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Report on Diamond Drilling at the Kite Lake and SK2 Prospects, North Williams Township, Ontario, Canada

12/18/2020

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1. OVERVIEW

1.1 PROJECT NAME

This project is known as **Kite Lake and SK2.**

1.2 SUMMARY

Battery Mineral Resources Ltd. (BMR) undertook a diamond drilling campaign at the Kite Lake and SK2 prospects from February 6th, 2020 to March 2nd, 2020, comprising 26 days of work. Nine holes totaling 1503.1 meters were drilled to test coincident EM and IP anomalies like those at the nearby McAra cobalt deposit. The drilling was completed by G4 Forage (G4) of Val-d'Or, Quebec, and support services were provided by Canadian Exploration Services (CXS) of Larder Lake, Ontario. Project supervision was provided by Peter Doyle (FAusIMM), Frank Ploeger (P.Geo), and Michael Hendrickson (P.Geo).

Each drill pad was cleared and leveled by CXS. A sump was made at each hole to capture tailings and was backfilled by G4 after drilling was completed. Core was packaged and transported to the Gowganda Lake Lodge in Gowganda, Ontario by G4. There, it was quick logged by CXS field staff and then transported by CXS to its processing facility in Larder Lake. Core samples taken at the CXS facility were then transported by CXS to ALS Geochemistry Ltd in Sudbury, Ontario.

Anomalous amounts of cobalt were intercepted at the Kite Lake and SK2 prospects (Table 4), mainly in or near sulfide mineralized sediments. The drilling effectively tested the near surface geology of the prospective rocks and explained the coincident IP and EM anomalies but failed to identify potentially economic cobalt mineralized zones. Thus, further drilling in the immediate area is not recommended.

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

1.3 PHYSICAL ACTIVITIES UNDERTAKEN

Table 1: Physical Activity Details

Work Performed	Dates	Total Holes Drilled / Samples Taken
Diamond Drilling	February 6 to March 2, 2020	9 holes
Logging and Sampling	February 21 to March 12, 2020	410 samples (including QA/QC)

2. LOCATION DETAILS

2.1 LOCATION

The Kite Lake and SK2 prospects (location in Figure 1) are part of the larger BMR McAra property that comprises 1298 cells and one lease (Figure 2) in Browning, Dufferin, Leckie, Leith, Leonard, North Williams, Ogilvie and Ray townships. The area of exploration drilling reported here was confined to a small part of the property in North Williams township, on claims 102284, 221117, 258307 and 344675.

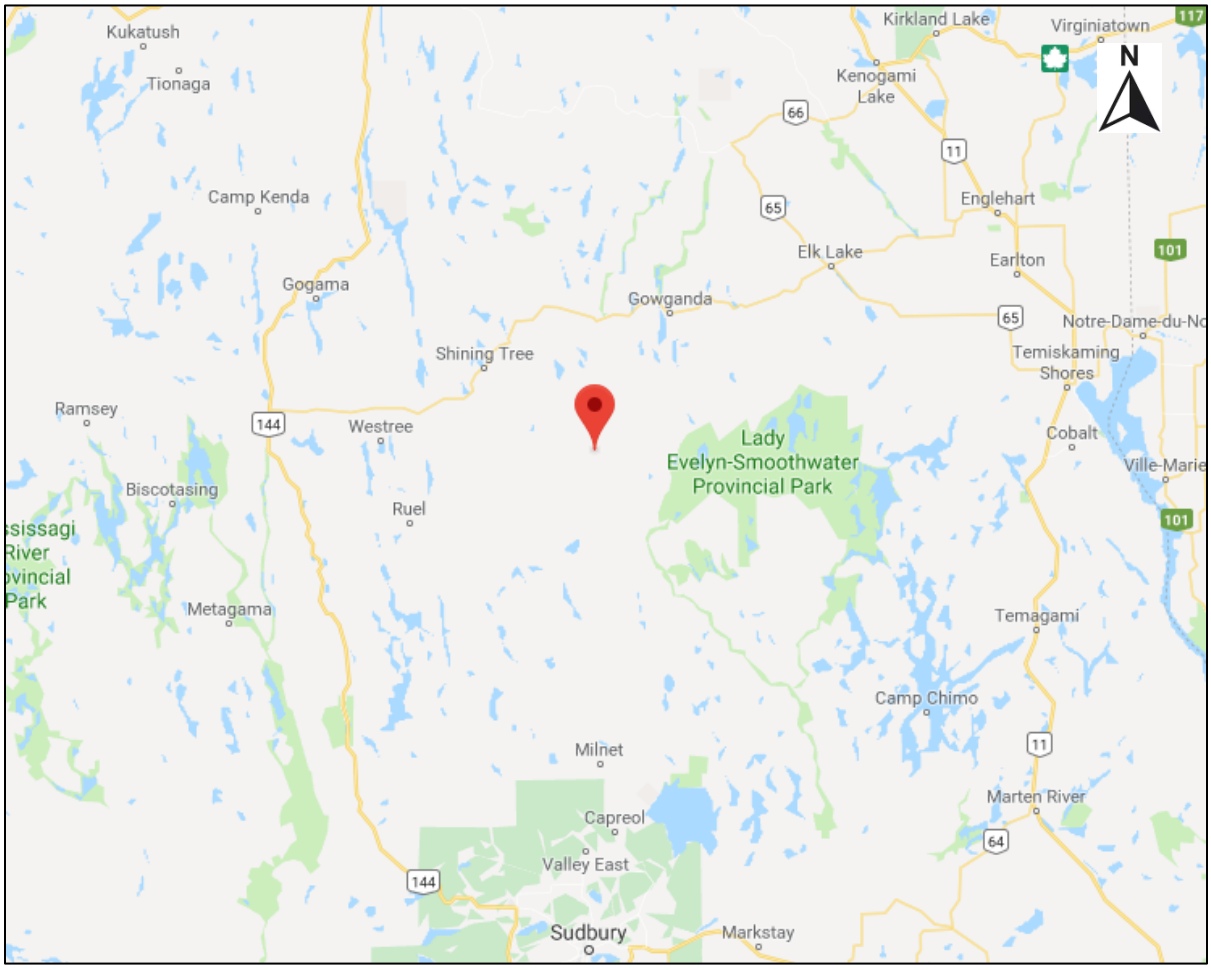

Figure 1: Approximate location of the Kite Lake and SK2 prospects (Map data ©2019 Google)

2.2 ACCESS

Access to the property can be made by taking HWY 560 west from Elk Lake, Ontario for 23km to Beauty Lake road. The Beauty Lake road can be taken south for ~50 km to a ~10 km long trail that provides light truck access to the project.

