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Report on 2021 Diamond Drilling at the Gowganda Project,  
Capitol Mine Kilpatrick Prospect,  
Haultain Township, Ontario, Canada

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## TABLE OF CONTENTS

<b>1.</b>	<b>OVERVIEW.....</b>	<b>4</b>
1.1	PROJECT NAME .....	4
1.2	SUMMARY .....	4
1.3	ACTIVITIES UNDERTAKEN.....	4
<b>2.</b>	<b>LOCATION DETAILS.....</b>	<b>5</b>
2.1	PROPERTY & LOCATION .....	5
2.2	ACCESS .....	5
2.3	MINING CLAIMS.....	6
2.4	PROPERTY & EXPLORATION HISTORY.....	7
2.5	REGIONAL & LOCAL GEOLOGY .....	10
2.6	MINERAL DEPOSIT TYPES.....	11
2.7	TARGET OF INTEREST.....	12
<b>3.</b>	<b>DRILLING.....</b>	<b>13</b>
3.1	PERMITS .....	13
3.2	DRILLING.....	14
3.3	RESULTS.....	14
3.4	SUMMARY AND RECOMMENDATIONS .....	16
<b>4.</b>	<b>REFERENCES CITED .....</b>	<b>19</b>
<b>5.</b>	<b>QUALIFICATIONS.....</b>	<b>21</b>
<b>6.</b>	<b>INSTRUMENT SPECIFICATIONS.....</b>	<b>23</b>
<b>7.</b>	<b>APPENDIX.....</b>	<b>27</b>

## LIST OF APPENDICES

**APPENDIX 1: CLAIM TENURE**

**APPENDIX 2: DRILL HOLE METADATA**

**APPENDIX 3: DRILL HOLE TEXT LOGS**

**APPENDIX 4: ASSAY DATA**

**APPENDIX 5: CERTIFICATES OF ANALYSES**

**APPENDIX 6: CROSS SECTION GRAPHIC LOGS AND ASSAYS**

## LIST OF FIGURES AND TABLES

Figure 1. Location of the Gowganda Project, Capitol Mine Kilpatrick Prospect (Map data ©2020 Google). .....	5
Figure 2. Access to the Kilpatrick Prospect (red star) via Highway 560 and Everett Lake Road (Map data © 2020 Google).....	6
Figure 3. The Gowganda Property claim cell outlines depicted in red. Mining leases in yellow.....	7
Figure 4. The Gowganda area geology (from McIlwaine, 1978). .....	12

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Figure 5. Drill Hole Location Plan- hole GKP21019 in red, IP chargeability anomaly at -250 elevation in pink..... 13

**Table 1.** Drilling and Assay Activity Details..... 4

**Table 2.** Collar Data for 2021 diamond drill hole GKP21019. .... 14

**Table 3.** Abbreviated log for diamond drill hole GKP21019. .... 15

**Table 4.** Significant assays for the 2020 diamond drill holes. .... 16

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## 1. OVERVIEW

### 1.1 PROJECT NAME

This project is known as the **Gowganda Project, Kilpatrick Prospect.**

### 1.2 SUMMARY

Battery Mineral Resources Ltd. (BMR) undertook a very limited diamond drilling campaign at the Gowganda Project, Capitol Mine Kilpatrick Prospect between June 24<sup>th</sup> and 30<sup>th</sup>, 2021 comprising 1 hole totaling 498m meters contracted to G4 Drilling (G4) of Val-d'Or, Quebec. Project supervision was provided by F Ploeger and P Doyle of Battery Mineral Resources Corp. (BMR). The hole was designed to test a relatively deep IP anomaly south of the Capitol shaft and continue through the upper portion of the Nipissing diabase sill which is known to host the silver deposits in the Gowganda camp (Table 1).

The drill hole was collared in Huronian sediments and, at 29.15m, entered mafic volcanics with local interbedded lenses of graphitic sediments and ultramafic units. Hole GKP21019 intersected the Nipissing Diabase sill at 384.25m and continued in diabase to the end of hole at 498m.

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

### 1.3 ACTIVITIES UNDERTAKEN

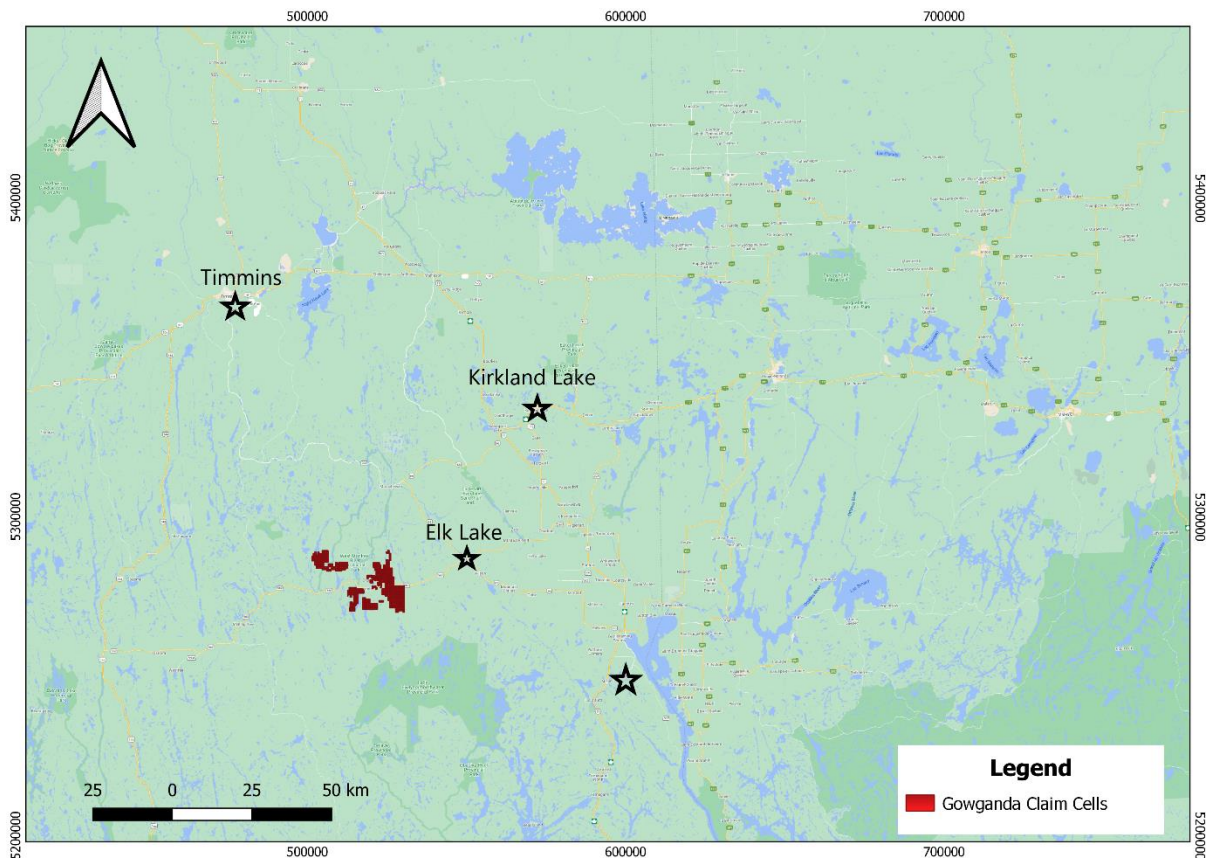
Work Performed	Dates	Total Holes Drilled / Samples Taken
Diamond Drilling	June 24 <sup>th</sup> to June 30 <sup>th</sup> , 2021	1 hole 498 meters
Assaying	July 16 <sup>th</sup> to August 8th, 2020	58 samples

**Table 1. Drilling and Assay Activity Details.**

## 2. LOCATION DETAILS

### 2.1 PROPERTY & LOCATION

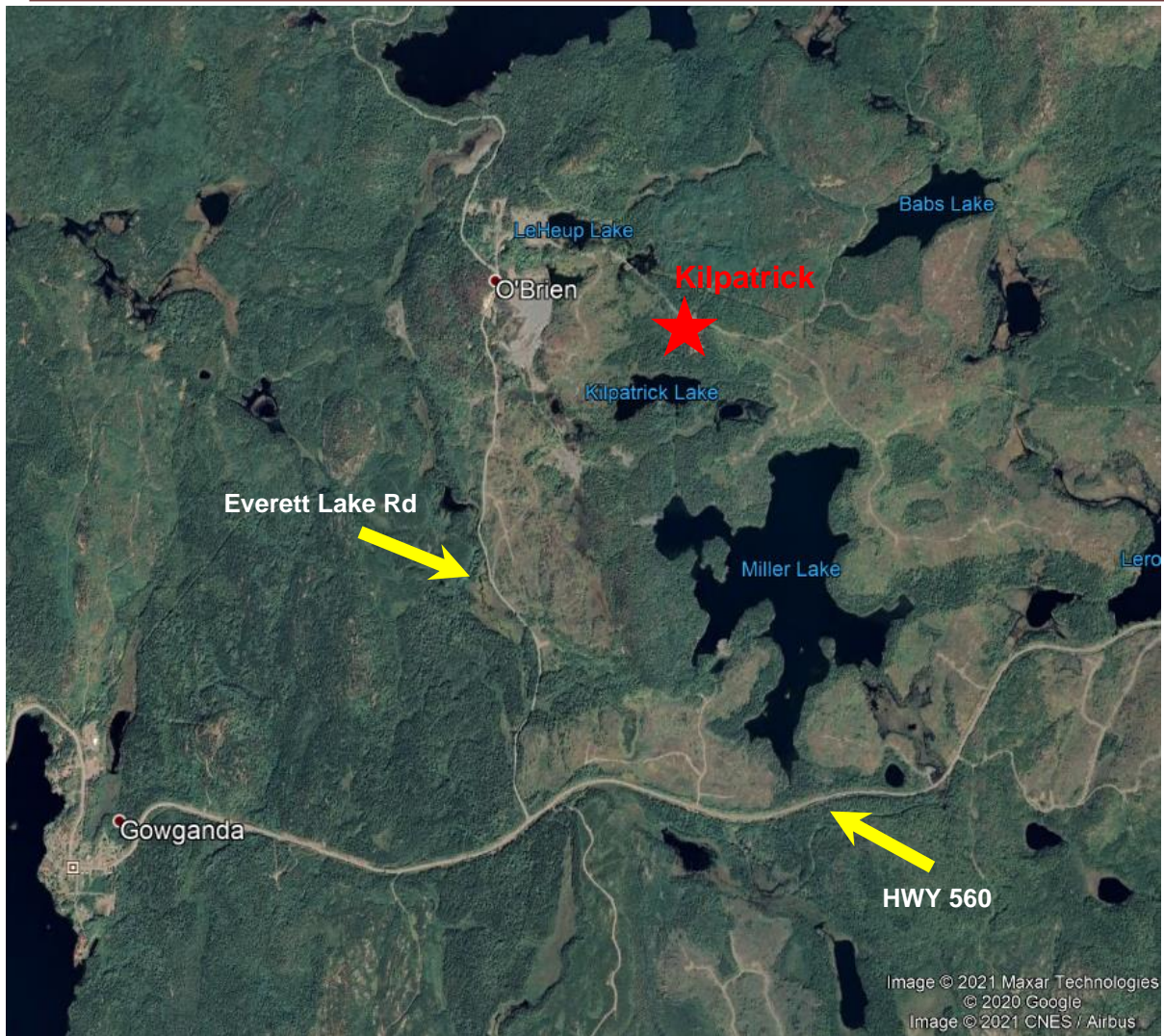
The Gowganda property is a complex array of claims stretching across Chown, Corkill, Haultain, Knight, Lawson, Leith, Milner, Nicol, Rankin, Raymond, and Van Hise Townships of northeastern Ontario. The Project is nested amongst the major mining centres of Kirkland Lake, 115 kilometers to the North; Timmins, 235 kilometers to the northwest; and Sudbury, 250 kilometers to the southwest. Figure 1 displays the Gowganda Property outline with regards to the nearest population centers.



**Figure 1. Location of the Gowganda Project, Capitol Mine Kilpatrick Prospect (Map data ©2020 Google).**

### 2.2 ACCESS

Access to the property is via HWY 560 west from Elk Lake, Ontario for 37.7 km to the Everett Lake Road which can be taken for 4.2 km north northeast to the historic Capitol Mine Shaft. An old mine road can be driven or walked due south for ~100 m to the Capitol Mine Kilpatrick Prospect, Figure 2.

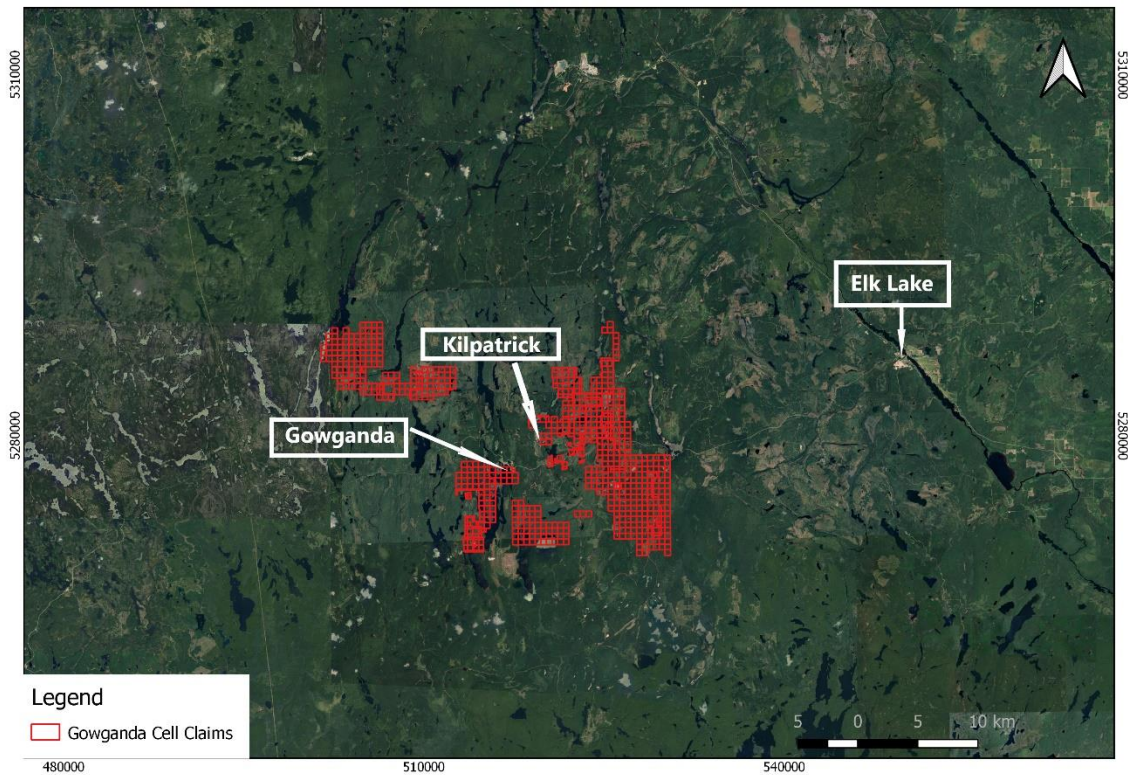


***Figure 2. Access to the Kilpatrick Prospect (red star) via Highway 560 and Everett Lake Road (Map data © 2020 Google).***

### 2.3 MINING CLAIMS

As of March 1, 2021, the Battery Mineral Resources (BMR) Gowganda project comprised 921 mining cell claims, with the total of 14558.57 hectares stretching across Chown, Haultain, Knight, Lawson, Milner, Nicol, Rankin, Raymond, and Van Hise townships (Figure 3). The BMR property consists of wholly owned staked units, leased claims, and some under option from a number of individuals and companies. A complete listing of the Gowganda claim tenure is provided in Appendix 1.

