400	\$	446	\$	-	\$	-	\$	-
563229	Gowanda	41P10238	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	411	\$	-	\$	-	\$	-
563230	Gowanda	41P10239	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	468	\$	-	\$	-	\$	-
563231	Gowanda	41P10240	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	571	\$	-	\$	-	\$	-
563232	Gowanda	41P10258	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	671	\$	-	\$	-	\$	-
563233	Gowanda	41P10259	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	437	\$	-	\$	-	\$	-
563234	Gowanda	41P10260	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	500	\$	-	\$	-	\$	-
563235	Gowanda	41P10278	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	506	\$	-	\$	-	\$	-
563236	Gowanda	41P10279	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	400	\$	-	\$	-	\$	-
921								14,558.57			\$	278,400					\$	135,842		

Hole ID	mEasting Datum: UTM NAD 83,	nNorthing	Elevation (m)	Azimuth	Dip	Depth (m)	Drill Core Diameter	Cell Number (Provincial Grid)	Mining Claim Number	Drilling Start Date	Drilling End Date	Drilling Contractor	Storage	Overburden Thickness (m)	Casing	Cap Method	Abandon ed	Artesion Conditions	Log Start Date	Log Completion	Log Author
GBR22008	529374.80	5272484.83	369.255	316.61	-43.96	87	NQ	41P10H283	245824	2022-02-05	2022-02-07	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK1X0	10.18	Left in Place	Metal Collar Cap	No	No	2022-02-07	2022-02-08	S.Hicks/K.Makwana
GBR22009	529404.485	5272460.08	377.003	314.14	-44.73	117	NQ	41P10H283	245824	2022-02-07	2022-02-09	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK1X0	9.19	Left in Place	Metal Collar Cap	No	No	2022-02-09	2022-02-11	S.Hicks/K.Makwana
GBR22010	529359.883	5272462.47	366.935	319.88	-45.42	93	NQ	41P10H283	245824	2022-02-09	2022-02-10	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK1X0	6.9	Left in Place	Metal Collar Cap	No	No	2022-02-11	2022-02-12	S.Hicks/K.Makwana
GBR22011	529374.21	5272440.44	369.787	315.05	-44.68	120	NQ	41P10H283	245824	2022-02-10	2022-02-12	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK1X0	6.56	Left in Place	Metal Collar Cap	No	No	2022-02-13	2022-02-15	S.Hicks/K.Makwana
GBR22012	529331.036	5272435.36	361.866	315	-45	93	NQ	41P10H283	245824	2022-02-14	2022-02-16	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK1X0	28	Left in Place	Metal Collar Cap	No	No	2022-03-02	2022-03-02	S.Hicks/K.Makwana
GBR22013	529296.247	5272384.58	359.96	315.64	-45.99	69	NQ	41P10H283	245824	2022-02-16	2022-02-17	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK1X0	42.15	Left in Place	Metal Collar Cap	No	No	2022-03-02	2022-03-02	S.Hicks/K.Makwana
GBR22014	529343.1	5272405.67	360.348	26.26	-50.14	135	NQ	41P10H283	245824	2022-02-14	2022-02-16	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK1X0	8.5	Left in Place	Metal Collar Cap	No	No	2022-02-28	2022-03-01	S.Hicks/K.Makwana







GBR22010	83.84	93	9.16	Sar arenite Oou overburden general	L	Pink Orange	mca	bedded/ reddish general	Arkosic Quartz Arenite: light to medium pink orange, medium to coarse grained and bedded (40-50 DTC) which is often cryptic but accentuated by sharp changes in grain size. Unit is non-magnetic, hard, siliceous and fairly broken to blocky until ~95m. Weak to moderate pervasive bright orange alteration (Fe/K) near upper contact (possibly throughout) with localized chlorite alteration observed along slip surfaces. Trace fracture controlled pyrr/cpy throughout with a half meter of dark grey alteration paired with minor calcite alteration appears to be emanating from fractures (altere veins) which has medium grained blebbly py and anomalous Co and Ni (86.62m; XRF: 0.08% Ni, 0.04% Co, 86.91m; XRF: 0.04% Co). This 8mm calcite veinlet with significant spec. hem (87.42m @ 20 DTC) and a 3-4cm altered calcite vein at 88.12m with an UC @ 20 DTC and a LC @ 70 DTC. EOH.	massive	potassic	wk mod	chlorite alteration	v wk	cp	0.1										
GBR22011	6.56	21.14	14.58	Dia Dabase	M	Pink Grey	mca	massive	Nipissing Dabase: medium to dark, pink grey, medium to coarse grained, massive and equigranular. Unit is weak to moderately magnetic with visible fine grained disseminated mg. Unit is hard and competent but quite blocky throughout and becoming increasingly blocky to broken towards lower contact with multiple fractures observed that are subparallel to core axis (~5 DTC). Moderate pervasive pink red alteration staining feldspars (Fe/K) throughout unit, pervasive rusty hematite alteration/leaching observed as orange brown rusty coatings along fractures. Very trace fracture controlled pyrr/cpy with very trace localized disseminated py which may also be associated with fractures. Thin 1cm vuggy and strongly weathared calcite vein with rusty sulphides, likely py (17.28m @ 20 DTC). Lower contact is broken and calcite.	massive	hematite alteration	mod str	potassic	wk mod	chlorite alteration	v wk	vcb	0.1								
GBR22011	21.14	22.23	1.09	Coz Cobalt Zone	M	Pink Grey	mca	blocky	Cobalt Zone: half meter of competent, pink altered medium to coarse grained, non-magnetic, diabase bounded by two 20-30cm intervals of blocky to broken core with significant calcite-chlorite-rich healed fractures with trace cpy and anomalous Co (i.e. 22.03m; XRF: 1.32% Cu, 0.02% Co). These fractures are sporadic and slip off each other but appear to be subparallel to core axis (5-15 DTC). Towards the lower contact is a 3cm weakly brecciated qtz-carb vein with pinkish white calcite but no visible sulphides (22.16m @ 60 DTC). Lower contact is delineated by a 1cm qtz-carb vein which is perpendicular to core axis (90 DTC).	vein/vein	ne	potassic	wk mod	chlorite alteration	wk	cp	0.1	cp	0.1	voc	0.1					
GBR22011	22.23	36.37	14.14	Dia Dabase	M	Pink Grey	mca	massive	Nipissing Dabase: medium pink grey with a lighter more pink interval (27-30m), medium to coarse grained, massive and equigranular. Unit is non-magnetic at upper contact but becomes weak to moderately magnetic abruptly at 23.9m. Unit is hard and competent and only slightly blocky throughout. Weak to moderate pervasive pink alteration/staining of feldspars throughout, very weak localized chlorite alteration observed along slip surfaces and in healed fractures. Very trace fracture controlled pyrr/cpy. One 1-2cm calcite veinlet which has almost entirely been replaced by spec. hem with minor blebbly cpy (33.91m @ 55 DTC, XRF: 4.78% Cu). Lower contact is sharp at 60 DTC.	massive	potassic	wk mod	chlorite alteration	v wk	cp	0.1	he	0.1	vcb	0.1						
GBR22011	36.37	36.63	0.27	Vco Cobalt Vein	L	White	vfa	vein/vein	Cobalt Chalcopyrite-Specularite-Bearing Quartz Carbonate Veins: 3cm qtz-carb vein with minor spec. hem, and blebbly cpy. The vein is stained a dark/deep red colour has a 3cm alteration halo of semi-massive spec. hem. Along the lower vein margin, the next 20cm of the diabase contain multiple mm-scale (2-7mm) calcite-chloritic fractures/veinlets with significant spec. hem, blebbly cpy and anomalous Co (XRF: 0.24% Cu, 0.13% Co). The mineralized fractures/veinlets cross-cut and truncate each other and are observed to have various orientations from 15-60 DTC. Lower contact is delineated by a 1mm seam/fracture of cv at 30 DTC.	vein/vein	hematite	wk mod	chlorite alteration	wk	cp	0.1	cp	1	he	5	voc	5				
GBR22011	36.63	50.28	13.65	Dia Dabase	M	Grey	mca	massive	Nipissing Dabase: medium to dark grey with faint pinkish red hue, medium to coarse grained, massive and equigranular although texture varies throughout due to alteration. Unit is moderately magnetic up to ~41.3m where it becomes very weakly magnetic before gradually losing its magnetism ~43m and becoming moderately magnetic again ~44.2m before becoming very strongly magnetic at 46m. Unit is hard and competent with a blocky to broken interval from 43-44m. Weak pervasive pinkish alteration of feldspars throughout (Fe/K), weak localized chlorite alteration observed along slip surfaces, localized weak pervasive sericite alteration observed as very fine grained white specks (i.e. 43-45m), alteration which appears to coincide with a loss of magnetism. The diabase has a fine grained appearance as it overprints the equigranular texture up to ~45m followed by a strongly magnetic dark grey blocky interval where diabase appears to be foliated (46.1-46.62m @ 20 DTC), following this interval the diabase becomes much coarser grained. Trace fracture controlled and vein associated cpyrr/cpy throughout. Significant healed calcite fractures up to ~45m often with blebbly cpy (i.e. 37.74m; XRF: 1.91% Cu). With several cm-scale qtz-carb veins throughout which appear barren (40.89m ± 25 DTC, XRF: 44.75% @ 70 DTC). Lower contact is sharp @ 60 DTC.	massive	potassic	wk mod	chlorite alteration	v wk	sericite alteration	wk	cp	0.1	vcb	0.1	vqc	0.1				
GBR22011	50.28	50.53	0.25	Vqz Quartz Carbonate Vein	L	White	vfa	ne	Chalcopyrite-Specularite-Bearing Quartz Carbonate Veins: two parallel calcite to qtz-carb veins. The first, which delineates the upper contact is a 6cm calcite vein which appears to be almost completely replaced by spec. hem. (70%) with significant medium grained blebbly cpy (5%) and cuts the unit at 60 DTC (XRF: 8.43% Cu). The second parallel vein is 3cm downhole, it is 13cm calcite-rich qtz-carb vein with 2-3cm of semi-massive spec. hem. along the upper vein margin and in fractures in vein (53% with significant blebbly cpy (10-15%) (XRF: 1.33% Cu). Lower contact is sharp @ 65 DTC.	vein/vein	ne	he	30	cp	15											
GBR22011	50.53	53.31	2.78	Dia Dabase	M	Grey	me	massive	Nipissing Dabase: medium grey, medium grained, massive, equigranular and moderately magnetic. Unit is hard and competent with a slightly blocky interval from 51.3-52m. Weak localized chlorite alteration. Lower contact is sharp @ 65 DTC.	massive	alteration	v wk														
GBR22011	53.31	57.74	4.43	Coz Cobalt Zone	L	White	vfa	ne	Cobalt Zone: 4.5 meter zone of increased veining which all yield anomalous Co. The Nipissing Dabase host rock throughout this unit is medium grey, medium to coarse grained, massive, equigranular and moderately magnetic with some localized non-magnetic alteration halos. The veining observed varied in size and style but all appear to be qtz-carb veins; 1cm foliated/shaded calcite veinlet with chloritic seams and medium grained subparallel to blebbly cpy with anomalous Co (53.55m @ 65 DTC, XRF: 1.3% Cu, 0.27% Co). 17cm qtz-carb vein with minor blebbly cpy (2-3%) trace sp-gsh and anomalous Ag and Co (55.76m @ 45 DTC, XRF: 2.44% Cu, 1.29% Pb, 0.95% Zn, 0.23% Co with 65g/t Ag). This vein also has very coarse grained, very hard blocky, mineral (hourglass) towards upper contact, significant epidote throughout and diffuse vein margins with a 20-30cm non-magnetic epidote-calcite-rich alteration halos with trace blebbly cpy with anomalous Cu (i.e. 55.57; XRF: 1.13% Cu, 0.27% Co). 15cm qtz-carb vein with a 2-3mm seam of semi-massive spec. hem, minor blebbly cpy and anomalous Co (56.65m @ 60 DTC, XRF: 0.99% Cu, 0.04% Co). ~30cm qtz-carb vein with significant blebbly to semi-massive cpy (25-30%) with significant spec. hem. observed at vein upper margin and anomalous Co throughout (57m @ 60 DTC, 13.92% Cu, 0.05% Co). The vein has diffuse altered non-sharp contacts with 5-10cm top-calcite rich non-magnetic alteration halos; 8cm qtz-carb vein with trace blebbly cpy at upper vein margin and anomalous Co and Ni along lower vein margin (58.7m @ 75 DTC, XRF: 5.23% Cu, 0.83% Co, 0.21% Ni). Lower contact is sharp @ 75 DTC.	vein/vein	epidote	mod	alteration	mod	sv	0.1	cp	0.1	cp	2	voc	20				
GBR22011	57.74	82.03	24.29	Dia Dabase	M	Green Grey	mca	massive	Nipissing Dabase: medium grey to green grey, medium to coarse grained, massive, equigranular and weak to moderately magnetic. Unit is hard and competent with several short blocky to broken intervals (i.e. 70.2m, 70.6m where 40cm of core is lost, 73.3-74m). Weak pervasive chlorite alteration giving a faint greenish hue and observed along slip surfaces often with minor calcite. Lower contact was arbitrarily assigned at 82.03m where increased veining begins.	massive	chlorite alteration	wk	alteration	v wk												
GBR22011	82.03	86.93	4.91	Vqz Quartz Carbonate Vein	L	White	vfa	ne	Veined Interval: 5m interval of increased veining (~30). Nipissing Dabase through the interval is medium grey-green, medium grained and equigranular. It is moderately magnetic up to ~95.2m where losses its magnetism up to 87m, this loss of magnetism is associated with moderate pervasive carbonate alteration which overprints the Nipissing's equigranular texture making it appear finer grained. Veins are predominantly qtz-carb and calcite veins with very minor sulphides and very trace anomalous Co in a couple localized veins; 2cm calcite vein with significant epidote in upper half and specularite in lower half (~10%) with minor fine to medium grained blebbly cpy (1-3%) (82.06m @ 65 DTC, XRF: 0.22% Cu); two thin cross-cutting calcite to qtz-carb veins at 82.97m with minor coarse grained blebbly cpy (5mm calcite vein barren @ 70 DTC, 1cm qtz-carb vein with cpy @ 50 DTC, XRF: 0.21% Cu); 2cm calcite vein with very coarse grained cpy and minor sph (83.3m @ 60 DTC, XRF: 2.59% Zn, 0.22% Cu); 8mm foliated/shaded qtz-carb veinlet with trace very fine grained sulphides (py-cpy) (85.01m @ 55 DTC); 8cm calcite vein with significant chl along vein margins (8cm lower margin), vein appears to be barren (85.68m @ 65 DTC); 8mm qtz-carb vein with trace blebbly cpy and anomalous Co (86.12m @ 90 DTC, XRF: 0.03% Cu); 1cm calcite vein which appears barren with only very trace cpy along lower vein margin but anomalous Co and Ni throughout (86.28m @ 55 DTC, XRF: 0.07% to 0.29% Co with 0.05% to 0.07% Ni); 1cm calcite vein with minor blebbly cpy delineates the lower contact (86.93m @ 70 DTC).	vein/vein	e	ne	alteration	mod	chlorite alteration	v wk	cp	0.1	cp	0.1	sp	0.1	vcb	5	vqc	0.1
GBR22011	86.93	110.38	23.45	Dia Dabase	M	Grey Green	mca	massive	Nipissing Dabase: medium grey to green grey, medium to coarse grained, massive, equigranular and weakly magnetic. Unit is hard but consistently blocky to broken throughout with some more broken intervals (i.e. 90.5-94m, 104-108m). Moderate pervasive chlorite alteration throughout giving unit a greenish hue with significant chl observed along slip surfaces and in healed fractures. Increase in healed chloritic fractures towards lower contact with minor mm-scale calcite veining from 108.5m to lower contact with one ~1cm vuggy calcite vein with pinkish red staining (110m @ 65 DTC). Unit begins to fine ~106m to a very fine grained chl margin at lower contact. Lower contact is sharp @ 70 DTC.	broken	chlorite alteration	mod	vcb	0.1												
GBR22011	110.38	110.5	0.13	Fault	M	Grey	fg	breccia	Fault/unconformity: 10cm fault/fault-like zone with sphenic medium brown altered angular fragments of the diabase which are often coated/rimmed by calcite leading to a mm-scale fault/slip with significant fault gouge/mod (70 DTC). Downhole from the fault/slip is a 2-3cm healed cataclastic with fine to medium grained subangular clasts/fragments and trace very fine grained cpy (XRF: 0.21% Cu). The unconformity with the underlying sediments is delineated by a thin 8mm qtz-carb veinlets with trace very fine grained sulphides (py/cpy) at 80 DTC.	rouge	chlorite alteration	wk mod	cp	0.1	vqc	0.1										
GBR22011	110.5	120	9.50	Sar arenite Oou overburden general	L	Pink Orange	mca	bedded/ reddish general	Arkosic Quartz Arenite: light to medium pink orange, medium to coarse grained, poorly sorted and bedded pebbly sandstones (30-40 DTC). Unit is non-magnetic, hard and very siliceous with short localized broken intervals (i.e. 115.5-117m, 117.5m). Unit is often but locally vuggy with pervasive red orange alteration (Fe/K) and pervasive black alteration along fractures slips (chl) with minor dark grey alteration (or lack of alteration) throughout but most prevalent between 114-117m where very minor mm-scale cov-beanite calcite veins are observed (113.75m). EOH.	unfoliate	d	potassic	mod str	chlorite alteration	v wk	cp	0.1	vcb	0.1							
GBR22012	28	35.41	7.41	Dia Dabase	M	Grey	mca	massive	Nipissing Dabase: medium grey, medium grained, massive and equigranular. Unit is moderately magnetic with visible fine grained disseminated mgt observed becoming weakly magnetic towards lower contact. Unit is blocky and broken to rubby throughout (30m zone). Very weak chlorite alteration observed along slip surfaces locally accompanied by minor carbonate. Unit is heavily fractured and broken up with numerous subparallel fractures (5-10 DTC) ranging up to 60 DTC, these fractures are often coated with or healed with chlorite/veinlets. Lower contact is defined by loss of units magnetism ~35.5m.	broken	chlorite alteration	v wk	alteration	v wk	carbonat e											
GBR22012	35.41	35.85	0.45	Vqz Quartz Carbonate Vein	L	Grey	vfa	vein/vein	Veined Interval: half-meter of minor qtz-carb veining (~5). Nipissing diabase through this interval is medium grey, medium grained, massive and equigranular but loses its magnetism. Minor mm- to cm-scale qtz-carb veins with minor epidote and possible very trace, very fine grained sulphides; 2cm calcite rich qtz-carb vein with minor ep (35.47m @ 45 DTC) which is truncated by a thin 5mm ep-bearing calcite veinlet (30 DTC), a shallow fracture (35.74m @ 20 DTC) with multiple 1-2cm qtz-carb blebs along the chlorite filled fracture; 1cm vuggy ep-bearing qtz-carb vein (35.84m @ 30 DTC). Lower contact is delineated by the above vein and is sharp @ 30 DTC. Adjacent diabase regains weak magnetism.	vein/vein	epidote	ne	alteration	wk	chlorite alteration	wk	vqc	0.1								