2.3 MINING CLAIMS

The area of exploration drilling reported here was confined to a small part of the property in North Williams township, on claims 258307, 102284, 221117, and 344675 (Figure 3). The McAra project area is 100% owned by BMR.

Table 2: Mining Lands and Cells Information

Claim Cell Number	Provincial Grid Cell ID	Ownership of Land	Township
258307	41P06I	Battery Mineral Resources Limited	North Williams
102284	41P07L	Battery Mineral Resources Limited	North Williams
221117	41P06I	Battery Mineral Resources Limited	North Williams
344675	41P06I	Battery Mineral Resources Limited	North Williams

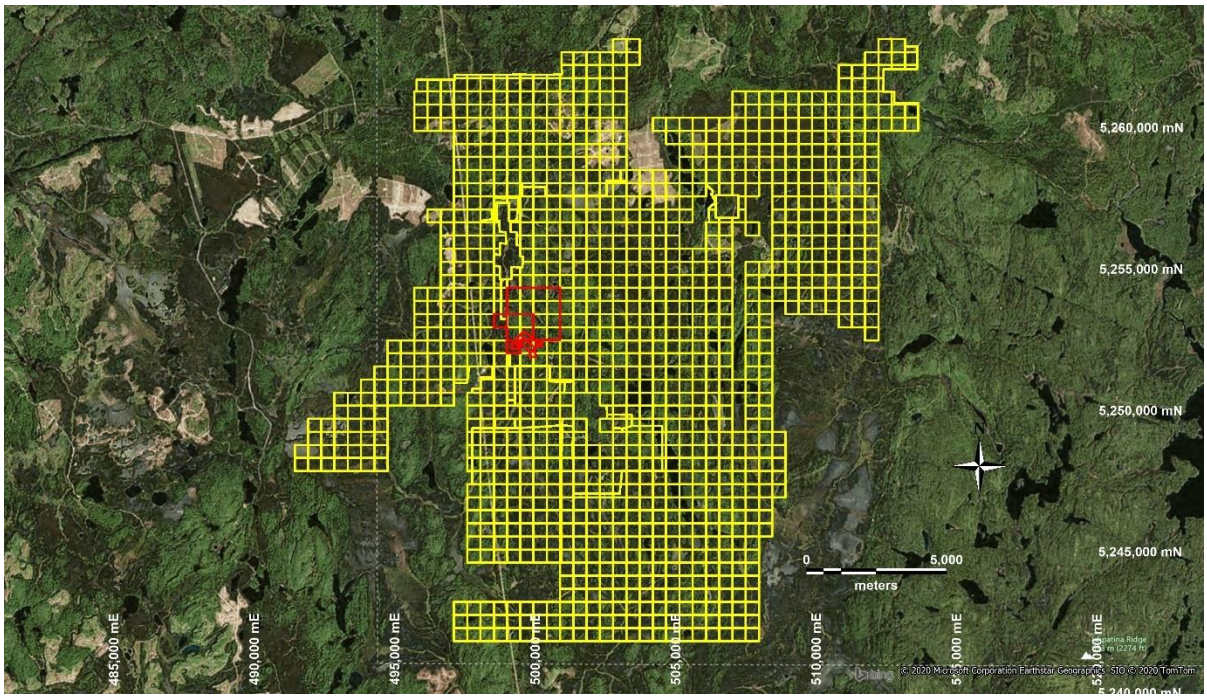

Figure 2: BMR's broader McAra project (yellow squares) with Kite Lake and SK2 prospect drill permits (red squares) overlain on a satellite image.

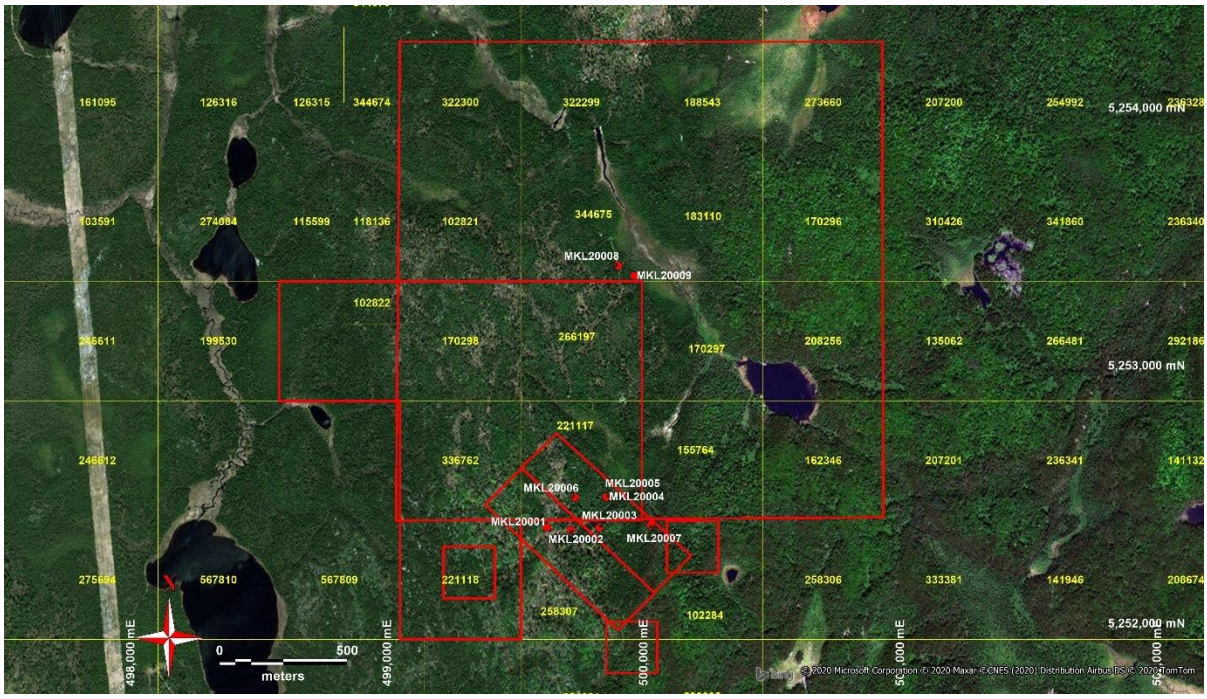

Figure 3: Claim cells (yellow squares) with permit boundaries (red squares).