The 2021 drilling was conducted on boundary cells 152343 and 123830 which form the NE quadrant of legacy claim L4208019 located near the southern boundary of Haultain Township, within the Larder Lake Mining Division.



**Figure 3. The Gowganda Property claim cell outlines depicted in red.  
Mining leases in yellow.**

## 2.4 PROPERTY & EXPLORATION HISTORY

There have been many historical mining and exploration projects carried out over the years within the survey area. The following property/ exploration history describes details of the previous legacy work that was collected through the Kirkland Lake Resident Geologists files, various OGS reports and AMIS data provided by OGSearch.

### **PROPERTY HISTORY**

Initial work on the property commenced in 1908 upon the discovery and evaluation of a silver-cobalt vein. In 1929 Castle-Trethewey Mines Ltd was formed through the amalgamation of Capitol Silver Mines and Trethewey Silver Cobalt Mines both of whom began major production in the area in 1920. The bulk of the production came from the Castle No. 3 Mine and ceased in 1931. Castle-Trethewey Mines recommenced operations in 1948 in the old Capitol Shaft area where production began again in 1949. The Capitol Shaft property along with all other Gowganda Area properties held by Castle-Trethewey Mines were acquired by McIntyre Porcupine Mines in 1959 who continued production until 1964.



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In 1967 all the Gowganda properties held by McIntyre Porcupine Mines were leased to United Siscoe Mines. The Capitol Shaft was re-examined and remained operational until 1972 when Siscoe Metals relinquished it back to McIntyre Porcupine Mines.

In 1976, Milner Consolidated Silver Mines Ltd. acquired all the Gowganda properties from McIntyre.

### **EXPLORATION HISTORY**

**1908: Capitol Silver Mines/Trethewey Silver Cobalt Mines;** Acquired the Capitol property among other neighbouring properties in the Gowganda camp. Initial surface work was completed (stripping/ trenching) and a 44-foot shaft was sunk into a north-south trending vein carrying iron-cobalt-nickel arsenides with minor silver. (File 41P10NE0016).

**1920-1931: Capitol Silver Mines/Trethewey Silver Cobalt Mines (Castle-Trethewey);** Major production was conducted across all Gowganda properties with 6,461,021 ounces silver and 299,847 ounces cobalt produced. The majority coming from the Castle No. 3 Shaft. (File 41P10NE0016).

**1925: Capitol Silver Mines/ Trethewey Silver Cobalt Mines (Castle- Trethewey);** Sunk a second shaft, 60 ft east of the initial shaft which reached a final depth of 819 ft. This second shaft would be referred to as the 'Capitol Shaft'. (File 41P10NE0016).

**1951-66 and 1969-1971: Castle-Trethewey Mines Ltd./ McIntyre Porcupine Mines/ Siscoe Metals;** During these times and under several companies the Capitol Mine was actively mining and produced 11,437,181 ounces silver and 209,474 ounces cobalt. (File 41P10NE0016).

**1976: Milner Consolidated Silver Mines Ltd. (File 41P10NE0016)**  
***Compilation and Interpretation – Haultain and Nicol Township;***  
Kenneth H. Darke Consultants Limited compiled, interpreted, and concluded that vein systems and areas of potential economic interest within the properties were not sufficiently evaluated. Drilling and detailed geological evaluation was recommended to assess the potential of this area.

**1987: Canadian Lencourt Mines Ltd. (File 41P10NE0023)**  
***Geochemical Sampling – Haultain and Nicol Township;***  
Canadian Lencourt Mines Ltd and Sandy K. Mines conducted geochemical sampling on mine tailings on the Siscoe Metals property. It was concluded that the silver tailings at Sandy K are amenable to treatment. Recoveries were estimated to yield significant profit over a 7-year span.

**2007: Amador Gold Corp. (File 20000002177)**  
***Magnetometer Survey – Haultain Township;***

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Larder Geophysics Ltd. performed a magnetometer survey over 3.3875 line-km of the Capitol Mine Grid. Three significantly high magnetic intensities were observed. A northwest trending magnetic high was interpreted as a geological boundary, whereas the sources of a southwest linear trend and a high anomaly observed in the lake region could not be configured.

**2008: Amador Gold Corp. (File 20000002746)**

***Very Low Frequency EM Survey – Haultain Township;***

Larder Geophysics Ltd. conducted a VLF EM survey over 3.4875 line km of the Capitol Mine Grid. High magnetic intensities were mainly observed in the vicinity of an old mine. An intense north-northwest trending anomaly and a strong axis was observed, but their sources were undetermined.

**2009: Amador Gold Corp. (File 20000003861)**

***HLEM Survey – Haultain Township;***

Larder Geophysics Ltd. conducted a HLEM survey over 3.4875 line km of the Capitol Mine Grid. Conductive HLEM axes were observed in the survey area. Northern portion of these contributions were likely due to cultural features.

**2013-2015: Castle Silver Mines Inc (File 20000014046)**

***Geological Mapping, Geochemical Sampling, Stripping, Channel Sampling, Rehabilitation – Haultain and Nicol Township;***

Douglas Robinson of Doug Robinson Consulting conducted geological data compilation, geochemical analyses, stripping, channel sampling and grid rehabilitation on the Castle Silver Property. Additional line cutting, geophysical surveys and geological surveys were recommended for the survey area.

**2016: Battery Mineral Resources Limited (File 20000015781)**

***Airborne Magnetometer and Airborne Radiometric Surveys – Donovan, Barber, Browning, Charters, Corkill, Donovan, Dufferin, Ermatinger, Hart, Haultain, James, Leckie, Leonard, Moncrieff, Nicol, North Williams, Ray, Speight, Unwin, Van Nostrand, Willet Townships;***

Precision GeoSurveys conducted airborne magnetometer and radiometric surveys over 12,024 line-km of land for the Cobalt Project. Geophysical maps were generated with data obtained, but no solid interpretation was made. Additional geophysical surveying was recommended for accurate interpretation.

**2018: Airborne Imaging**

In mid to late summer of 2018, Airborne Imaging of Calgary Alberta was contracted by BMR to conduct a LiDAR survey of the Gowganda property including the Capitol project area. This aided significantly in identifying the location of historic, shafts pits and trenches which, generally, were inaccurately located on the various historic maps and plans and on the OGSearch AMIS sites.

**2018: Canadian Exploration Services Limited (CXS):**

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CXS was contracted to perform a detailed 3D Distributed IP survey on the Gowganda Project– Capitol Grid for BMR in December 2018.

A total of 10639 filtered data points was collected from this 3D IP survey. An inversion model of the resistivity and chargeability was produced with a depth up to 260 metres. This 3D IP survey highlighted multiple features that should be further investigated. Three low resistivity anomalies striking east-west are characterized by a low resistivity and high chargeability signature, which is the trend expected with the silver vein systems in this region.

The results of the 3-D IP survey, as well as all other geophysical data pertaining to the Capitol area were analysed by T. Weis, geophysical consultant, to aid in interpretation of the geology and to generate drill targets.

**2019: Battery Mineral Resources Corp (File 20000018005) Report on Diamond Drilling at the Gowganda Project, Capitol Mine Kilpatrick Prospect, Haultain Township, Ontario, Canada;**

Following a program of power stripping and channel sampling by CXS/ BMR in November 2018 that uncovered a Co-bearing vein system, 15 diamond drill holes were planned to test the vein system at depth and along strike. Several holes intersected significant Co values, the best 2.55% Co over 0.5m, however, it was found that the vein system tended to “pinch and swell” along strike and bottomed under the Huronian sediments in the unconformably underlying Archean basement volcanics.

**2020: Battery Mineral Resources Corp (File 20000018177) Bedrock Stripping, Washing and Outcrop Mapping Report for the Gowganda Project, Capitol Mine Kilpatrick Prospect, Haultain Township, Ontario, Canada;**

In the summer of 2020, CXS technicians power stripped and cleaned an area north and south of the major stripped area of 2018. These were mapped and marked up for channel sampling by CXS/ BMR geologists which yielded anomalous Co values. Three follow up diamond holes were drilled by BMR in July 2020.

## **2.5 REGIONAL & LOCAL GEOLOGY**

The Gowganda project area lies along the eastern margin of the Proterozoic Southern province within the Cobalt Embayment bounded by Archean basement rocks of the Superior province to the north and east, and by the Grenville province to the south (Joyce, 2011).

The project area is underlain by Early Proterozoic rocks of the Huronian Supergroup deposited between 2500 to 2200 million years ago. They rest unconformably over Archean granitic, meta-volcanic and metasedimentary rocks of the Superior province’s Abitibi greenstone belt (Joyce, 2011; Hanych, 1999). The rocks comprising the Huronian Supergroup in the project area consist primarily of rocks from the Gowganda

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and Lorrain formations of the Cobalt Group, the youngest stratigraphic section of the Huronian Supergroup (Joyce, 2011).

The Gowganda Formation is the basal unit of the Cobalt Group and is composed of laminated siltstones and argillites, sandstones and a conglomeratic unit characterized by numerous felsic granitic drop stones (Lindsey, 1969; Siemiatwoska, 1977). The Lorrain Formation consists of pebbly sandstones, conglomerates and is capped by quartzite (Siemiatwoska, 1977). Both formations display strong evidence for a fluvial origin through flame structures, graded bedding, and rippled tops (Lindsey, 1969).

Both the underlying Archean rocks and Huronian sediments were intruded by a large mafic sill known as the Nipissing Diabase between 2220 to 2217 million years ago (Palmer et al., 2007). A number of phases define the Nipissing Diabase but compositionally it is considered an olivine tholeiite and occurs as undulating gabbroic sills with a relatively uniform thickness of 980-100 m (Jambor 1971; Joyce 2011; Siddom and James, 1999). The undulatory nature of the sill creates a series of peaks and troughs and in the project area the Nipissing acts as a bowl which underlies the volcanics at approximately 400 m.

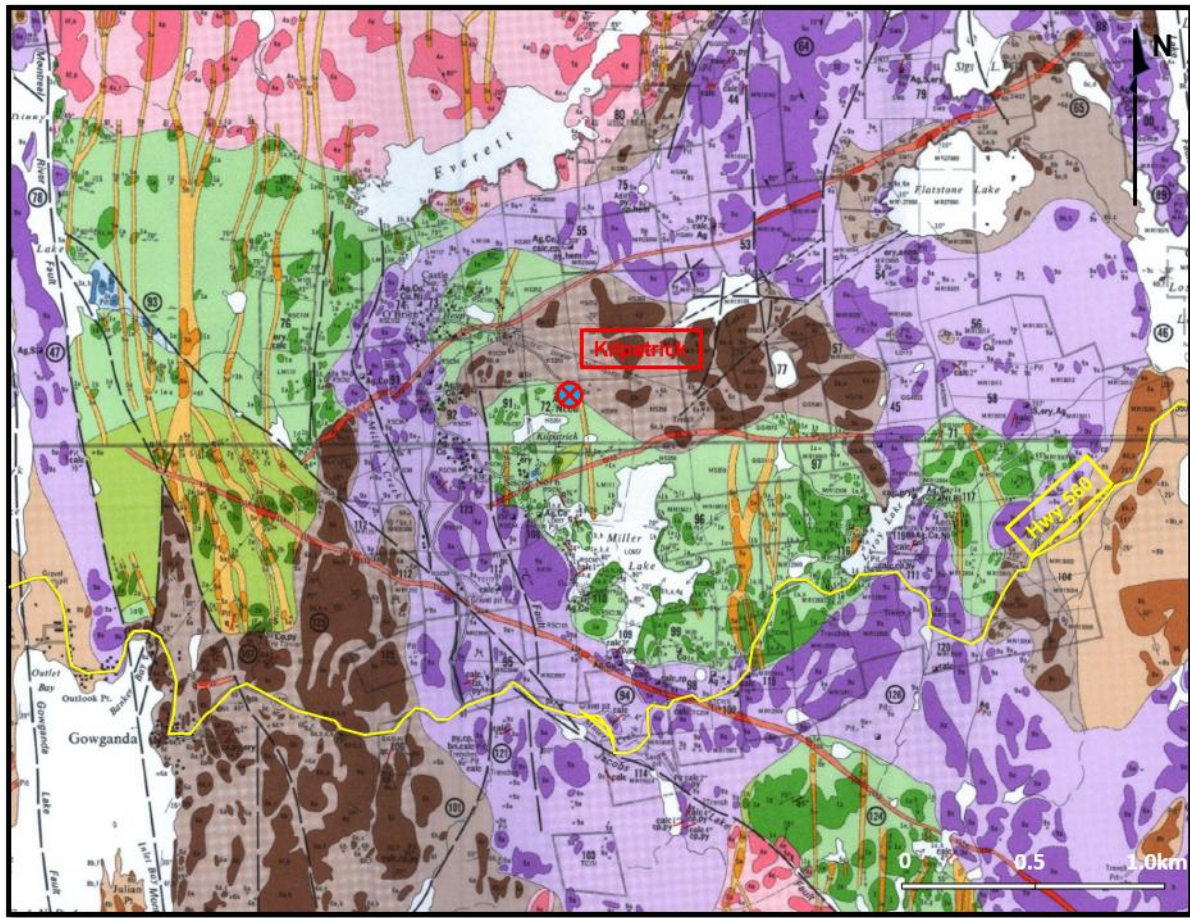
The “bowl” shape of the Nipissing diabase sill (purple) is evident in McIlwaine’s interpretation of the geology of the Gowganda area as displayed in Figure 4. It intrudes the underlying Archean volcanic rocks (green) and the Huronian sediments (browns) which unconformably overly the volcanics but does not appear to cut the granites (pink).