																				<p>Nipissing Diabase: medium grey, medium grained, massive and equigranular. Upper contact is weakly magnetic but gradually increases slightly ~3m where magnetism becomes patchy (weak to moderately). Unit is consistently blocky to broken throughout with numerous sporadically oriented healed chlorite-/ carbonate fractures (several meters of lost core, see RECOVERY tab). Weak pervasive chlorite alteration observed along slip surfaces and as fracture infilling, minor localized epidote alteration associated with thin mm-scale ep-calcite veinlets/stringers between 16.5-14.8m. Very trace, very fine grained fracture controlled pyrrhotite-cpy observed along slip surfaces and trace localized vein associated cpyr/ps associated with ep-calcite veinlets. Localized thin ep-calcite veinlets observed between 16.75-13.8m ranging from 40-50 DTCa with trace cpy (v.i. 37.15m @ 40 DTCa); 1-2cm cluster of thin ep-calcite stringers with trace cpy (37.6m @ 50 DTCa, XRF: 0.12% Cu); 10cm cluster of thin barren qtz/calcite stringers at 42.8m @ 60 DTCa. Unit begins to fine grainationally ~16m to very fine grained at lower contact (chilled margin). Lower contact is broken/ faulted at ~81.2m (estimated due to 3.5m lost core between 81.85m).</p>	<p>epidote alteration</p> <p>chlorite alteration</p> <p>carbonate e alteration</p> <p>cop</p>			0.1		vt	0.1							
GBR22012	35.85	81.2	45.35	Dia Diabase	M	Grey	mg	massive																										
																						<p>Arkosic Quartz Arenite: medium pink orange, fine to medium grained, poorly sorted with well defined bedding (50 DTCa) that is best observed with more drastic changes in bed grain sizes. Unit is non-magnetic, hard and very siliceous but consistently blocky to broken throughout. Possible pervasive potassic alteration giving unit the pink orange colour with a 1.5m interval of less orange and more grey coloured sediments (88.5-90m). In last 2m of unit significant sporadically oriented, mm-scale spec. hem. filled fractures are abundant. EDH.</p>	<p>weakly foliated</p> <p>potassic wk</p> <p>he</p>			0.1								
GBR22012	81.2	93	11.80	Sar arenite	M	Pink Orange	mg	bedded/bedding general																										
GBR22013	0	42.15	42.15	Oou overburden general																														
																						<p>Arkosic Quartz Arenite/Litic Arenite: medium pink orange, fine to medium grained, poorly sorted pebbly lithic arenite. Unit appears massive with cryptic very weakly defined bedding (~50 DTCa). Groundmass is primarily composed of arkose and qtz grains with pebbles ranging up to 20m range from qtz and feldspar grains to possible medium grey mafic volcanic lithstone or possibly chert fragments. Grains and pebbles range from rounded to subangular. Unit is non-magnetic, very hard and siliceous. Upper contact is broken up but unit is predominantly competent. Unit is also intermediately vuggy throughout. EDH.</p>	<p>massive</p>											
GBR22013	42.15	69	26.85	Sar arenite	M	Pink Orange	mg	bedded/bedding general																										
GBR22014	0	8.5	8.50	Oou overburden general																														
																						<p>Nipissing Diabase: medium grey, medium grained with localized very coarse grained (pegmatitic) segregations, massive and equigranular with visible medium grained, disseminated mgnt. Unit is blocky and broken throughout with a slightly more competent interval from 14.85-16.2m. Weak chlorite and carbonate alteration observed along slip surfaces and fractures with faint pervasive pink cream staining observed in feldspars. Minor associated cpyr observed between 10-12m. Minor veining (~5 veins) in a 2m interval at 10m with the majority of the vein orientations at 20-25 DTCa; 1cm qtz carb vein with minor fine to medium grained subhedral cpy with fine grained wispy cpy along vein margins with deep red staining (10.06m @ 21 DTCa, XRF: 0.46% Cu); 1cm pink red stained qtz-carb vein with trace fine grained blebby, wispy cpy along vein margins (10.48m @ 20 DTCa, XRF: 2.16% Cu); 1cm qtz-carb vein (10.86m @ 20 DTCa); 1mm qtz-carb veinlet (11.12m @ 40 DTCa); 1cm qtz-carb vein (11.22m @ 21 DTCa). Fractures throughout the unit are often of the same orientation as the veining observed near top of hole (10-20 DTCa). Lower contact is assigned/delineated by one of these shallow fractures which may also represent a following fault orientation at 10 DTCa.</p>	<p>massive</p> <p>chlorite alteration</p> <p>carbonate e alteration</p> <p>v wk</p> <p>cop</p>			0.1		voc	1					
GBR22014	8.5	20.25	11.75	Dia Diabase	M	Grey	mg	massive																										
																						<p>Fault: possible fault (brittle zone) as the Diabase becomes significantly more broken up than the adjacent Diabase with significant fine grained rubble (possible gouge) which may be indicative of a small fault. The orientation of the fault may be reflected by the shallow fault at the upper contact (10 DTCa) but it is difficult to say with confidence. Lower contact is defined by return to competent core at 55 DTCa.</p>	<p>broken</p> <p>chlorite alteration</p> <p>v wk</p>											
GBR22014	20.25	21	0.75	Fault	M	Grey	mg	blocky																										
																						<p>Nipissing Diabase: medium grey with some lighter grey patches, medium grained with several coarse grained (pegmatitic) cm scale patches/segregations. Unit is massive, equigranular and moderately magnetic. Unit is blocky to broken throughout with several more competent intervals (i.e. 25-39m). Weak chlorite alteration throughout observed along slip surfaces and in healed fractures with trace very weak carbonate alteration also observed along slip surfaces. Fractures throughout unit range from 5 to 50 DTCa. Lower contact is arbitrarily assigned ~5m where unit becomes fine grained (lateration) and loses its magnetism.</p>	<p>massive</p> <p>chlorite alteration</p> <p>v wk</p>											
GBR22014	21	55	34.00	Dia Diabase	M	Grey	mg	blocky																										
																						<p>Veined interval: 2.3 meter interval of increased veining (~5). Nipissing throughout this interval is fine grained which may be a result of pervasive alteration overprinting the medium grained equigranular texture coupled with a complete loss of the unit's magnetism with no visible mgnt observed. Trace vein associated cpy observed in sporadically oriented, mm-scale calcite to qtz-carb veinlets/stringers; ~1cm qtz-carb veinlet with a 10cm halo of disseminated sphalerite/bleds of cpy up hole (6.4m @ 70 DTCa, XRF: 3.70% Cu) with a 5cm calcite-rich carb vein blebby cpy extending downward from this vein to another qtz-carb vein (~1cm) which intersects the unit at 70 DTCa. Lower contact is defined by return of Nipissing's magnetism ~ 57.5m.</p>	<p>vein/veinlet alteration</p> <p>chlorite alteration</p> <p>v wk</p> <p>cop</p>			0.1								
GBR22014	55	57.5	2.50	Vqz Quartz Carbonate Vein	L	Grey	fg	vein/veinlet																										
																						<p>Nipissing Diabase: medium grey with a faint greenish hue beginning towards lower contact, medium grained, massive and equigranular. Unit is moderately magnetic up to ~78m where unit loses most of its magnetism and is only weakly magnetic in patches. Unit is consistently blocky to broken throughout with a competent interval from 69-74m. Weak chlorite alteration observed along slip surfaces locally with very minor carbonate, very weak pervasive chlorite alteration beginning towards lower contact. Trace localized cpyr/ga in thin mm-scale calcite-epidote veinlets towards lower contact; 8mm epidote veinlet with trace fine grained subhedral cpy (78.13m @ 50 DTCa); 3cm chlorite-calcite-/epidote veinlet with trace cpy ga (78.57m @ 45 DTCa, XRF: 0.32% Pb, 0.19% Cu). Magnetism begins to weaken and is lost ~81m, shallow fractures subparallel to core axis also increase during this transition. Lower contact is arbitrarily assumed where magnetism is lost at 81m.</p>	<p>massive</p> <p>chlorite alteration</p> <p>carbonate e alteration</p> <p>v wk</p> <p>cop</p>			0.1	sa	0.1	vt	0.1				
GBR22014	57.5	81	23.50	Dia Diabase	M	Grey	mg	blocky																										
																						<p>Veined interval: 17m interval of increased quartz-carbonate veining (&gt; 20 veins). The Nipissing Diabase throughout the interval is a medium green grey, medium grained, massive and equigranular. Unit is non-magnetic at upper contact and begins to exhibit very weak patchy magnetism from 84-85m, before becoming non-magnetic again up to 86.72m where the unit becomes weak to moderately magnetic. Unit is blocky to broken throughout with significant fractures and veins which are subparallel to core axis up to ~93m. Significant qtz-carb veining throughout the unit with mm to cm scale cpy bearing veins subparallel to core axis (5-20 DTCa) up to ~93m with several steeper (50-60 DTCa) veins in last couple meters of unit. The majority of the cm-scale subparallel veinlets occur in the first 9m of unit and transition to sub-mm-scale healed fractures or chlorite-calcite silps; 5mm qtz-rich qtz-carb vein (82.46m @ 20 DTCa); 1cm calcite-rich qtz-carb vein with trace fine grained cpy (82.85m @ 15 DTCa, XRF: 0.14% Cu); 1cm broken up qtz-carb vein with significant blebby cpy in vein fragments (83.25m @ 15 DTCa, XRF: 5.48% Cu); 1.3cm anastomosing qtz-carb vein pinch and swirl along core axis for ~1m with trace blebby cpy and sph-ga (84.5m @ 5 DTCa, XRF: 5.88% Zn, 1.73% Cu, 1.88% Ni); 2cm calcite-rich qtz-carb vein (88.25m @ 20 DTCa); 1cm qtz-carb vein with blebby cpy and pink red staining along vein margins (89.15m @ 20 DTCa, XRF: 3.07% Cu). After this section of stronger veining the veining becomes mm-scale and more closely resembles fracture fill with chlorite and calcite and very trace cpy with one 1cm qtz-carb veinlet with minor cpy-spec. hem (92.8m @ 5 DTCa, XRF: 1.18% Cu). Three cm-scale calcite veins between 96-98m are also intersected at significantly higher angles (50-60 DTCa) but are predominantly barren with very trace fine grained cpy; 1cm barren calcite vein (95.5m @ 50 DTCa); 2cm brecciated calcite vein with trace cpy and significant spec. hem. (96.3m @ 60 DTCa, XRF: 0.50% Cu); 2cm calcite vein with trace cpy (97.85m @ 60 DTCa, XRF: 0.57% Cu). Lower contact is sharp at 60 DTCa.</p>	<p>vein/veinlet alteration</p> <p>chlorite alteration</p> <p>carbonate e alteration</p> <p>wk</p> <p>cop</p>		1	sp	0.1	ga	0.1	voc	1	vcb	0.1	
GBR22014	81	97.89	16.89	Vqz Quartz Carbonate Vein	L	White	vfg	blocky																										
																						<p>Nipissing Diabase: medium green grey, medium grained, massive and equigranular. Unit is weak to moderately magnetic and consistently blocky throughout with a more broken rubble section from 101.75-104m (possible fault) and transitioning from blocky to more broken up overall ~114m to lower contact. Unit appears to become finer grained ~112m which may be a result of alteration from the increased fracturing or is the beginning of a chilled margin observed at lower contact. Weak pervasive chlorite alteration giving unit a faint greenish hue also observed along slip surfaces and fractures often with minor calcite, numerous fractures have a mm-scale orange alteration halo (FeO7) observed locally beginning at 116.8m. Abundant sporadically oriented fractures and healed chlorite-/ calcite filled fractures throughout. 10cm red sapite dyke at 105m which may not be a dyke but rather a product of alteration as the dyke contacts are diffuse and not sharp (60 DTCa). Very trace fracture controlled pyrrhotite-cpy with several ~1cm spec. hem. replaced calcite veinlets/fractures straddling 120m where silicified areas are also observed on slip surfaces. Unit becomes very fine grained to aphanitic (chilled margin) ~126m. Lower contact is fractured and broken/ faulted at 127.4m with multiple healed calcite-spec. hem. filled fractures.</p>	<p>massive</p> <p>chlorite alteration</p> <p>wk alteration</p> <p>wk alteration</p> <p>wk</p>							carbonate e	hematite alteration <p>wk</p> <p>he</p>	0.1	vcb	0.1
GBR22014	97.89	127.4	29.51	Dia Diabase	M	Green Grey	mg	blocky																										
																						<p>Fault/Unconformity: unit consists of ~3m of rubby very fine grained diabase (chilled margin) with almost 1.5m of core lost between throughout unit. At ~128.8m roughly 50cm of healed fault gouge which is more or less competent/cored is observed. Diabase fragments are held together by chlorite fault gouge. This interval of competent gouge delineates the unconformity with the underlying sediments at ~131.35m, the orientation of the unconformity cannot be measured with confidence but appears to be between 50-60 DTCa. The gouge ends abruptly and is immediately followed by pink red rubby arkosic quartz arenite.</p>	<p>broken</p> <p>chlorite alteration</p> <p>wk mod</p>											
GBR22014	127.4	131.38	3.98	Fault	M	Grey	vfg/fg	blocky																										
GBR22014	131.38	135	3.62	Sar arenite	M	Pink Red	fmg	blocky														<p>Arkosic Quartz Arenite: unit is entirely rubble with fragments of medium pink red, fine to medium grained arkosic quartz arenite. No bedding is observed and fragments are predominantly rounded and ground up. EDH.</p>	<p>broken</p>											



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 Finalized Date: 4-APR-2022  
 This copy reported on  
 6-APR-2022  
 Account: BMRPLLBW

**CERTIFICATE SD22059318**

Project: Gowganda (Bald Rock)-GBR22-008  
 P.O. No.: GBR22-008  
 This report is for 37 samples of 1/2 Core submitted to our lab in Sudbury, ON, Canada on 9-MAR-2022.  
 The following have access to data associated with this certificate:

PETER DOYLE FRANK PLOEGER	SEAN HICKS	KAJAL MAKWANA
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login – Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login – Rcd w/o BarCode
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Co-OG62	Ore Grade Co – Four Acid	
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, Director, North Vancouver Operations



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Project: Gowganda (Bald Rock)-GBR22-008

**CERTIFICATE OF ANALYSIS SD22059318**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	0.01	
21068		2.19	0.15	6.23	19.9	560	1.42	0.29	1.73	0.06	85.0	33.9	7	1.20	57.0	11.25
21069		0.99	0.29	4.60	89.1	230	1.19	0.98	9.48	<0.02	75.9	111.5	4	0.66	1045	7.70
21070		0.99	2.73	5.59	732	90	0.92	74.0	5.38	0.06	67.8	698	3	0.81	894	8.84
21071		1.16	0.31	5.84	46.7	110	1.50	0.96	5.27	<0.02	40.8	59.7	4	1.44	344	9.12
21072		1.97	0.48	5.90	22.3	280	1.27	1.80	3.59	0.05	39.0	105.0	4	1.84	744	13.10
21073		0.92	0.61	5.94	30.2	240	0.94	1.11	3.87	0.09	36.1	65.3	3	1.52	470	13.20
21074		1.68	0.74	5.93	32.7	260	0.82	0.93	3.50	0.09	39.3	94.8	3	1.57	905	13.70
21075		0.59	0.01	0.08	<0.2	10	0.05	0.04	31.9	0.02	1.00	1.0	1	<0.05	9.3	0.14
21076		0.89	2.24	6.00	186.5	370	1.00	1.19	3.14	0.03	51.6	308	3	1.38	5720	14.05
21077		1.71	0.20	7.30	26.9	340	0.51	0.20	5.46	0.32	21.3	51.6	6	2.14	184.5	9.54
21078		1.45	1.01	6.43	52.4	220	1.42	0.39	10.45	0.02	28.3	43.6	4	0.83	675	5.62
21079		0.86	0.19	7.06	23.8	420	0.52	0.20	5.29	0.29	22.9	50.2	4	2.19	180.0	10.35
21080		0.91	0.20	7.28	26.2	410	0.53	0.21	5.54	0.23	24.3	51.4	5	2.13	166.0	9.85
21081		<0.02	0.77	7.05	2.4	250	0.93	0.06	5.61	0.80	38.0	>10000	164	0.69	1785	7.15
21082		2.01	0.08	7.56	10.2	420	0.42	0.15	5.83	0.12	18.35	55.7	18	1.17	155.0	8.89
21083		0.89	0.17	7.07	14.2	1060	1.46	0.33	6.08	0.04	19.90	184.0	17	0.83	287	11.80
21084		0.99	0.07	7.25	13.4	330	0.52	0.13	5.24	0.04	22.7	49.9	14	1.17	180.0	9.13
21085		0.83	0.09	7.52	13.8	350	0.50	0.18	5.86	0.12	15.35	56.2	20	0.71	156.0	7.79
21086		1.36	0.12	8.16	8.6	380	0.23	0.07	7.16	0.11	10.15	42.2	99	1.06	120.0	6.42
21087		1.80	0.11	7.91	7.0	340	0.28	0.13	6.64	0.15	12.25	41.7	87	1.23	115.5	6.72
21088		2.10	0.09	7.89	5.2	260	0.48	0.09	6.47	0.08	14.55	43.9	190	1.59	110.5	7.39
21089		1.12	0.29	7.55	7.1	180	0.61	0.12	6.04	0.21	15.70	73.2	182	1.02	83.6	7.55
21090		2.51	0.10	7.55	5.4	180	0.48	0.11	6.29	0.07	13.00	48.2	201	1.00	98.3	7.71
21091		2.69	0.18	7.60	7.2	210	0.42	0.12	6.46	0.10	15.20	45.5	138	0.78	123.0	7.52
21092		1.24	4.20	4.56	4.4	110	1.42	1.74	17.20	0.67	39.7	39.2	82	0.26	2410	5.86
21093		2.25	0.12	7.22	7.3	200	0.31	0.08	6.52	0.14	13.90	41.9	162	1.02	92.9	6.90
21094		1.75	0.20	7.34	6.6	160	0.56	0.09	6.81	0.09	21.0	53.2	118	0.95	400	7.41
21095		1.44	0.11	7.83	4.3	210	1.00	0.17	4.06	0.04	27.2	101.5	111	0.57	105.0	8.31
21096		0.79	0.10	7.66	4.7	190	1.42	0.36	1.90	<0.02	14.55	106.5	117	0.66	71.8	8.85
21097		0.75	0.97	6.03	14.9	490	1.01	4.36	0.45	<0.02	45.7	124.5	64	0.51	2560	4.53
21098		1.80	0.13	4.61	6.0	4560	0.64	0.77	0.07	<0.02	20.3	19.9	29	0.63	2090	1.48
21099		0.67	1.32	5.31	10.6	2100	0.41	2.34	0.05	<0.02	37.5	49.7	40	0.17	360	2.19
21100		0.71	2.58	5.37	7.3	1670	0.44	2.01	0.05	<0.02	31.5	45.5	36	0.21	1145	2.04
21101		0.12	4.06	5.43	14.3	140	0.54	0.80	3.45	2.00	17.40	963	243	0.75	>10000	17.95
21102		1.50	0.24	5.02	4.6	1800	0.30	0.39	0.03	<0.02	19.60	22.1	39	0.16	1885	1.57
21103		1.58	0.48	5.24	2.4	350	0.43	0.84	0.04	<0.02	29.1	8.8	36	0.14	1070	1.45
21104		1.16	0.11	4.49	4.1	1960	0.25	0.18	0.03	<0.02	15.75	4.0	36	0.16	265	0.76



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**CERTIFICATE OF ANALYSIS SD22059318**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21068		19.65	0.13	4.9	0.241	1.43	40.0	27.2	1.37	1235	1.83	2.46	7.2	3.1	880	19.8
21069		16.65	0.12	3.6	0.204	0.50	38.4	38.5	1.40	1530	2.01	1.66	5.2	14.4	580	8.2
21070		22.0	0.11	3.7	0.252	0.47	33.9	55.4	1.87	1120	4.76	2.09	4.8	93.6	570	74.4
21071		21.5	0.08	3.6	0.255	0.36	20.1	51.4	1.92	1525	2.73	2.28	5.3	6.4	570	16.4
21072		25.0	0.10	3.5	0.131	0.96	19.6	44.3	1.99	1475	10.65	1.92	5.5	19.5	560	20.7
21073		20.4	0.08	3.2	0.147	1.01	18.8	39.2	2.11	1590	9.45	2.01	4.6	10.1	470	29.1
21074		19.65	0.09	3.1	0.122	1.12	19.9	34.4	2.20	1785	7.21	2.02	4.6	11.5	470	38.6
21075		0.23	<0.05	<0.1	0.023	0.02	1.1	1.1	1.90	111	0.10	0.03	0.1	0.8	60	1.1
21076		22.9	0.10	2.9	0.101	1.18	25.3	43.5	2.11	1420	12.40	1.62	4.1	25.3	460	18.4
21077		16.85	0.08	1.9	0.084	2.02	9.2	41.7	3.03	1700	0.87	1.68	2.7	35.6	300	7.7
21078		14.60	0.06	1.6	0.275	0.92	14.7	54.8	1.74	1730	0.57	2.43	2.1	27.1	250	6.4
21079		16.65	0.08	2.2	0.087	1.84	11.3	41.9	2.87	1985	0.61	1.80	3.2	32.9	340	13.2
21080		16.90	0.09	2.2	0.090	1.89	11.8	44.3	2.95	1875	0.71	1.88	2.9	33.1	350	15.8
21081		17.00	0.14	3.4	0.075	0.67	18.7	6.8	3.66	939	2.44	2.18	21.3	>10000	1410	17.9
21082		15.70	0.09	1.7	0.076	1.87	8.1	35.1	3.55	1750	0.82	1.73	2.5	53.6	290	10.0
21083		23.3	0.08	1.6	0.105	1.23	9.3	49.8	3.17	1555	5.39	1.68	2.0	77.7	300	13.7
21084		16.40	0.07	2.1	0.076	1.92	10.7	30.3	3.31	1445	0.71	1.94	2.9	54.3	360	8.1
21085		15.85	0.07	1.6	0.078	1.75	6.9	40.4	3.86	1410	0.56	1.85	2.1	68.8	240	13.0
21086		13.60	0.08	1.0	0.050	2.13	4.6	43.8	4.83	1430	0.38	1.37	1.4	116.5	170	21.3
21087		13.45	0.08	1.3	0.057	2.04	5.3	43.7	4.43	1480	0.26	1.34	1.7	103.5	200	17.1
21088		14.15	0.08	1.5	0.056	2.16	6.2	39.3	4.68	1305	0.40	1.34	1.9	125.0	250	10.4
21089		17.30	0.06	1.3	0.073	1.60	7.2	51.0	4.75	1210	1.08	1.57	1.8	123.5	230	1005
21090		15.10	0.06	1.4	0.063	1.83	5.7	42.7	4.51	1245	0.66	1.48	1.9	112.0	240	30.9
21091		15.20	0.06	1.6	0.070	1.72	6.7	44.9	4.54	1420	0.47	1.73	2.0	106.5	260	29.6
21092		11.50	0.08	0.9	0.212	0.60	16.6	25.5	2.75	1150	0.44	1.05	1.2	56.0	160	5390
21093		14.30	0.06	1.4	0.071	1.74	6.0	41.1	4.42	1395	0.37	1.49	1.9	103.0	240	16.6
21094		15.05	0.06	1.5	0.081	1.75	8.9	40.7	4.24	1295	0.62	1.57	1.9	98.2	250	25.2
21095		25.7	0.06	1.6	0.067	0.99	13.9	73.2	4.20	1040	2.22	2.47	2.0	100.5	330	15.3
21096		25.8	0.05	1.5	0.065	0.87	6.9	81.3	3.93	869	0.92	2.82	1.9	105.0	310	9.3
21097		18.55	0.09	1.5	0.068	2.98	22.6	45.4	1.85	402	61.2	1.50	2.1	56.7	250	4.8
21098		12.10	0.07	1.3	0.046	3.90	10.2	18.6	0.47	105	13.00	0.73	1.3	15.9	60	2.7
21099		22.9	0.07	1.4	0.020	2.79	19.4	29.5	0.93	148	84.3	1.99	0.9	34.7	70	1.7
21100		21.4	0.08	1.3	0.025	3.09	15.8	25.6	0.76	140	29.1	1.97	0.8	31.2	70	1.7
21101		11.25	0.22	1.3	0.133	0.31	7.2	9.5	3.90	960	4.49	1.18	4.5	>10000	450	13.8
21102		20.7	0.07	1.4	0.032	2.86	9.9	15.9	0.55	100	27.1	2.10	0.5	29.7	50	2.0
21103		24.5	0.05	1.2	0.021	2.03	15.8	14.6	0.53	109	97.1	2.74	1.6	21.4	50	1.5
21104		17.30	0.05	1.2	0.016	2.60	7.7	6.3	0.19	61	4.85	2.06	0.6	8.2	40	1.3



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 SUITE 400, 744 WEST HASTINGS STREET  
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 Account: BMRPLLW