2.4 PROPERTY & EXPLORATION HISTORY

The following project history and exploration history was taken in part from Page and Ilieva (2018), who compiled information from Randall (2007), Robinson (2006), Anderson (2005), and Pringle (2016).

PROPERTY HISTORY

1910-1982: Early Exploration

Exploration in the region started in the 1910s and was focused on Ag-Co veins, with no significant silver deposits discovered in the McAra area. Copper-zinc mineralized zones were discovered in Archean volcanic rocks in the southern part of North Williams Township by Metron Explorations Limited in 1970 (Randall, 2007). The mineralized zone and surrounding area were evaluated with a HLEM survey and drilled with two diamond drill holes totaling 61.3 m that did not intercept significantly mineralized rocks (Willars, 1971 in Randall, 2007). In 1982, perceived Witwatersrand-type gold deposit potential caused a major staking rush in the area, with exploration focused on conglomeratic units in the Paleoproterozoic Lorrain Formation of the Cobalt Group that forms the upper part of the Huronian Supergroup. Exploration was unsuccessful, and the claims were quickly abandoned (Randall, 2007).

Mid-1980s: Falconbridge Nickel

Falconbridge Nickel explored for base-metal VMS deposits in the mid-1980s in the nearby Sheard, Browning, and Amyot townships. The highest amplitude conductors interpreted from airborne data were evaluated with ground geophysical surveys and drill tested with poor results for VMS deposits.

1996-1997: Roy Annett

Roy Annett discovered two gossanous zones near McAra Lake in 1996. The Annett #1 zone comprised a ~30 m wide and 1,000 m long sulfide mineralized interval and the Annett #2 zone was estimated to be 25 m wide and in excess of 400 m long. Samples taken by Minescape Exploration Inc. at these zones in 1997 contained up to 1.48 % Zn and 3.5 g/t Au, along with anomalous Ag and Cu values (Hunter, 1998 in Randall, 2007).

1997: Wallbridge

Wallbridge Mining Company acquired an option on a contiguous block of 148 claim units in both Dufferin and North Williams townships in late 1997. They completed geophysical surveys and subsequently drilled the Annett #2 zone. Analyses indicated sub-economic concentrations of Cu, Pb, Zn, Ag and Au occurred in mineralized sedimentary rocks. Most base metal values were less than 1%, gold values were less than 0.5 g/t Au, and silver values were less than 30 g/t. Cobalt mineralized zones were intersected in core drill holes WM-2, 3, 10 (Randall, 2007).

2002-2003: Wallbridge and Mustang Minerals

In October 2002, Wallbridge and Mustang Minerals Corp. sampled 1 meter long, continuous intervals from an east-west striking trench. These samples contained an average of 2.1% Cu, 1.1% Zn, 0.7% Pb, 34 g/t Ag and 0.03 g/t Au over 9 m. In November 2002, Mustang optioned the McAra Lake property (80 claim units) from Wallbridge and in December 2002, JML Resources Ltd. (an affiliate of Mustang) optioned 76 claim units located north and adjacent to the McAra Lake property. Mustang acquired the right to hold a 50% interest in the 76 units by assuming the obligations of the underlying option agreement with the optioning party. They completed geophysical surveys over the area and drill tested targets with mediocre to poor results. Mustang terminated its option on the property in June 2003, citing low base and precious metal values from drill core samples (Mustang, 2003).

2003-2006: Liberty Mineral Exploration and Liberty Mines

The Liberty companies conducted drilling campaigns from 2003-2004 comprising 18 holes totaling 1528.5 meters (Robinson, 2006).

2005-2010: Liberty Cobalt Inc.

Liberty Cobalt Inc. contracted a ground magnetic survey on the project in 2005 and drilled five diamond drill holes on the property totaling 1,047 meters in 2007. Drilling did not intercept significant cobalt mineralized zones. In 2010, Liberty drilled VMS targets with poor results.

2014: Northern Sun Mining Inc.

Northern Sun completed limiting prospecting and survey work on the property in 2014 (Mathieu, 2015).

2016-2019: Battery Mineral Resources Ltd.

BMR purchased mining claims and a mining lease from Northern Sun Mining Corp., a claim from Mr. Larry Salo and staked its own claims that now comprise 1298 mining cells.

EXPLORATION HISTORY

The McAra project area has been trenched and sampled, and evaluated with magnetic, electromagnetic, and induced polarization surveys.

Falconbridge Nickel

Falconbridge Nickel explored for base metal VMS deposits in the mid-1980s in the nearby Sheard, Browning, and Amyot Townships. The highest amplitude conductors interpreted from airborne data were evaluated with ground geophysical surveys and drill tested with poor results (Randall, 2007).

Roy Annett

The Annett #2 and Annett #1 zones were power washed, trenched, and sampled. Interpretations from geological mapping suggested that the Annett #1 showing comprised a ~30 m wide and over 1,000 m long mineralized zone. The Annett # 2 zone was estimated to be 25 m wide and longer than 400 m. Samples taken by Minescape Exploration Inc. in the trenched areas in 1997 contained up to 1.48 % Zn and 3.5.g/t Au, along with anomalous Ag and Cu values (Hunter, 1998 in Randall, 2007).

Wallbridge Mining Company

Wallbridge conducted a helicopter AEM and AMAG survey over their property in January 1998, at a flight line direction of 70° and a line spacing of 100 m. This survey outlined three widely spaced conductors; the McAra Lake, Kite Lake, and Theodore Lake anomalies. Magnetic data indicated that the Archean rocks strike N20E. Diabase dikes that strike SSE are prominent in the contoured magnetic data, whereas north-trending diabase dikes have a comparatively weak magnetic signature (Randall, 2007).

In February 1998, IPIRES II and HLEM surveys were flown on north-south oriented lines at 100 m spacing over the area. The IPIRES survey defined a 600-m long chargeability anomaly over the Annett # 1 and # 2 mineralized zones. HLEM data, however, did not outline the conductive horizons, owing to the survey direction that was subparallel with host rock orientation (Randall, 2007).