The area of the Kilpatrick drill site is underlain by a thin skin of Huronian sandstones that unconformably overlie a sequence of mafic volcanics with interbedded graphitic argillites all of which are intruded by a shallow basin- shaped sill of Nipissing diabase.

## **2.6 MINERAL DEPOSIT TYPES**

Exploration drilling at Gowganda was focused on defining the extent of the Kilpatrick cobalt mineralized veins mapped on surface. Models of primary cobalt deposits, apart from those in the Central African Copperbelt, are not well defined in the existing literature (e.g., Hitzman et al., 2016).

Kerrich et al. (1986), Andrews et al. (1986a), and Andrews et al. (1986b) undertook detailed geological and geochemical studies of the Ag-Co veins of the historic Cobalt and Gowganda camps and concluded that saline to hypersaline basin brines transported metals to deposition sites, and that these metals were sourced from Huronian



***Figure 4. The Gowganda area geology (from McIlwaine, 1978).***

Basin aquifers. Proterozoic Ag-Co veins and Archean mineralized zones at Gowganda are hosted in the Huronian Basin and are closely linked to the basement massive sulfide deposits, it is possible that cobalt minerals at the Kilpatrick target also formed from saline basin brine circulation into structural traps.

## **2.7 TARGET OF INTEREST**

The main target of the drill program was an IP chargeability anomaly interpreted from a deep 3-D distributed array survey conducted in December 2018 by CXS. The drill was set up on the north edge of the 2019 stripping beside the collar for hole GKP20018.

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### 3. DRILLING

#### 3.1 PERMITS

Permit for exploration drilling at the Gowganda project, Capitol Mine Kilpatrick prospect is PR-18-000108.



**Figure 5. Drill Hole Location Plan- hole GKP21019 in red, IP chargeability anomaly at -250 elevation in pink.**

### 3.2 DRILLING

The aim of the 2021 drilling on the Gowganda project, Capitol Mine Kilpatrick prospect was to explain a moderate to deep IP chargeability anomaly south of the Capitol shaft (Figure 5) and to test the upper contact area of the diabase for veining.

To evaluate the 3-D Distributed Array IP chargeability anomaly, Battery Mineral Resources Ltd. (BMR) undertook a very limited diamond drilling campaign at the Gowganda Project, Capitol Mine Kilpatrick Prospect between June 24<sup>th</sup> and 30<sup>th</sup>, 2021, comprising 1 hole totaling 498 meters. 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 in the field by BMR geologists Sean Hicks, Nico Kastek, and Ryan Wells and then quickly logged/ checked by F Ploeger before being sampled and processed. Collar data for the holes is summarized in Table 2 while the drill hole metadata and complete text logs are given in Appendix 2 & 3.

Hole ID	mEasting	mNorthing	Elevation (m)	Azimuth	Dip	Depth (m)	Samples Assayed
GKP20019	520292	5279780	402	195	-45	498	58

***Table 2. Collar Data for 2021 diamond drill hole GKP21019.***

### 3.3 RESULTS

Hole GKP20019 on the Gowganda project, Capitol Mine Kilpatrick prospect targeted a relatively deep IP anomaly south of the Capitol shaft under Kilpatrick Lake. It was collared beside the casing of GKP20018 at the northeast edge of the 2018 stripped area.

#### Geology

Hole GKP21019 was collared in poorly bedded, fine grained Huronian sandstone/ arkose underlain with a 5 metre lens of diamictite/ basal grit at the unconformity with the Archean sequence at 29.15m. The Archean rocks consist of a sequence of graphitic argillite and wacke to 187.72m which is cut by an ultramafic intrusive (33.70 to 127.30m). The hole continues through a possible layered/ differentiated mafic- ultramafic sill consisting of units of pyroxenite and peridotite, ending at a strong shear fault at 349.24m. This is followed by another package of mafic flows and sediments to the contact with the Nipissing Diabase at 384.25m, characterized by a narrow flow banded chilled margin grading rapidly into a massive, medium (to coarse) grained phase with no veining. The hole was terminated at 498m. An abbreviated drill log is provided in Table 3.

Hole ID	from	to	Lithology	Description
GKP20019	0.00	2.35	overburden	
	2.35	24.25	arkose	weakly bedded @ 55
	24.25	29.15	diamictite	basal grit/ conglomerate
			unconformity	Huronian/ Archean
	29.15	33.70	graphitic argillite	massive, minor bedding, pyritic
	33.70	127.30	ultramafic intrusive	massive, fine- med grained, local talc
	127.30	187.72	graphitic argillite	local wacke beds,
	187.72	223.90	mafic intrusive	very coarse grained, fresh, magnetic
	223.90	317.95	pyroxenite?	massive, moderate- weak magnetic
	317.95	349.17	ultramafic intrusive	massive, black, strongly magnetic
	349.17	349.24	fault	shear/ crush @ 40 dtca
	349.24	384.25	mafic volcanics	massive flows, seds and um at start
	384.25	498.00	Nipissing Diabase	ct @ 50 dtca, massive, medium grained
		498.00	EOH	

**Table 3. Abbreviated log for diamond drill hole GKP21019.**

### Mineralization

During a site visit by Dr. Lebrun of SRK Consulting in August 2019, the Kilpatrick veins exposed by the stripping program were interpreted as either extensional, hybrid, or shear veins with possible cobalt bearing plunge structures identified at an approximate orientation of 350/ 65 and found at the intersection of steeply dipping N-S and NW veins. In the 2019 drilling, it was found that mineralization occurred as veins/ stringers in the structures mapped on surface in the stripped area, whereas in the 2020, 3 hole program, the cobalt mineralization in hole GKP20016 (1.86% Co/ 0.3m) occurred unexpectedly near the top of the hole as two 2- 8mm, undulating cobaltite veinlets with erythrite coated vugs near the upper contact accompanied by several sub millimeter scale mineralized fractures.

No significant cobalt mineralization was encountered in hole GKP20019 in the Huronian sediments even though the vein exposed in the stripping is within 4 metres of the collar. The only significant values were encountered in a talcose ultramafic unit veined with 15% quartz- carbonate stringers at 354m which returned up to 30.1 g/t silver, 0.37% copper, 0.14% nickel, 0.05% cobalt and 0.086 g/t gold. A small spike of 6.49 g/t silver was obtained from a white quartz vein at 358.70m., otherwise, only marginally elevated copper and silver values occurred in quartz- carbonate veins in the sediments and mafic intrusives. Significantly, there was no veining encountered near the upper contact of the Nipissing Diabase sill as is the typical locale for the ore-bearing silver veins of the Gowganda camp.

A summary of significant/ anomalous assays is provided in Table 4 and a complete listing of all ALS assay results and certificates in Appendix 4 & 5. A cross section of



the hole is presented in Appendix 6.

Drillhole Number	From (m)	To (m)	Sample Interval (m)	Co (%)	Ag (g/t)	Cu (%)	Ni (%)	Au (g/t)
GKP21019	6.70	7.20	0.50	0.00	0.65	0.42	0.01	0.003
GKP21019	181.50	182.00	0.50	0.02	2.34	0.10	0.00	0.01
GKP21019	191.25	191.75	0.50	0.00	1.06	0.11	0.00	0.004
GKP21019	319.70	320.70	1.00	0.02	0.33	0.00	0.17	0.001
GKP21019	353.50	354.00	0.50	0.05	30.1	0.37	0.14	0.069
GKP21019	354.00	354.50	0.50	0.02	5.35	0.07	0.09	0.086
GKP21019	357.00	358.00	1.00	0.02	6.49	0.04	0.09	0.011

**Table 4. Significant assays for the 2020 diamond drill holes.**

### 3.4 SUMMARY AND RECOMMENDATIONS

#### Summary

Battery Mineral Resources Ltd. (BMR) drilled one hole, GKP21019, at the Gowganda Project, Capitol Mine Kilpatrick Prospect between June 24<sup>th</sup> and 30<sup>th</sup>, 2021 to a depth of 498 meters. The drilling was completed by G4 Drilling (G4) of Val-d'Or, Quebec with project supervision by F Ploeger and P Doyle of Battery Mineral Resources Corp. (BMR).

The aim of the 2021 drilling was to test a moderately deep IP anomaly south of the Capitol shaft and continue the hole into the upper portion of the Nipissing Diabase sill which was historically, the ore-bearing horizon in the Gowganda camp.

Hole GKP21019 was collared in Huronian sandstone/ arkose, penetrated the unconformity with the Archean rocks at 29.15 m cutting a sequence of graphitic sediments and mafic volcanics that appear to be intruded by a differentiated mafic/ ultramafic sill, before entering the Nipissing Diabase sill at 384.25m to the end of hole (498m).

Cobalt mineralization in hole GKP20019 was detected by portable XRF scans during logging at 181.66m within graphitic argillite (400- 600ppm) and around 354m in a talcose ultramafic unit where cobalt values ranged to 0.31% accompanied by significant Cu, Pb, Zn, As along with anomalous Ag. The assay results from ALS confirmed the initial XRF scans as is evident from Table 4, particularly the 30.1 g/t Ag and 0.37% Cu values, as well as 0.57% Zn, and, surprisingly, Au assays of up to 0.086 g/t.

Although the drill hole passed through the plane of the cobalt vein exposed in the stripped area, there was no obvious vein or structure observed in the core and no

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anomalous XRF readings. Similarly, after passing through 114m of the upper section of the Nipissing Diabase sill, no significant carbonate veins were noted nor XRF values obtained.

As concluded after the 2018 stripping and 2019 drill programs, the style of mineralization, cobalt infilling of fractures, and veins/ stringers, implies that there was fluid channeling through the underlying volcanic package initiated by the intrusion of the Nipissing Diabase sill. The fluids may have scavenged sulphur, arsenic and cobalt from the host volcanics and interflow sediments which were subsequently trapped under the sedimentary cap, finding their way into fractured zones and any minor slips/ joints/ faults/ dilatant features within the Huronian sediments where the cobalt mineralization was deposited.

From hole GKP21019, it can be concluded that:

- The structure hosting the spectacular looking cobalt mineralization on surface was intersected, but was “tight” and not obvious in the core;
- The upper section of the Nipissing Diabase which historically hosted the silver veins in the Gowganda camp, is not mineralized over the upper 80m (vertical) under Kilpatrick Lake at the Capitol property;
- The IP chargeability anomaly can be partially attributed to the abundant graphitic interflow sediments in the hole between 29.15m and 187.72m;
- Possibly also contributing to the deeper portion of the IP anomaly is the strongly magnetic ultramafic unit at 317.95 to 349.17m;
- The graphitic sediments underlying the Huronian sediments and trapped above the Nipissing Diabase sill, are slightly anomalous in base metals, S and As which may have been scavenged and redeposited in the structures/ veins in the sediments and diabase;
- The strong veining and accompanying enrichment of Ag, Cu, Zn, As and Au in the ultramafic unit around 354m may represent a channel way and repository for a hydrothermal system associated with the diabase intrusion.

## Recommendations

The aim of the 2021 drilling was to test a moderately deep IP anomaly south of the Capitol shaft and continue the hole into the upper portion of the Nipissing Diabase sill which was, historically, the ore-bearing horizon in the Gowganda camp. Hole GKP21019 was collared in Huronian sandstone/ arkose, cut a sequence of graphitic sediments and mafic volcanics intruded by a differentiated mafic/ ultramafic sill, and ended in the Nipissing Diabase sill from 384.25m to the end of hole at 498m. Preliminary XRF scans, which detected anomalous Co, Ag, and base metal mineralization around 181m in graphitic sediments and 354m in deformed and veined ultramafic,

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were confirmed by ALS assay results. No veins were intersected, nor significant assay values obtained, from the stripped surface vein/ structure or from the Nipissing Diabase sill.

Anomalous base metal, silver, arsenic and sulphur assays from the interflow graphitic sediments suggest that they may provide a source of metals for scavenging fluids, and the veined and mineralized ultramafic unit may indicate that it acted as a feeder to the structures in the Huronian sediments and possibly to the veins in the diabase.

It is recommended that:

- 1) the 2018 IP survey, 2019 diamond drilling, the 2020 drill holes, hole GKP21019, the mapping of the stripped areas, and the historic data from the level plans, be incorporated into a 3-D model of the Capitol property.
- 2) fluid channeling through the underlying volcanic package initiated by the intrusion of the Nipissing Diabase sill may have scavenged sulphur, arsenic and cobalt from the host volcanics and interflow graphitic sediments and redeposited them in structurally controlled fluid conduits such as the ultramafic horizon at 354m. Continued migration upwards may subsequently have channelled these fluids under the Huronian sedimentary cap at the unconformity where they migrated into structural features and were deposited. Therefore, ultramafic units and possible structural shears in the volcanics or ponding under the sediments at the unconformity could be modelled and provide drill targets.
- 3) The immediate area around the stripped areas be mapped in detail and incorporated into the 3-D model to aid in the geological interpretation of the site with respect to stratigraphy, veining, structure, and possible influence of basement paleo topography on the veining and as a source/ conduit for the mineralizing fluids.
- 4) Recent press releases on the adjacent property describe a significant silver vein intersected in drilling near the northeast corner of the Capitol claim. This should be included in the model to determine possible geometries of the vein which may provide a drill target for BMR.