Project: Gowganda (Bald Rock)-GBR22-008

**CERTIFICATE OF ANALYSIS SD22059318**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21068		43.8	<0.002	0.06	0.45	34.2	1	1.6	77.6	0.54	<0.05	5.83	0.785	0.18	2.2	42
21069		12.4	<0.002	0.17	0.86	27.5	1	1.2	41.6	0.39	<0.05	3.96	0.626	0.08	2.1	70
21070		10.2	<0.002	0.22	1.20	36.6	1	1.9	30.5	0.38	<0.05	4.26	0.842	0.10	3.7	171
21071		17.0	0.003	0.11	0.93	47.2	1	1.4	54.3	0.39	<0.05	4.04	1.045	0.08	4.9	176
21072		51.3	0.013	0.31	1.09	43.1	1	4.8	79.8	0.41	0.11	4.07	1.185	0.23	13.2	283
21073		53.2	0.009	0.21	1.88	48.1	1	1.5	82.2	0.34	0.07	3.50	1.195	0.24	7.0	516
21074		55.4	0.028	0.27	3.40	47.8	1	1.5	91.5	0.35	0.19	3.39	1.180	0.28	11.7	549
21075		0.4	<0.002	0.01	0.06	0.3	<1	<0.2	76.2	<0.05	<0.05	0.06	0.008	<0.02	0.2	3
21076		57.0	0.050	0.71	3.47	40.3	1	6.9	113.5	0.32	0.40	3.18	1.030	0.28	48.5	522
21077		105.0	0.002	0.12	4.20	44.7	1	1.4	119.0	0.20	<0.05	2.19	0.541	0.54	1.0	349
21078		39.8	<0.002	0.11	0.79	39.1	1	1.1	104.0	0.17	<0.05	1.77	0.432	0.20	0.7	285
21079		90.3	<0.002	0.12	2.88	43.5	1	1.6	123.0	0.26	<0.05	2.45	0.691	0.46	0.9	403
21080		89.2	0.002	0.12	2.99	44.5	1	1.6	122.5	0.22	<0.05	2.44	0.529	0.46	0.8	316
21081		20.2	<0.002	2.48	1.70	19.6	<1	1.3	406	1.13	<0.05	2.44	1.000	0.10	0.6	143
21082		95.7	0.003	0.12	1.31	42.4	1	1.5	107.5	0.19	<0.05	2.05	0.483	0.40	0.7	322
21083		59.0	0.004	0.39	0.65	40.1	1	12.7	176.0	0.16	0.10	1.78	0.385	0.23	14.4	276
21084		88.2	<0.002	0.11	0.91	39.8	1	2.1	97.1	0.22	<0.05	2.24	0.545	0.34	0.9	310
21085		63.5	0.002	0.11	1.38	38.4	1	1.5	144.0	0.16	<0.05	1.58	0.374	0.32	1.0	229
21086		100.0	<0.002	0.06	0.31	38.4	1	0.6	130.5	0.10	<0.05	1.03	0.273	0.51	0.5	190
21087		99.3	<0.002	0.07	0.33	37.9	1	0.5	135.5	0.13	<0.05	1.26	0.328	0.51	0.4	209
21088		110.0	<0.002	0.08	0.37	40.4	<1	0.6	125.5	0.15	<0.05	1.42	0.379	0.54	0.5	229
21089		81.7	<0.002	0.14	0.48	37.2	<1	0.9	105.0	0.13	<0.05	1.33	0.349	0.35	2.6	215
21090		89.3	<0.002	0.10	0.40	39.2	1	1.2	101.0	0.14	0.05	1.39	0.363	0.33	0.7	227
21091		81.8	<0.002	0.08	0.38	40.2	1	0.6	98.7	0.16	<0.05	1.59	0.386	0.30	0.6	235
21092		30.1	<0.002	0.72	0.70	27.4	1	0.9	252	0.10	0.05	0.98	0.225	0.11	0.6	142
21093		81.7	<0.002	0.07	0.37	39.1	1	0.6	113.0	0.14	<0.05	1.52	0.351	0.37	0.5	219
21094		86.0	0.002	0.13	0.37	38.2	1	0.7	110.0	0.15	0.06	1.63	0.362	0.33	1.2	223
21095		41.5	0.003	0.19	0.28	32.0	<1	2.6	87.4	0.16	0.10	1.85	0.374	0.20	2.8	227
21096		23.5	<0.002	0.22	0.36	31.2	1	2.1	65.8	0.14	0.11	1.48	0.355	0.18	3.4	216
21097		70.7	0.049	0.41	0.21	14.1	2	3.6	35.1	0.19	0.30	3.92	0.193	0.38	3.6	120
21098		97.7	0.007	0.35	0.17	2.8	1	1.0	160.5	0.14	0.09	3.35	0.040	0.47	1.4	20
21099		50.7	0.052	0.22	0.31	6.9	2	1.3	815	0.13	0.32	13.60	0.049	0.28	2.3	53
21100		56.3	0.017	0.24	0.24	5.7	1	1.2	715	0.10	0.22	10.45	0.041	0.30	2.3	50
21101		10.0	0.044	7.89	2.75	7.7	21	2.5	182.5	0.30	4.21	1.02	0.518	0.17	0.3	77
21102		52.9	0.015	0.30	0.19	11.4	1	1.1	302	0.10	0.06	5.94	0.026	0.27	2.4	40
21103		38.3	0.060	0.09	0.18	9.2	1	0.9	20.0	0.19	0.07	7.51	0.060	0.21	4.8	68
21104		50.2	<0.002	0.08	0.13	2.7	1	0.4	53.6	0.06	<0.05	30.8	0.030	0.25	1.6	13





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**CERTIFICATE OF ANALYSIS SD22059318**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Co-OG62	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Co %	Cu %	Ni %	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.0005	0.001	0.001	0.01	0.01
21068		0.8	55.6	145	169.0				80.7	90.7
21069		1.1	49.7	101	122.5					90.1
21070		1.7	38.7	108	122.5					
21071		1.3	40.6	110	120.5					
21072		2.0	33.8	134	115.5					
21073		0.8	31.3	177	108.0					
21074		0.9	30.0	184	101.0					
21075		<0.1	1.9	5	1.4					
21076		3.9	30.1	159	98.3					
21077		0.7	19.9	177	66.8					
21078		1.0	22.0	112	54.6					
21079		0.8	21.3	207	74.4					
21080		0.6	22.4	183	71.9					
21081		1.6	20.7	120	130.5	2.11		2.28		
21082		0.9	18.3	143	61.6					
21083		18.3	29.7	182	56.2					87.7
21084		1.4	19.7	103	70.7					
21085		1.0	16.0	141	54.1					86.6
21086		0.3	12.0	120	35.9					
21087		0.3	13.4	130	41.7					
21088		0.3	16.1	119	49.2					
21089		0.9	16.8	180	45.0					
21090		0.9	15.2	126	46.6					
21091		0.3	16.8	128	52.6					
21092		0.6	86.7	112	32.6					
21093		0.3	15.7	117	48.6					
21094		0.4	20.2	133	50.9					
21095		2.5	22.8	170	53.1					
21096		1.9	18.2	132	52.6					
21097		1.6	15.6	60	51.0					
21098		0.5	4.2	11	39.9					
21099		0.6	8.5	15	46.1					
21100		0.6	7.7	14	44.4					
21101		2.4	9.1	133	48.8		1.610	4.69		
21102		0.3	5.7	9	46.4					
21103		0.5	6.0	9	40.9					
21104		0.5	5.0	4	43.2					



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**CERTIFICATE OF ANALYSIS SD22059318**

	<b>CERTIFICATE COMMENTS</b>								
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	<p>Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;">LOG-24</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-24	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-24						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Co-OG62</td> <td style="width: 33%;">Cu-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 15%;">ME-OG62</td> </tr> <tr> <td>Ni-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Co-OG62	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62			
Co-OG62	Cu-OG62	ME-MS61	ME-OG62						
Ni-OG62									



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**CERTIFICATE SD22059323**

Project: Gowganda (Bald Rock)-GBR22-009  
 P.O. No.: GBR22-009  
 This report is for 48 samples of 1/2 Core submitted to our lab in Sudbury, ON, Canada on 9-MAR-2022.  
 The following have access to data associated with this certificate:

PETER DOYLE FRANK PLOEGER	SEAN HICKS	KAJAL MAKWANA
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login – Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login – Rcd w/o BarCode
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, Director, North Vancouver Operations



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**CERTIFICATE OF ANALYSIS SD22059323**

Sample Description	Method Analyte Units LOD	WEI–21	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
21105		1.56	0.06	6.29	6.1	1050	1.65	0.12	1.58	0.03	74.3	12.8	14	2.77	14.8	7.71
21106		1.74	0.13	6.30	11.7	1370	1.58	0.20	0.89	0.57	59.2	14.0	10	2.61	13.2	7.73
21107		2.03	0.23	6.21	27.4	790	1.82	0.21	0.92	0.06	86.4	34.6	11	0.82	470	8.20
21108		2.04	0.32	6.00	22.6	630	1.85	0.35	1.35	0.03	81.1	29.4	13	0.79	755	7.40
21109		1.09	0.33	3.78	12.8	950	0.80	0.69	4.38	<0.02	118.5	23.3	6	0.45	143.0	5.31
21110		1.58	0.13	6.12	15.4	720	1.86	0.18	1.05	<0.02	94.3	29.1	10	0.96	301	6.88
21111		1.71	0.14	6.13	17.7	990	1.74	0.21	0.66	<0.02	68.1	18.2	10	0.55	654	8.26
21112		1.79	0.08	6.16	10.9	970	1.65	0.19	0.93	<0.02	85.9	19.7	13	0.59	61.8	8.62
21113		1.88	0.08	6.24	11.3	1040	1.62	0.10	1.23	0.02	81.1	21.2	10	0.73	81.9	7.75
21114		1.61	0.35	5.84	16.5	370	1.65	0.33	1.12	<0.02	157.5	122.0	9	0.29	662	8.36
21115		1.82	0.28	5.93	9.5	270	1.39	0.17	1.62	<0.02	72.7	44.2	12	0.21	843	7.39
21116		2.26	0.20	5.87	6.8	440	1.52	0.20	1.55	0.02	77.0	71.8	10	0.38	434	7.54
21117		1.96	0.18	5.96	7.9	360	1.46	0.25	1.70	0.02	88.3	98.9	12	0.39	554	8.10
21118		3.02	0.14	6.17	10.3	590	1.60	0.23	1.88	0.04	95.2	40.5	4	0.39	162.0	11.55
21119		1.08	0.13	6.37	6.4	480	0.92	0.15	2.68	0.20	40.3	42.6	3	0.39	307	12.80
21120		1.23	0.10	6.43	6.4	480	1.00	0.15	2.63	0.28	44.8	42.9	5	0.40	205	12.65
21121		0.12	4.13	5.54	12.9	120	0.57	0.83	3.53	2.03	17.65	979	247	0.75	>10000	18.30
21122		2.64	0.10	6.14	7.8	430	0.85	0.13	3.12	0.41	37.6	51.6	3	0.41	42.3	13.40
21123		1.69	0.07	6.41	6.9	390	0.67	0.14	3.74	0.20	29.0	59.9	2	0.56	45.0	13.25
21124		1.38	1.72	4.68	35.6	220	0.55	1.18	11.50	0.10	88.3	491	1	0.49	5170	14.80
21125		0.47	0.02	0.10	0.3	20	0.07	0.01	32.1	0.02	1.03	1.0	1	<0.05	4.2	0.17
21126		1.92	0.11	6.39	4.7	240	0.92	0.15	4.19	0.04	23.9	53.9	2	0.67	280	12.50
21127		1.38	0.06	6.41	6.7	280	0.87	0.14	4.17	0.02	24.6	53.8	2	1.46	132.0	13.20
21128		1.17	0.66	5.76	15.2	180	0.76	0.64	2.42	0.03	22.0	246	4	1.16	1700	14.30
21129		1.13	0.31	5.96	8.4	310	0.94	0.33	3.02	0.02	26.6	76.2	4	1.11	1130	14.30
21130		2.02	0.21	6.52	9.9	450	0.79	0.27	3.87	0.03	35.3	54.9	5	0.69	442	12.55
21131		2.13	0.22	6.85	18.9	380	0.67	0.26	4.58	0.04	24.5	53.7	4	1.11	335	11.20
21132		2.22	0.09	6.90	20.1	420	0.67	0.12	4.26	0.21	25.8	51.4	4	1.51	114.0	11.00
21133		2.02	0.16	6.83	28.0	490	0.70	0.20	3.94	1.90	21.9	58.3	3	1.16	109.0	11.55
21134		2.14	0.20	6.75	30.4	660	0.72	0.24	4.47	1.47	17.90	55.7	4	1.11	164.0	11.90
21135		2.28	0.08	7.30	6.6	460	0.44	0.14	5.80	0.16	15.40	46.8	16	1.43	143.0	7.99
21136		0.88	0.19	7.42	7.6	1040	0.77	0.17	4.90	0.07	16.05	61.5	16	1.74	550	8.57
21137		2.33	0.08	7.48	9.4	420	0.46	0.13	5.95	0.15	16.35	48.2	17	1.66	153.5	8.62
21138		2.06	0.12	7.67	7.0	290	0.55	0.10	5.65	0.33	19.55	45.0	28	1.00	143.0	8.70
21139		0.65	0.16	7.55	7.0	220	0.54	0.13	4.90	0.56	16.75	65.0	31	0.81	232	8.76
21140		0.58	0.18	7.51	8.9	240	0.65	0.20	4.62	0.26	20.7	79.0	35	0.86	249	9.01
21141		0.12	4.11	5.46	14.4	120	0.54	0.87	3.49	2.13	17.15	967	273	0.71	>10000	18.05
21142		1.40	0.18	7.67	6.7	250	0.44	0.14	6.03	0.63	16.95	42.8	38	0.87	215	7.67
21143		2.28	0.16	7.32	3.9	250	0.25	0.12	6.62	3.29	9.16	42.0	63	0.65	95.3	6.77
21144		1.69	0.14	7.85	4.4	340	0.35	0.10	6.44	0.30	14.10	45.4	68	1.60	160.0	7.34



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**CERTIFICATE OF ANALYSIS SD22059323**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21105		20.7	0.12	7.1	0.135	2.62	34.3	13.8	0.35	1250	1.88	2.68	9.6	2.3	990	6.9
21106		20.6	0.11	7.5	0.148	2.52	27.9	14.4	0.40	1185	1.48	2.80	10.0	2.2	1000	38.4
21107		23.2	0.13	7.2	0.111	2.74	42.9	21.0	0.81	679	1.92	2.24	9.6	17.3	1010	34.3
21108		23.3	0.12	6.9	0.131	2.45	40.3	26.8	0.96	613	2.50	2.14	9.4	11.3	960	22.8
21109		16.35	0.13	4.5	0.192	0.74	58.5	35.2	1.20	845	2.67	1.24	5.3	7.2	600	96.7
21110		22.2	0.13	7.0	0.098	2.52	47.6	24.5	1.01	702	1.41	2.22	9.2	2.3	970	7.7
21111		24.2	0.12	6.7	0.079	2.63	34.5	25.7	0.84	614	1.76	2.24	9.5	47.2	1080	11.6
21112		20.9	0.14	6.5	0.105	2.61	46.4	23.6	0.74	602	2.10	2.27	9.5	2.9	1040	7.9
21113		21.4	0.13	6.9	0.121	2.65	41.7	24.4	0.83	672	2.78	2.20	9.6	1.9	1070	8.1
21114		24.1	0.14	6.7	0.059	2.85	91.1	26.8	0.88	504	4.53	1.89	7.7	12.4	960	7.9
21115		22.0	0.11	6.7	0.067	2.89	38.9	26.7	0.82	398	4.11	2.07	7.1	7.9	1020	5.6
21116		30.2	0.12	6.5	0.052	2.80	41.1	28.9	0.99	495	26.4	2.02	7.9	31.6	1060	12.4
21117		29.7	0.13	6.5	0.043	2.67	47.0	33.2	1.18	415	17.00	2.12	6.5	28.5	1150	11.9
21118		22.7	0.14	4.7	0.197	2.32	46.7	22.6	1.31	1135	9.20	2.28	6.9	6.1	760	32.1
21119		21.4	0.09	3.8	0.175	1.44	20.5	20.8	1.60	1705	1.36	2.60	5.6	2.1	580	107.0
21120		21.3	0.09	3.8	0.167	1.49	22.5	20.8	1.59	1680	1.58	2.66	5.8	2.8	600	96.4
21121		11.45	0.20	1.4	0.134	0.32	7.4	9.1	4.00	982	4.49	1.20	4.6	>10000	460	13.8
21122		20.6	0.07	3.4	0.167	1.25	18.2	23.6	1.99	1930	5.52	2.52	5.0	14.7	530	250
21123		20.5	0.07	2.7	0.122	1.27	13.8	28.5	2.31	1945	0.98	2.40	4.0	10.2	400	93.0
21124		19.35	0.13	1.5	0.210	0.87	40.3	24.2	1.75	1615	30.6	1.46	2.2	33.8	230	72.6
21125		0.27	0.06	0.1	0.005	0.01	1.1	1.0	1.38	118	0.39	0.04	0.1	1.3	70	2.1
21126		18.55	0.07	2.1	0.106	1.19	10.4	34.9	2.21	1330	2.01	2.25	3.3	11.6	350	7.3
21127		20.1	0.08	2.0	0.094	1.30	11.0	36.9	2.45	1420	0.92	2.07	3.4	18.0	340	7.3
21128		22.6	0.07	2.1	0.083	0.85	10.2	49.3	2.81	1210	10.90	1.58	3.3	33.9	350	25.1
21129		22.1	0.08	2.2	0.099	1.18	13.3	43.8	2.22	1200	3.94	1.76	3.5	30.0	400	6.7
21130		20.3	0.09	2.7	0.096	1.45	18.1	33.0	2.18	1410	1.70	2.06	4.0	28.2	450	21.1
21131		17.50	0.08	2.1	0.094	1.66	11.7	32.0	2.48	1610	1.72	2.03	3.4	26.2	370	10.8
21132		17.60	0.08	2.2	0.092	1.60	12.6	37.4	2.77	1810	0.68	2.11	3.7	24.1	380	28.5
21133		18.20	0.07	2.0	0.114	1.24	9.4	44.5	3.08	1960	0.97	2.24	3.1	28.8	320	158.5
21134		17.10	0.07	1.6	0.098	1.38	7.4	45.0	3.06	2200	0.83	1.88	2.7	29.7	270	270
21135		15.60	0.08	1.4	0.063	2.15	6.2	33.8	3.68	1415	0.49	1.50	2.2	59.5	250	6.2
21136		18.45	0.08	1.6	0.066	1.62	6.7	50.4	3.90	1475	0.97	1.77	2.4	71.2	270	16.5
21137		15.45	0.08	1.4	0.067	1.89	6.4	43.5	3.95	1610	0.59	1.58	2.3	62.0	250	9.1
21138		16.25	0.08	1.8	0.074	1.86	8.0	40.1	3.48	1455	1.80	1.83	2.9	60.3	310	24.7
21139		16.25	0.08	1.6	0.068	1.44	6.7	48.7	3.87	1350	1.20	2.12	2.6	68.4	290	39.2
21140		17.50	0.09	2.0	0.077	1.45	8.6	50.7	3.86	1280	2.91	2.12	2.9	66.3	380	48.0
21141		10.85	0.20	1.2	0.127	0.32	6.8	9.6	3.97	979	4.73	1.20	4.9	>10000	450	14.1
21142		15.10	0.08	1.6	0.065	1.79	6.8	43.2	3.82	1485	0.73	1.85	2.5	92.3	290	96.4
21143		12.60	0.08	1.0	0.045	1.43	4.1	46.2	4.73	1650	0.27	1.93	1.4	100.5	160	223
21144		14.40	0.08	1.3	0.051	2.03	5.8	39.1	4.30	1485	0.40	1.38	2.1	99.0	230	38.6



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Project: Gowganda (Bald Rock)–GBR22–009

**CERTIFICATE OF ANALYSIS SD22059323**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21105		85.1	<0.002	0.02	0.39	18.6	<1	0.7	139.0	0.76	<0.05	9.63	0.465	0.42	2.8	5
21106		78.4	<0.002	0.01	0.41	18.6	<1	0.6	118.5	0.75	<0.05	9.29	0.465	0.38	3.2	6
21107		67.2	<0.002	0.17	0.36	18.8	<1	2.2	66.1	0.76	<0.05	9.35	0.465	0.29	6.2	10
21108		60.9	<0.002	0.18	0.34	18.0	<1	3.1	56.8	0.71	<0.05	9.36	0.436	0.25	6.1	9
21109		17.5	<0.002	0.23	0.25	11.4	<1	1.7	2270	0.42	<0.05	4.70	0.258	0.07	3.8	5
21110		59.0	<0.002	0.12	0.30	17.9	<1	2.8	45.7	0.73	<0.05	8.95	0.445	0.27	5.2	4
21111		60.0	<0.002	0.12	0.37	19.9	1	3.0	61.0	0.68	0.05	8.78	0.467	0.26	5.5	14
21112		61.5	<0.002	0.10	0.28	19.2	1	3.6	56.7	0.72	<0.05	8.69	0.474	0.27	3.9	5
21113		67.6	<0.002	0.05	0.29	19.6	<1	2.2	57.6	0.73	<0.05	7.89	0.483	0.28	3.8	5
21114		60.4	<0.002	0.37	0.32	17.4	<1	3.6	31.6	0.60	<0.05	11.55	0.406	0.29	8.0	8
21115		58.8	<0.002	0.29	0.23	17.2	1	4.0	19.5	0.54	<0.05	9.45	0.363	0.25	7.0	5
21116		60.8	0.010	0.22	0.29	20.9	<1	3.0	38.3	0.60	0.06	8.37	0.404	0.27	17.0	50
21117		56.2	0.002	0.30	0.29	20.2	1	4.2	32.0	0.49	0.06	8.77	0.385	0.26	7.6	22
21118		65.7	0.004	0.14	0.51	36.8	1	2.9	81.2	0.51	<0.05	5.59	0.892	0.24	5.2	63
21119		58.3	0.002	0.19	0.71	42.6	1	1.4	112.0	0.44	<0.05	4.45	1.145	0.18	1.7	221
21120		59.9	0.002	0.19	0.69	41.3	1	1.4	111.0	0.44	<0.05	4.61	1.125	0.19	1.8	205
21121		10.2	0.046	8.03	2.82	7.9	21	2.6	185.5	0.30	4.18	1.01	0.528	0.17	0.4	78
21122		52.2	0.003	0.19	0.92	44.7	<1	1.4	99.8	0.40	<0.05	3.80	1.225	0.18	1.5	432
21123		61.7	0.004	0.21	1.32	48.1	1	1.2	106.0	0.30	<0.05	2.87	1.180	0.21	1.1	599
21124		43.0	0.044	1.25	1.21	46.9	1	12.2	136.5	0.18	0.49	1.58	0.849	0.17	4.0	531
21125		0.4	<0.002	0.01	0.25	0.4	1	<0.2	83.1	<0.05	<0.05	0.07	0.011	<0.02	0.1	4
21126		53.0	0.003	0.19	0.74	46.8	<1	1.1	104.5	0.25	<0.05	2.40	1.070	0.21	1.0	616
21127		69.4	0.004	0.18	1.05	47.2	1	1.1	103.0	0.25	<0.05	2.43	1.105	0.27	0.9	670
21128		40.4	0.025	0.62	1.14	39.0	1	1.5	62.5	0.25	0.14	2.29	1.080	0.20	23.6	706
21129		57.0	0.004	0.35	0.91	43.4	1	3.3	91.9	0.26	<0.05	2.56	0.991	0.23	1.9	684
21130		63.7	0.002	0.23	0.89	42.7	1	1.6	107.0	0.29	<0.05	3.26	0.980	0.22	1.4	705
21131		79.6	0.002	0.16	1.43	44.3	1	1.1	125.5	0.25	<0.05	2.59	0.822	0.33	0.9	578
21132		79.1	0.002	0.12	1.24	45.1	1	1.1	116.0	0.27	<0.05	2.52	0.760	0.39	0.9	478
21133		60.8	0.003	0.17	1.06	46.7	1	1.0	108.5	0.22	<0.05	2.21	0.787	0.27	0.8	582
21134		67.6	0.003	0.13	1.28	47.6	1	0.9	116.5	0.20	<0.05	1.79	0.882	0.28	0.6	672
21135		82.3	<0.002	0.09	1.21	41.0	1	1.0	152.0	0.16	<0.05	1.48	0.379	0.51	0.5	238
21136		67.5	0.003	0.18	1.63	42.0	1	3.0	128.0	0.18	0.05	1.77	0.422	0.36	4.5	260
21137		92.2	<0.002	0.10	2.96	43.0	1	1.0	132.5	0.16	<0.05	1.66	0.411	0.50	0.7	260
21138		90.4	<0.002	0.10	0.42	39.5	1	1.5	143.0	0.19	<0.05	2.01	0.502	0.48	0.7	281
21139		64.8	<0.002	0.18	0.35	36.9	1	3.3	126.5	0.18	<0.05	1.72	0.487	0.33	1.0	278
21140		68.6	0.003	0.21	0.37	36.4	1	3.3	118.0	0.21	<0.05	2.06	0.435	0.32	1.8	221
21141		10.4	0.052	7.81	2.98	8.0	22	2.2	185.0	0.29	4.17	0.98	0.526	0.16	0.3	77
21142		88.8	<0.002	0.09	0.46	38.5	<1	1.6	132.5	0.18	<0.05	1.83	0.415	0.42	0.6	226
21143		73.3	<0.002	0.08	0.34	37.4	1	0.5	113.0	0.10	<0.05	1.02	0.276	0.35	0.3	188
21144		102.0	<0.002	0.08	0.30	39.7	<1	0.8	156.0	0.15	<0.05	1.49	0.367	0.53	0.5	227