Wallbridge and Mustang Minerals

Wallbridge and Mustang Minerals Corp. sampled 1 meter long, continuous intervals from an east-west striking trench, which contained an average of 2.1% Cu, 1.1% Zn, 0.7% Pb, 34 g/t Ag and 0.03 g/t Au over 9 m. In January 2003, Mustang contracted Quantec Geoscience Inc. to conduct MAG, HLEM and IP/RES surveys over the area, with a 1,050 m long, N30W lines spaced 50-100 m apart (totaling approximately 20 line-km; Warne et al, 2003). Magnetic data were collected at 25 m intervals, and the HLEM survey included 440 Hz, 1760 Hz and 3520 Hz frequencies with a 150-m cable. Parameters for the pole-dipole IPIRES survey were: n=1 to 8 and a=50 m along secant chained survey lines.

The HLEM data outlined moderate amplitude, 4-20 m wide conductor that is flanked by highly resistive rocks over a strike length of 1 km. The resistive anomaly may be due to silicification of the host rocks or resistive lithologies. The north-south oriented conductor is interpreted to dip 20-70° to the west. The conductor axis occurs ~50 west of the mineralized trench and curves to the west at its northernmost end. The IP data outlined a 600-m diameter ovoid shaped resistivity anomaly (100,000+ ohm-metres), indicating the corresponding rocks are strongly

silicified. Chargeability anomalies ranging from 20 to 30 V are coincident with the HLEM survey data.

Liberty Mineral Exploration Inc.
Liberty Mineral Exploration Inc. conducted MMI geochemical sampling, but results are not available (Liberty Mineral Exploration Inc., 2005).

Liberty Cobalt Inc.
Liberty Cobalt Inc. contracted a ground magnetic survey from Vision Exploration in 2005, covering mining claims 1223344 and 1212541 (pre-2018 claim numbers). Vision cut 19.8 km of survey lines and completed 9.3 line-km of magnetometer readings. Five lines spaced 100 m apart were picketed every 25 meters and the total magnetic field was measured every 12.5 meters on each line. The survey utilized a GEM GSMT-19 magnetometer that was synchronized with an identical base station to diurnally correct the data acquired on the lines, resulting in 1.0 nT data resolution. These data were interpreted to outline the cobalt veins and indicate similar untested magnetic anomalies occur in the area (Anderson, 2005).

Northern Sun Mining Inc.
Northern Sun completed limiting prospecting and survey work on the property in 2014 (Mathieu, 2015), but failed to expose the high-grade cobaltite in the main trench.

2016-2019: Battery Mineral Resources Ltd.
Battery Mineral Resources completed two phases of drilling comprising thirty-five holes and totaling 6088.3 meters. This drilling campaign was designed to define a 43-101 compliant cobalt resource, and to explore the immediate area for additional cobalt mineralized zones (Ploeger, 2019). An additional program consisting of five holes totaling 1227 meters was drilled at the SK4 prospect in 2019 targeting IP and EM anomalies but failed to identify cobalt mineralized zones. A grass roots prospecting campaign at the broader McAra project area was undertaken from July 1, 2018 to July 31, 2018. The prospecting work was non-continuous over the reported time interval due to forest fires and was focused on finding mineralized zones in areas prospective for hosting cobalt deposits, namely Archean rocks and the contacts between the Nipissing gabbro and Huronian sediments. AMIS and MDI locations were also checked for significant cobalt occurrences.

BMR contracted Precision GeoSurveys Inc. to conduct regional scale Airborne mag and radiometric surveys in 2016 and 2018. LiDAR was also flown over all properties in 2018 and contracted through Airborne Imaging Inc. Ground magnetometer, spectrometer, 2D IP, and 3D IP were conducted for BMR by Canadian Exploration Services Limited at the McAra property.

2.5 REGIONAL & LOCAL GEOLOGY

The Kite Lake and SK2 prospects are hosted by an Archean inlier within the Huronian basin. Archean basement in the area was deposited from ca. 2750 to 2697 Ma in an extensional volcanic arc-back arc setting, and later deformed at ca. 2697 Ma during arc inversion that resulted in tight folding and steep rock dips (Ayer et al., 2002). Sediments of the Huronian basin unconformably overly Archean rocks in the area and have a thickness of 6 km near Cobalt, Ontario (Young et al., 2001). Post-dating Huronian rock deposition, Nipissing dike-sill complexes

intruded Archean basement rocks and overlying sediments at ~2219 Ma. Basin inversion during the Penokean Orogeny at ~1800 Ma resulted in mild deformation of Huronian rocks in the project area and drove regional scale Na and K metasomatism (Fedo et al., 1997; Potter and Taylor, 2009).

Archean rocks at the Kite Lake and SK2 prospects mainly comprise aphanitic mafic flows, coarse-grained mafic flows, variably sulfide-rich and altered sediments, and intermediate to felsic intrusive rocks. The rock package is NW-striking and dips 45-65 degrees to the NE.

2.6 Mineral Deposit Types

Kerrich et al. (1986), Andrews et al. (1986a), and Andrews et al. (1986b) undertook geological and geochemical studies of the five-element veins (Kissin, 1992) at the historic Cobalt and Gowganda camps in the region and interpreted that Huronian basin-sourced saline to hypersaline basin brines transported metals to deposition sites and that the veins could have formed through fluid mixing, rapid decompression, or boiling.

The five-element veins at the Cobalt and Gowganda camps and the cobalt deposit at McAra share a similar basin margin setting, metal assemblage, and were also formed from similar fluids (Lindsay et al., 2020; Hendrickson, 2020). As the Kite Lake and SK2 targets have a geologic setting like the McAra cobalt deposit, it follows that they were conceptually prospective for hosting cobalt-rich five element veins.

2.7 Target of Interest

Drilling at the Kite Lake and SK2 prospects was focused on finding cobalt veins that cross-cut massive sulfide deposits, like those at the nearby McAra cobalt deposit (Hendrickson, 2020).

3. DRILLING

3.1 PERMITS

Permits for exploration drilling at the Kite Lake target include PR-18-000256 and PR-19-000290, and the permit for exploration drilling at the SK2 prospect is PR-19-000275.

3.2 DRILLING

One phase of drilling commenced on February 6th and ended on March 2nd, 2020. Nine holes were completed for a total of 1503.1 meters (Table 3). Drill holes targeted coincident EM and IP anomalies with a focus on finding massive sulfide deposits crosscut by cobalt veins like those found at the McAra deposit.

Table 3: Data on holes drilled by BMR in 2020.