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## 5. QUALIFICATIONS

### CERTIFICATE OF QUALIFICATION AND CONSENT

*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 temporary permit (#2153) to practice in Quebec from the Ordre des geologues du Quebec pending acceptance by the Office quebequois de la langue francaise (OQLF).
- 4) That I have practiced my profession as a mineral exploration and mine geologist for a period of about 45 years.
- 5) This document is based on information various public documents and my personal observations during several 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.*

---

Frank R. Ploeger

Virginiatown, Ontario, August 19, 2021

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## 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 Exploration Manager – Canada for Battery Mineral Resources Limited 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, August 19, 2021

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## 6. 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

- Integrated high-performance GPS/SBAS1 receiver and L1 antenna

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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>



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- 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 GPSAnalyst™ 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 Beaconreceiver
  - 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

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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. APPENDIX

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Data on accompanying disc includes:

- 1.) Drill Hole Metadata
- 2.) Drill Hole Text Logs
- 3.) Assay Data
- 4.) Certificates of Analyses
- 5.) Cross Section Graphic Log with Assays
- 6.) Plan Map















166809	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	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	Gowganda	41P10218	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.76	NICOL	\$	400	\$	420	\$	-	\$	-	\$	-
563228	Gowganda	41P10219	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.76	NICOL	\$	400	\$	446	\$	-	\$	-	\$	-
563229	Gowganda	41P10238	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	411	\$	-	\$	-	\$	-
563230	Gowganda	41P10239	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	468	\$	-	\$	-	\$	-
563231	Gowganda	41P10240	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	571	\$	-	\$	-	\$	-
563232	Gowganda	41P10258	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	671	\$	-	\$	-	\$	-
563233	Gowganda	41P10259	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	437	\$	-	\$	-	\$	-
563234	Gowganda	41P10260	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	500	\$	-	\$	-	\$	-
563235	Gowganda	41P10278	SCMC	Active	2022-11-03	2022-11-03	2022-06-03	(100) BATTERY MINERAL RESOURCES LIMITED	21.77	NICOL	\$	400	\$	506	\$	-	\$	-	\$	-
563236	Gowganda	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	nNorthing	Elevation (m)	Azimuth	Dip	Depth (m)	Drill Core Diameter	Cell Number (Provincial Grid)	Legacy Claim #	Mining Claim Number	Drilling Start Date	Drilling End Date	Drilling Contractor	Storage	Overburden Thickness (m)	Casing	Cap Method	Abandoned	Artisan Conditions	Log Start Date	Log Completion Date	Log Author
	Datum: UTM NAD 83, Zone 17N																					
GKP20016	520292	5279780	402	194.38	-45.33	498	NQ	41P101964	4208019	152343	2021-06-24	2021-06-29	Forage G4 Drilling	Canadian Exploration Services Ltd. 14579 Government Road Lander Lake, Ontario, Canada POK 110	2.35	Left in Place	Metal Collar Cap	No	No	2021-06-25	2021-07-10	R. Wells/N. Kastek







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To: NORTH AMERICAN COBALT – BATTERY  
 MINERALS RESOURCES  
 THE PACIFIC BUILDING  
 SUITE 400, 744 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1A5

Page: 1  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

**CERTIFICATE SD21186447**

Project: Gowganda Kilpatrick–GKP21–019  
 P.O. No.: GKP21–019  
 This report is for 58 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 19–JUL–2021.  
 The following have access to data associated with this certificate:

PETER DOYLE NICO KASTEK RYAN WELLS	MIKE HENDRICKSON FRANK PLOEGER	SEAN HICKS STEVE TRIMMER
--	-----------------------------------	-----------------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging – ClientBarCode
LOG-23	Pulp Login – Rcvd with Barcode

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	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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, General Manager, North Vancouver



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To: NORTH AMERICAN COBALT – BATTERY  
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 VANCOUVER BC V6C 1A5

Page: 2 – A  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLW

Project: Gowganda Kilpatrick–GKP21–019

**CERTIFICATE OF ANALYSIS SD21186447**

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
R3719		0.34	0.65	7.65	39.5	360	1.82	0.30	0.26	0.03	58.4	37.9	92	1.38	4170	3.64
R3720		0.41	0.45	7.49	48.6	340	1.66	0.24	0.25	0.03	51.5	37.4	83	1.31	2070	3.21
R3721		0.12	4.53	5.66	14.9	120	0.56	0.82	3.46	2.00	17.20	1010	275	0.76	>10000	18.55
R3722		0.80	0.11	7.44	3.2	330	1.32	0.19	0.22	<0.02	54.9	13.8	65	1.05	18.4	2.80
R3723		1.57	0.13	5.23	20.6	40	2.10	0.16	9.19	0.04	29.9	53.2	511	1.32	287	7.64
R3724		2.12	0.86	4.28	115.0	50	1.07	0.61	11.80	0.26	34.8	47.9	226	0.75	380	7.04
R3725		0.53	0.01	0.13	0.8	10	0.10	0.01	33.1	<0.02	1.38	1.5	6	0.05	7.1	0.24
R3726		1.95	1.68	6.67	181.5	30	1.04	0.40	4.02	2.09	32.4	70.8	132	0.72	522	7.35
R3727		0.98	1.62	5.76	62.2	20	0.84	0.23	5.50	0.68	21.5	48.4	134	0.49	310	7.51
R3728		1.91	0.51	4.35	83.3	10	0.65	0.13	9.72	0.44	18.55	68.5	634	1.04	388	8.42
R0259		2.00	0.18	4.25	50.6	50	0.46	0.04	6.48	0.37	8.96	81.1	1110	1.35	45.5	9.04
R3729		1.14	0.22	5.84	24.7	390	1.12	0.44	5.03	0.19	72.9	29.1	303	0.57	87.5	4.67
R3730		1.40	0.10	7.67	4.4	140	0.83	0.14	2.17	0.09	22.1	5.3	22	0.10	30.3	1.55
R3731		1.53	0.27	5.56	48.5	110	0.96	0.62	5.92	0.03	23.1	25.6	140	0.33	48.9	4.88
R3732		1.46	0.82	4.35	100.5	190	0.60	0.92	5.36	3.05	28.5	77.6	188	0.50	905	12.55
R3733		1.84	0.61	7.25	107.5	260	0.78	1.02	1.86	2.26	40.9	29.9	22	0.42	116.5	3.38
R3734		1.79	1.48	3.25	38.9	70	0.28	1.03	3.83	0.09	17.05	22.8	34	0.11	101.5	1.35
R3735		1.89	0.40	0.77	23.9	20	0.08	0.31	7.21	0.20	17.10	12.3	50	0.07	15.2	0.84
R3736		1.80	0.76	7.29	24.0	110	0.60	0.52	1.54	0.10	34.1	14.4	23	0.16	90.4	1.96
R3737		1.20	0.91	1.71	17.4	20	0.15	0.84	1.50	0.34	7.61	3.8	46	0.06	73.6	0.68
R3738		1.18	1.75	6.98	33.8	30	0.56	0.78	5.94	3.10	30.4	6.4	18	0.05	89.0	0.62
R3739		0.39	2.34	7.14	627	520	1.03	1.70	5.11	1.67	58.7	167.5	25	0.52	999	2.98
R3740		0.49	3.37	7.25	1350	760	1.18	2.53	4.33	0.89	56.2	158.0	28	0.55	2300	3.36
R3741		0.12	3.98	5.72	13.7	120	0.63	0.87	3.55	2.12	17.20	1035	278	0.75	>10000	19.00
R3742		1.59	0.11	5.37	12.7	30	0.62	0.05	8.27	1.06	23.5	34.4	150	0.69	60.4	6.77
R3743		0.94	0.43	6.75	14.2	970	0.74	0.28	2.44	1.58	33.7	58.9	2	8.11	219	13.45
R3744		1.03	1.06	4.71	1.5	220	0.63	0.05	13.35	0.23	24.6	40.1	1	5.87	1130	10.00
R3745		1.68	0.20	7.36	3.1	410	0.86	0.06	2.43	0.45	40.2	48.7	<1	10.15	167.0	12.75
R3746		2.10	1.25	4.88	9.8	180	0.79	0.27	10.95	0.05	20.4	56.2	5	4.59	305	12.10
R3747		1.97	0.45	6.72	12.8	440	1.10	0.26	5.53	0.05	34.1	50.7	2	7.49	117.5	12.55
R3748		0.98	0.63	7.31	15.2	450	0.79	0.30	4.33	0.05	32.4	50.3	3	7.79	111.5	13.10
R3749		2.17	0.73	6.33	14.9	200	0.74	0.50	6.91	0.03	23.7	67.5	3	4.72	79.4	14.25
R3750		1.56	0.92	6.83	21.8	150	0.98	0.53	6.00	0.11	30.6	67.5	5	3.24	170.5	14.10
R3751		2.02	0.33	1.08	13.1	10	0.30	0.20	2.30	0.21	4.63	157.0	5260	0.38	26.4	12.65
R3752		1.47	1.47	0.98	396	20	1.02	0.69	7.42	6.42	16.75	60.2	2640	0.69	338	5.85
R3753		1.00	30.1	3.68	9760	20	1.94	98.8	10.40	9.88	28.1	458	1530	2.96	3710	9.41
R3754		0.94	5.35	1.10	1760	20	1.61	12.25	10.35	18.40	15.65	182.0	3300	1.99	671	4.64
R3755		1.03	0.68	3.61	70.0	10	1.64	1.85	9.58	0.53	23.1	32.9	2280	1.58	417	6.94
R3756		2.07	0.19	5.37	8.2	20	1.74	0.23	10.15	0.06	36.6	30.9	1080	1.73	82.4	8.25
R3757		1.81	0.51	6.88	16.9	10	2.30	0.50	5.71	0.12	38.0	50.1	617	2.35	223	11.60





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Page: 2 – B  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
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Project: Gowganda Kilpatrick–GKP21–019

**CERTIFICATE OF ANALYSIS SD21186447**

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
R3719		19.60	0.22	3.2	0.139	1.92	27.6	24.0	1.68	279	1.75	3.76	5.8	71.5	610	15.3
R3720		19.10	0.20	3.2	0.089	1.85	24.5	22.2	1.56	261	1.59	3.84	5.4	72.1	600	13.8
R3721		11.85	0.37	1.2	0.125	0.33	7.4	10.1	4.09	1010	4.56	1.22	4.9	>10000	470	13.1
R3722		18.30	0.14	2.7	0.015	1.86	24.8	19.5	1.51	254	3.42	4.04	4.2	43.5	570	6.8
R3723		13.95	0.16	1.5	0.095	0.11	14.2	29.4	4.24	1370	0.55	1.24	3.4	218	670	6.0
R3724		11.35	0.13	1.5	0.298	0.22	17.0	18.5	4.30	3050	7.83	1.30	2.7	120.0	690	562
R3725		0.43	0.05	0.1	0.006	0.02	1.3	1.5	2.42	168	0.10	0.04	0.1	3.5	80	4.9
R3726		17.20	0.13	2.7	0.425	0.06	13.7	18.9	2.51	644	5.17	3.60	4.4	162.5	540	1145
R3727		14.10	0.10	2.1	0.580	0.03	8.6	22.0	3.09	830	2.07	2.42	3.9	94.7	490	821
R3728		11.65	0.09	1.3	0.197	0.05	7.5	32.0	5.82	1430	1.50	0.75	2.7	342	310	266
R0259		11.30	0.08	1.2	0.089	0.27	3.6	30.8	11.25	1360	2.31	0.19	2.1	690	240	47.4
R3729		14.15	0.14	2.4	0.046	0.63	32.4	21.9	3.17	699	5.96	2.81	3.2	157.5	1170	13.6
R3730		14.70	0.09	1.9	0.011	0.20	10.1	5.2	0.48	234	4.04	5.94	1.4	10.0	390	8.2
R3731		15.40	0.12	1.7	0.034	0.30	10.5	19.4	1.84	800	2.46	2.93	2.0	69.0	400	8.7
R3732		14.90	0.14	1.6	0.326	0.71	13.4	21.1	1.88	814	3.37	1.12	2.0	222	250	61.3
R3733		17.15	0.10	2.7	0.333	1.37	19.7	13.1	0.57	244	6.22	3.70	3.0	50.3	490	25.8
R3734		6.84	0.08	1.0	0.017	0.20	7.9	6.6	0.40	427	13.20	2.11	2.1	21.5	240	838
R3735		2.15	0.06	0.2	0.026	0.05	7.8	3.0	0.20	670	12.25	0.45	0.5	15.5	70	201
R3736		14.15	0.11	1.9	0.016	0.21	16.6	11.4	0.79	198	10.90	5.36	4.2	14.6	380	317
R3737		3.10	0.08	0.6	0.011	0.03	3.6	2.9	0.11	163	37.6	1.30	1.1	13.3	120	774
R3738		14.10	0.13	2.8	0.035	0.07	13.9	5.0	0.25	381	114.5	6.89	5.2	29.0	510	1170
R3739		15.75	0.17	2.4	0.210	0.84	27.0	23.0	1.08	803	6.23	3.86	4.2	35.6	870	753
R3740		16.05	0.18	2.3	0.289	0.95	27.2	23.5	1.01	551	5.87	3.70	4.1	53.0	790	947
R3741		11.65	0.27	1.4	0.127	0.32	7.5	10.7	4.28	1050	4.81	1.26	4.8	>10000	480	15.0
R3742		22.4	0.10	2.4	0.040	0.03	9.7	41.8	4.05	1240	5.91	1.68	4.5	295	330	69.5
R3743		21.1	0.10	2.9	0.100	0.45	11.6	23.7	3.04	1500	2.19	3.04	9.2	25.4	700	111.5
R3744		15.75	0.05	2.0	0.075	0.39	8.9	11.2	1.82	1870	3.42	1.76	5.7	11.7	370	5.8
R3745		21.4	0.09	2.6	0.083	0.64	14.9	7.3	1.33	1700	0.42	4.33	10.2	5.2	800	4.6
R3746		14.85	0.08	1.7	0.079	0.24	7.6	7.1	2.19	2410	0.58	2.49	5.7	51.0	460	8.0
R3747		19.70	0.13	1.8	0.100	0.47	13.4	6.9	1.31	2840	0.56	4.05	9.6	18.2	700	9.1
R3748		19.75	0.11	2.1	0.097	0.53	12.9	9.2	1.73	3300	0.53	4.22	9.1	15.2	660	8.6
R3749		19.90	0.10	2.2	0.108	0.27	8.3	10.1	2.40	2490	3.14	3.24	7.1	34.6	530	20.1
R3750		21.9	0.12	2.0	0.113	0.21	11.6	9.3	2.25	2170	0.42	3.56	8.4	26.1	660	29.4
R3751		4.64	0.06	0.4	0.032	0.05	1.9	17.5	18.25	2440	0.10	0.07	1.1	1740	50	266
R3752		6.16	0.06	0.4	0.394	0.06	5.3	20.4	13.60	943	0.61	0.31	1.2	808	30	688
R3753		11.90	0.08	1.2	1.350	0.06	10.2	108.5	7.87	1730	3.75	0.15	2.6	1420	560	1540
R3754		5.31	0.05	0.4	0.575	0.06	5.7	36.5	8.96	1540	1.05	0.12	0.9	929	60	2430
R3755		13.25	0.06	1.5	0.183	0.02	9.8	113.0	3.64	1730	9.23	0.25	2.2	622	350	40.1
R3756		16.55	0.11	3.5	0.262	0.04	14.6	120.5	4.56	1730	1.71	1.06	4.9	385	1600	12.4
R3757		22.4	0.12	4.5	0.200	0.03	14.9	216	7.76	1300	1.94	0.74	5.5	655	2170	20.2