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Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	Cu–OG62	Ni–OG62	CRU–QC	PUL–QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Cu %	Ni %	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.001	0.001	0.01	0.01
21105		0.4	55.6	49	246			76.7	91.0
21106		0.3	52.5	178	261				91.6
21107		2.8	52.9	78	243				
21108		4.3	51.6	74	242				
21109		1.8	36.1	81	156.0				
21110		2.0	53.1	73	246				
21111		4.4	48.2	65	232				
21112		6.6	53.6	70	230				
21113		2.6	58.9	79	240				
21114		5.0	47.7	66	227				
21115		6.3	48.9	59	227				
21116		5.7	47.4	59	229				
21117		4.5	51.7	71	225				
21118		2.5	63.4	124	158.5				
21119		0.9	38.1	188	129.0				
21120		1.0	39.0	198	131.0				
21121		2.1	9.4	136	51.6	1.605	4.69		
21122		1.0	36.3	265	112.0				
21123		1.0	28.5	226	89.1				
21124		7.9	84.4	183	51.3				
21125		<0.1	2.0	6	2.1				
21126		0.8	23.5	191	80.0				
21127		0.7	23.4	183	78.2				
21128		1.2	23.0	182	76.0				
21129		1.9	25.7	125	84.3				
21130		0.8	27.8	136	102.5				
21131		0.6	22.3	141	82.6				
21132		0.4	25.1	185	84.7				
21133		0.5	21.6	510	75.2				
21134		0.4	18.5	463	61.2				
21135		0.6	16.5	133	53.9				
21136		2.3	16.8	141	60.6				
21137		0.6	17.0	148	55.4				
21138		0.6	20.2	158	69.7				
21139		2.0	17.6	215	62.4				
21140		1.1	19.6	193	74.8				
21141		2.0	9.1	135	49.5	1.630	4.68		
21142		0.8	18.1	186	62.1				
21143		0.3	10.9	483	36.7				90.4
21144		0.5	15.4	136	52.4			75.4	91.8



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Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
21145		1.81	0.16	7.39	9.5	190	0.40	0.12	5.80	0.33	12.85	56.4	152	0.87	107.5	7.53
21146		2.31	0.06	7.61	4.7	200	0.36	0.05	5.74	0.15	15.20	42.7	118	0.79	114.0	7.34
21147		1.50	0.29	7.11	5.3	280	0.61	0.16	7.69	0.10	27.4	49.6	95	0.51	631	7.03
21148		2.08	0.08	7.38	3.6	290	1.04	0.16	5.60	0.04	18.95	44.3	94	0.58	139.0	7.36
21149		1.25	0.49	7.25	63.9	160	1.42	5.84	4.04	<0.02	39.5	126.0	95	0.31	1560	5.15
21150		1.50	0.07	4.86	7.5	2640	0.65	0.70	0.47	<0.02	26.6	24.8	31	0.55	464	1.01
21151		1.29	0.10	5.46	8.8	1190	1.09	0.49	0.06	<0.02	19.90	83.4	53	0.77	115.5	1.54
R2962		1.54	0.03	7.95	4.5	760	3.09	0.65	0.04	<0.02	32.4	43.5	69	2.32	21.5	2.61



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**CERTIFICATE OF ANALYSIS SD22059323**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21145		13.85	0.08	1.2	0.055	1.39	5.4	54.7	4.98	1550	0.36	1.97	2.0	109.5	240	82.3
21146		14.50	0.08	1.5	0.059	1.51	6.1	54.3	4.71	1420	0.37	1.88	2.2	106.0	260	6.2
21147		14.85	0.09	1.3	0.081	1.24	12.8	49.5	4.00	1360	0.83	1.76	2.1	99.9	250	12.0
21148		13.80	0.07	1.3	0.073	0.89	7.9	68.9	4.34	1345	0.53	2.16	2.0	103.0	250	8.3
21149		17.40	0.08	1.4	0.058	1.32	18.8	59.0	2.46	760	51.6	3.11	2.3	91.8	280	3.5
21150		8.79	0.09	1.3	0.017	4.57	13.5	17.8	0.32	93	3.80	0.73	1.7	13.8	50	1.9
21151		11.60	0.10	2.2	0.020	4.51	9.6	21.3	0.47	83	9.86	0.68	2.2	41.5	80	2.4
R2962		19.95	0.11	3.6	0.027	5.16	16.8	14.8	0.51	39	1.54	0.27	3.9	43.5	60	2.3



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 Account: BMRPLLBW

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**CERTIFICATE OF ANALYSIS SD22059323**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21145		70.4	<0.002	0.10	0.40	38.9	1	0.8	126.0	0.14	<0.05	1.34	0.367	0.33	0.5	219
21146		75.6	<0.002	0.08	0.43	38.9	<1	0.6	147.0	0.16	<0.05	1.54	0.378	0.39	0.5	226
21147		63.6	<0.002	0.14	0.53	37.2	1	2.3	191.5	0.14	0.06	1.50	0.352	0.29	1.7	219
21148		43.0	0.002	0.04	0.32	36.4	1	0.6	123.5	0.14	<0.05	1.46	0.352	0.18	0.6	216
21149		33.9	0.029	0.24	0.21	32.7	2	2.9	59.9	0.16	0.17	2.40	0.339	0.25	3.7	212
21150		115.5	<0.002	0.11	0.14	3.0	1	1.0	60.7	0.17	<0.05	3.67	0.062	0.53	1.0	26
21151		129.0	0.005	0.06	0.18	3.8	<1	1.3	30.2	0.19	0.06	6.00	0.087	0.54	1.2	38
R2962		188.0	<0.002	<0.01	0.29	7.6	<1	1.2	30.0	0.35	<0.05	9.25	0.170	0.67	1.2	58



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Project: Gowganda (Bald Rock)-GBR22-009

**CERTIFICATE OF ANALYSIS SD22059323**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Cu %	Ni %	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.001	0.001	0.01	0.01
21145		0.5	15.7	197	49.9				
21146		0.3	16.8	138	54.5				
21147		0.9	23.4	128	50.6				
21148		0.3	18.8	143	52.5				
21149		1.1	20.9	81	56.1				
21150		0.7	5.0	7	48.9				
21151		0.7	5.5	8	81.4				
R2962		0.4	7.2	4	134.0				



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**CERTIFICATE OF ANALYSIS SD22059323**

	<b>CERTIFICATE COMMENTS</b>								
Applies to Method:	<p style="text-align: center;"><b>ANALYTICAL COMMENTS</b></p> <p>REEs may not be totally soluble in this method.            ME-MS61</p>								
Applies to Method:	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 33%;">LOG-24</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-24	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-24						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Cu-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;">ME-OG62</td> <td style="width: 33%;">Ni-OG62</td> </tr> </table>	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62				
Cu-OG62	ME-MS61	ME-OG62	Ni-OG62						



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**CERTIFICATE SD22059326**

Project: Gowganda (Bald Rock)-GBR22-010  
 P.O. No.: GBR22-010  
 This report is for 44 samples of 1/2 Core submitted to our lab in Sudbury, ON, Canada on 9-MAR-2022.  
 The following have access to data associated with this certificate:

PETER DOYLE FRANK PLOEGER	SEAN HICKS	KAJAL MAKWANA
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login – Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login – Rcd w/o BarCode
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Aq-OG62	Ore Grade Ag – Four Acid	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.  
 \*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, Director, North Vancouver Operations





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**CERTIFICATE OF ANALYSIS SD22059326**

Sample Description	Method	WEI–21	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
21152		1.60	0.18	5.92	10.3	830	1.40	0.18	0.91	0.04	89.5	36.4	16	1.14	297	8.73
21153		1.69	0.37	5.94	11.9	850	1.42	0.30	0.73	<0.02	109.0	81.6	17	1.89	811	9.02
21154		1.77	0.19	5.98	7.1	710	1.68	0.14	0.87	<0.02	78.7	31.9	13	1.73	243	8.96
21155		1.81	0.12	6.14	8.9	870	1.50	0.18	1.19	<0.02	73.0	18.8	14	2.02	161.5	9.31
21156		1.49	0.66	5.93	24.1	790	1.51	0.68	1.24	0.04	84.4	178.5	14	0.90	2950	8.86
21157		1.39	0.13	6.06	7.1	820	1.32	0.11	1.43	0.02	76.7	21.6	14	0.45	390	7.96
21158		0.98	0.27	5.79	11.4	890	1.38	0.31	2.90	0.02	70.1	20.5	11	0.56	352	7.67
21159		0.92	0.10	5.97	7.2	950	1.49	0.13	1.51	<0.02	83.0	16.7	14	1.08	31.7	8.70
21160		0.73	0.09	5.91	6.5	960	1.40	0.13	1.45	<0.02	72.6	15.8	12	1.15	27.3	8.77
21161		0.07	>100	4.30	691	300	0.78	58.3	4.30	0.63	25.7	31.9	32	2.59	4920	2.18
21162		1.68	1.31	5.24	143.0	520	1.10	1.18	3.32	0.09	67.1	332	17	0.61	6460	10.05
21163		1.90	0.11	6.19	11.6	930	1.70	0.21	1.25	0.04	104.0	20.0	15	1.25	47.4	9.44
21164		1.68	0.17	6.30	16.6	970	1.82	0.39	1.30	0.22	84.0	20.9	11	1.02	29.1	9.63
21165		1.64	0.23	6.55	14.1	600	1.38	0.58	2.49	0.15	63.6	30.5	7	1.04	30.7	11.95
21166		1.45	0.07	6.54	17.0	480	1.03	0.10	3.74	0.08	52.1	42.5	3	1.23	38.7	12.40
21167		1.83	0.14	6.39	28.8	560	0.83	0.14	3.92	0.15	33.9	54.2	2	2.08	46.2	13.75
21168		1.06	0.35	6.50	84.9	590	1.08	2.14	5.03	0.04	26.2	89.3	2	1.56	375	11.30
21169		0.84	0.84	6.41	215	2800	1.02	1.85	5.99	0.20	33.7	197.5	3	0.32	1155	5.14
21170		1.41	0.45	6.24	52.0	260	1.93	1.67	5.22	0.04	33.5	60.1	2	0.34	503	9.63
21171		0.91	0.26	6.40	30.2	190	1.18	0.67	5.01	<0.02	35.8	40.2	2	0.40	428	8.45
21172		0.96	0.32	3.61	457	60	0.89	1.61	18.50	0.37	42.1	338	1	0.26	76.7	5.42
21173		1.44	0.15	6.02	25.0	230	1.04	0.33	4.51	0.08	39.1	48.9	2	0.42	59.9	11.90
21174		2.05	0.07	6.69	9.5	230	0.65	0.13	4.44	0.03	27.1	55.4	6	0.86	119.0	11.20
21175		0.44	<0.01	0.08	0.2	20	0.07	0.01	33.1	0.03	0.97	0.8	1	0.06	3.4	0.16
21176		1.18	12.05	4.46	36.4	240	0.82	0.58	4.15	0.52	15.95	570	5	0.81	>10000	16.55
21177		1.30	3.73	4.99	479	330	1.11	24.8	6.80	0.02	29.1	773	6	0.91	7320	15.60
21178		1.71	16.50	3.48	1090	160	0.76	49.5	6.78	0.45	7.40	881	5	0.29	>10000	10.05
21179		0.59	0.25	6.80	46.7	530	1.15	0.66	6.37	0.02	30.9	166.0	6	0.91	613	7.87
21180		0.65	0.28	6.74	42.1	570	1.16	0.63	6.34	<0.02	31.4	165.0	6	0.85	538	7.81
21181		0.12	3.97	5.39	12.2	80	0.52	0.81	3.47	2.00	16.80	954	265	0.73	>10000	18.15
R2961		2.57	0.08	6.92	9.9	280	0.69	0.12	4.89	0.10	23.8	51.4	5	0.69	122.0	10.10
21182		1.20	0.54	6.98	5.3	180	0.75	0.22	4.48	0.36	18.15	86.4	19	1.03	1065	9.89
21183		1.29	0.24	7.68	4.8	140	1.10	0.17	5.48	0.08	19.70	69.6	33	0.61	426	8.49
21184		1.46	0.17	7.10	5.4	280	0.59	0.14	5.49	0.06	26.3	44.6	30	0.76	531	8.39
21185		1.80	0.32	7.27	13.5	210	1.12	0.15	5.19	0.06	14.60	49.7	39	0.77	634	7.28
21186		0.93	0.16	7.91	9.7	270	0.33	0.12	6.62	1.10	13.70	48.2	76	1.41	158.5	7.64
21187		1.59	0.06	7.23	4.0	190	0.35	0.04	6.10	0.08	14.15	41.6	112	1.12	112.0	7.13
21188		1.39	0.07	7.17	2.6	130	0.74	0.07	5.03	0.04	14.90	43.5	105	0.68	98.6	7.13
21189		1.04	0.13	6.54	13.2	200	1.33	0.53	2.89	<0.02	88.0	78.3	90	0.54	619	5.87
21190		2.17	0.06	4.47	3.1	1940	0.56	0.08	0.20	<0.02	22.6	4.8	32	0.59	116.0	0.78



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**CERTIFICATE OF ANALYSIS SD22059326**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21152		21.8	0.16	5.7	0.037	3.09	47.4	28.7	1.06	676	2.21	1.67	9.4	16.0	1060	60.5
21153		23.8	0.17	5.6	0.049	2.91	55.0	33.2	1.35	723	4.41	1.54	9.6	16.1	1080	31.0
21154		19.95	0.15	5.8	0.105	2.28	37.6	26.4	0.77	738	2.23	2.14	10.1	3.2	1070	6.9
21155		19.20	0.13	6.1	0.171	2.30	37.4	22.6	0.60	792	1.90	2.34	10.7	2.0	1130	6.2
21156		23.0	0.14	6.0	0.082	2.35	42.5	37.9	1.23	704	4.16	1.69	9.8	16.4	1120	7.9
21157		20.4	0.14	6.2	0.076	2.47	38.6	34.5	0.87	652	2.05	1.91	9.4	3.1	1140	4.7
21158		19.50	0.15	5.7	0.069	2.35	35.3	33.2	0.75	722	3.72	1.97	8.8	5.1	1030	21.6
21159		19.30	0.14	6.1	0.105	2.36	44.2	26.5	0.67	767	1.93	2.21	10.1	1.5	1090	6.1
21160		18.60	0.11	6.1	0.113	2.43	39.5	24.4	0.67	769	1.59	2.16	9.1	1.5	1090	5.9
21161		19.80	0.12	2.5	5.34	0.67	15.4	21.3	0.19	221	4.12	0.44	6.8	57.5	560	1025
21162		20.3	0.11	5.5	0.151	1.93	34.3	36.1	1.04	752	7.59	1.62	8.1	28.7	1020	9.2
21163		20.3	0.13	6.1	0.171	2.15	54.9	22.8	0.76	866	1.85	2.71	9.5	2.7	1150	9.2
21164		20.2	0.13	6.0	0.165	2.15	43.8	21.1	0.73	889	1.70	2.79	10.8	2.0	1340	18.0
21165		20.6	0.12	4.3	0.187	1.67	28.2	23.8	1.21	1290	1.82	2.93	7.6	1.8	850	22.5
21166		19.75	0.09	3.2	0.181	1.35	23.5	26.3	1.66	1805	0.82	2.82	5.1	1.2	530	22.0
21167		19.35	0.07	2.6	0.124	1.18	17.5	50.4	2.33	1890	1.04	2.15	4.2	5.3	450	43.6
21168		20.1	0.07	2.3	0.143	1.31	13.5	51.0	2.12	1900	0.91	2.29	3.9	13.8	410	11.9
21169		19.90	0.07	2.9	0.198	1.05	15.8	65.2	1.52	993	4.48	3.02	4.7	22.9	520	124.5
21170		19.80	0.07	2.6	0.154	0.59	16.9	49.7	2.10	1505	2.61	2.49	4.4	10.5	460	17.8
21171		18.55	0.07	3.1	0.162	0.72	17.0	36.6	1.68	1325	1.29	2.93	4.8	8.0	590	6.4
21172		11.90	0.08	1.5	0.267	0.30	22.7	26.9	1.16	1890	4.18	1.52	2.4	19.1	250	46.3
21173		18.00	0.08	3.1	0.148	1.00	20.1	29.8	2.12	1860	1.00	2.48	4.0	8.5	480	23.5
21174		17.10	0.07	2.3	0.096	1.45	13.7	32.6	2.73	1455	0.86	2.30	2.9	26.9	370	3.8
21175		0.31	<0.05	<0.1	0.015	0.02	1.1	1.5	2.40	109	0.06	0.03	0.1	0.8	60	1.1
21176		14.35	0.06	1.2	0.361	0.99	8.0	33.7	1.61	972	3.97	1.07	1.5	92.2	210	10.2
21177		22.7	0.08	1.5	0.198	0.93	15.0	43.3	2.04	1415	24.0	1.14	2.0	159.5	310	16.3
21178		12.70	0.07	1.1	0.948	0.38	1.5	42.4	1.23	1070	6.24	1.45	1.5	177.0	220	88.9
21179		18.90	0.06	2.1	0.168	1.13	16.6	43.8	2.01	1295	1.42	2.19	3.1	30.8	380	23.1
21180		17.95	0.06	2.2	0.148	1.11	16.8	42.5	2.00	1325	1.44	2.24	3.2	30.8	390	31.3
21181		10.25	0.19	1.2	0.117	0.31	6.9	9.2	3.99	972	4.10	1.18	4.2	>10000	460	12.7
R2961		17.40	0.06	2.2	0.088	1.55	11.4	32.7	2.65	1720	0.78	2.17	3.2	34.9	370	17.0
21182		17.75	0.06	1.7	0.089	1.34	8.0	43.4	3.77	1175	1.00	1.78	2.4	57.2	310	35.4
21183		21.7	0.06	1.6	0.078	0.84	9.2	68.2	3.37	1310	1.02	2.60	2.1	69.1	290	166.0
21184		15.10	0.06	1.5	0.068	1.81	14.2	42.9	3.77	1295	0.93	1.70	2.0	68.3	270	11.4
21185		16.70	0.06	1.3	0.104	1.47	6.6	50.4	3.53	1280	0.64	2.07	1.8	70.9	230	4.7
21186		14.70	0.05	1.4	0.056	1.76	6.1	43.3	4.64	1690	0.38	1.69	1.8	98.6	230	21.3
21187		13.30	0.06	1.3	0.054	1.95	6.1	29.2	4.36	1285	0.36	1.37	1.9	95.3	260	5.3
21188		13.40	0.06	1.3	0.063	1.13	6.7	53.5	4.29	1290	0.36	2.01	1.8	95.7	250	19.6
21189		29.3	0.11	1.3	0.076	1.41	46.3	52.1	2.31	746	3.48	2.49	1.6	130.5	230	3.6
21190		7.69	0.07	1.2	0.010	4.55	12.4	9.2	0.21	71	2.04	0.57	1.2	7.8	50	2.3



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Project: Gowganda (Bald Rock)–GBR22–010