DDH	Target	Easting (UTM NAD83 Z17N)	Northing (UTM NAD83 Z17N)	Elevation (m)	Azimuth	Dip	Depth (m)	Samples Collected	Samples Assayed
MKL2001	Kite Lake	499630.68	5252366.08	410.97	195	-45	153	105	105
MKL2002	Kite Lake	499723.32	5252357.83	393.34	188	-46	153	111	111
MKL2003	Kite Lake	499834.55	5252365.81	397.23	188	-44	147	28	28
MKL2004	Kite Lake	499864.63	5252485.08	389.34	195	-45	228	21	21
MKL2005	Kite Lake	499862.35	5252484.70	390.24	263	-46	97.7	0	0
MKL2006	Kite Lake	499739.34	5252483.44	411.33	191	-44	291	62	62
MKL2007	Kite Lake	500034.06	5252375.83	395.29	196	-44	152.81	40	40
MKL2008	SK2	499907.99	5253382.96	385.53	182	-44	150	14	14
MKL2009	SK2	499971.49	5253343.24	385.26	180	-44	130.5	25	25

3.3 INTERPRETATION

Anomalous cobalt concentrations (greater than ~200 ppm) were identified in core drilled at the Kite Lake and SK2 prospects (Table 4). However, these are not of economic interest and most mineralized zones were semi-massive pyrrhotite and pyrite that generally contained low cobalt concentrations. The drill holes succeeded in confirming that the EM conductors and IP anomalies represent semi-massive sulfides and graphitic argillites.

Abundant intermediate to felsic intrusive rocks were intercepted at the Kite Lake prospect, which contrasts with the geology at the McAra cobalt deposit where mafic intrusive and volcanic rocks predominate. This relative abundance of intermediate to felsic intrusive rocks may indicated the subvolcanic intrusive system responsible for sulfide mineralization at Kite Lake and SK2 was more felsic and thus less enriched in cobalt compared to the McAra deposit. Also, massive sulfide intervals at Kite and SK2 are smaller and less abundant compared to the McAra cobalt deposit, which suggests that an adequate in-situ sulfur source was not present for sulfur-rich five-element vein formation.

Table 4: Cobalt assays greater than ~200 ppm from the Kite Lake and SK2 drill core assays.

DDH	From_m	To_m	Length_m	ALS Sample	Co ppm	Ag ppm	As ppm	Bi ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
MKL2003	75.64	76.36	0.72	13332	1480	1.31	2540	12.45	347	157	235	693
MKL2003	73.46	74.46	1.00	13331	402	2.61	20.7	1.47	1790	562	85.2	4050
MKL2003	43.38	44.38	1.00	13330	242	1.76	22.5	1.54	1710	276	50.7	2890
MKL2004	61.55	62.20	0.65	13343	209	2.95	3.9	1.46	649	122.5	14.4	186
MKL2006	257.00	258.00	1.00	13409	263	1.5	8.4	0.38	1570	314	35.7	580
MKL2006	258.00	259.00	1.00	13410	263	2.2	8.6	0.4	2350	375	57.7	6390
MKL2006	70.00	71.00	1.00	13387	250	4.48	9.5	0.34	746	137	41.4	889
MKL2006	268.00	269.00	1.00	13423	248	3.02	13.8	1	1310	287	140.5	2930
MKL2006	260.00	261.00	1.00	13412	238	2.17	11	1.47	1615	359	85.6	11750
MKL2006	71.00	71.80	0.80	13388	202	3.81	28	0.69	651	137.5	615	4640
MKL2006	262.00	263.00	1.00	13414	199.5	2.17	10.3	1.08	1475	252	88.7	4580
MKL2006	259.00	260.00	1.00	13411	198.5	1.22	10.9	0.26	734	223	65.1	8770
MKL2009	115.50	116.50	1.00	13504	214	1.43	34.1	1.2	582	111	20.6	940

Table 4: Cobalt assays greater than ~200 ppm from the Kite Lake and SK2 drill core assays.

3.4 RECOMMENDATIONS

Drilling at the Kite Lake and SK2 prospects adequately tested the near-surface Archean bedrock for mineable cobalt veins (i.e., those greater than ~50,000 tons at 1+% cobalt). Although anomalous cobalt values were documented in several holes, none of these are interpreted to have economic potential and thus further drilling in the immediate area is not recommended. However, geochemical analysis of the host stratigraphy is recommended to determine if the lack of cobalt can be attributed to an unfavorable geodynamic setting compared to the McAra cobalt deposit. The cost of this research is estimated at ~10,000 CAD.

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5. QUALIFICATIONS

CERTIFICATE OF QUALIFICATION AND CONSENT

I, Michael Hendrickson of Park Rapids, Minnesota, USA, do hereby certify:

1. That I am a consulting geologist and reside at 31791 Two Inlets Drive, Park Rapids, Minnesota, 56470.

2. That I graduated from Gustavus Adolphus College in Saint Peter, Minnesota, with a Bachelor or Arts degree in Geology in 2011, and that I graduated from the Colorado School of Mines in Golden, Colorado, with a Master of Science degree in Geology in 2013.

3. That I am a member in good standing of the Association of Geoscientists of Ontario (#3254).

4. That I have practiced my profession as an exploration geologist, consultant, and researcher for a period of about 10 years.

5. This document is based on information various public documents and my personal observations during several visits to the property.

6. 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 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.

7. I am permitted to participate in future restricted stock unit distribution by the client company.

8. My written permission is required for the release of any summary or excerpt.

_____

Michael D. Hendrickson Park Rapids, Minnesota, USA, April 30, 2020

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 Association of Professional Engineers and Geoscientists of Saskatchewan (#10852, non- practicing), 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.

6. 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.

7. I have no interest, either directly or indirectly, in the subject property or client company.

8. My written permission is required for the release of any summary or excerpt.

_____

Frank R. Ploeger Virginiatown, Ontario, August 27, 2019

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.

6. 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.

7. 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.