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Page: 2 – C  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
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Project: Gowganda Kilpatrick–GKP21–019

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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	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
R3719		73.1	<0.002	0.46	0.64	10.2	1	1.5	161.0	0.51	<0.05	8.78	0.232	0.43	2.7	77
R3720		69.8	<0.002	0.25	0.59	9.5	1	1.3	156.0	0.48	<0.05	8.00	0.218	0.39	2.5	73
R3721		10.7	0.049	8.13	3.35	9.0	22	2.4	187.5	0.28	4.54	1.04	0.524	0.19	0.3	81
R3722		59.0	<0.002	0.06	0.19	7.1	<1	0.8	145.0	0.36	<0.05	6.37	0.175	0.35	2.5	64
R3723		6.2	<0.002	0.29	0.48	30.5	1	0.7	164.0	0.21	<0.05	1.33	0.531	0.10	0.5	210
R3724		5.8	0.002	1.28	1.30	20.7	1	1.1	120.5	0.19	0.20	1.63	0.378	0.09	0.7	151
R3725		0.4	<0.002	0.02	0.06	0.6	1	<0.2	82.0	<0.05	<0.05	0.09	0.012	<0.02	0.1	4
R3726		1.8	0.010	3.69	2.31	22.2	7	1.2	99.8	0.32	0.53	2.37	0.447	0.24	0.7	157
R3727		0.7	<0.002	2.84	1.63	23.8	7	1.1	107.0	0.27	0.28	1.24	0.497	0.08	0.4	171
R3728		2.3	0.003	1.78	2.79	24.0	4	0.8	87.6	0.17	0.21	0.52	0.443	0.09	0.2	176
R0259		9.7	0.003	0.03	0.18	28.6	1	0.6	33.4	0.13	0.07	0.36	0.397	0.23	0.1	186
R3729		10.3	0.002	0.91	0.34	12.2	1	1.3	394	0.17	0.14	3.31	0.267	0.09	1.0	88
R3730		1.6	<0.002	0.59	0.28	2.6	1	0.5	418	0.08	0.07	1.62	0.133	0.02	0.5	32
R3731		5.8	<0.002	1.88	0.88	12.2	1	0.9	284	0.12	0.28	1.26	0.240	0.08	0.6	96
R3732		20.5	0.004	9.46	3.43	15.8	10	5.9	110.0	0.15	0.47	1.59	0.192	0.62	0.5	100
R3733		35.6	0.006	2.52	1.90	6.9	3	4.0	127.0	0.25	0.93	2.96	0.096	1.34	0.8	33
R3734		3.8	0.014	0.25	0.85	4.7	<1	0.2	187.5	0.18	0.35	1.71	0.073	0.04	0.5	19
R3735		0.9	0.010	0.11	0.44	7.0	1	<0.2	416	<0.05	0.08	0.41	0.013	<0.02	0.1	7
R3736		2.9	0.011	0.30	0.55	4.0	<1	0.5	162.5	0.40	0.09	2.55	0.137	0.03	0.9	36
R3737		0.4	0.041	0.12	1.13	1.4	<1	0.2	57.4	0.09	0.17	0.76	0.040	0.02	0.3	8
R3738		0.2	0.152	0.14	3.25	4.8	1	0.6	356	0.48	0.22	2.41	0.184	0.03	0.7	26
R3739		21.0	0.003	0.68	3.45	7.4	1	0.6	162.5	0.37	0.11	2.99	0.202	0.18	0.8	47
R3740		25.9	0.003	1.10	6.25	7.3	1	0.7	165.0	0.37	0.14	2.91	0.200	0.23	0.8	48
R3741		11.1	0.049	7.78	3.18	9.2	22	2.5	190.5	0.32	4.72	1.06	0.544	0.20	0.3	81
R3742		1.0	0.004	0.08	0.25	27.5	<1	1.3	238	0.32	<0.05	1.13	0.480	0.03	0.7	187
R3743		23.6	0.002	1.66	1.11	9.9	2	1.3	137.5	0.66	0.12	0.93	0.976	0.04	0.3	191
R3744		22.5	0.002	0.30	0.18	6.8	1	0.8	430	0.41	0.09	0.59	0.578	0.05	0.2	150
R3745		39.5	<0.002	0.43	0.13	5.8	1	1.0	244	0.68	<0.05	1.02	0.670	0.05	0.3	49
R3746		13.9	<0.002	0.38	0.52	14.3	1	0.9	188.5	0.39	<0.05	0.53	0.990	0.06	0.2	288
R3747		32.4	<0.002	0.34	0.36	8.4	1	1.0	257	0.61	0.05	0.92	0.801	0.05	0.3	85
R3748		34.4	<0.002	0.41	0.40	8.7	<1	0.8	220	0.62	<0.05	0.88	0.821	0.06	0.3	107
R3749		17.5	0.003	0.78	1.54	12.8	1	1.3	178.0	0.45	0.09	0.68	0.986	0.06	0.2	259
R3750		10.2	<0.002	0.62	0.99	11.1	1	1.1	197.0	0.55	0.13	0.73	1.030	0.08	0.3	174
R3751		3.4	<0.002	0.11	1.43	14.5	<1	0.3	24.9	0.07	0.06	0.08	0.201	0.05	0.3	93
R3752		2.8	<0.002	0.72	12.50	8.3	2	0.5	46.7	0.06	<0.05	0.97	0.136	0.02	0.3	100
R3753		6.1	0.003	1.44	99.0	15.7	3	0.6	53.0	0.12	0.13	1.07	0.251	0.12	0.7	141
R3754		6.1	0.002	0.51	24.8	9.4	1	0.3	54.4	0.06	<0.05	0.62	0.141	0.08	0.2	74
R3755		2.6	<0.002	0.06	1.83	14.1	<1	0.4	46.1	0.17	0.05	0.92	0.263	0.05	0.7	165
R3756		3.5	<0.002	0.03	0.64	21.7	<1	0.6	51.6	0.29	<0.05	3.70	0.426	0.04	1.8	173
R3757		3.3	0.002	0.10	0.82	16.1	<1	0.7	35.3	0.34	<0.05	4.84	0.511	0.03	1.3	127



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Page: 2 – D  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	Cu–OG62	Ni–OG62	Au–ICP21	CRU–QC	PUL–QC
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Cu % 0.001	Ni % 0.001	Au ppm 0.001	Pass2mm % 0.01	Pass75um % 0.01
R3719		0.7	10.2	28	127.0			0.003	79.3	98.7
R3720		0.7	9.4	26	125.5			0.001		97.4
R3721		2.1	9.7	145	49.7	1.660	4.63	0.310		
R3722		0.3	6.0	23	103.5			0.002		
R3723		0.6	21.6	79	53.0			0.001		
R3724		1.6	20.8	185	57.0			0.009		
R3725		<0.1	2.4	6	2.4			0.001		
R3726		0.6	22.5	790	107.0			0.011		
R3727		0.9	19.1	305	86.5			0.004		
R3728		1.2	16.3	273	53.3			0.001		
R0259		0.1	13.0	245	42.9			<0.001		
R3729		2.4	11.0	124	100.0			0.005		
R3730		1.3	3.0	54	76.5			0.002		
R3731		3.3	8.1	45	66.9			0.009		94.5
R3732		1.2	10.9	1380	64.0			0.015		98.4
R3733		1.8	8.2	1220	108.5			0.020		
R3734		0.7	4.7	35	40.3			0.005		
R3735		0.2	4.2	57	9.0			0.001		
R3736		0.8	5.2	44	77.9			0.006		
R3737		0.8	2.3	129	22.8			0.006		
R3738		1.8	7.7	1160	109.5			0.005		
R3739		4.0	11.0	556	92.5			0.010		
R3740		4.0	9.8	297	87.3			0.012		
R3741		2.4	10.0	146	57.3	1.665	4.77	0.261		
R3742		1.4	14.3	437	90.8			0.001		
R3743		1.6	15.5	627	133.0			0.001		
R3744		0.4	17.0	167	87.5			0.004		
R3745		0.5	21.7	326	118.0			0.001		
R3746		0.7	21.8	106	60.5			0.003		
R3747		0.5	28.5	81	84.6			<0.001		
R3748		0.7	27.5	105	98.1			<0.001		
R3749		1.0	25.3	133	90.0			0.001		
R3750		1.0	27.3	153	78.3			0.001		
R3751		0.8	3.8	184	10.4			0.001		
R3752		0.4	7.0	1830	12.7			0.002	80.6	
R3753		0.4	16.7	3130	48.6			0.069		
R3754		0.3	5.4	5670	14.3			0.086		
R3755		0.3	13.0	274	53.7			0.002		
R3756		0.6	30.9	101	135.0			0.002		
R3757		0.8	14.4	119	170.0			0.001	82.1	91.4



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Page: 3 – A  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**CERTIFICATE OF ANALYSIS SD21186447**

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
R3758		1.87	6.49	4.05	1150	20	1.62	11.40	12.05	5.36	31.1	179.0	385	2.35	404	7.16
R3759		1.27	0.36	6.04	37.0	20	0.69	0.13	7.36	2.61	26.9	24.7	1110	0.62	86.8	4.04
R3760		1.06	0.41	6.77	20.1	20	0.53	0.09	5.78	2.56	24.9	20.4	830	0.48	101.5	3.21
R3761		0.12	3.81	5.75	12.3	120	0.54	0.83	3.58	2.07	16.55	1030	282	0.74	>10000	19.10
R3762		1.88	0.45	9.28	35.1	30	0.41	0.10	1.71	3.08	23.0	15.7	21	0.38	103.5	2.60
R3763		1.92	0.20	4.28	36.9	20	1.16	0.11	8.25	0.51	18.55	27.1	1440	0.62	29.7	5.03
R3764		1.40	0.62	7.62	78.3	360	0.52	0.12	5.72	0.32	18.30	49.0	105	1.00	225	8.01
R3765		2.01	0.98	7.60	91.1	430	0.79	0.47	5.86	0.29	31.9	54.1	107	1.74	242	7.87
R3766		2.04	0.02	3.96	1.4	200	0.68	0.03	11.20	0.02	32.6	41.9	699	0.48	32.5	6.62
R3767		1.75	0.04	7.05	1.4	1050	0.82	0.03	5.18	0.02	57.9	38.8	193	0.63	9.0	7.10
R3768		1.80	0.39	7.47	24.3	430	0.73	0.12	4.84	0.74	18.30	43.7	108	1.31	169.0	7.36
R3769		1.20	0.21	7.99	41.4	660	0.57	0.10	6.10	1.58	15.25	52.8	123	1.51	98.9	8.53
R3770		1.17	0.39	7.87	28.0	610	0.41	0.10	6.84	6.42	13.60	58.2	128	1.36	124.5	7.79
R3771		1.12	0.19	7.76	19.2	490	0.52	0.15	6.80	2.22	12.35	52.6	128	1.19	104.0	7.89
R3772		0.96	0.13	8.34	1.3	50	0.32	0.04	6.31	0.26	8.08	44.2	227	0.18	123.0	6.82
R3773		1.07	0.09	8.05	1.0	390	0.16	0.04	7.67	0.14	6.49	44.4	297	0.66	84.7	5.64
R3774		1.28	0.13	7.59	1.6	390	0.20	0.04	6.62	0.74	7.93	43.9	280	0.76	82.9	5.87
R3775		0.47	<0.01	0.10	0.3	20	0.07	0.02	34.7	<0.02	1.03	0.8	2	0.05	1.5	0.12



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 VANCOUVER BC V6C 1A5

Page: 3 – B  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**CERTIFICATE OF ANALYSIS SD21186447**

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
R3758		14.75	0.08	1.4	0.247	0.14	11.8	128.0	7.73	1570	0.25	0.18	2.8	907	600	650
R3759		13.65	0.06	2.0	0.082	0.06	11.8	22.1	4.70	817	0.20	4.20	1.6	215	220	403
R3760		13.60	0.06	2.2	0.062	0.06	10.9	16.6	3.78	644	0.18	4.98	1.5	167.0	260	436
R3761		11.25	0.22	1.3	0.111	0.31	7.2	9.8	4.32	1070	4.65	1.29	4.6	>10000	480	16.0
R3762		19.25	0.09	2.7	0.040	0.05	9.6	13.9	1.64	602	0.43	7.27	1.4	94.5	280	526
R3763		9.57	0.07	1.6	0.108	0.07	7.3	18.0	7.56	1080	0.74	2.77	1.4	236	110	141.0
R3764		14.85	0.08	1.5	0.087	0.95	8.5	46.0	5.05	1780	0.40	2.81	2.1	115.5	260	115.5
R3765		14.95	0.09	1.4	0.107	1.33	16.5	56.1	5.08	1880	1.43	2.39	2.1	112.0	260	1975
R3766		11.95	0.07	1.2	0.073	0.14	16.4	51.3	9.60	2440	0.19	0.99	1.6	380	250	5.8
R3767		16.20	0.13	2.3	0.052	0.95	28.6	125.0	7.09	3360	0.28	2.03	3.0	243	700	23.3
R3768		14.35	0.09	1.6	0.074	1.18	8.2	65.1	5.15	1860	0.45	2.40	2.3	113.5	350	714
R3769		14.95	0.11	1.4	0.087	1.72	7.0	49.2	5.12	2800	0.57	2.03	2.1	113.5	240	172.5
R3770		14.50	0.10	1.4	0.059	1.70	6.5	42.0	4.87	2180	0.38	1.96	2.0	112.0	240	647
R3771		14.40	0.09	1.2	0.066	1.56	5.7	44.3	5.15	2310	0.33	1.87	1.8	125.5	210	112.0
R3772		13.95	0.08	0.7	0.052	0.15	3.9	70.9	5.70	3290	0.38	2.40	1.0	153.5	150	30.1
R3773		12.35	0.09	0.8	0.032	1.29	3.0	38.6	6.04	1340	0.20	1.17	1.0	181.0	120	26.4
R3774		12.55	0.10	0.8	0.038	1.19	3.7	55.7	6.02	1470	0.20	1.81	1.1	182.5	150	274
R3775		0.28	0.15	0.1	<0.005	0.02	1.2	1.4	1.91	130	0.05	0.03	0.1	2.5	80	1.9



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Page: 3 – C  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLW

Project: Gowganda Kilpatrick–GKP21–019

**CERTIFICATE OF ANALYSIS SD21186447**

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
R3758		9.6	<0.002	0.22	23.2	10.3	1	0.8	45.7	0.16	<0.05	1.05	0.268	0.05	0.2	91
R3759		1.7	<0.002	0.09	1.25	25.0	<1	0.7	72.1	0.11	<0.05	1.54	0.254	0.02	0.5	96
R3760		1.4	<0.002	0.09	0.77	18.0	<1	0.6	62.5	0.10	<0.05	1.71	0.223	0.02	0.5	74
R3761		10.6	0.047	8.15	2.75	8.9	21	2.4	188.0	0.32	4.53	0.96	0.535	0.18	0.3	82
R3762		1.3	<0.002	0.12	0.72	3.9	<1	0.5	48.6	0.11	<0.05	2.23	0.167	0.02	0.5	26
R3763		1.8	<0.002	0.02	1.23	30.6	<1	0.6	65.4	0.10	<0.05	1.00	0.273	<0.02	0.5	101
R3764		38.9	0.002	0.08	1.29	38.8	1	0.6	115.5	0.16	<0.05	1.55	0.376	0.17	0.5	234
R3765		56.7	<0.002	0.15	2.81	39.7	1	0.6	135.5	0.16	<0.05	1.52	0.375	0.28	0.6	230
R3766		3.5	<0.002	0.01	0.39	41.0	<1	1.4	124.5	0.13	<0.05	0.59	0.377	0.02	0.2	181
R3767		20.3	<0.002	0.01	0.22	26.0	<1	0.7	215	0.18	<0.05	1.85	0.413	0.10	0.3	153
R3768		50.6	<0.002	0.07	1.52	38.8	1	0.7	183.0	0.17	<0.05	1.57	0.391	0.24	0.5	227
R3769		76.7	<0.002	0.04	1.85	41.5	<1	0.7	184.0	0.17	<0.05	1.48	0.368	0.32	0.6	229
R3770		78.2	<0.002	0.12	2.73	40.3	1	0.7	185.0	0.15	<0.05	1.48	0.367	0.37	0.5	227
R3771		70.9	<0.002	0.07	1.40	39.1	1	0.6	163.5	0.13	<0.05	1.23	0.335	0.35	0.5	215
R3772		6.6	<0.002	0.05	0.15	34.9	<1	0.4	114.5	0.08	<0.05	0.75	0.210	0.04	0.3	176
R3773		53.0	<0.002	0.04	0.28	37.1	<1	0.3	144.0	0.08	<0.05	0.68	0.196	0.35	0.2	160
R3774		50.3	<0.002	0.05	0.65	37.9	<1	0.3	143.0	0.09	<0.05	0.83	0.222	0.27	0.3	169
R3775		0.8	<0.002	0.01	0.07	0.3	1	<0.2	84.4	<0.05	<0.05	0.08	0.006	<0.02	0.1	2



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Page: 3 – D  
 Total # Pages: 3 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	Cu–OG62	Ni–OG62	Au–ICP21	CRU–QC	PUL–QC
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Cu % 0.001	Ni % 0.001	Au ppm 0.001	Pass2mm % 0.01	Pass75um % 0.01
R3758		0.3	7.4	1840	55.0			0.011		90.9
R3759		0.4	6.8	1050	74.5			0.002		
R3760		0.5	5.7	1060	80.5			<0.001		
R3761		2.7	9.3	151	52.2	1.600	4.62	0.235		
R3762		0.5	4.0	1230	97.8			0.003		
R3763		0.3	8.1	275	56.2			0.002		
R3764		0.3	16.1	231	56.6			0.004		
R3765		0.4	18.1	195	55.2			0.004		
R3766		0.2	12.8	101	47.7			0.002		
R3767		0.2	13.7	122	78.5			0.001		
R3768		0.3	15.5	299	59.9			0.003		
R3769		0.5	15.6	508	53.3			0.003		
R3770		0.3	15.1	1840	52.1			0.003		
R3771		0.3	13.8	755	45.3			0.004		
R3772		0.2	10.7	170	27.9			0.002		
R3773		0.2	7.9	86	27.6			0.006		
R3774		0.2	9.5	253	31.9			0.004		
R3775		0.1	2.3	4	1.9			0.002		



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Page: Appendix 1  
 Total # Appendix Pages: 1  
 Finalized Date: 8-AUG-2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick-GKP21-019

**CERTIFICATE OF ANALYSIS SD21186447**

	<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-21</td> <td style="width: 33%;">LOG-23</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-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-21	LOG-23						
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%;">Au-ICP21</td> <td style="width: 33%;">Cu-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;">ME-OG62</td> </tr> <tr> <td>Ni-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Au-ICP21	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62			
Au-ICP21	Cu-OG62	ME-MS61	ME-OG62						
Ni-OG62									





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Page: 1  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

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Project: Gowganda Kilpatrick–GKP21–019  
 P.O. No.: GKP21–019  
 This report is for 58 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 19–JUL–2021.  
 The following have access to data associated with this certificate:

PETER DOYLE NICO KASTEK RYAN WELLS	MIKE HENDRICKSON FRANK PLOEGER	SEAN HICKS STEVE TRIMMER
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging – ClientBarCode
LOG-23	Pulp Login – Rcvd with Barcode

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	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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, General Manager, North Vancouver



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Page: 2 – A  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

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		
		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 %	Ga ppm	
		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	0.05	
<b>STANDARDS</b>																	
AMIS0160																	
Target Range – Lower Bound																	
Upper Bound																	
DS–1		0.47	4.21	6770	230	0.78	0.09	6.38	1.04	41.4	8.5	52	7.01	24.7	2.87	10.55	
Target Range – Lower Bound		0.41	4.02	6260	180	0.68	0.08	5.35	0.86	38.6	8.5	51	6.25	25.0	2.69	9.76	
Upper Bound		0.53	4.94	7660	260	0.96	0.13	6.57	1.10	47.2	10.6	65	7.75	29.2	3.31	12.05	
EMOG–17		70.1	4.74	588	280	1.88	5.48	1.93	19.50	49.3	765	57	7.26	8090	4.89	11.95	
EMOG–17		73.2	5.08	638	170	2.05	6.32	2.08	21.6	51.0	824	62	7.72	8780	5.32	13.05	
Target Range – Lower Bound		60.9	4.18	522	310	1.60	5.31	1.72	18.15	42.9	686	49	6.56	7750	4.42	10.75	
Upper Bound		74.5	5.13	638	440	2.06	6.51	2.12	22.2	52.5	838	62	8.12	8910	5.42	13.25	
EMOG–17																	
Target Range – Lower Bound																	
Upper Bound																	
KIP–19																	
KIP–19																	
Target Range – Lower Bound																	
Upper Bound																	
MRGeo08		4.27	7.75	31.6	1130	3.41	0.68	2.67	2.31	69.1	21.0	96	12.65	633	4.17	18.50	
MRGeo08		4.38	7.43	33.8	1100	3.40	0.63	2.72	2.23	68.9	19.3	92	12.20	627	3.97	18.60	
Target Range – Lower Bound		3.93	6.64	29.5	920	2.98	0.58	2.35	2.00	66.2	17.7	81	11.20	587	3.55	17.50	
Upper Bound		4.83	8.14	36.5	1270	3.76	0.73	2.90	2.48	81.0	21.9	102	13.80	675	4.37	21.5	
NCSDC70006																	
Target Range – Lower Bound																	
Upper Bound																	
OREAS 252b																	
OREAS 252b																	
Target Range – Lower Bound																	
Upper Bound																	
OREAS 681																	
OREAS 681																	
Target Range – Lower Bound																	
Upper Bound																	



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Page: 2 – B  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

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	ME-MS61	
Sample Description	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	Rb ppm	
	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	0.1	
<b>STANDARDS</b>																
AMIS0160																
Target Range – Lower Bound																
Upper Bound																
DS-1	0.11	3.9	0.047	1.03	22.0	18.2	2.81	441	4.14	0.03	4.9	47.1	330	11.8	48.5	
Target Range – Lower Bound	<0.05	3.6	0.038	0.89	19.4	17.8	2.47	388	3.97	<0.01	4.4	43.6	300	11.9	45.9	
Upper Bound	0.21	4.6	0.063	1.11	24.8	22.2	3.05	486	4.97	0.05	5.6	53.8	380	15.7	56.3	
EMOG-17	0.18	1.7	0.917	1.69	25.5	25.6	0.97	734	1120	1.12	14.7	7650	810	7120	112.5	
EMOG-17	0.18	2.1	0.980	1.84	26.0	28.8	1.07	807	1150	1.23	15.6	8300	830	7810	116.0	
Target Range – Lower Bound	0.06	1.6	0.823	1.49	20.7	23.9	0.86	670	997	0.99	12.7	6820	700	6570	98.9	
Upper Bound	0.30	2.2	1.015	1.85	26.4	29.7	1.08	830	1220	1.23	15.7	8330	880	8030	121.0	
EMOG-17																
Target Range – Lower Bound																
Upper Bound																
KIP-19																
KIP-19																
Target Range – Lower Bound																
Upper Bound																
MRGeo08	0.18	3.3	0.175	3.14	33.3	34.5	1.42	589	14.95	2.10	21.0	707	1070	1105	197.5	
MRGeo08	0.13	3.3	0.166	3.15	33.2	33.8	1.36	558	15.20	2.01	22.1	711	1050	1065	179.0	
Target Range – Lower Bound	<0.05	2.8	0.155	2.79	31.1	29.5	1.17	497	13.65	1.76	19.0	622	930	971	173.5	
Upper Bound	0.28	3.6	0.201	3.43	39.1	36.5	1.45	619	16.75	2.18	23.4	760	1160	1185	212	
NCSDC70006																
Target Range – Lower Bound																
Upper Bound																
OREAS 252b																
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Target Range – Lower Bound																
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Page: 2 – C  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm	ME-MS61 V ppm	ME-MS61 W ppm
<b>STANDARDS</b>																
AMIS0160																
Target Range – Lower Bound																
Upper Bound																
DS-1		0.003	2.53	99.0	8.5	1	2.0	79.1	0.52	0.08	4.13	0.248	17.70	2.3	141	29.9
Target Range – Lower Bound		<0.002	2.38	83.9	8.0	<1	1.5	69.1	0.38	<0.05	3.88	0.229	17.00	2.2	125	27.5
Upper Bound		0.007	2.94	113.5	10.0	4	2.5	84.9	0.63	0.18	4.76	0.291	23.0	2.9	155	37.5
EMOG-17		0.311	3.21	795	8.0	6	2.5	209	0.85	1.30	11.85	0.319	2.16	3.4	75	3.6
EMOG-17		0.337	3.47	858	8.7	8	3.1	226	1.02	1.41	12.25	0.347	2.51	3.4	80	4.5
Target Range – Lower Bound		0.286	2.91	643	7.2	4	2.2	184.5	0.78	1.10	10.35	0.294	1.89	2.8	67	3.3
Upper Bound		0.354	3.57	869	9.0	9	3.2	226	1.08	1.46	12.65	0.370	2.61	3.7	84	4.7
EMOG-17																
Target Range – Lower Bound																
Upper Bound																
KIP-19																
KIP-19																
Target Range – Lower Bound																
Upper Bound																
MRGeo08		0.009	0.31	4.54	12.7	1	4.0	312	1.54	<0.05	19.25	0.504	1.10	4.9	114	4.8
MRGeo08		0.009	0.30	4.53	11.2	1	4.1	308	1.55	<0.05	19.30	0.492	1.02	4.9	111	4.7
Target Range – Lower Bound		0.004	0.27	3.89	11.1	<1	3.5	277	1.39	<0.05	17.90	0.443	0.86	4.9	97	4.1
Upper Bound		0.013	0.35	5.39	13.7	4	4.7	339	1.81	0.12	21.9	0.553	1.21	6.2	121	5.8
NCSDC70006																
Target Range – Lower Bound																
Upper Bound																
OREAS 252b																
OREAS 252b																
Target Range – Lower Bound																
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Target Range – Lower Bound																
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Page: 2 – D  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	Au-ICP21
		Y ppm	Zn ppm	Zr ppm	Cu %	Ni %	Au ppm
		0.1	2	0.5	0.001	0.001	0.001
<b>STANDARDS</b>							
AMIS0160					2.10	0.004	
Target Range – Lower Bound					1.970	<0.001	
Upper Bound					2.11	0.005	
DS-1		23.6	210	168.0			
Target Range – Lower Bound		22.2	195	137.0			
Upper Bound		27.3	243	186.5			
EMOG-17		16.2	7370	61.4			
EMOG-17		17.5	8010	72.6			
Target Range – Lower Bound		14.3	6800	55.6			
Upper Bound		17.7	8320	76.4			
EMOG-17					0.856	0.761	
Target Range – Lower Bound					0.803	0.730	
Upper Bound					0.863	0.785	
KIP-19							2.34
KIP-19							2.44
Target Range – Lower Bound							2.28
Upper Bound							2.58
MRGeo08		25.5	807	115.0			
MRGeo08		25.9	805	110.0			
Target Range – Lower Bound		23.8	722	92.2			
Upper Bound		29.3	886	126.0			
NCSDC70006					0.009	0.002	
Target Range – Lower Bound							
Upper Bound							
OREAS 252b							0.810
OREAS 252b							0.824
Target Range – Lower Bound							0.786
Upper Bound							0.888
OREAS 681							0.052
OREAS 681							0.050
Target Range – Lower Bound							
Upper Bound							



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 VANCOUVER BC V6C 1A5

Page: 3 – A  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

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	
		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 %	Ga ppm
		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	0.05
<b>STANDARDS</b>																
OREAS 905		0.54	8.00	36.6	2950	3.39	6.01	0.63	0.37	99.0	16.2	21	7.15	1610	4.41	26.2
OREAS 905		0.54	7.50	33.8	2820	2.58	5.65	0.63	0.35	92.7	14.3	18	6.79	1565	4.16	24.0
Target Range – Lower Bound		0.46	6.67	31.0	2280	2.69	5.14	0.52	0.30	82.8	13.2	16	6.05	1425	3.66	22.5
Upper Bound		0.58	8.17	38.4	3110	3.39	6.30	0.66	0.42	101.0	16.4	22	7.51	1640	4.50	27.7
OREAS 920		0.08	8.19	5.6	590	2.72	0.67	0.54	0.07	98.2	15.6	89	9.08	115.5	4.27	20.5
OREAS 920		0.10	8.04	5.6	580	3.01	0.66	0.51	0.06	92.0	16.2	88	8.91	115.0	4.21	21.1
Target Range – Lower Bound		0.08	6.91	4.6	450	2.54	0.61	0.44	0.04	84.6	13.9	70	7.72	104.0	3.72	18.65
Upper Bound		0.13	8.47	6.1	640	3.22	0.77	0.56	0.12	103.5	17.3	88	9.54	120.0	4.56	22.9
OREAS 932																
OREAS 932																
Target Range – Lower Bound																
Upper Bound																
OREAS–133a																
OREAS–133a																
Target Range – Lower Bound																
Upper Bound																
OREAS–134b																
OREAS–134b																
Target Range – Lower Bound																
Upper Bound																
OREAS–261																
Target Range – Lower Bound																
Upper Bound																
OREAS–74a																
OREAS–74a																
Target Range – Lower Bound																
Upper Bound																
PK03																
PK03																
Target Range – Lower Bound																
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 VANCOUVER BC V6C 1A5