**CERTIFICATE OF ANALYSIS SD22059326**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21152		70.6	0.002	0.12	0.33	18.5	<1	1.9	44.8	0.67	<0.05	8.09	0.459	0.35	4.8	7
21153		78.0	0.005	0.23	0.36	17.8	1	1.8	53.0	0.65	<0.05	8.22	0.464	0.33	4.3	6
21154		65.6	<0.002	0.09	0.30	18.9	1	1.2	63.6	0.66	<0.05	7.38	0.472	0.31	2.8	4
21155		70.5	0.002	0.05	0.31	20.1	<1	0.9	78.4	0.71	<0.05	8.39	0.489	0.37	2.7	4
21156		51.9	0.007	0.52	0.54	18.2	1	2.5	44.5	0.67	0.12	8.49	0.466	0.25	6.5	7
21157		50.9	<0.002	0.04	0.38	19.3	1	1.8	33.0	0.66	<0.05	8.86	0.450	0.25	3.5	4
21158		51.8	<0.002	0.05	0.30	17.9	<1	1.5	49.5	0.60	<0.05	8.08	0.436	0.25	3.7	9
21159		55.2	<0.002	0.01	0.28	19.8	1	1.0	60.2	0.71	<0.05	7.63	0.469	0.25	2.7	4
21160		55.7	<0.002	0.02	0.32	21.2	1	1.1	55.9	0.72	<0.05	7.88	0.468	0.23	3.0	4
21161		28.1	<0.002	2.07	83.3	4.3	33	5.3	451	0.55	44.6	6.59	0.212	1.61	2.5	32
21162		40.6	0.017	1.14	0.61	20.0	1	6.8	33.2	0.60	0.32	7.09	0.419	0.19	6.2	12
21163		55.0	0.002	0.02	0.29	24.2	<1	1.4	73.5	0.68	<0.05	8.41	0.512	0.22	3.0	5
21164		58.1	<0.002	0.02	0.31	25.1	<1	1.5	92.3	0.66	<0.05	7.12	0.536	0.22	3.2	4
21165		54.1	0.003	0.07	0.30	38.4	1	1.8	111.0	0.52	<0.05	4.56	0.939	0.21	2.3	50
21166		57.5	0.002	0.16	0.58	48.7	1	1.5	133.5	0.40	<0.05	4.18	1.120	0.24	2.0	190
21167		60.2	0.005	0.22	0.76	53.6	1	1.4	106.5	0.34	<0.05	3.09	1.260	0.39	1.1	488
21168		59.6	0.008	0.26	0.79	59.1	1	1.3	99.8	0.30	<0.05	2.59	1.300	0.49	1.0	734
21169		23.3	0.004	0.41	0.72	50.0	1	1.7	93.6	0.35	<0.05	3.57	1.190	0.12	2.1	549
21170		18.4	0.005	0.21	0.52	52.9	1	1.4	60.7	0.34	<0.05	3.36	1.160	0.11	1.5	578
21171		27.8	0.003	0.18	0.42	44.6	1	1.5	75.0	0.37	<0.05	3.82	0.980	0.10	1.6	452
21172		11.2	0.004	0.13	0.67	43.9	1	0.9	84.3	0.18	<0.05	1.84	0.639	0.10	1.1	345
21173		41.4	0.005	0.16	0.54	47.5	1	1.3	84.6	0.33	<0.05	3.78	0.985	0.17	2.0	503
21174		70.7	0.002	0.14	2.87	49.0	1	0.9	88.5	0.23	<0.05	2.80	0.758	0.23	1.2	549
21175		0.6	<0.002	<0.01	0.19	0.4	1	<0.2	79.1	<0.05	<0.05	0.07	0.009	<0.02	0.2	4
21176		44.6	0.013	4.84	2.31	33.5	3	8.9	83.8	0.12	0.44	1.40	0.478	0.19	18.6	384
21177		46.0	0.017	1.49	3.05	41.8	2	18.8	85.8	0.16	0.35	1.92	0.551	0.19	24.8	396
21178		9.5	0.020	6.78	4.68	26.2	2	7.1	444	0.12	0.39	0.80	0.430	0.08	12.0	296
21179		54.4	0.006	0.34	2.40	49.6	1	2.2	180.0	0.25	0.11	2.56	0.757	0.21	2.2	484
21180		52.9	0.007	0.34	2.31	47.0	1	3.4	161.0	0.25	0.14	2.71	0.812	0.20	2.9	510
21181		9.8	0.044	8.04	2.66	8.5	19	2.3	177.5	0.29	4.54	0.97	0.518	0.15	0.3	77
R2961		78.4	<0.002	0.13	2.18	48.4	1	1.1	106.0	0.25	<0.05	2.65	0.659	0.28	0.9	386
21182		67.8	0.002	0.28	0.52	42.0	<1	1.3	94.9	0.19	0.05	2.08	0.463	0.34	1.5	268
21183		38.8	<0.002	0.16	0.40	43.0	<1	6.2	61.1	0.17	0.05	1.95	0.402	0.15	6.0	247
21184		60.1	<0.002	0.13	0.67	40.2	<1	2.7	93.6	0.16	<0.05	2.07	0.354	0.27	1.0	219
21185		52.3	<0.002	0.13	0.56	39.8	<1	2.0	101.0	0.14	<0.05	1.46	0.361	0.26	0.8	225
21186		89.8	<0.002	0.08	1.16	44.7	<1	0.8	131.0	0.14	<0.05	1.49	0.353	0.41	0.5	224
21187		106.5	<0.002	0.08	0.32	41.7	1	0.6	122.5	0.15	<0.05	1.57	0.368	0.51	0.5	223
21188		45.9	<0.002	0.04	0.32	37.9	<1	0.7	133.5	0.14	<0.05	1.42	0.358	0.24	1.1	219
21189		42.5	0.003	0.19	0.35	33.3	<1	6.2	37.9	0.14	0.08	1.98	0.264	0.18	11.8	219
21190		118.5	<0.002	0.05	0.16	1.6	<1	1.0	38.5	0.14	<0.05	3.28	0.042	0.53	1.0	11



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**CERTIFICATE OF ANALYSIS SD22059326**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	Ag–OG62	Cu–OG62	Ni–OG62	CRU–QC	PUL–QC
		W	Y	Zn	Zr	Ag	Cu	Ni	Pass2mm	Pass75um
		ppm	ppm	ppm	ppm	ppm	%	%	%	%
		0.1	0.1	2	0.5	1	0.001	0.001	0.01	0.01
21152		1.4	43.4	80	224				72.9	92.7
21153		1.2	48.7	86	220					92.2
21154		0.6	57.3	71	226					
21155		0.7	52.9	68	231					
21156		1.7	51.0	79	231					
21157		1.4	59.8	80	241					
21158		1.0	51.6	71	221					
21159		1.0	44.3	73	238					
21160		0.9	45.7	73	229					
21161		11.7	6.2	3960	84.5	118				
21162		2.1	43.7	90	204					
21163		0.6	57.1	79	229					
21164		0.4	55.0	116	226					
21165		0.7	52.7	118	157.5					
21166		0.6	38.9	116	118.0					
21167		0.6	29.1	180	94.4					
21168		0.9	24.5	139	82.7					
21169		2.0	25.6	127	107.5					
21170		0.9	33.5	164	98.4					
21171		0.7	34.1	123	110.5					
21172		0.6	36.9	143	54.0					
21173		0.7	32.7	143	108.5					
21174		0.5	24.4	114	84.0					
21175		<0.1	2.0	11	1.8					
21176		5.9	19.0	68	42.3		4.65			
21177		20.1	28.8	51	52.9					
21178		5.2	22.3	68	40.5		5.06			
21179		2.4	26.5	102	76.7					
21180		2.6	26.9	102	78.3					
21181		2.0	9.1	136	46.0		1.625	4.67		
R2961		0.7	23.4	126	78.8					
21182		1.0	18.8	175	61.1					
21183		5.1	16.4	148	57.2					
21184		2.1	18.2	89	54.5					
21185		1.7	14.2	87	48.3					
21186		0.6	15.6	253	49.3					
21187		0.3	17.3	82	49.9					
21188		0.5	19.4	159	48.2					
21189		4.9	29.9	57	46.9					91.8
21190		0.8	4.4	5	39.6				74.0	92.3



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**CERTIFICATE OF ANALYSIS SD22059326**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
21191		1.39	0.11	4.58	3.0	590	0.37	0.56	0.67	<0.02	132.5	10.5	39	0.43	19.0	0.86
21192		1.29	0.06	4.49	3.8	190	0.36	0.18	4.63	<0.02	364	64.7	29	0.20	80.6	3.62
21193		2.34	0.03	4.23	0.9	1530	0.43	0.07	3.74	<0.02	132.5	30.6	33	0.23	98.8	2.89
21194		2.01	0.04	5.47	1.8	830	0.33	0.05	1.58	<0.02	41.0	11.7	51	0.25	22.8	2.11



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**CERTIFICATE OF ANALYSIS SD22059326**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21191		11.95	0.15	1.2	0.012	4.92	65.9	8.8	0.24	125	15.30	0.62	1.9	20.4	90	2.2
21192		44.7	0.26	1.0	0.036	2.31	197.0	33.7	1.43	769	11.75	1.06	1.7	159.0	120	2.0
21193		42.4	0.14	1.1	0.025	1.46	71.2	39.3	1.39	640	6.00	1.64	0.9	93.1	70	1.2
21194		37.0	0.10	1.8	0.017	4.32	21.4	28.8	1.01	318	2.36	1.20	1.4	54.4	50	0.8

\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*



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<b>CERTIFICATE OF ANALYSIS</b>	<b>SD22059326</b>
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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61			
					Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
					ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21191					112.5	<0.002	0.03	0.10	5.3	<1	2.3	20.5	0.18	<0.05	9.39	0.052	0.55	1.8	77
21192					41.5	0.010	0.19	0.12	43.5	1	2.1	25.8	0.16	<0.05	34.1	0.069	0.21	1.7	398
21193					28.7	0.006	0.10	0.09	24.6	<1	1.0	47.4	0.16	<0.05	21.5	0.045	0.14	0.6	163
21194					82.8	<0.002	0.02	0.09	19.4	<1	0.3	19.4	0.35	<0.05	10.45	0.100	0.44	0.9	180





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**CERTIFICATE OF ANALYSIS SD22059326**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Cu %	Ni %	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	1	0.001	0.001	0.01	0.01
21191		0.8	10.3	6	45.2					
21192		0.5	25.3	26	33.7					
21193		0.5	12.0	20	39.2					
21194		0.5	6.3	17	66.7					



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**CERTIFICATE OF ANALYSIS SD22059326**

	<b>CERTIFICATE COMMENTS</b>								
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;">LOG-24</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-24	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-24						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Ag-OG62</td> <td style="width: 33%;">Cu-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 15%;">ME-OG62</td> </tr> <tr> <td>Ni-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Ag-OG62	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62			
Ag-OG62	Cu-OG62	ME-MS61	ME-OG62						
Ni-OG62									



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To: NORTH AMERICAN COBALT – BATTERY  
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 SUITE 400, 744 WEST HASTINGS STREET  
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**CERTIFICATE SD22064776**

Project: Gowganda (Bald Rock)-GBR22-011  
 P.O. No.: GBR22-011  
 This report is for 47 samples of 1/2 Core submitted to our lab in Sudbury, ON, Canada on 15-MAR-2022.  
 The following have access to data associated with this certificate:

PETER DOYLE FRANK PLOEGER	SEAN HICKS	KAJAL MAKWANA
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login – Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login – Rcd w/o BarCode
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

**Signature:**   
 Saa Traxler, Director, North Vancouver Operations



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Project: Gowganda (Bald Rock)–GBR22–011

**CERTIFICATE OF ANALYSIS SD22064776**

Sample Description	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	
	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	
21195	0.61	0.13	6.07	24.8	910	1.88	0.26	1.22	0.05	67.8	18.8	11	3.57	35.8	7.78	
21196	1.64	0.24	5.93	23.4	460	1.44	0.31	1.18	0.03	117.5	94.3	12	1.48	69.5	7.33	
21197	1.36	0.51	5.89	19.1	320	1.30	0.63	2.00	0.06	163.5	226	11	2.09	698	9.69	
21198	1.07	0.85	5.98	63.3	370	1.40	2.00	1.96	0.02	75.5	163.5	12	1.28	360	8.14	
21199	0.61	0.22	6.03	21.3	260	1.46	0.55	1.84	<0.02	44.0	32.6	15	0.84	54.4	6.72	
21200	0.47	0.31	6.09	36.4	270	1.30	0.92	2.19	<0.02	48.1	51.0	13	0.86	54.1	6.86	
21201	0.11	4.18	5.59	13.6	120	0.49	0.86	3.49	2.13	17.20	1010	277	0.74	>10000	18.20	
21202	1.05	0.35	5.74	53.1	630	1.58	0.53	1.16	<0.02	79.6	76.6	7	1.79	540	9.58	
21203	0.94	0.61	4.94	25.8	570	1.30	0.83	2.83	<0.02	74.0	350	7	1.36	1735	10.15	
21204	1.91	0.11	6.13	32.1	810	1.44	0.30	1.59	<0.02	85.1	23.9	9	1.43	96.1	8.28	
21205	2.13	0.12	6.19	28.4	420	1.68	0.36	2.83	0.02	80.2	22.3	4	1.21	102.5	9.75	
21206	2.06	0.11	6.34	27.5	340	1.38	0.29	2.54	<0.02	61.0	23.1	4	0.77	163.0	7.88	
21207	1.95	0.16	6.47	15.1	470	0.95	0.16	2.16	<0.02	89.0	13.5	6	0.49	158.0	6.39	
21208	1.78	0.14	6.19	8.6	220	1.32	0.21	2.02	<0.02	76.4	12.4	6	0.38	469	6.89	
21209	2.20	0.17	6.36	8.3	250	1.26	0.15	2.36	<0.02	75.5	12.0	6	0.46	600	6.91	
21210	2.72	0.11	6.68	16.7	300	0.58	0.10	4.08	0.80	28.1	52.6	1	0.63	93.7	13.05	
21211	1.20	1.35	5.04	19.2	250	0.70	0.34	6.63	0.04	49.0	65.6	2	0.64	4200	13.95	
21212	2.70	0.27	6.23	9.0	270	0.65	0.78	4.23	0.07	27.3	56.5	1	0.80	122.5	14.00	
21213	1.40	0.25	6.95	9.0	410	0.66	0.31	4.06	0.06	27.2	76.9	3	0.77	436	11.75	
21214	2.86	0.05	7.16	10.5	340	0.57	0.16	4.20	0.09	26.8	51.4	3	0.77	83.3	11.30	
21215	2.34	0.11	7.44	21.8	430	0.73	0.26	4.06	0.18	23.5	65.5	4	0.53	252	11.10	
21216	1.23	26.4	5.10	1365	370	0.64	63.1	13.45	46.5	32.5	1090	5	0.08	7670	5.78	
21217	1.80	0.23	6.99	18.7	560	0.90	0.36	4.02	0.40	22.4	98.0	4	0.61	462	12.25	
21218	1.20	12.40	4.79	106.5	330	0.78	0.57	10.90	14.60	33.0	248	3	0.21	>10000	11.65	
21219	0.45	1.85	6.03	1350	480	0.50	4.12	9.39	0.11	55.1	1010	4	0.35	2360	9.72	
21220	0.44	2.32	6.08	1055	560	0.55	3.78	9.03	0.07	51.9	813	4	0.32	1535	10.05	
21221	0.11	3.97	5.56	14.4	120	0.48	0.83	3.49	2.01	16.65	986	277	0.73	>10000	17.90	
21222	2.27	0.13	6.81	13.2	240	0.50	0.20	4.12	0.09	22.3	59.7	4	0.43	161.5	11.00	
21223	0.97	0.30	6.90	8.4	190	0.45	0.17	5.28	0.25	16.20	74.4	20	0.92	391	8.68	
21224	1.28	0.14	7.24	5.2	230	0.39	0.19	5.74	0.25	15.45	42.9	23	0.91	135.5	7.96	
21225	0.46	<0.01	0.10	<0.2	20	<0.05	0.01	33.7	0.02	0.99	1.2	1	<0.05	3.1	0.13	
21226	1.23	0.31	7.23	6.7	130	0.60	0.21	3.28	2.77	14.60	110.5	25	0.73	517	9.94	
21227	1.10	0.13	7.42	5.1	170	0.52	0.17	5.38	1.12	17.65	45.4	24	0.65	160.5	8.53	
21228	1.86	0.12	7.57	8.7	200	0.38	0.16	5.79	0.25	18.90	43.9	28	1.10	153.5	8.78	
21229	1.49	0.34	7.29	6.8	110	0.61	0.40	4.93	0.25	16.65	45.4	32	0.47	160.5	8.72	
21230	1.57	0.82	6.37	587	40	1.60	13.85	9.05	0.14	21.6	405	30	0.21	566	4.76	
21231	1.51	0.31	8.03	203	100	1.57	2.19	5.10	0.09	16.20	155.5	44	0.46	130.5	6.18	
21232	2.62	0.13	7.49	6.3	180	0.33	0.07	6.00	0.24	14.60	44.6	114	0.95	243	7.24	
21233	2.41	0.10	7.43	6.5	200	0.32	0.04	5.88	0.09	14.55	43.9	109	1.21	108.5	7.03	
21234	2.12	0.04	7.31	3.4	140	0.59	0.07	4.70	0.04	14.75	42.9	99	0.76	97.0	7.05	



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Project: Gowganda (Bald Rock)-GBR22-011

**CERTIFICATE OF ANALYSIS SD22064776**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21195		20.1	0.15	6.1	0.214	2.94	32.5	27.0	0.74	958	1.40	2.07	9.6	1.8	1040	6.5
21196		29.2	0.16	6.4	0.034	2.31	60.2	41.2	1.98	559	3.99	1.60	8.3	35.4	1020	14.0
21197		36.1	0.21	6.2	0.073	1.35	82.3	51.9	2.77	871	4.22	1.39	8.6	55.0	1120	18.9
21198		28.0	0.14	6.4	0.098	1.84	36.9	51.9	2.12	736	11.00	1.58	9.0	32.8	1040	18.3
21199		21.2	0.12	6.0	0.093	1.60	20.7	46.8	1.61	581	4.89	2.04	7.7	9.8	970	14.4
21200		22.1	0.13	5.9	0.099	1.75	23.5	48.8	1.67	634	8.51	1.92	8.5	13.6	990	20.4
21201		10.85	0.29	1.2	0.125	0.32	6.9	8.9	4.04	1040	4.91	1.19	4.6	>10000	480	14.0
21202		20.2	0.15	5.7	0.107	2.05	38.5	22.2	0.89	886	5.83	1.88	8.4	15.6	1040	8.9
21203		19.70	0.14	4.8	0.104	1.58	34.7	29.0	1.04	793	11.65	1.42	7.3	23.5	920	7.3
21204		19.05	0.14	6.5	0.158	2.25	44.2	21.0	0.63	756	2.14	2.05	9.3	2.3	1100	9.5
21205		19.15	0.14	5.2	0.230	1.12	37.7	30.4	1.14	963	1.36	2.26	9.2	1.0	990	8.2
21206		20.0	0.13	5.2	0.163	1.17	28.0	37.0	1.27	702	1.19	2.29	8.7	1.9	890	6.0
21207		19.00	0.13	6.1	0.111	1.87	47.8	33.8	1.09	570	1.12	2.33	8.6	2.8	1360	3.8
21208		20.2	0.13	6.1	0.117	1.66	41.5	39.7	1.25	625	1.90	2.11	8.8	3.6	1170	3.5
21209		19.70	0.14	6.1	0.135	1.68	40.1	35.1	1.22	737	1.34	2.34	9.0	4.4	1220	4.2
21210		19.25	0.10	2.3	0.103	1.59	13.6	24.4	2.30	2020	0.69	2.25	3.5	29.8	410	104.0
21211		16.90	0.12	1.9	0.202	0.86	22.3	25.7	1.75	1355	6.52	1.85	2.8	20.3	350	9.3
21212		19.25	0.09	2.4	0.125	1.28	12.9	25.4	2.48	2080	0.78	2.12	4.0	25.0	410	19.6
21213		19.35	0.09	2.2	0.103	1.51	13.4	28.0	2.56	1600	7.92	2.16	3.3	26.2	400	8.2
21214		19.20	0.09	2.3	0.095	1.75	12.6	27.6	2.43	1790	0.56	2.22	3.2	22.8	400	7.9
21215		18.40	0.09	2.2	0.114	1.53	10.9	27.1	2.64	1700	0.89	2.42	3.3	23.9	390	11.6
21216		17.10	0.08	1.7	0.645	0.60	16.8	12.6	1.21	1125	33.9	1.16	2.7	105.5	290	3550
21217		19.85	0.09	2.2	0.105	1.32	10.6	30.8	2.50	1575	1.45	2.14	2.9	32.9	370	14.1
21218		16.65	0.09	1.2	0.333	0.61	17.6	15.7	1.94	1445	3.58	0.88	1.8	54.9	260	1205
21219		17.95	0.11	1.5	0.362	1.01	24.4	29.0	2.31	1545	10.60	1.78	2.5	143.5	280	52.9
21220		18.70	0.12	1.7	0.380	1.05	24.3	29.8	2.36	1630	11.20	1.77	2.7	112.0	300	49.4
21221		10.60	0.29	1.2	0.119	0.32	6.6	7.3	3.91	1030	4.82	1.18	4.4	>10000	470	13.1
21222		16.65	0.08	2.1	0.087	1.14	10.6	24.2	2.60	1860	1.05	2.42	3.0	34.3	340	14.3
21223		15.55	0.07	1.6	0.067	1.49	6.9	35.0	3.54	1490	1.33	1.74	2.2	58.6	260	61.8
21224		14.90	0.07	1.6	0.060	1.85	6.3	31.2	3.50	1515	0.56	1.71	2.2	58.8	270	197.0
21225		0.25	<0.05	<0.1	<0.005	0.02	1.1	0.9	1.99	130	0.10	0.04	0.1	0.5	80	1.3
21226		16.90	0.08	1.6	0.074	0.84	6.1	52.6	4.29	1515	1.61	2.10	2.2	60.1	280	512
21227		15.25	0.07	1.8	0.070	1.70	7.3	33.5	3.59	1675	0.50	2.06	2.5	56.6	310	164.5
21228		15.50	0.06	1.8	0.065	1.94	7.9	33.7	3.61	1810	0.63	1.75	2.7	58.2	340	36.7
21229		15.75	0.08	1.8	0.083	1.39	6.7	33.5	3.75	1940	0.77	2.33	2.7	64.4	340	534
21230		17.15	0.08	1.3	0.242	0.41	9.9	42.5	2.06	1345	23.3	2.87	2.1	112.5	240	82.5
21231		19.50	0.09	1.6	0.091	1.04	7.1	45.2	2.82	1295	7.56	3.01	2.4	80.8	300	110.0
21232		13.60	0.07	1.4	0.054	1.18	6.4	39.0	4.42	1525	0.37	1.86	2.0	93.0	260	68.6
21233		13.75	0.08	1.4	0.051	1.47	6.5	35.0	4.38	1400	0.36	1.57	2.1	93.4	250	9.8
21234		12.85	0.09	1.3	0.055	0.93	6.7	48.2	4.76	1325	0.38	2.05	1.9	92.6	250	8.6