8. My written permission is required for the release of any summary or excerpt.

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Peter J. Doyle Richmond Hill, Ontario, August 27, 2019

6. INSTRUMENT SPECIFICATIONS

Trimble GeoXT[1]

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
- Submeter real-time or 50 cm postprocessed accuracy
- RTCM and CMR real-time correction support
- TSIP and NMEA protocol support

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

- 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 × 9.9 cm × 7.7 cm (8.5 in × 3.9 in × 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[3]) ..... 2.6 Watts
- High (with GPS, backlight[3], Bluetooth, and wireless LAN)[4] ..... 3.7 Watts

Environmental

Operating temperature ..... –20 ºC to +60 ºC (–4 ºF to 140 ºF)
Storage temperature ..... –30 ºC to +70 ºC (–22 ºF to 158 ºF)
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[5] ..... Bluetooth 1.2, Wireless LAN 802.11b/g

GPS

Channels ..... 14 (12 L1 code and carrier, 2 SBAS)
Integrated real-time ..... SBAS[1] (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)[6] after differential correction

Code postprocessed ……....	50 cm
Carrier postprocessed[7]	
With 10 minutes tracking satellites……	20 cm
With 20 minutes tracking satellites……	10 cm
With 45 minutes tracking satellites …….	1 cm
Real-time (SBAS[1] 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.

7. APPENDIX

Data on accompanying disc includes:

1.) Drill Hole Metadata
2.) Drill Hole Text Logs
3.) Assay Data
4.) Certificates of Analysis
5.) Plan Maps
6.) Cross Sections with Assay Data

DDH	Target	Easting (UTM NAD83 Z17N)	Northing (UTM NAD83 Z17N)	Elevation (m)	Azimuth	Dip	Depth (m)	Size	Claim Number	Drilling Start Date	Drilling End Date	Drilling Contractor	Storage	Overburden Thickness (m)	Casing	Cap	Abandoned	Artesion Conditions	Logging Completion Date	Log Author
MKL2001	Kite Lake	499630.68	5252366.08	410.97	195	-45	153.00	NQ	258307	02/10/2020	02/12/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	3.00	Left in place	Metal cap and flag	No	No	02/15/2020	J. Edwards
MKL2002	Kite Lake	499723.32	5252357.83	393.34	188	-46	153.00	NQ	258307	02/12/2020	02/14/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	10.47	Left in place	Metal cap and flag	No	No	02/17/2020	J. Edwards
MKL2003	Kite Lake	499834.55	5252365.81	397.23	188	-44	147.00	NQ	258307	02/14/2020	02/16/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	3.00	Left in place	Metal cap and flag	No	No	02/22/2020	M. Rich
MKL2004	Kite Lake	499864.63	5252485.08	389.34	195	-45	228.00	NQ	221117	02/16/2020	02/18/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	3.75	Left in place	Metal cap and flag	No	No	02/24/2020	I. Riddle
MKL2005	Kite Lake	499862.35	5252484.70	390.24	263	-46	97.70	NQ	221117	02/18/2020	02/20/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	1.25	Left in place	Metal cap and flag	No	No	02/24/2020	M. Rich
MKL2006	Kite Lake	499739.34	5252483.44	411.33	191	-44	291.00	NQ	221117	02/21/2020	02/24/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	4.10	Left in place	Metal cap and flag	No	No	02/27/2020	J. Edwards
MKL2007	Kite Lake	500034.06	5252375.83	395.29	196	-44	152.81	NQ	102284	2/24/2020	2/26/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	3.00	Left in place	Metal cap and flag	No	No	02/29/2020	S. Hicks
MKL2008	SK2	499907.99	5253382.96	385.53	182	-44	150.00	NQ	344675	2/26/2020	2/28/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	4	Left in place	Metal cap and flag	No	No	3/3/2020	S. Hicks
MKL2009	SK2	499971.49	5253343.24	385.26	180	-44	130.50	NQ	344675	2/28/2020	2/29/2020	G4 Forage	Canadian Exploration Services Ltd, 14579 Government Rd, Larder Lake, ON P0K 1L0, Canada	3.00	Left in place	Metal cap and flag	No	No	3/5/2020	S. Hicks

d=dark
m=medium
l=light

vfg=very fine grained
fg=fine grained
fmg=fine to medium grained
mg=medium grained
mcg=medium to course grained
cg= course grained
vcg=very course grained

CA=core axis
DTCA=distances to core axis
EOH=end of hole

v wk=very weak
wk=weak
wk mod=weak to moderate
mod=moderate
mod str=moderate to strone
str=strone
v str= very strone

py=pyrite
co=cobalt
cp=chalcopyrite
ga=galena
so=sohalerite
at=varnet
po=purrhotite

gn=garnet
mgt=magnetite
mo=molybdenum
he=heamtite

vcb=carbonate vein
vqc=quartz carbonate vein
vqz=quartz vein
vlt=wirelet
vdi=stringer