Page: 3 – B  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

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		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	Rb ppm
<b>STANDARDS</b>																
OREAS 905		0.22	7.3	0.684	3.02	50.2	23.0	0.30	403	3.37	2.62	19.1	10.4	290	33.6	148.5
OREAS 905		0.13	6.8	0.650	2.98	47.0	18.0	0.28	385	3.25	2.48	18.7	9.0	280	31.7	134.5
Target Range – Lower Bound		<0.05	6.1	0.571	2.58	40.9	17.8	0.24	333	2.89	2.15	16.2	8.4	240	26.9	124.0
Upper Bound		0.28	7.6	0.709	3.18	51.1	22.2	0.31	418	3.65	2.65	20.0	10.7	320	33.9	152.0
OREAS 920		0.17	4.5	0.085	3.06	48.5	28.8	1.45	623	0.41	0.68	18.5	42.0	800	24.3	183.0
OREAS 920		0.23	5.0	0.087	3.00	44.7	31.0	1.43	617	0.40	0.68	18.2	44.3	770	25.6	174.5
Target Range – Lower Bound		<0.05	4.0	0.070	2.59	41.0	26.0	1.23	535	0.34	0.56	15.6	37.4	640	20.7	158.5
Upper Bound		0.29	5.2	0.098	3.19	51.2	32.2	1.53	665	0.58	0.71	19.2	46.2	800	26.4	193.5
OREAS 932																
OREAS 932																
Target Range – Lower Bound																
Upper Bound																
OREAS-133a																
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Target Range – Lower Bound																
Upper Bound																
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Page: 3 – C  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

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	
		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	W ppm
		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	0.1
<b>STANDARDS</b>																
OREAS 905		<0.002	0.07	2.11	5.2	3	4.1	169.5	1.40	0.11	15.50	0.129	0.80	4.9	10	2.9
OREAS 905		<0.002	0.07	1.95	4.5	2	4.0	161.5	1.35	0.09	14.05	0.126	0.70	4.7	10	2.7
Target Range – Lower Bound		<0.002	0.04	1.61	4.3	<1	3.4	141.0	1.16	<0.05	13.15	0.105	0.58	4.4	8	2.3
Upper Bound		0.004	0.09	2.29	5.5	4	4.6	173.0	1.52	0.17	16.05	0.139	0.83	5.6	13	3.3
OREAS 920		<0.002	0.04	1.52	14.0	1	4.9	84.8	1.29	<0.05	20.7	0.488	0.96	3.9	105	3.1
OREAS 920		<0.002	0.03	1.62	14.4	1	5.5	83.4	1.40	<0.05	19.50	0.482	1.02	3.8	103	3.5
Target Range – Lower Bound		<0.002	<0.01	1.22	12.8	<1	4.3	73.6	1.08	<0.05	17.35	0.434	0.73	3.3	86	2.5
Upper Bound		0.004	0.05	1.76	15.8	2	5.7	90.4	1.43	0.12	21.2	0.542	1.03	4.2	108	3.7
OREAS 932																
OREAS 932																
Target Range – Lower Bound																
Upper Bound																
OREAS–133a																
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Page: 3 – D  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	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	Au–ICP21 Au ppm 0.001
<b>STANDARDS</b>							
OREAS 905		17.2	143	276			
OREAS 905		16.5	142	264			
Target Range – Lower Bound		14.0	122	214			
Upper Bound		17.4	154	290			
OREAS 920		34.2	124	162.5			
OREAS 920		34.1	125	168.0			
Target Range – Lower Bound		29.8	102	128.0			
Upper Bound		36.6	130	174.0			
OREAS 932					6.33	0.003	
OREAS 932					6.13	0.003	
Target Range – Lower Bound					5.91		
Upper Bound					6.35		
OREAS–133a					0.032	0.002	
OREAS–133a					0.039	0.002	
Target Range – Lower Bound					0.030	<0.001	
Upper Bound					0.034	0.004	
OREAS–134b					0.135	0.002	
OREAS–134b					0.133	0.002	
Target Range – Lower Bound					0.129	<0.001	
Upper Bound					0.141	0.004	
OREAS–261							0.050
Target Range – Lower Bound							0.045
Upper Bound							0.053
OREAS–74a					0.120	3.08	
OREAS–74a					0.120	3.10	
Target Range – Lower Bound						3.03	
Upper Bound						3.25	
PK03							5.26
PK03							5.07
Target Range – Lower Bound							4.73
Upper Bound							5.34



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Page: 4 – A  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %	ME-MS61 Ga ppm
<b>BLANKS</b>																
BLANK		<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	0.08
BLANK		<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	0.05
Target Range – Lower Bound		<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	<0.05
Upper Bound		0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10	0.4	0.02	0.10
BLANK		<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	0.02	<0.1	<1	<0.05	<0.2	<0.01	<0.05
BLANK		<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	<0.05
Target Range – Lower Bound		<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	<0.05
Upper Bound		0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10	0.4	0.02	0.10
<b>DUPLICATES</b>																
R3731																
DUP																
Target Range – Lower Bound																
Upper Bound																
R3748		0.63	7.31	15.2	450	0.79	0.30	4.33	0.05	32.4	50.3	3	7.79	111.5	13.10	19.75
DUP		0.47	6.90	14.1	420	0.80	0.29	4.12	0.05	32.6	49.3	3	7.83	107.5	12.35	19.55
Target Range – Lower Bound		0.51	6.74	13.7	390	0.71	0.27	4.00	0.03	30.9	47.2	2	7.37	105.5	12.10	18.60
Upper Bound		0.59	7.47	15.6	480	0.88	0.32	4.45	0.07	34.1	52.4	4	8.25	113.5	13.35	20.7
R3751																
DUP																
Target Range – Lower Bound																
Upper Bound																
R3776		0.04	7.16	1.2	80	1.76	0.13	0.24	<0.02	88.3	12.3	80	0.43	245	2.52	15.80
DUP		0.03	6.97	0.6	80	1.50	0.12	0.24	<0.02	82.5	11.3	78	0.40	242	2.48	14.75
Target Range – Lower Bound		0.02	6.70	0.7	60	1.50	0.11	0.22	<0.02	81.1	11.1	74	0.34	235	2.37	14.45
Upper Bound		0.05	7.43	1.1	100	1.76	0.14	0.26	0.04	89.7	12.5	84	0.49	252	2.64	16.10



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Page: 4 – B  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1
<b>BLANKS</b>																
BLANK																
BLANK																
Target Range – Lower Bound																
Upper Bound																
BLANK		0.09	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5	<0.1
BLANK		0.08	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5	<0.1
BLANK		0.06	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	0.2	<10	<0.5	<0.1
BLANK		<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	<0.1
Target Range – Lower Bound		<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	<0.1
Upper Bound		0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4	20	1.0	0.2
BLANK																
BLANK																
Target Range – Lower Bound																
Upper Bound																
<b>DUPLICATES</b>																
R3731																
DUP																
Target Range – Lower Bound																
Upper Bound																
R3748		0.11	2.1	0.097	0.53	12.9	9.2	1.73	3300	0.53	4.22	9.1	15.2	660	8.6	34.4
DUP		0.12	2.4	0.109	0.50	12.6	9.1	1.65	3120	0.59	4.00	8.9	12.1	620	8.9	34.5
Target Range – Lower Bound		0.06	2.0	0.093	0.48	11.6	8.5	1.60	3040	0.48	3.89	8.5	12.8	600	7.8	32.6
Upper Bound		0.17	2.5	0.113	0.55	13.9	9.8	1.78	3380	0.64	4.33	9.6	14.5	680	9.7	36.3
R3751																
DUP																
Target Range – Lower Bound																
Upper Bound																
R3776		0.17	3.7	0.016	0.45	43.4	24.8	1.39	180	1.12	4.76	5.7	34.3	610	4.3	16.3
DUP		0.15	3.6	0.014	0.44	40.8	22.1	1.35	178	1.01	4.63	5.6	40.0	590	6.3	15.8
Target Range – Lower Bound		0.10	3.4	0.009	0.41	39.5	22.1	1.29	165	0.96	4.45	5.3	35.1	560	4.5	15.1
Upper Bound		0.22	3.9	0.021	0.48	44.7	24.8	1.45	193	1.17	4.94	6.0	39.2	640	6.1	17.0



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Page: 4 – C  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
<b>BLANKS</b>																
BLANK																
BLANK																
Target Range – Lower Bound																
Upper Bound																
BLANK		<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	<0.1
BLANK		<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	<0.1
BLANK		<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	<0.1
BLANK		<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	<0.1
Target Range – Lower Bound		<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	<0.1
Upper Bound		0.004	0.02	0.10	0.2	2	0.4	0.4	0.10	0.10	0.02	0.010	0.04	0.2	2	0.2
BLANK																
BLANK																
Target Range – Lower Bound																
Upper Bound																
<b>DUPLICATES</b>																
R3731																
DUP																
Target Range – Lower Bound																
Upper Bound																
R3748		<0.002	0.41	0.40	8.7	<1	0.8	220	0.62	<0.05	0.88	0.821	0.06	0.3	107	0.7
DUP		<0.002	0.39	0.41	8.5	1	0.8	210	0.63	<0.05	0.85	0.779	0.06	0.3	102	0.7
Target Range – Lower Bound		<0.002	0.37	0.32	8.1	<1	0.6	204	0.54	<0.05	0.81	0.755	0.04	0.2	98	0.5
Upper Bound		0.004	0.43	0.49	9.1	2	1.0	226	0.71	0.10	0.92	0.845	0.08	0.4	111	0.9
R3751																
DUP																
Target Range – Lower Bound																
Upper Bound																
R3776		<0.002	0.05	0.10	9.9	1	1.3	99.8	0.50	<0.05	8.94	0.225	0.11	3.1	63	0.6
DUP		<0.002	0.05	0.10	9.1	<1	1.4	94.6	0.48	<0.05	8.74	0.221	0.10	3.0	61	0.5
Target Range – Lower Bound		<0.002	0.04	<0.05	8.9	<1	1.1	92.1	0.42	<0.05	8.39	0.207	0.08	2.8	58	0.4
Upper Bound		0.004	0.06	0.16	10.1	2	1.6	102.5	0.56	0.10	9.29	0.239	0.13	3.3	66	0.7



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Page: 4 – D  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	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	Au-ICP21 Au ppm 0.001
<b>BLANKS</b>							
BLANK							<0.001
BLANK							<0.001
Target Range – Lower Bound							<0.001
Upper Bound							0.002
BLANK		<0.1	<2	<0.5			
BLANK		<0.1	<2	<0.5			
BLANK		<0.1	<2	<0.5			
BLANK		<0.1	<2	<0.5			
Target Range – Lower Bound		<0.1	<2	<0.5			
Upper Bound		0.2	4	1.0			
BLANK					<0.001	<0.001	
BLANK					<0.001	<0.001	
Target Range – Lower Bound					<0.001	<0.001	
Upper Bound					0.002	0.002	
<b>DUPLICATES</b>							
R3731							0.009
DUP							0.010
Target Range – Lower Bound							0.008
Upper Bound							0.011
R3748		27.5	105	98.1			
DUP		27.2	99	102.0			
Target Range – Lower Bound		25.9	95	92.0			
Upper Bound		28.8	109	108.0			
R3751							0.001
DUP							0.003
Target Range – Lower Bound							<0.001
Upper Bound							0.003
R3776		14.4	21	131.5			
DUP		13.3	21	125.0			
Target Range – Lower Bound		13.1	18	118.0			
Upper Bound		14.6	24	138.5			



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 VANCOUVER BC V6C 1A5

Page: 5 – A  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

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	
		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 %	Ga ppm
		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	0.05
ORIGINAL DUP Target Range – Lower Bound Upper Bound		<b>DUPLICATES</b>														
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound		0.69	4.90	81.7	1120	1.25	0.20	0.13	0.04	34.8	2.8	6	11.90	2.3	1.88	9.92
DUP		0.69	4.90	77.7	1100	1.05	0.19	0.14	0.03	35.7	2.7	6	11.95	2.1	1.83	9.68
Target Range – Lower Bound		0.65	4.65	75.5	1020	1.04	0.18	0.12	<0.02	33.5	2.5	5	11.30	1.9	1.75	9.26
Upper Bound		0.73	5.16	83.9	1200	1.26	0.21	0.15	0.04	37.0	3.0	7	12.55	2.5	1.96	10.35
ORIGINAL DUP Target Range – Lower Bound Upper Bound		0.09	8.98	47.8	900	2.64	0.59	2.94	0.06	106.5	13.2	72	5.11	46.1	4.64	23.6
DUP		0.09	8.44	53.0	880	3.14	0.60	2.85	0.04	98.6	15.5	69	5.13	49.9	4.54	24.6
Target Range – Lower Bound		0.08	8.26	47.7	810	2.70	0.56	2.74	0.03	97.4	13.5	66	4.81	46.1	4.35	22.8
Upper Bound		0.10	9.16	53.1	970	3.08	0.63	3.05	0.07	107.5	15.2	75	5.43	49.9	4.83	25.4



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 VANCOUVER BC V6C 1A5

Page: 5 – B  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

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	
		Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5	Rb ppm 0.1
ORIGINAL DUP Target Range – Lower Bound Upper Bound		<b>DUPLICATES</b>														
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound		0.20	2.1	0.035	4.43	16.5	176.5	0.06	182	69.3	0.08	3.8	1.5	320	10.6	160.0
		0.16	2.0	0.035	4.56	16.8	159.0	0.06	182	67.5	0.08	3.7	1.4	310	11.3	179.0
		0.12	1.8	0.028	4.26	15.3	159.0	0.05	168	64.9	0.07	3.5	1.2	290	9.9	161.0
		0.24	2.3	0.042	4.73	18.0	176.5	0.07	196	71.9	0.09	4.0	1.7	340	12.0	178.0
ORIGINAL DUP Target Range – Lower Bound Upper Bound		0.15	2.5	0.064	4.68	50.9	10.4	1.16	856	0.32	0.15	11.7	37.5	950	13.5	176.0
		0.15	2.4	0.066	4.59	46.4	12.0	1.08	818	0.37	0.15	12.2	38.7	930	12.9	162.0
		0.09	2.2	0.057	4.39	45.7	10.4	1.05	790	0.28	0.13	11.3	36.0	880	12.0	160.5
		0.21	2.7	0.073	4.88	51.6	12.0	1.19	884	0.41	0.17	12.6	40.2	1000	14.4	177.5