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**CERTIFICATE OF ANALYSIS SD22064776**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21195		77.2	<0.002	0.02	0.56	18.6	1	1.1	85.2	0.70	<0.05	8.77	0.454	0.35	2.5	6
21196		54.9	0.011	0.28	0.49	18.8	<1	4.9	42.2	0.66	0.06	9.15	0.414	0.25	15.3	19
21197		37.4	0.011	0.42	0.54	20.1	1	5.0	39.2	0.67	0.14	10.25	0.433	0.19	25.3	57
21198		43.1	0.034	0.30	0.50	17.8	1	2.4	36.4	0.68	0.21	8.64	0.421	0.19	14.7	15
21199		34.9	0.006	0.05	0.35	16.7	<1	1.2	39.8	0.59	<0.05	9.37	0.379	0.16	5.6	7
21200		38.2	0.019	0.07	0.41	17.6	1	1.2	40.0	0.63	<0.05	8.37	0.403	0.18	7.2	8
21201		10.4	0.048	8.25	3.28	7.9	23	2.5	187.5	0.30	4.36	1.04	0.526	0.17	0.3	82
21202		54.8	0.007	0.16	0.39	18.2	<1	4.3	58.3	0.65	<0.05	7.24	0.440	0.25	4.6	8
21203		47.2	0.021	0.71	0.68	17.6	<1	10.5	59.6	0.56	0.21	6.28	0.373	0.22	6.5	30
21204		59.8	0.002	0.06	0.35	18.0	<1	1.6	75.8	0.74	<0.05	8.56	0.465	0.26	3.1	4
21205		30.0	<0.002	0.04	0.42	25.1	<1	1.9	53.9	0.64	<0.05	7.04	0.678	0.14	2.3	13
21206		32.0	<0.002	0.04	0.39	28.3	<1	2.2	49.8	0.63	<0.05	7.17	0.665	0.13	2.5	13
21207		41.0	<0.002	0.04	0.34	19.0	1	2.0	45.8	0.70	<0.05	9.95	0.518	0.18	3.3	5
21208		34.1	0.002	0.08	0.44	18.6	<1	1.8	33.6	0.66	<0.05	8.24	0.451	0.16	3.5	7
21209		36.9	<0.002	0.08	0.35	20.0	<1	2.3	38.7	0.68	<0.05	9.01	0.465	0.16	3.3	7
21210		76.3	0.004	0.15	1.01	47.3	1	1.4	100.5	0.27	<0.05	2.82	1.145	0.32	1.1	722
21211		35.4	0.010	0.56	1.24	38.2	1	13.5	111.5	0.23	0.05	2.29	0.898	0.15	6.8	590
21212		66.6	0.004	0.18	1.42	50.1	1	1.6	95.4	0.32	<0.05	2.67	1.195	0.23	1.0	874
21213		78.0	0.010	0.21	1.60	44.5	1	1.3	113.5	0.25	0.06	2.65	0.805	0.27	5.3	602
21214		93.8	0.003	0.15	2.47	45.4	1	1.2	103.5	0.25	<0.05	2.88	0.829	0.32	1.0	574
21215		76.0	0.002	0.20	2.03	46.8	1	1.2	158.5	0.26	<0.05	2.57	0.817	0.27	0.9	537
21216		13.1	0.009	1.36	13.25	31.2	2	7.2	1465	0.21	0.06	1.94	0.801	0.47	3.3	483
21217		55.5	0.003	0.25	1.51	46.2	1	3.9	174.5	0.23	<0.05	2.57	0.818	0.22	1.9	653
21218		24.4	0.003	3.60	6.04	31.6	2	27.9	779	0.14	0.39	1.51	0.483	0.11	7.4	358
21219		45.1	0.005	0.48	2.54	42.7	1	6.3	168.5	0.19	0.15	1.78	0.747	0.18	13.4	548
21220		44.5	0.004	0.38	2.18	42.2	1	5.4	170.5	0.21	0.10	2.14	0.825	0.19	10.6	617
21221		10.0	0.043	8.14	2.91	7.4	22	2.5	185.0	0.29	4.31	1.13	0.529	0.17	0.3	81
21222		62.7	0.003	0.16	0.96	42.5	1	1.1	115.0	0.24	<0.05	2.48	0.788	0.24	0.9	543
21223		60.9	<0.002	0.18	0.72	36.1	<1	4.1	117.0	0.17	<0.05	1.63	0.394	0.35	0.8	252
21224		65.4	<0.002	0.09	0.78	35.5	1	1.3	115.5	0.18	<0.05	1.74	0.390	0.39	0.6	247
21225		0.7	<0.002	0.01	0.06	0.3	1	<0.2	84.4	<0.05	<0.05	0.07	0.007	<0.02	0.2	2
21226		31.2	0.003	0.26	0.46	35.1	1	3.7	81.4	0.17	0.06	1.79	0.395	0.18	1.3	246
21227		71.7	<0.002	0.10	0.66	37.7	1	1.6	105.5	0.20	<0.05	1.98	0.438	0.32	0.7	260
21228		84.1	<0.002	0.11	0.80	38.7	1	1.7	108.0	0.21	<0.05	2.08	0.472	0.43	0.7	275
21229		39.3	<0.002	0.11	0.46	37.3	1	1.8	94.1	0.21	<0.05	1.78	0.479	0.24	0.7	280
21230		17.7	0.006	0.12	0.48	33.7	1	3.9	58.7	0.15	0.05	1.70	0.353	0.10	12.6	222
21231		48.8	0.003	0.10	0.35	39.4	1	3.5	68.8	0.18	<0.05	1.93	0.428	0.21	5.2	254
21232		64.9	<0.002	0.09	0.21	36.7	1	0.6	164.0	0.14	<0.05	1.56	0.371	0.32	0.5	229
21233		85.2	0.002	0.08	0.67	37.3	1	0.6	154.5	0.15	<0.05	1.57	0.365	0.42	1.2	227
21234		55.6	<0.002	0.07	0.57	34.9	1	0.6	107.0	0.13	<0.05	1.44	0.340	0.28	0.7	217



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**CERTIFICATE OF ANALYSIS SD22064776**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W	Y	Zn	Zr	Cu	Ni	Pass2mm	Pass75um
		ppm	ppm	ppm	ppm	%	%	%	%
		0.1	0.1	2	0.5	0.001	0.001	0.01	0.01
21195		0.4	61.1	70	234			81.0	89.5
21196		5.2	57.2	89	243				94.1
21197		3.7	61.8	132	236				
21198		2.0	51.2	107	246				
21199		1.2	45.4	91	228				
21200		1.4	47.5	92	224				
21201		2.2	9.2	145	50.1	1.625	4.65		
21202		1.7	52.2	73	215				
21203		7.3	49.9	59	182.0				
21204		0.5	58.4	61	233				
21205		0.6	64.7	90	196.5				
21206		1.1	50.3	91	194.0				
21207		1.2	43.3	78	234				
21208		1.2	57.0	89	231				
21209		1.1	49.8	93	231				
21210		0.7	25.6	332	85.5				
21211		10.8	39.5	138	71.7				
21212		0.7	27.1	193	87.8				
21213		0.7	25.8	166	81.9				
21214		0.8	25.6	137	86.8				
21215		1.4	25.5	152	80.9				
21216		6.9	42.8	6030	63.3				
21217		4.2	24.3	212	82.9				
21218		12.6	33.5	1860	46.1	3.14			
21219		5.0	34.6	174	56.2				
21220		5.0	37.7	175	66.8				
21221		2.1	8.8	143	49.2	1.625	4.62		
21222		0.9	22.5	163	77.9				
21223		2.4	17.4	197	58.7				
21224		1.8	16.2	183	57.0				
21225		<0.1	2.2	7	1.5				
21226		2.0	16.0	639	59.8				
21227		1.5	19.0	284	66.8				
21228		1.0	19.9	171	68.8				
21229		1.3	19.0	207	66.1				
21230		3.5	27.0	137	52.1				
21231		2.7	24.5	138	61.4				
21232		0.3	15.7	160	52.6				
21233		0.3	16.0	102	53.1				91.4
21234		0.7	15.4	185	49.5			76.7	90.1





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Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
21235		1.21	0.06	6.84	2.9	60	1.03	0.33	4.21	0.02	85.7	67.7	86	0.29	185.5	7.31
21236		2.46	0.02	4.77	2.3	600	0.51	0.03	0.08	<0.02	20.5	2.7	28	0.54	44.2	1.05
21237		2.36	0.02	4.23	1.1	210	0.33	0.05	1.07	<0.02	48.4	19.8	17	0.20	25.0	2.64
21238		2.08	0.01	4.30	1.2	270	0.26	0.01	1.56	<0.02	15.30	8.7	15	0.22	9.0	2.56
21239		1.14	0.01	5.15	1.6	550	0.29	0.04	0.39	<0.02	38.4	4.7	26	0.27	17.2	1.47
21240		1.27	0.01	4.81	1.9	390	0.26	0.03	0.42	<0.02	8.99	5.1	24	0.26	14.9	1.68
21241		0.23	3.92	5.40	12.8	110	0.47	0.86	3.29	2.09	16.70	967	260	0.72	>10000	17.55

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21235		14.55	0.14	1.3	0.072	0.42	54.1	58.1	4.77	1340	2.71	2.25	2.0	84.9	250	5.1
21236		7.79	0.08	1.1	0.009	4.51	11.5	10.6	0.22	82	1.11	0.69	1.7	7.3	50	2.0
21237		42.5	0.10	0.9	0.008	3.05	25.7	27.5	1.02	275	2.70	0.73	0.6	79.2	60	0.8
21238		39.3	0.09	0.9	0.006	3.42	7.5	30.5	1.04	342	2.34	0.59	0.4	68.7	30	0.6
21239		24.9	0.10	1.4	0.006	4.90	21.0	19.4	0.61	151	0.89	0.79	1.3	36.5	40	0.6
21240		25.7	0.09	1.3	0.005	4.58	4.7	21.0	0.62	178	1.17	0.64	1.1	42.3	30	0.6
21241		10.45	0.29	1.2	0.112	0.31	7.1	7.7	3.80	970	4.71	1.15	4.4	>10000	450	12.9

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21235		8.3	0.002	0.09	0.18	32.1	1	2.9	56.7	0.15	0.07	1.71	0.326	0.05	3.1	207
21236		113.5	<0.002	0.01	0.16	1.9	<1	1.0	21.7	0.18	<0.05	3.22	0.058	0.52	1.1	17
21237		59.7	0.002	0.03	0.13	13.0	<1	0.3	9.3	0.06	<0.05	11.65	0.022	0.29	0.9	418
21238		68.3	<0.002	0.01	0.07	13.4	<1	<0.2	12.4	<0.05	<0.05	6.38	0.016	0.34	0.5	353
21239		87.4	<0.002	0.01	0.06	7.9	<1	0.2	10.2	0.11	<0.05	6.88	0.042	0.49	0.7	233
21240		97.0	<0.002	0.01	0.07	8.1	<1	0.2	9.0	0.11	<0.05	9.81	0.035	0.50	0.6	237
21241		10.1	0.048	7.83	3.06	7.7	21	2.3	179.5	0.28	4.05	0.97	0.499	0.17	0.3	78

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**CERTIFICATE OF ANALYSIS SD22064776**

Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Cu-OG62 Cu % 0.001	Ni-OG62 Ni % 0.001	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
21235		1.5	22.2	224	49.8				
21236		1.1	3.2	8	40.5				
21237		0.3	6.0	20	33.9				
21238		0.2	3.5	19	34.7				
21239		0.7	4.0	11	56.0				
21240		0.6	3.1	12	47.8				
21241		2.1	8.8	136	50.6	1.635	4.65		



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<b>CERTIFICATE COMMENTS</b>
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**ANALYTICAL COMMENTS**

Applies to Method:	REEs may not be totally soluble in this method. ME-MS61
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**LABORATORY ADDRESSES**

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.			
Applies to Method:	CRU-31	CRU-QC	LOG-22
	PUL-31	PUL-QC	SPL-21
			LOG-24
			WEI-21
Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
Applies to Method:	Cu-OG62	ME-MS61	ME-OG62
			Ni-OG62



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**CERTIFICATE SD22064779**

Project: Gowganda (Bald Rock)-GBR22-012  
 P.O. No.: GBR22-012  
 This report is for 16 samples of 1/2 Core submitted to our lab in Sudbury, ON, Canada on 15-MAR-2022.  
 The following have access to data associated with this certificate:

PETER DOYLE FRANK PLOEGER	SEAN HICKS	KAJAL MAKWANA
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.  
 \*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, Director, North Vancouver Operations



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Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
21285		1.69	0.11	7.63	13.8	300	0.37	0.16	6.08	0.08	15.40	45.7	54	1.57	149.0	7.76
21286		0.89	0.57	7.50	17.2	220	0.46	1.47	5.62	0.07	18.70	48.5	50	0.84	155.0	8.34
21287		1.65	0.65	6.64	22.5	130	0.56	1.19	7.01	0.12	20.3	44.4	49	0.51	195.0	7.90
21288		1.82	0.59	7.37	14.2	140	0.55	0.88	5.31	0.14	24.4	41.1	73	0.33	324	7.64
21289		2.12	0.22	7.54	17.9	210	0.46	0.38	5.79	0.20	14.25	45.6	64	0.57	129.0	7.47
21290		2.21	0.40	7.53	8.2	270	0.38	0.67	6.42	0.20	16.80	45.8	122	1.21	123.0	7.71
21291		2.09	0.42	7.53	12.2	280	0.39	0.36	5.78	0.18	22.1	42.4	100	1.55	201	7.24
21292		1.71	0.08	7.57	1.8	260	0.26	0.04	6.94	0.10	11.80	43.9	229	1.11	115.5	7.12
21293		2.67	0.06	7.63	2.2	260	0.33	0.08	6.24	0.10	15.50	46.0	132	1.31	112.0	7.14
21294		2.30	0.07	7.57	2.9	440	0.31	0.06	5.55	0.07	14.30	47.9	111	1.28	126.5	7.58
21295		1.55	0.11	7.25	2.5	560	0.38	0.05	4.96	0.07	13.65	46.8	98	0.67	118.0	7.56
21296		0.61	0.27	7.67	2.2	390	0.80	0.48	2.31	0.02	42.8	65.4	114	0.62	321	7.63
21297		1.28	0.05	4.51	1.9	1970	0.26	0.03	0.06	<0.02	30.3	6.6	21	0.45	112.5	1.19
21298		1.82	0.07	4.61	2.2	3830	0.44	0.04	0.04	<0.02	50.2	3.9	22	0.47	164.5	0.71
21299		1.77	0.38	4.69	2.5	830	0.42	0.43	0.21	<0.02	222	73.1	35	0.23	1495	4.40
21300		2.16	0.18	4.30	2.4	640	0.34	0.32	0.07	<0.02	161.5	101.5	38	0.31	740	4.17

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21285		14.40	0.09	1.5	0.063	1.84	6.8	38.3	3.99	1270	0.68	1.44	2.1	84.1	260	7.8
21286		14.75	0.09	1.7	0.086	1.22	8.1	41.2	4.00	1330	0.64	2.07	2.6	75.7	310	45.0
21287		13.20	0.08	1.4	0.092	0.80	9.6	43.7	3.65	1265	0.88	1.96	2.1	70.8	260	79.1
21288		13.95	0.09	1.6	0.091	0.63	13.2	51.1	3.94	1150	1.05	2.33	2.2	82.6	260	231
21289		14.00	0.08	1.4	0.071	1.42	6.2	43.6	4.10	1415	0.50	1.98	2.0	81.8	250	84.9
21290		14.45	0.08	1.4	0.070	1.49	8.0	35.0	4.04	1350	0.63	1.56	2.2	86.6	280	67.4
21291		14.65	0.09	1.7	0.058	1.57	10.4	33.4	3.73	1230	0.68	1.68	2.5	76.8	310	30.2
21292		13.15	0.08	1.2	0.055	1.58	5.2	31.6	4.75	1345	0.36	1.30	1.8	104.5	230	5.1
21293		14.55	0.09	1.5	0.055	1.75	6.8	31.5	4.59	1260	0.39	1.35	2.2	105.0	260	6.5
21294		14.70	0.08	1.5	0.058	2.05	6.2	36.1	4.60	1355	0.38	1.29	2.1	111.0	270	3.4
21295		14.20	0.08	1.4	0.053	1.86	5.9	39.7	4.39	1405	0.35	1.51	2.0	97.2	280	3.6
21296		18.35	0.12	1.6	0.059	1.83	22.0	48.4	3.42	935	2.80	2.10	2.1	102.0	330	4.0
21297		9.06	0.10	1.1	<0.005	4.61	17.0	10.4	0.22	76	1.43	0.76	1.0	10.7	60	1.6
21298		8.59	0.11	1.3	0.010	4.79	28.9	6.4	0.15	57	1.54	0.66	1.0	7.6	70	2.1
21299		18.65	0.26	1.0	0.020	1.67	114.5	12.8	0.35	108	113.5	2.27	1.6	31.6	850	1.7
21300		17.80	0.19	0.9	0.013	3.05	86.1	12.9	0.39	100	32.9	1.05	1.0	36.3	150	1.8



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Project: Gowganda (Bald Rock)-GBR22-012

**CERTIFICATE OF ANALYSIS SD22064779**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21285		97.3	<0.002	0.09	0.70	39.6	1	1.2	141.5	0.16	<0.05	1.66	0.381	0.50	0.6	244
21286		61.8	0.002	0.10	0.73	40.9	<1	1.3	154.5	0.19	<0.05	1.95	0.451	0.29	0.7	265
21287		39.3	<0.002	0.06	0.84	34.9	1	0.9	113.5	0.14	<0.05	1.63	0.371	0.17	0.6	225
21288		30.2	0.003	0.11	1.21	33.9	1	1.1	224	0.17	<0.05	2.02	0.312	0.14	1.3	193
21289		65.8	0.002	0.08	0.77	37.7	<1	1.1	129.5	0.15	<0.05	1.55	0.369	0.30	0.7	232
21290		81.5	<0.002	0.09	0.30	38.3	1	0.8	191.5	0.15	<0.05	1.48	0.359	0.41	0.5	225
21291		90.4	<0.002	0.08	0.21	34.5	<1	0.8	136.0	0.21	<0.05	2.22	0.365	0.47	0.7	206
21292		80.2	0.002	0.08	0.09	38.2	<1	0.6	171.0	0.13	<0.05	1.16	0.362	0.47	0.4	238
21293		99.3	<0.002	0.07	0.21	39.9	<1	0.7	165.5	0.17	<0.05	1.71	0.383	0.56	0.6	236
21294		81.2	<0.002	0.04	0.31	37.2	1	0.6	124.0	0.16	<0.05	1.52	0.363	0.43	0.6	240
21295		58.7	0.002	0.03	0.55	34.7	1	0.6	138.5	0.15	<0.05	1.41	0.356	0.34	0.6	239
21296		55.2	<0.002	0.01	0.37	35.8	<1	4.3	91.8	0.18	0.15	2.18	0.316	0.30	3.2	238
21297		105.0	<0.002	0.05	0.16	1.7	<1	0.6	49.3	0.11	<0.05	3.30	0.033	0.52	1.4	19
21298		108.0	<0.002	0.08	0.12	1.5	1	1.0	90.8	0.10	<0.05	3.26	0.027	0.59	1.5	13
21299		36.8	0.042	0.25	0.18	5.6	1	7.5	29.8	0.12	0.26	11.25	0.043	0.22	4.1	100
21300		62.6	0.021	0.26	0.17	5.6	1	7.0	17.4	0.08	0.18	11.75	0.040	0.36	6.7	111

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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<b>CERTIFICATE OF ANALYSIS SD22064779</b>
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Sample Description	Method Analyte Units LOD	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	CRU-QC Pass2mm %	PUL-QC Pass75um %
		0.1	0.1	2	0.5	0.01	0.01
21285		0.5	16.6	104	55.5	76.3	90.9
21286		0.4	19.1	127	65.3		
21287		0.5	17.0	156	51.4		
21288		0.6	16.8	185	61.7		
21289		0.6	15.6	153	52.8		
21290		0.4	17.1	143	51.0		
21291		0.3	17.8	113	63.6		
21292		0.3	14.4	83	44.8		
21293		0.3	16.8	81	57.9		
21294		0.3	15.9	96	55.7		
21295		0.2	15.0	100	55.2		
21296		4.5	20.5	102	61.2		
21297		0.8	3.5	8	39.0		
21298		0.6	4.3	5	47.0		
21299		3.5	14.3	10	36.8		
21300		4.3	6.3	12	34.7		



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**CERTIFICATE OF ANALYSIS SD22064779**

<b>CERTIFICATE COMMENTS</b>									
	<p style="text-align: center;"><b>ANALYTICAL COMMENTS</b></p> <p>Applies to Method: REEs may not be totally soluble in this method. ME-MS61</p>								
	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table><tr><td>CRU-31</td><td>CRU-QC</td><td>LOG-22</td><td>PUL-31</td></tr><tr><td>PUL-QC</td><td>SPL-21</td><td>WEI-21</td><td></td></tr></table>	CRU-31	CRU-QC	LOG-22	PUL-31	PUL-QC	SPL-21	WEI-21	
CRU-31	CRU-QC	LOG-22	PUL-31						
PUL-QC	SPL-21	WEI-21							
	<p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. ME-MS61</p>								



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**CERTIFICATE SD22064782**

Project: Gowganda (Bald Rock)-GBR22-014  
 P.O. No.: GBR22-014  
 This report is for 43 samples of 1/2 Core submitted to our lab in Sudbury, ON, Canada on 15-MAR-2022.  
 The following have access to data associated with this certificate:

PETER DOYLE FRANK PLOEGER	SEAN HICKS	KAJAL MAKWANA
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login – Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login – Rcd w/o BarCode
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Aq-OG62	Ore Grade Ag – Four Acid	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Saa Traxler, Director, North Vancouver Operations



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**CERTIFICATE OF ANALYSIS SD22064782**

Sample Description	Method	WEI–21	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
21242		1.74	0.44	7.29	11.3	280	0.61	0.48	6.01	0.08	17.25	45.7	12	0.85	143.0	8.50
21243		0.93	5.65	6.13	6.4	120	0.76	0.39	7.57	0.15	33.3	37.7	10	0.36	3610	9.54
21244		1.94	0.32	6.93	3.7	120	1.00	0.20	4.94	0.04	20.2	39.5	8	0.58	200	9.09
21245		2.11	0.15	7.01	6.3	260	0.64	0.12	5.59	0.08	19.55	47.3	10	1.04	179.0	8.75
21246		2.29	0.07	7.25	6.4	240	0.61	0.12	6.03	0.13	25.2	44.5	13	1.16	62.3	9.02
21247		2.08	0.13	7.36	4.3	240	0.55	0.14	6.63	0.17	18.55	50.4	21	1.74	146.5	9.05
21248		1.84	0.21	7.45	21.1	220	0.53	0.22	6.14	0.23	16.45	47.6	21	0.89	165.5	8.25
21249		1.89	2.53	7.94	16.8	90	1.81	0.33	2.03	0.13	9.60	39.6	30	0.48	2010	6.79
21250		2.01	2.57	7.85	49.5	50	1.66	0.75	3.93	0.10	19.15	71.1	33	0.30	3080	7.21
21251		1.90	0.28	7.38	10.8	170	0.74	0.29	5.47	0.08	14.60	51.0	35	0.97	224	8.75
21252		1.92	0.20	7.21	8.8	150	0.39	0.26	6.38	0.14	12.90	41.9	121	0.47	162.5	7.96
21253		1.88	0.09	7.15	6.7	170	0.48	0.10	6.09	0.09	12.50	46.6	137	0.56	119.5	7.63
21254		1.67	0.23	6.71	4.0	80	0.81	0.23	4.69	0.08	18.45	34.0	128	0.35	576	8.89
21255		2.10	0.20	7.11	4.1	80	0.97	0.15	4.54	0.67	22.2	34.1	151	0.34	414	8.90
21256		2.07	0.28	5.26	3.3	20	0.35	0.16	10.00	3.24	40.5	26.8	100	0.17	762	7.99
21257		2.10	0.17	7.39	5.4	160	0.91	0.21	5.26	0.09	13.00	43.6	179	0.66	155.0	7.80
21258		1.77	0.47	7.29	7.4	200	0.53	1.04	5.81	0.10	12.55	45.4	233	0.89	118.5	7.73
21259		1.02	0.13	6.98	5.7	200	0.44	0.27	5.57	0.10	12.10	44.6	215	0.90	158.5	7.85
21260		0.94	0.11	6.86	4.9	180	0.50	0.22	5.16	0.10	12.05	42.6	214	0.89	131.0	7.87
21261		0.11	4.10	5.42	13.2	120	0.57	0.78	3.56	2.05	17.05	1000	274	0.72	>10000	18.15
21262		2.27	0.14	6.95	4.0	150	0.77	0.12	4.93	0.16	14.60	36.8	195	0.62	534	7.80
21263		2.25	0.07	6.99	4.1	220	0.59	0.10	5.94	0.06	12.30	42.9	186	0.76	115.0	7.26
21264		2.67	0.13	7.05	5.1	150	0.74	0.13	4.97	0.06	18.45	46.9	171	0.82	467	8.83
21265		2.00	0.09	7.03	5.5	190	0.46	0.16	6.16	0.07	12.50	43.9	203	1.02	213	8.06
21266		2.78	0.16	7.25	5.6	160	0.58	0.16	4.63	0.06	12.60	44.5	194	1.10	501	8.84
21267		1.63	0.10	7.25	5.6	210	0.38	0.09	6.63	0.07	11.85	44.3	229	1.06	133.5	7.42
21268		1.09	0.13	7.23	5.4	200	0.40	0.13	6.61	0.08	12.15	47.6	245	1.05	138.5	7.44
21269		2.49	0.13	6.87	6.0	170	0.49	0.15	6.22	0.06	11.60	41.4	323	0.81	178.5	7.40
21270		1.24	0.24	7.20	3.3	120	1.12	0.28	4.71	0.06	12.50	40.7	184	0.81	315	8.48
21271		1.34	0.20	7.30	3.9	160	0.76	0.14	5.83	0.05	12.80	51.0	195	1.06	386	8.58
21272		1.54	0.10	7.25	3.6	210	0.28	0.09	6.08	0.08	10.80	45.8	187	1.04	103.0	7.20
21273		0.89	0.34	6.87	3.0	110	1.16	0.35	6.60	0.04	27.1	49.5	152	0.90	394	8.56
21274		2.19	0.07	7.28	3.0	200	0.25	0.07	6.32	0.10	10.85	39.5	166	1.03	95.4	7.25
21275		0.50	<0.01	0.10	0.2	20	0.05	0.10	34.4	0.02	1.13	1.0	2	<0.05	2.9	0.16
21276		1.07	0.06	6.88	1.3	200	0.46	0.05	4.99	0.05	29.4	44.5	129	0.83	78.4	7.41
21277		2.04	0.06	7.07	1.5	170	0.46	0.06	5.23	0.06	14.45	36.3	129	0.58	59.4	6.45
21278		1.66	0.08	7.07	1.7	170	0.43	0.07	4.36	0.02	68.0	46.3	145	0.54	120.5	8.38
21279		0.57	0.06	7.28	1.4	160	0.68	0.06	3.50	0.05	11.80	43.8	138	0.58	87.9	6.90
21280		0.51	0.06	7.56	1.9	160	0.66	0.06	3.46	0.05	12.90	43.9	136	0.57	76.1	8.04
21281		0.06	>100	4.53	706	340	0.62	59.0	0.65	26.9	31.0	9.7	31	2.82	5040	2.26