DDH	From_m	To_m	Interval_m	Lithology	Hue	Colour	Grain Size	Texture	Lithology, Colour, Grain size, Texture, Structure, Alteration, Mineralization, Veining, Lower contact.	Structure	Alteration1	Alteration1 Intensity	Alteration2	Alteration2 Intensity	Alteration3	Alteration3 Intensity	Mineral1	Mineral1_%	Mineral2	Mineral2_%	Mineral3	Mineral3_%	Vein1	Vein1 %	Vein2	Vein2 %
MKL2001	0	3.00	3	Casing					3 m casing marked with block.																	
MKL2001	3	5.26	2.26	Vvm mafic volcanic	d	black grey	vfg	foliated	Mafic flow. Dark grey to black with green bands or blotches. Aphanitic to very fine grained. High angle foliated with low angle healed brittle deformation. unit is mostly hard and competent. Chlorite altered and partially silicified. 1% disseminated subhedral pyrite in groundmass. Foliation parallel light green blotches and bands that may be altered quartz veins. Lower contact is sharp but brittle deformed to quartz vein at ~50 dtca, beta dg.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod			py	1					vqz	5	vqc	0.1
MKL2001	5.26	5.42	0.16	Qv quartz vein	l	white green	cg	massive	Quartz vein. Off white with green blotches of chlorite and orange feldspar component. Found roughly on contact between mafics and intermediate dyke. Small specs and blebs of variably orange to silvery sphalerite throughout at 2-5%. Contacts are brittle deformed at low angles and irregular but sharp. Contacts very roughly at alpha 50, betta 108.	fracture/in fractures	chlorite alteration	wk					sp	3	py	0.1			vqz	90		
MKL2001	5.26	10.17	4.91	Guu igneous rock (undifferentiated)	d	black orange	fg	massive	Intermediate dyke. Black and orange in upper margin to dark green and black towards bottom. Unit is fine grained with feldspar phenocrysts in upper margin and chlorite eyes towards bottom margin. Dyke is massive and mostly competent with few brittle broken localities. Dyke is orange in upper margin from Likely mixing with felsic component, seen further down hole. Dyke is cut by very few low angle calcite veinlets. Minor disseminated pyrite, localities with large blebs of sphalerite found in proximal to contacts. Lowe contact is difficult to determine but presumed to be at 55 dtca.	dyke	chlorite alteration	wk mod					py	1	sp	0.1			vqc	0.1		
MKL2001	10.17	12.07	1.9	Vvm mafic volcanic	d	black grey	vfg	foliated	Mafic flow. Same as previous at 3.00 m. Lower contact is sharp at 70 dtca.	foliated/foliation	chlorite alteration	mod					py	1	sp	0.1			vqz	5	vqc	0.1
MKL2001	12.07	18.80	6.73	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic intrusion. Pink to orange variably medium to course grained. Dominantly k-spar and quartz with variable plagioclase, and hornblende, Mostly massive with few fine grained felsic dyklets within. Few mafic flow xenoliths. Unit is hard but broken in sections with high occurrence of mm scale chlorite veinlets. rare quartz veins, cm scale. Lower contact is sharp at alpha 55, beta 265.	massive							py	1					vqz	0.1		
MKL2001	18.8	32.14	13.34	Vvm mafic volcanic	d	black grey	fmg	foliated	Mafic flow. Similar to previous at 3.00 m and 10.17 m but with small sub metre scale felsic dykes cutting throughout at 2-5%, less foliation parallel light between altered quartz bands in a course grained flow section from 25.67-27.86 m. Small 2cm fault with gauge at 20.8 at 20.8 m. Lower contact is to a large felsic dyke at alpha 45, beta 180.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod			py	1					vqz	2	vqc	0.1
MKL2001	32.14	33.90	1.76	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic intrusion. Same as previous at 12.07 m but with less grain size variability due to smaller size. Sharp lower contact at 80 dtca.	massive							py	1					vqz	0.1		
MKL2001	33.9	56.33	22.43	Vvm mafic volcanic	d	black grey	vfg	foliated	Mafic flow. Same as previous at 18.86m but with no course grained flow portions. Foliation remains high angle, alpha 50, beta 24, and unit is still cut by low angle brittle faults at alpha 15 beta 233. Lower contact is to sediments and is intercalated. Foliation is parallel to lamination in sediments. Contact is alpha 55, beta 018.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod			py	1					vqz	3	vqc	0.1
MKL2001	56.33	57.62	1.29	Sct chert	m	brown grey	fg	foliated	Cherty sediments. Medium to dark grey and brown with tan cherty laminations. Very fine grained with fine grain chlorite specs elongated along high angle foliation/lamination direction. Hard competent and siliceous. 5% disseminated fg to vfg pyrite throughout and also in small bands between laminations. Minor calcite veinlets cut lamination at low angles. Lower contact is sharp to quartz vein at 80 dtca.	foliated/foliation	chlorite alteration	wk					py	5					vqc	0.1		
MKL2001	57.62	57.90	0.29	Qv quartz vein	l	white grey	cg	massive	Quartz vein. White to grey. Small plagioclase blebs. Cut by minor high angle chlorite +- muscovite and pyrite stringers. Sharp contacts at 80 dtca upper and 65 dtca lower.	massive							py	1								
MKL2001	57.9	58.17	0.28	Sct chert	m	brown grey	fg	foliated	Cherty sediments. Same as previous before quartz vein. Lower contact to mafic flow is intercalated and parallel to mafics foliation.	foliated/foliation	chlorite alteration	wk					py	5					vqc	0.1		
MKL2001	58.17	58.90	0.73	Vvm mafic volcanic	d	black grey	vfg	foliated	Mafic flow. Same as all previous. Contact is intercalated at 50 dtca.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod			py	1					vqz	3	vqc	1
MKL2001	58.9	59.13	0.24	Sct chert	m	brown grey	fg	foliated	Cherty sediments. Small bed between mafics. Same as two previous. Lower contact at 50 dtca.	foliated/foliation	chlorite alteration	wk					py	5					vqc	0.1		
MKL2001	59.13	65.50	6.37	Vvm mafic volcanic	d	black grey	vfg	foliated	Mafic flow. Same as all previous but with minor sediment intercalations at contact to sediments and the introduction of quartz carbonate veins found at the same low angles that brittle deformation has been found throughout. Lower contact is faulted with 1cm of sandy gouge. Contact; alpha 35, beta 200.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod			py	1					vqz	3	vqc	1
MKL2001	65.5	71.52	6.02	Sct chert	m	brown grey	fg	foliated	Cherty sediments. Same as previous but with higher percentage of disseminated pyrite, up to 10% and some pyrrhotite, ~1% and introduction on small graphitic argillite lenses. Lower contact is sharp to dyke at alpha 65, beta 16.	foliated/foliation	chlorite alteration	wk					py	10	po	1			vqc	0.1		
MKL2001	71.52	71.95	0.44	Guu igneous rock (undifferentiated)	d	black orange	fg	massive	Intermediate dyke. Same as previous at 5.42 m but void of sphalerite and with no mixing of felsic orange component. Still small phenocrysts of plagioclase and chlorite eyes. Locally fracture but mostly competent. Sharp contacts. Lower contact at 65 dtca.	dyke	chlorite alteration	wk mod					py	1					vqc	0.1		
MKL2001	71.95	74.11	2.16	Sct chert	m	brown grey	fg	foliated	Cherty sediments. Same as previous but with 15% py and a slightly lower angle lamination at 40 dtca. Lower contact is bedding to argillite at 50 dtca.	foliated/foliation	chlorite alteration	wk					py	15	po	1			vqc	0.1		
MKL2001	74.11	76.08	1.97	Sag argillite	d	black	vfg	foliated	Graphitic argillite with semi massive pyrite and pyrrhotite. Laminated with bands of pyrite and pyrrhotite parallel to lamination throughout. Mostly competent with lamination fractures often every 10cm. Few brittle zones. Soft and graphitic. Sharp lower contact to mafics at alpha 55, beta 318.	foliated/foliation	graphitic alteration	str					py	20	po	5						