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Page: 5 – C  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
ORIGINAL DUP Target Range – Lower Bound Upper Bound	<b>DUPLICATES</b>															
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound																
ORIGINAL DUP Target Range – Lower Bound Upper Bound	0.005 0.003 <0.002 0.006	1.51 1.50 1.42 1.59	11.80 11.70 10.80 12.70	4.8 4.7 4.4 5.1	1 1 <1 2	2.0 1.9 1.7 2.2	50.3 49.8 47.3 52.8	0.29 0.28 0.22 0.35	<0.05 <0.05 <0.05 0.10	5.52 5.41 5.18 5.75	0.115 0.117 0.105 0.127	2.09 2.02 1.88 2.23	1.3 1.3 1.1 1.5	15 15 13 17	2.7 2.6 2.4 2.9	
ORIGINAL DUP Target Range – Lower Bound Upper Bound	<0.002 <0.002 <0.002 0.004	1.20 1.15 1.11 1.24	0.84 0.85 0.73 0.96	11.9 12.3 11.4 12.8	<1 1 <1 2	3.6 3.8 3.3 4.1	188.5 185.5 177.5 196.5	0.88 0.90 0.80 0.98	<0.05 <0.05 <0.05 0.10	19.60 18.00 17.85 19.75	0.195 0.184 0.175 0.204	1.18 1.20 1.08 1.30	3.3 3.5 3.1 3.7	80 79 75 84	3.1 3.1 2.8 3.4	
ORIGINAL DUP Target Range – Lower Bound Upper Bound																





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To: NORTH AMERICAN COBALT – BATTERY  
 MINERALS RESOURCES  
 THE PACIFIC BUILDING  
 SUITE 400, 744 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1A5

Page: 5 – D  
 Total # Pages: 5 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 8–AUG–2021  
 Account: BMRPLLBW

Project: Gowganda Kilpatrick–GKP21–019

**QC CERTIFICATE OF ANALYSIS SD21186447**

Sample Description	Method Analyte Units LOD	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	Au-ICP21 Au ppm 0.001
<b>DUPLICATES</b>							
ORIGINAL							0.061
DUP							0.062
Target Range – Lower Bound							0.057
Upper Bound							0.066
ORIGINAL							<0.001
DUP							<0.001
Target Range – Lower Bound							<0.001
Upper Bound							0.002
ORIGINAL							0.008
DUP							0.004
Target Range – Lower Bound							0.005
Upper Bound							0.007
ORIGINAL							0.044
DUP							0.074
Target Range – Lower Bound							0.055
Upper Bound							0.063
ORIGINAL		19.1	29	63.1			
DUP		18.2	28	61.9			
Target Range – Lower Bound		17.6	25	57.3			
Upper Bound		19.7	32	67.7			
ORIGINAL		9.4	60	86.2			
DUP		9.1	55	85.8			
Target Range – Lower Bound		8.7	53	79.1			
Upper Bound		9.8	62	93.0			



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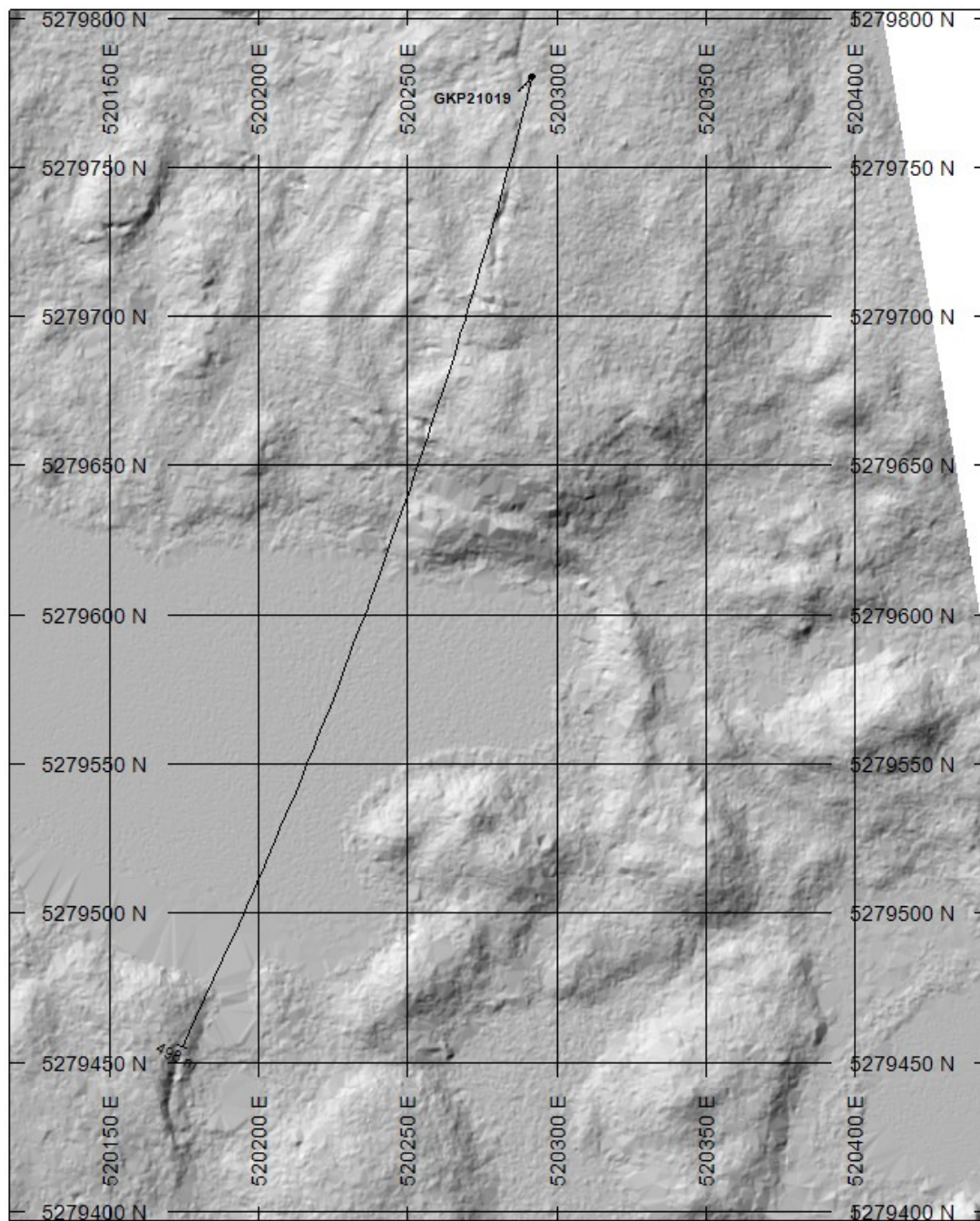
To: NORTH AMERICAN COBALT – BATTERY  
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Page: Appendix 1  
 Total # Appendix Pages: 1  
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**QC CERTIFICATE OF ANALYSIS SD21186447**

	<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-21</td> <td style="width: 33%;">LOG-23</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-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-21	LOG-23						
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%;">Au-ICP21</td> <td style="width: 33%;">Cu-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;">ME-OG62</td> </tr> <tr> <td>Ni-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Au-ICP21	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62			
Au-ICP21	Cu-OG62	ME-MS61	ME-OG62						
Ni-OG62									



## HOLES PLOTTED

TOTAL 1

GKP21019

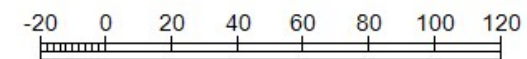
ASSAYS	L/R	TEXT	RANGE
Co ppm	R	-----	Min 500

### PLAN SPECS:

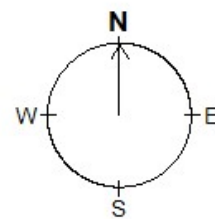
REF. PT. E, N	520300 m	5280000 m
EXTENTS	328.5 m	406.3 m

SCALE 1 : 2500

(m)



NAD83(2011) / UTM zone 17N

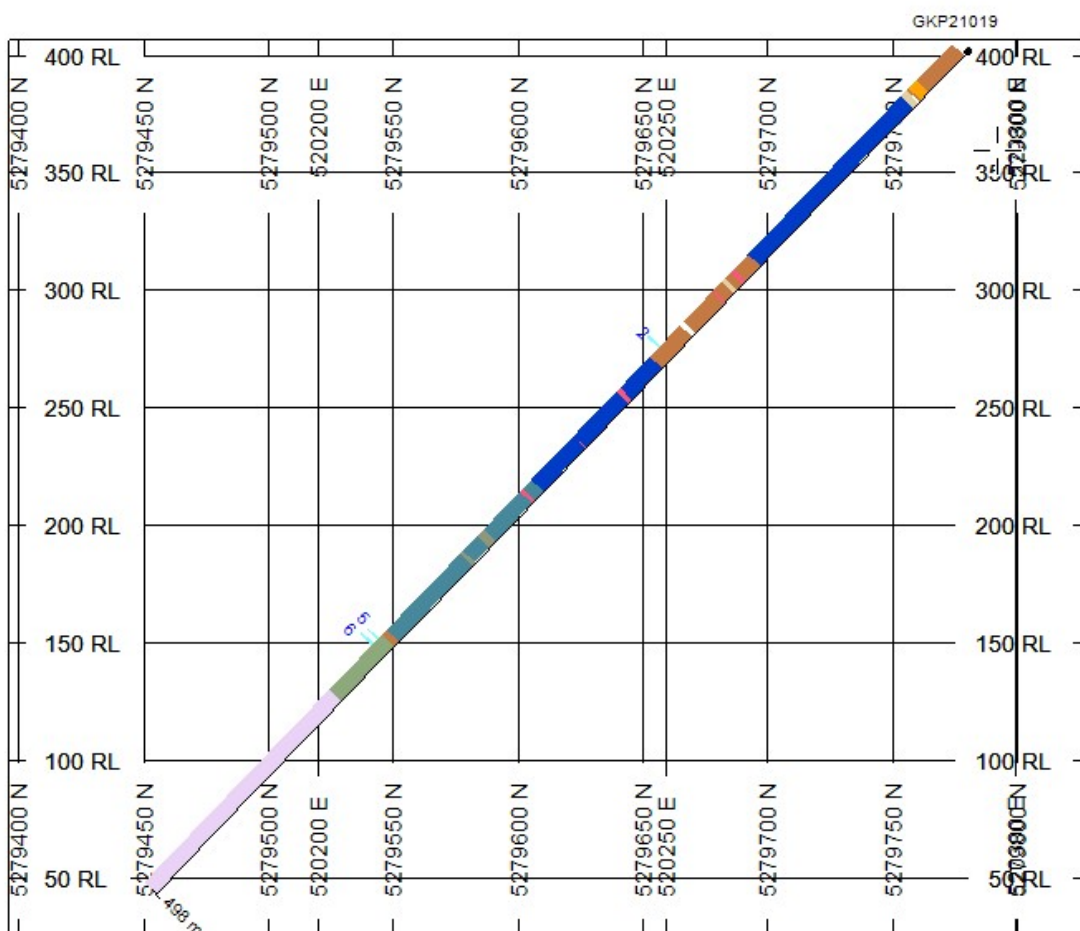
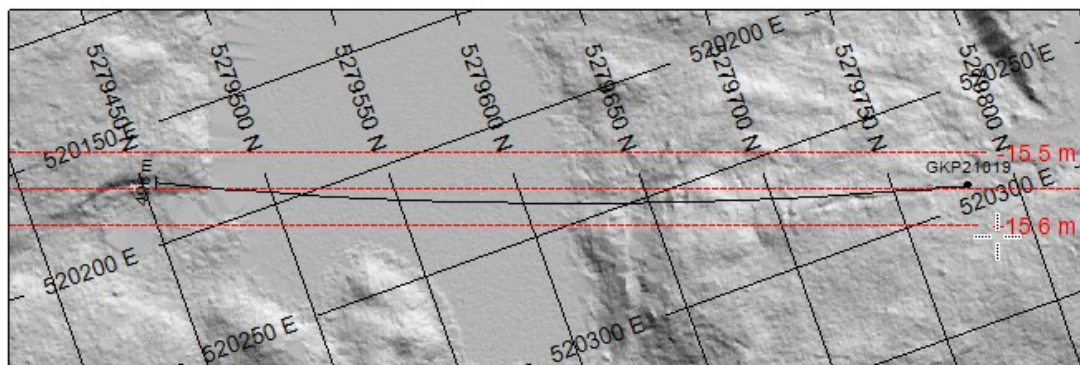


**Battery Mineral Resources Corp.**

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**Diamond Drill Holes - Plan Map**

**2021**



## HOLES PLOTTED

TOTAL 1

GKP21019

NUMBER BANDS	L/R	PATTERN	RANGE
Ag ppm	L		2 to 7

ROCK CODES	PAT	LABEL
Lithology		Overburden
		Siltstone
		Argillite
		Sandstone
		Conglomerate
		Greywacke
		Quartz Vein
		Silver Vein
		Syenite
		Fault
		Ultramafic Intrusive
		Felsic Dyke
		Ultramafic Volcanics
		Mafic Volcanics
		Nipissing Diabase

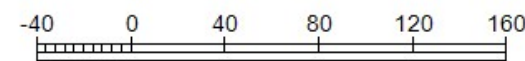
ASSAYS	L/R	TEXT	RANGE
Co ppm	R		Min 500
Ag ppm	L		Min 2

## SECTION SPECS:

REF. PT. E, N      520233 m 5279612 m  
 EXTENTS            459.9 m    381.3 m  
 SECTION TOP, BOT    407 m    25.77 m  
 TOLERANCE +/-      15.55 m

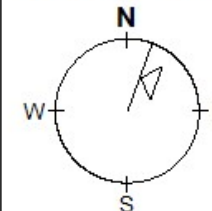
SCALE 1 : 3500

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 19.7°



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**GKP21-019**

**Azimuth: 194.38 Dip: -45.33**