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**CERTIFICATE OF ANALYSIS SD22064782**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
21242		16.40	0.13	1.6	0.070	1.66	7.2	40.6	3.56	1485	0.85	1.84	2.3	49.2	260	16.3
21243		18.95	0.14	1.3	0.126	0.67	15.6	53.7	3.18	1170	2.57	1.60	1.9	43.6	230	49.4
21244		16.45	0.10	1.6	0.101	0.87	8.7	50.3	3.48	1160	1.15	2.24	2.2	41.5	260	8.0
21245		17.40	0.10	1.9	0.067	1.67	8.2	34.9	3.19	1370	0.85	1.91	2.7	47.8	330	7.3
21246		16.50	0.10	1.9	0.076	1.43	12.4	41.1	3.46	1630	1.36	1.87	2.7	46.9	330	8.4
21247		17.05	0.10	1.8	0.068	1.41	7.9	45.0	3.80	1570	1.30	1.69	2.5	63.1	290	7.1
21248		16.70	0.09	1.6	0.062	1.65	7.2	48.3	3.80	1635	0.64	1.86	2.4	66.3	270	14.0
21249		21.2	0.08	1.6	0.195	0.43	4.4	71.9	2.74	844	1.31	4.14	2.3	40.6	310	7.3
21250		25.5	0.10	1.7	0.333	0.25	8.0	64.2	2.80	899	1.27	3.64	2.2	62.5	290	13.7
21251		16.65	0.11	1.5	0.070	1.45	6.5	50.0	4.05	1535	1.02	1.95	2.1	73.5	250	15.5
21252		14.45	0.09	1.4	0.064	1.05	5.7	47.9	4.26	1300	0.52	1.87	1.8	88.5	260	74.2
21253		14.85	0.11	1.4	0.057	1.46	5.6	43.1	4.62	1320	0.30	2.10	1.9	114.0	250	17.2
21254		18.05	0.10	1.3	0.082	0.60	8.8	69.1	4.89	1110	1.41	1.62	1.8	100.5	240	71.5
21255		18.85	0.10	1.4	0.083	0.59	10.7	73.5	5.04	1145	0.84	1.83	1.9	106.0	250	40.6
21256		17.20	0.09	0.9	0.119	0.08	23.2	74.2	4.28	947	1.13	0.93	1.3	85.5	170	155.0
21257		14.85	0.08	1.4	0.070	1.23	6.3	56.0	5.11	1380	0.36	2.01	1.9	129.5	250	23.7
21258		15.20	0.09	1.4	0.071	1.63	5.8	55.6	4.98	1415	0.33	1.68	2.0	121.0	250	34.5
21259		15.35	0.09	1.4	0.063	1.61	5.5	58.1	4.86	1390	0.35	1.65	1.9	117.5	250	14.9
21260		14.85	0.08	1.4	0.063	1.44	5.5	61.2	4.90	1325	0.34	1.71	1.9	109.5	240	14.2
21261		11.45	0.22	1.1	0.116	0.32	6.8	9.5	4.06	1020	4.71	1.20	4.4	>10000	460	13.4
21262		16.25	0.08	1.3	0.067	1.19	5.9	55.2	4.85	1205	0.37	1.79	1.7	141.0	230	11.7
21263		14.65	0.09	1.4	0.053	1.89	5.5	41.6	4.35	1230	0.30	1.67	1.8	111.0	250	5.3
21264		15.30	0.07	1.5	0.064	1.33	7.9	54.7	4.64	1030	0.89	1.64	1.9	111.5	240	5.6
21265		14.95	0.09	1.4	0.057	1.79	5.6	48.5	4.58	1190	0.35	1.47	1.8	105.5	250	4.6
21266		15.20	0.09	1.3	0.066	1.53	6.2	60.1	5.09	1110	0.72	1.55	1.7	111.0	240	9.6
21267		14.75	0.09	1.4	0.054	2.10	5.4	37.0	4.60	1250	0.35	1.31	1.8	111.0	250	4.9
21268		15.15	0.10	1.4	0.057	1.92	5.5	46.4	4.68	1305	0.33	1.54	1.9	112.0	250	23.6
21269		14.55	0.10	1.3	0.060	1.68	5.4	49.1	4.78	1295	0.52	1.63	1.7	124.0	220	22.4
21270		15.10	<0.05	1.3	0.073	0.96	6.7	58.4	4.72	1150	2.41	1.93	1.8	123.0	230	36.8
21271		15.00	<0.05	1.2	0.060	1.47	6.4	48.1	4.89	1205	0.86	1.44	1.6	162.0	210	12.1
21272		13.95	<0.05	1.2	0.048	2.01	5.1	42.7	4.90	1290	0.32	1.31	1.6	169.5	220	14.6
21273		16.15	<0.05	1.2	0.077	1.11	12.3	47.8	4.14	1025	6.21	1.62	1.8	107.5	240	10.2
21274		12.85	<0.05	1.2	0.041	1.81	5.1	37.7	4.84	1345	0.34	1.36	1.7	114.5	240	12.8
21275		0.21	<0.05	<0.1	<0.005	0.01	1.4	1.0	1.25	117	0.08	0.03	0.1	1.2	70	0.7
21276		16.70	<0.05	2.1	0.047	1.54	15.6	33.2	3.89	1080	0.51	2.13	2.9	79.8	280	8.4
21277		17.80	<0.05	1.3	0.043	1.38	6.9	34.1	4.95	1045	0.37	2.19	2.0	89.2	240	8.1
21278		17.30	<0.05	1.4	0.051	1.50	37.0	33.7	4.89	963	1.20	1.77	2.1	91.9	260	7.7
21279		15.65	<0.05	1.5	0.062	1.84	5.2	50.2	4.88	1170	0.35	1.86	2.3	97.2	280	5.1
21280		15.05	<0.05	1.5	0.067	1.79	5.9	51.8	5.04	1230	0.58	1.89	2.2	96.2	290	6.1
21281		21.5	0.10	2.5	5.54	0.70	16.2	18.1	0.20	233	4.63	0.44	7.7	53.8	590	1065



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**CERTIFICATE OF ANALYSIS SD22064782**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
21242		64.6	0.002	0.10	1.46	46.1	<1	0.9	109.0	0.17	<0.05	1.76	0.456	0.34	0.7	288
21243		36.8	0.003	0.46	0.75	41.3	1	4.7	75.9	0.15	<0.05	1.56	0.365	0.14	5.7	243
21244		41.6	0.003	0.12	0.39	41.2	1	0.9	76.2	0.16	<0.05	1.78	0.412	0.18	1.5	254
21245		73.8	0.002	0.13	0.73	45.0	1	0.9	113.0	0.21	<0.05	2.05	0.485	0.40	0.8	285
21246		68.7	0.002	0.09	0.26	42.5	1	1.0	135.0	0.22	<0.05	2.11	0.479	0.41	0.7	264
21247		82.6	0.002	0.10	0.39	47.9	1	1.7	156.5	0.20	<0.05	1.98	0.475	0.46	0.6	282
21248		82.3	0.002	0.09	1.09	44.8	1	1.5	130.0	0.17	<0.05	1.76	0.431	0.40	0.5	257
21249		12.2	<0.002	0.21	0.33	45.6	<1	2.8	51.6	0.17	<0.05	1.63	0.466	0.09	0.8	299
21250		8.8	0.003	0.30	0.39	47.6	1	5.8	71.4	0.18	0.07	1.85	0.446	0.05	1.6	276
21251		57.2	0.002	0.10	1.17	45.2	1	1.4	109.0	0.16	<0.05	1.52	0.406	0.32	0.6	255
21252		44.1	<0.002	0.09	0.41	39.4	1	0.7	223	0.15	<0.05	1.33	0.402	0.31	0.5	241
21253		68.5	<0.002	0.09	0.39	39.7	1	0.7	105.0	0.15	<0.05	1.42	0.378	0.37	0.4	228
21254		19.1	<0.002	0.12	0.73	37.6	1	0.7	105.5	0.14	<0.05	1.16	0.371	0.18	0.8	225
21255		26.3	<0.002	0.10	0.67	41.7	1	0.9	97.9	0.14	<0.05	1.32	0.377	0.21	0.9	233
21256		3.5	<0.002	0.13	0.79	30.1	1	1.0	75.2	0.10	<0.05	0.97	0.250	0.02	0.8	161
21257		64.4	0.002	0.08	0.54	43.2	1	0.7	101.0	0.14	<0.05	1.34	0.397	0.38	0.5	240
21258		91.6	<0.002	0.07	0.59	35.0	1	0.6	114.5	0.16	<0.05	1.39	0.384	0.53	0.4	238
21259		74.5	0.002	0.07	0.53	31.0	1	0.6	105.0	0.15	<0.05	1.34	0.375	0.49	0.4	235
21260		73.0	<0.002	0.06	0.48	31.0	1	0.6	100.5	0.15	<0.05	1.38	0.364	0.46	0.5	227
21261		9.9	0.047	8.13	2.72	8.4	23	2.6	184.5	0.29	4.33	0.95	0.539	0.17	0.3	79
21262		52.8	<0.002	0.13	0.62	39.8	<1	0.8	89.9	0.13	<0.05	1.22	0.348	0.34	0.6	218
21263		82.7	<0.002	0.08	0.48	31.0	1	0.6	110.0	0.14	<0.05	1.37	0.367	0.49	0.4	234
21264		59.3	<0.002	0.14	0.43	38.9	1	1.5	107.5	0.15	<0.05	1.50	0.342	0.39	0.8	211
21265		87.7	<0.002	0.09	0.47	41.9	1	0.7	96.8	0.14	<0.05	1.35	0.368	0.47	0.6	233
21266		81.7	<0.002	0.13	0.50	40.9	1	0.8	92.7	0.13	<0.05	1.32	0.357	0.41	0.7	223
21267		110.5	<0.002	0.08	0.39	43.5	1	0.6	100.0	0.14	<0.05	1.33	0.365	0.56	0.4	236
21268		101.5	<0.002	0.07	0.39	35.0	1	0.6	104.5	0.14	<0.05	1.40	0.366	0.57	0.4	238
21269		83.2	<0.002	0.07	0.56	32.0	1	0.6	93.6	0.13	<0.05	1.30	0.341	0.39	0.4	226
21270		29.5	0.002	0.09	0.73	33.3	1	0.8	97.9	0.14	<0.05	1.16	0.348	0.27	0.9	217
21271		66.8	<0.002	0.12	0.82	35.1	1	1.1	94.3	0.12	<0.05	1.24	0.305	0.37	0.6	208
21272		77.4	<0.002	0.07	0.63	34.4	1	0.6	88.5	0.13	<0.05	1.18	0.327	0.45	0.4	215
21273		57.4	0.002	0.14	0.52	33.4	1	2.8	85.2	0.13	0.05	1.36	0.324	0.22	1.6	206
21274		66.0	<0.002	0.07	0.35	31.0	1	0.6	91.6	0.14	<0.05	1.19	0.339	0.42	0.4	219
21275		0.6	<0.002	0.01	0.06	0.3	2	<0.2	80.6	<0.05	<0.05	0.07	0.007	<0.02	0.1	2
21276		55.1	<0.002	0.07	0.26	29.3	1	2.0	113.5	0.23	<0.05	2.89	0.327	0.43	1.6	212
21277		48.9	<0.002	0.07	0.28	32.1	1	0.6	140.0	0.15	<0.05	2.63	0.353	0.37	0.8	240
21278		49.8	<0.002	0.04	0.26	33.8	1	2.0	128.0	0.16	<0.05	7.99	0.342	0.35	1.3	258
21279		45.0	<0.002	0.02	0.61	33.2	1	0.6	83.8	0.17	<0.05	1.24	0.393	0.38	1.3	241
21280		49.0	<0.002	0.02	0.69	34.7	1	0.6	78.4	0.17	<0.05	1.38	0.388	0.34	2.0	248
21281		27.4	<0.002	2.16	87.2	4.1	36	6.0	459	0.59	40.2	6.73	0.218	1.78	2.7	34





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**CERTIFICATE OF ANALYSIS SD22064782**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W	Y	Zn	Zr	Ag	Cu	Ni	Pass2mm	Pass75um
		ppm	ppm	ppm	ppm	ppm	%	%	%	%
		0.1	0.1	2	0.5	1	0.001	0.001	0.01	0.01
21242		0.5	18.0	100	60.7				77.0	93.8
21243		1.9	35.8	132	50.6					93.5
21244		0.8	20.3	120	60.0					
21245		0.5	20.0	79	73.3					
21246		0.5	21.3	121	69.6					
21247		0.9	19.5	134	67.7					
21248		0.7	18.3	138	63.1					
21249		2.4	9.2	134	60.5					
21250		4.0	15.6	131	63.0					
21251		0.9	17.0	158	56.8					
21252		0.4	15.4	148	51.4					
21253		0.5	16.5	116	55.3					
21254		0.5	14.1	203	49.1					
21255		0.6	16.1	251	54.6					
21256		0.8	15.9	479	37.2					
21257		0.5	16.6	168	52.4					
21258		0.3	16.6	137	56.5					
21259		0.3	16.2	133	54.2					
21260		0.3	15.9	140	54.0					
21261		2.4	9.0	144	50.6		1.625	4.63		
21262		0.5	15.8	152	49.1					
21263		0.5	17.3	92	55.3					
21264		0.8	15.4	123	56.7					
21265		0.5	16.9	100	54.3					
21266		0.5	15.4	135	51.2					
21267		0.3	16.3	83	52.2					
21268		0.4	16.9	100	57.1					
21269		0.5	16.0	118	50.1					
21270		0.7	11.8	176	43.1					
21271		0.8	12.7	119	39.8					
21272		0.3	12.6	93	42.6					
21273		2.3	25.6	120	43.7					
21274		0.3	12.2	112	41.6					
21275		0.1	2.2	4	1.5					
21276		2.2	18.7	101	77.7					
21277		0.3	13.0	106	47.1					
21278		1.0	15.4	111	48.4					
21279		0.3	12.9	128	52.8					
21280		0.4	13.7	136	51.6					
21281		12.3	6.3	4160	87.0	119				



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**CERTIFICATE OF ANALYSIS SD22064782**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
21282		0.79	0.14	7.62	1.1	180	1.07	0.14	1.25	0.03	17.30	48.6	120	0.53	79.4	7.31
21283		1.37	0.07	7.04	1.0	220	1.42	0.20	0.39	<0.02	7.49	57.2	127	0.99	110.5	8.11
21284		1.15	0.08	7.00	1.5	680	1.18	0.72	0.28	<0.02	34.0	46.6	95	2.29	522	4.61



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
21282		17.30	<0.05	1.7	0.070	1.73	7.3	67.3	4.70	1040	0.42	1.80	2.4	95.7	330	3.9
21283		18.55	<0.05	1.7	0.053	1.74	3.0	69.2	4.39	850	1.46	1.22	2.5	104.5	310	2.5
21284		17.30	<0.05	1.4	0.033	2.93	14.0	35.0	1.85	441	1.28	1.74	1.8	64.3	230	2.2



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**CERTIFICATE OF ANALYSIS SD22064782**

Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61			
					Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
					ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
21282					33.6	<0.002	0.01	0.34	35.9	2	0.7	60.1	0.19	<0.05	1.35	0.417	0.34	1.6	255
21283					18.5	<0.002	0.01	0.23	34.4	1	0.7	24.6	0.19	<0.05	0.91	0.411	0.26	2.1	244
21284					55.0	<0.002	0.01	0.24	22.5	<1	1.0	30.0	0.14	<0.05	1.82	0.274	0.29	2.2	147

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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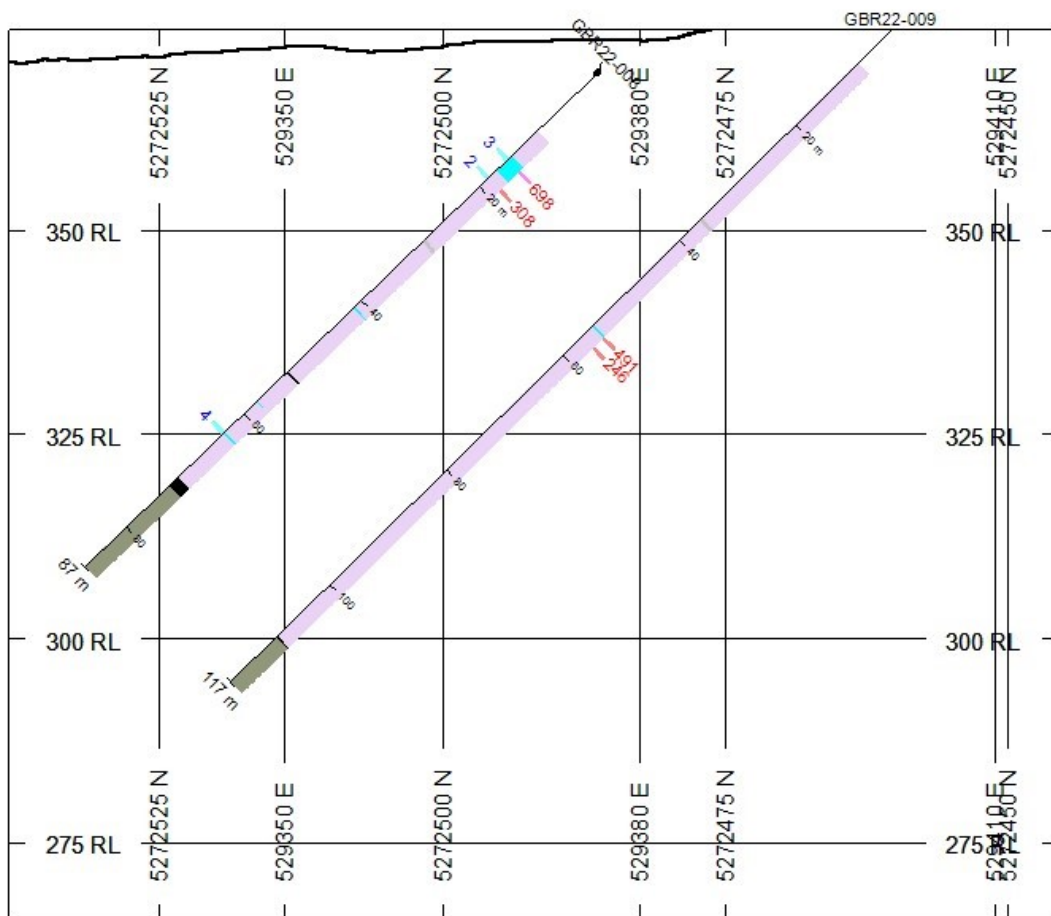
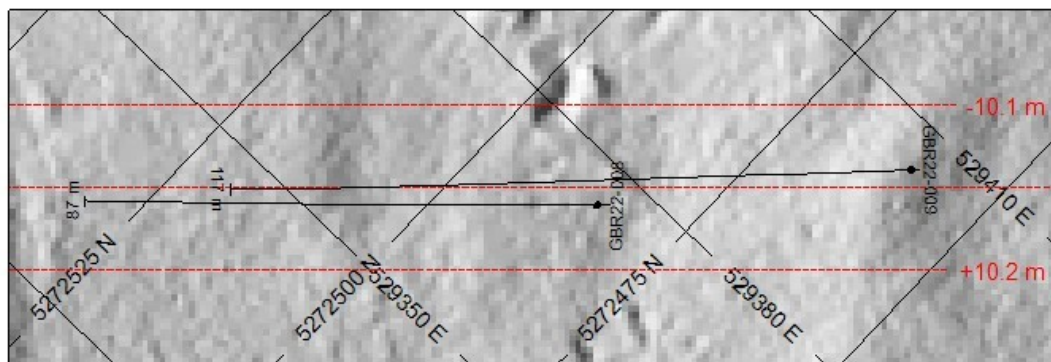
Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Cu %	Ni %	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	1	0.001	0.001	0.01	0.01
21282		0.4	15.8	163	60.4				86.1	89.2
21283		0.9	9.0	130	58.6					
21284		2.1	10.6	38	51.6					











## HOLES PLOTTED

TOTAL 2

GBR22-008      GBR22-009

TOPOGRAPHY  
 — Elevation.GRD

NUMBER BANDS	L/R	PATTERN	RANGE
Ag_(ppm)	L		2 to 7

NUMBER BANDS	L/R	PATTERN	RANGE
Co_(ppm)	R		200 to 500
			500 to 1000

ROCK CODES	PAT	LABEL
Lithology		Overburden
		Cobalt Vein
		Cobalt Zone
		Silver Vein
		Carbonate Vein
		Nipissing Diabase
		Fault
		Arkose

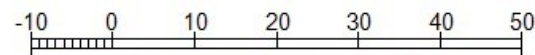
ASSAYS	L/R	TEXT	RANGE
Ag_(ppm)	L		Min 2
Co_(ppm)	R		Min 200

## SECTION SPECS:

REF. PT. E, N      529371 m 5272492 m  
 EXTENTS            128.4 m    108.9 m  
 SECTION TOP, BOT 374.6 m    265.7 m  
 TOLERANCE +/-    10.15 m

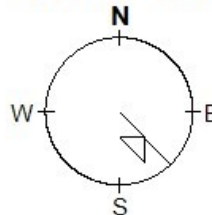
SCALE 1 : 1000

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 136.3°

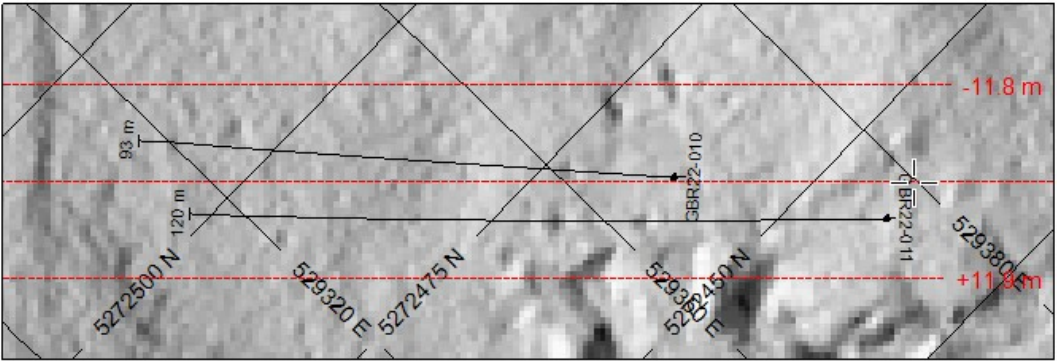


**Battery Mineral Resources Inc.**

**Gowganda - Bald Rock**

**GBR22-008 & GBR22-009**

**Az:316.61 & 314.14 Dip:-43.96 & -44.73**





**HOLES PLOTTED**




TOTAL 2

GBR22-010      GBR22-011

TOPOGRAPHY



— Elevation\_GRD

NUMBER BANDS L/R    PATTERN    RANGE  
 Ag\_(ppm)    L        2 to 7  
                                          7 to 30

NUMBER BANDS L/R    PATTERN    RANGE  
 Co\_(ppm)    R        200 to 500  
                                          500 to 1000  
                                          1000 to 10000

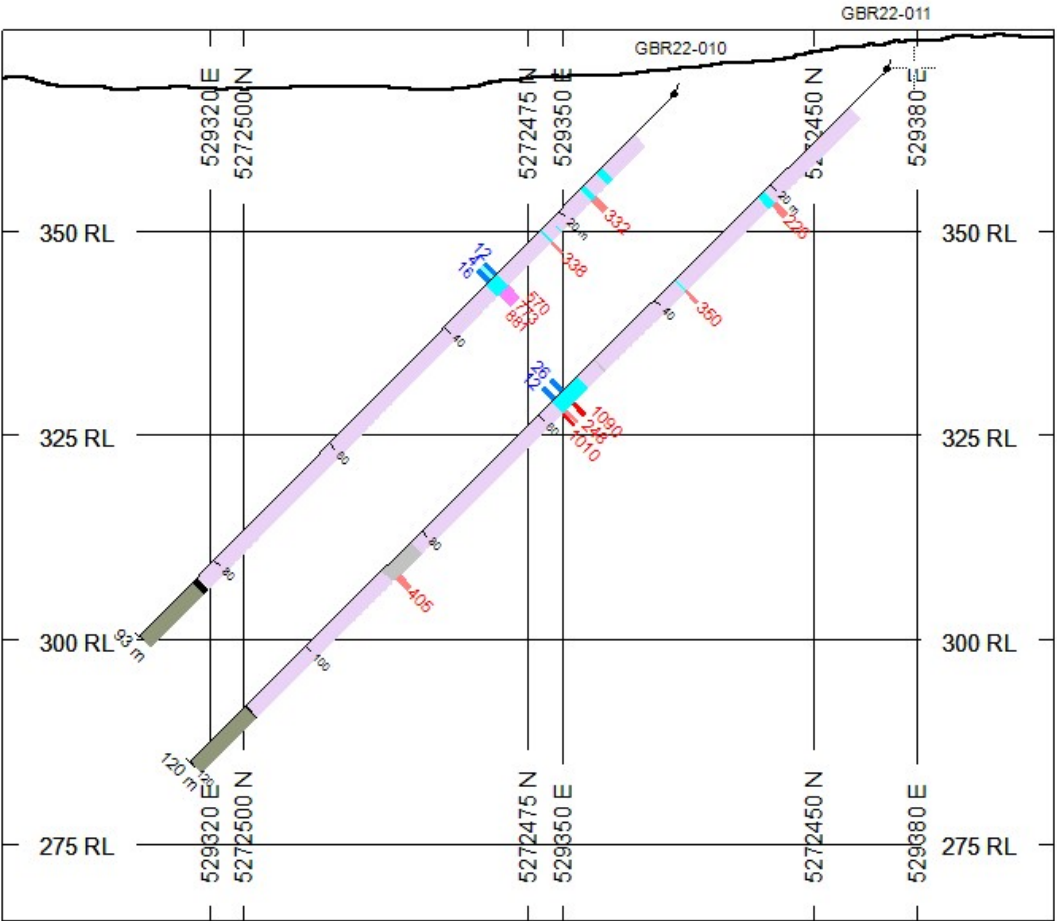
ROCK CODES    PAT    LABEL

Lithology  
 Overburden  
 Cobalt Vein  
 Cobalt Zone  
 Nipissing Diabase  
 Fault  
 Arkose  
 Carbonate Vein

ASSAYS    L/R    TEXT    RANGE  
 Ag\_(ppm)    L        Min 2  
 Co\_(ppm)    R        Min 200

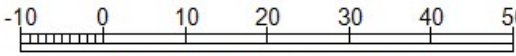
**SECTION SPECS:**

REF. PT.    E, N      529347 m    5272475 m  
 EXTENTS                    128.4 m    108.9 m  
 SECTION TOP, BOT    374.6 m    265.7 m  
 TOLERANCE +/-           11.85 m



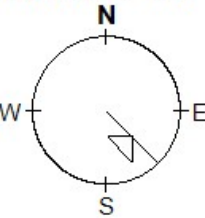
SCALE 1 : 1000

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 135.9°

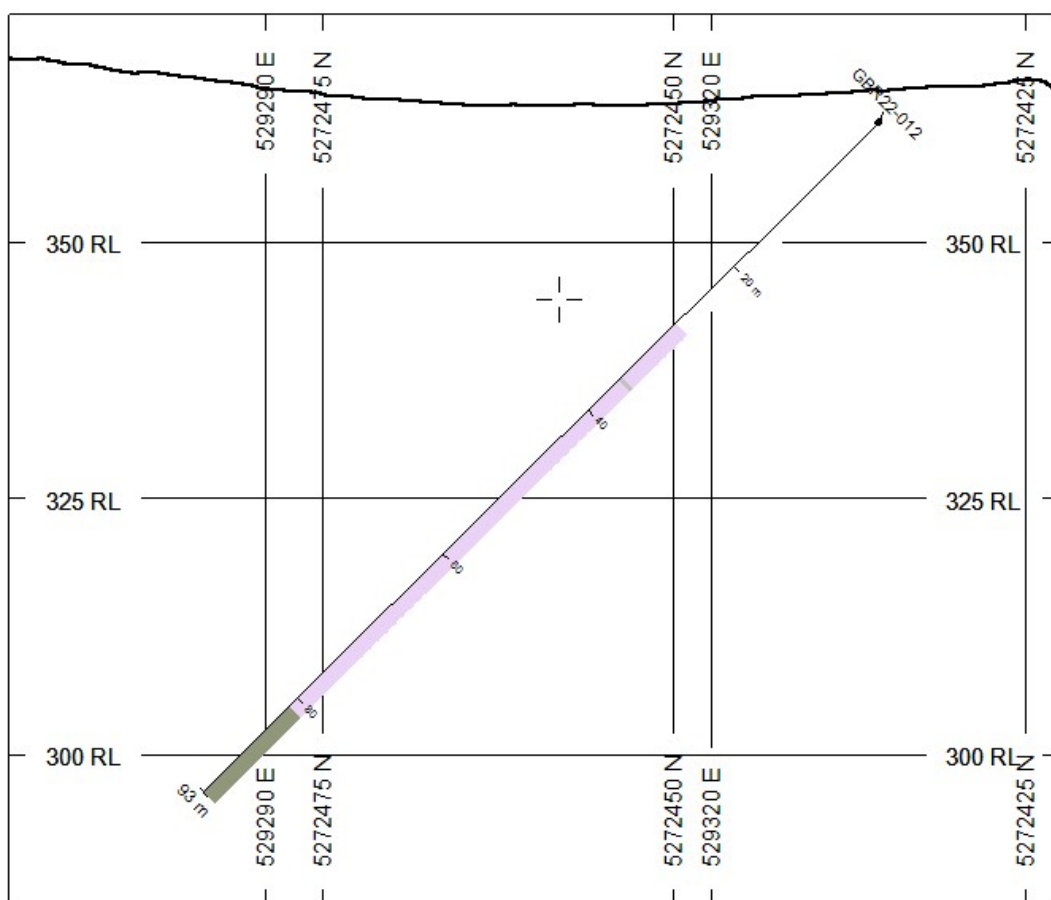
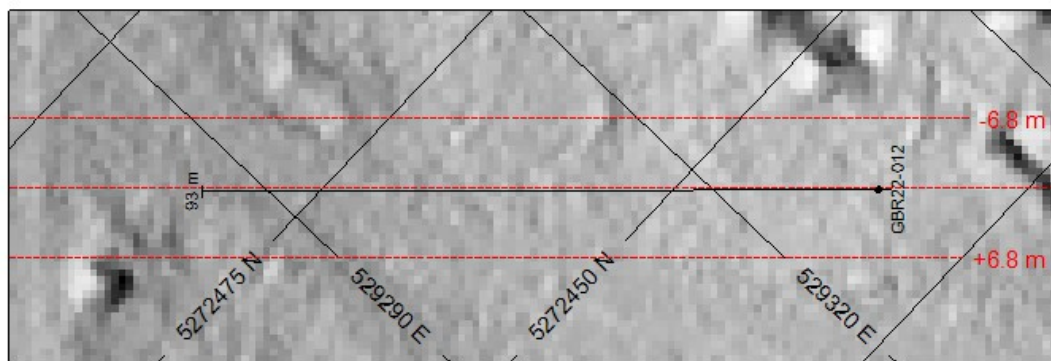


**Battery Mineral Resources Inc.**

**Gowganda - Bald Rock**

**GBR22-010 & GBR22-011**

**Az:319.88 & 315.05 Dip:-45.42 & -44.68**



## HOLES PLOTTED

TOTAL 1

GBR22-012

### TOPOGRAPHY

— Elevation.GRD

### ROCK CODES

Lithology

### PAT LABEL

Overburden

Nipissing Diabase

Arkose

Quartz Carbonate Vein

### ASSAYS

Ag\_(ppm)

Co\_(ppm)

### L/R

L

R

### TEXT RANGE

--- Min 2

--- Min 200

## SECTION SPECS:

REF. PT. E, N 529308 m 5272460 m

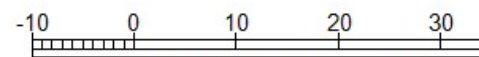
EXTENTS 102.7 m 87.14 m

SECTION TOP, BOT 372.4 m 285.3 m

TOLERANCE +/- 6.8 m

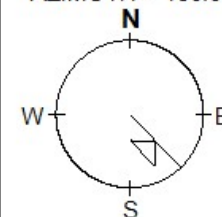
SCALE 1 : 800

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 136.6°



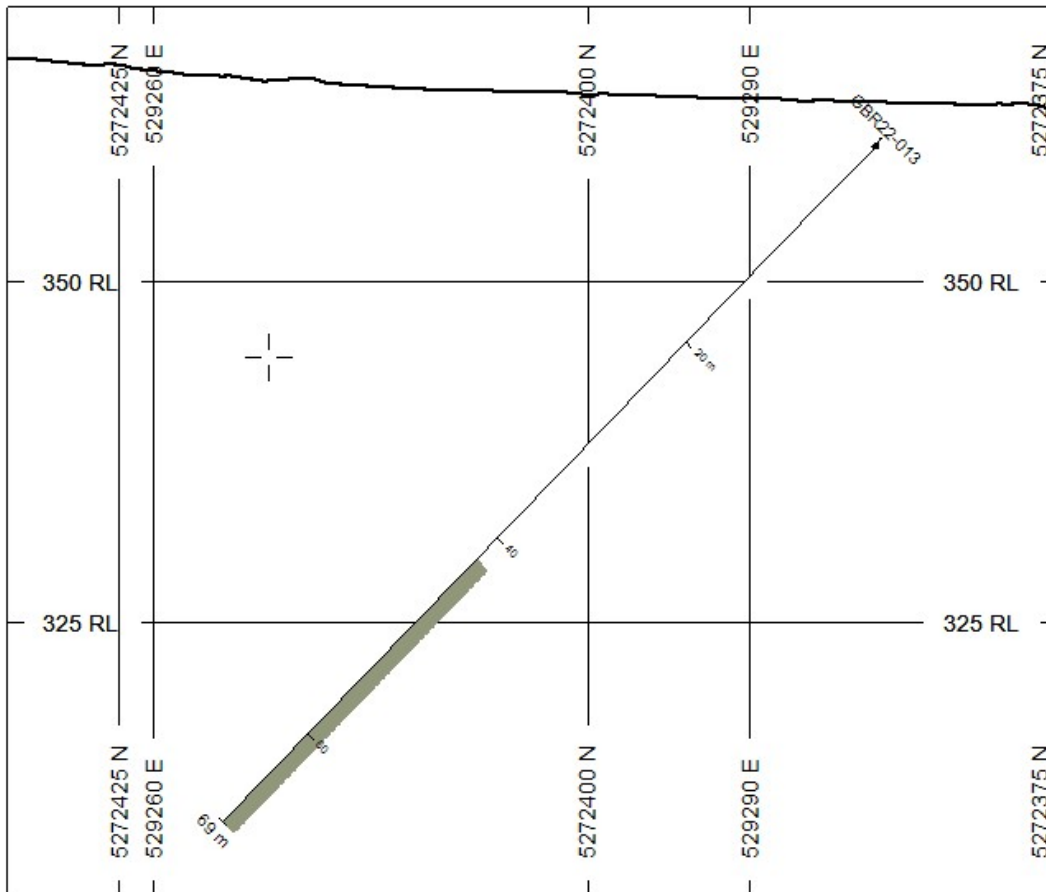
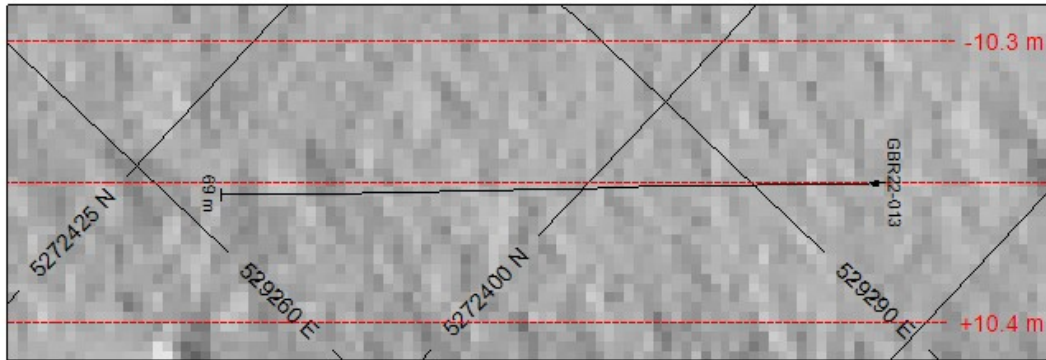
**Battery Mineral Resources Inc.**

**Gowganda - Bald Rock**

**GBR22-012**

**Az:316.32 Dip:-44.6**





## HOLES PLOTTED

TOTAL 1

GBR22-013

### TOPOGRAPHY

— Elevation.GRD

### ROCK CODES

Lithology

PAT

LABEL

Overburden



Arkose

### ASSAYS

Ag\_(ppm)

Co\_(ppm)

L/R

L

R

TEXT

---

---

RANGE

Min 2

Min 200

### SECTION SPECS:

REF. PT. E, N 529279 m 5272403 m

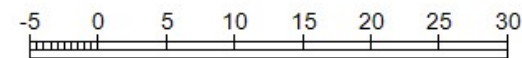
EXTENTS 77.04 m 65.36 m

SECTION TOP, BOT 370.2 m 304.9 m

TOLERANCE +/- 10.35 m

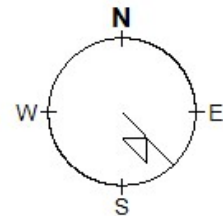
SCALE 1 : 600

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 136.7°

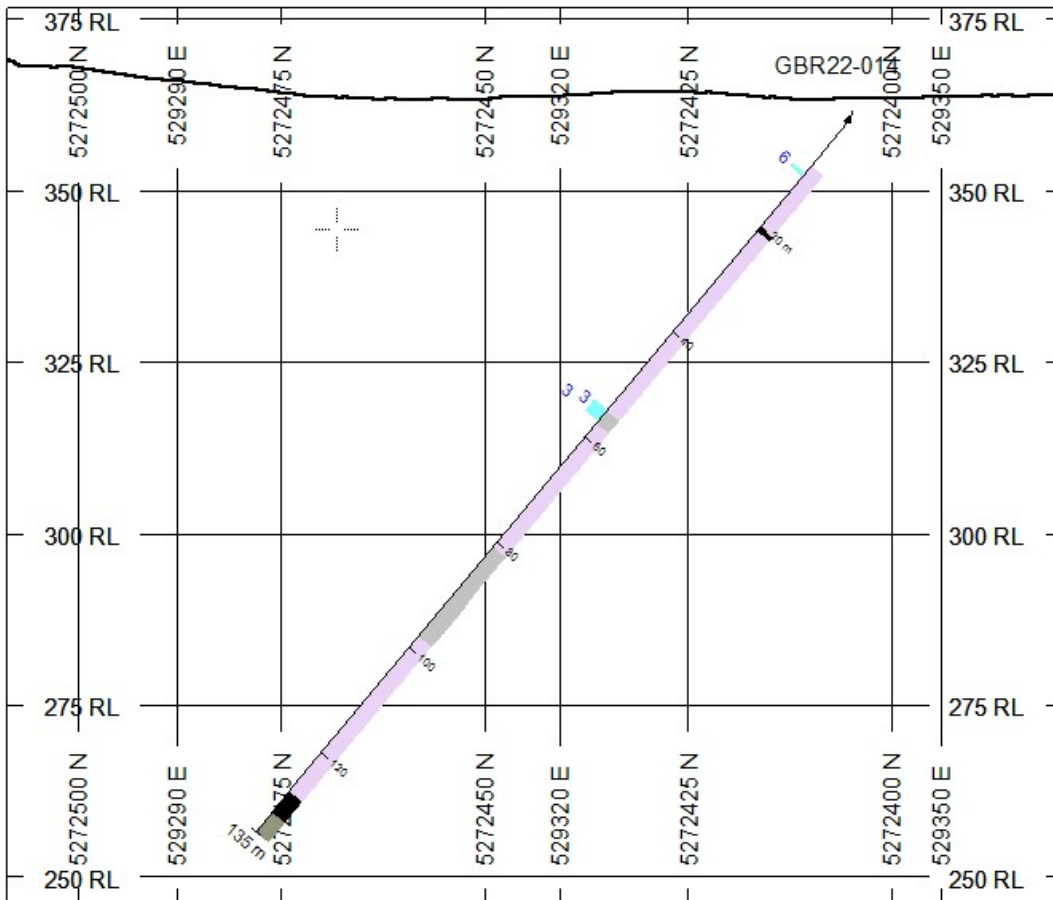
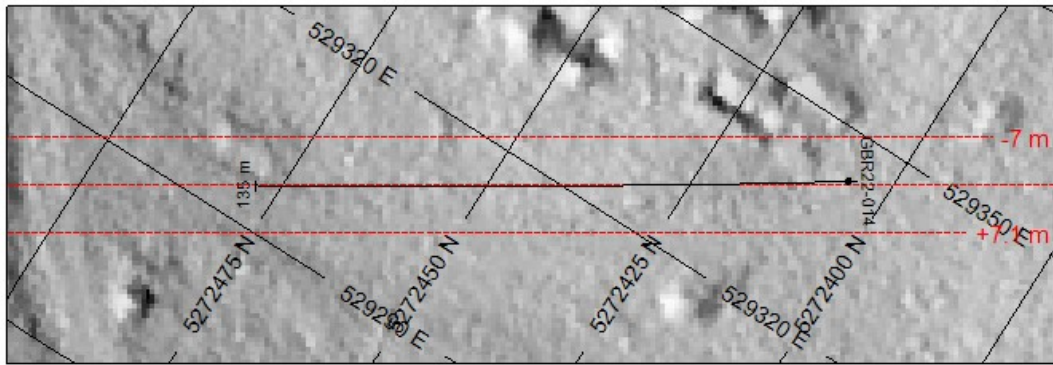


**Battery Mineral Resources Inc.**

**Gowganda - Bald Rock**

**GBR22-013**

**Az:315.64 Dip:-45.99**



## HOLES PLOTTED

TOTAL 1

GBR22-014

### TOPOGRAPHY

— Elevation.GRD

NUMBER BANDS L/R PATTERN RANGE

Ag\_(ppm) L  2 to 7

ROCK CODES PAT LABEL

Lithology  Overburden  
 Carbonate Vein  
 Nipissing Diabase  
 Fault  
 Arkose

ASSAYS L/R TEXT RANGE

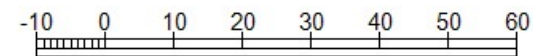
Ag\_(ppm) L --- Min 2  
 Co\_(ppm) R --- Min 200

## SECTION SPECS:

REF. PT. E, N 529318 m 5272444 m  
 EXTENTS 154.1 m 130.7 m  
 SECTION TOP, BOT 376.8 m 246.1 m  
 TOLERANCE +/- 7.05 m

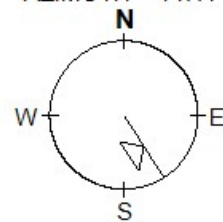
SCALE 1 : 1200

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 147.4°



**Battery Mineral Resources Inc.**

**Gowganda - Bald Rock**

**GBR22-014**

**Az:326.26 Dip:-50.14**