MKL2001	76.08	80.71	4.63	Vvm mafic volcanic	d	black grey	vfg	foliated	Mafic flow. Same as all previous but with a slightly lower angle foliation trend and slight variable coarsening of grain size with fmg sections. Lower contact is sharp to seds at alpha 40, beta 000.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod		py	1					vqz	3	vqc	1
MKL2001	80.71	81.43	0.73	Sct chert	m	brown grey	fg	foliated	Cherty sediments. Same as previous but heavily intercalated with mafics and less sulphides with 5% py. Lower contact is lamination parallel at alpha 30 beta 340.	foliated/foliation	chlorite alteration	wk				py	5	po	1			vqc	0.1						
MKL2001	81.43	83.67	2.24	Vvm mafic volcanic	d	black grey	fg	foliated	Mafic flow. Same as all previous. Lower contact is sharp to seds at alpha 50, beta 010.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod		py	1					vqz	3	vqc	1
MKL2001	83.67	86.54	2.87	Sct chert	m	brown grey	fg	foliated	Interbedded chert and argillite. Same as previous sediments, but with localities of semi massive pyrite and pyrrhotite up to 20cm wide. 5% and 10% pyrrhotite overall. Sharp lower contact to vvm, angle is obstructed due to broken core.	foliated/foliation	chlorite alteration	wk	graphitic alteration	mod		py	5	po	10			vqc	0.1						
MKL2001	86.54	91.91	5.37	Vvm mafic volcanic	d	black grey	fmg	foliated	Mafic flow. Same as previous but with an increase in disseminated pyrite up to 5% overall and courser grained at fine to medium. Also weakly foliated. Sharp lower contact at alpha 50, beta 000.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod		py	5					vqz	1	vqc	0.1
MKL2001	91.91	93.78	1.87	Sdu sediment general (undifferentiated)	d	black purple	vfg	foliated	Argillite and sediments. Dark black to purple. Finley laminated at high angles with bands of lamination parallel pyrrhotite and lesser pyrite. Soft but competent. Mod to weak graphite alteration. ~10% overall pyrrhotite and under 5% pyrite found more in blebs than bands. No veining, some pyrrhotite is in stringers cutting lamination. Lower contact is intercalated with vvm over 20cm.	foliated/foliation	chlorite alteration	wk	graphitic alteration	mod		py	2	po	10								
MKL2001	93.78	100.73	6.95	Vvm mafic volcanic	d	black grey	fmg	foliated	Mafic flow. Same as previous but with metre scale sections with a moderately developed foliation, lesser disseminated pyrite. Low angle brittle faulting displacing foliation infilled with pyrite stringers ad quartz carbonate veins. Sharp lower contact to diabase dyklets at 60 dtca.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod		py	2					vqz	1	vqc	2
MKL2001	100.73	101.1	0.37	Gdl dolerite	d	black	vfg	massive	Diabase dyklets with small 5cm wedge of vvm between. Black with light bleached contacts. Aphanitic presumed chilled margin of diabase. Dykes are "fresh", unaltered and un intruded. Weakly magnetic from disseminated magnetite. Both dyklets are oriented 60 dtca.	massive						mt	0.5										
MKL2001	101.1	119.97	18.87	Vvm mafic volcanic	d	black grey	fmg	foliated	Mafic flow. Same as previous . Sharp lower contact to granitic dyke at alpha 45, beta 330.	foliated/foliation	chlorite alteration	mod	silica alteration	wk mod		py	2					vqz	1	vqc	2
MKL2001	119.97	126.87	6.91	Gfu felsic rock (undifferentiated)	l	orange pink	cg	massive	Granitic intrusion. Pink to orange variably medium to course grained. Dominantly k-spar and quartz with variable plagioclase, and hornblende, Mostly massive with few fine grained felsic dyklets within. Rare mafic flow xenoliths. Unit is hard but broken in sections with high occurrence of mm scale chlorite veinlets. rare quartz veins, cm scale. Lower contact is sharp at 65 dtca.	massive						py	1					vqz	0.1						
MKL2001	126.87	128.2	1.33	Sag argillite	d	black	vfg	foliated	Argillite and sediments. One 30cm bed of other sediments at upper contact. Similar to previous argillites, very graphitic and brittle in sections. 5-10% py, void of pyrrhotite. Moderate carbonate alteration making unit lighter in places highlighting folding in unit. Unit is cut by low angle faults and cut by one large quartz vein at 128.2-128.5. Lower contact to quartz vein is 30 dtca.	folded/folds	graphitic alteration	str	carbonate alteration	mod str		py	7					vqz	1	vcb	2
MKL2001	128.2	128.5	0.31	Qv quartz vein	l	white green	cg	massive	Quartz vein. Off white with green blotches of chlorite. Small specs and blebs of variably orange sphalerite at 1% and 5% course blebs and subhedral pyrite grains. Contacts are brittle deformed at low angles and irregular but sharp. Contacts very roughly 10 dtca.	fracture/in fractures	chlorite alteration	wk				sp	1	py	5			vqz	90					
MKL2001	128.5	130.54	2.04	Sag argillite	d	black	vfg	foliated	Argillite. Similar to previous argillites, very graphitic and brittle in sections. 5-10% py, void of pyrrhotite. Moderate carbonate alteration making unit lighter in places highlighting folding in unit. Unit is cut by low angle faults infilled with pyrite and carbonate. Lower contact sharp at 45 dtca.	folded/folds	graphitic alteration	str	carbonate alteration	mod str		py	7	sp	1			vqz	1	vcb	2
MKL2001	130.54	131.14	0.6	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic intrusion. Same as previous. Sharp lower contact at 45 dtca.	massive						py	1					vqz	0.1						
MKL2001	131.14	132.3	1.17	Sag argillite	d	black	vfg	foliated	Argillite. Similar to previous argillites, very graphitic and brittle in sections. 5-10% py, void of pyrrhotite. Moderate carbonate alteration making unit lighter in places highlighting folding in unit. Unit is cut by low angle faults infilled with pyrite and carbonate. Lower contact is a 5cm chlorite rich quartz carb vein at alpha 50, beta 350.	folded/folds	graphitic alteration	str	carbonate alteration	mod str		py	7	sp	1			vqz	1	vcb	2
MKL2001	132.3	132.4	0.1	Fault Breccia	d	black	cg	brecciated	Fault breccia in argillite. Sub angular sub cm scale clasts of argillite bound in black graphitic material. 5% disseminated fg pyrite. Weakly flow oriented parallel to contacts at alpha 50, beta 350.	faulted/fault	graphitic alteration	str	carbonate alteration	mod str		py	5					vqz	1	vcb	2
MKL2001	132.4	135.34	2.94	Sct chert	m	brown grey	fg	foliated	Cherty sediments. Same as previous but with abundant sphalerite (1-2%) in rough lamination parallel bands, pyrite is disseminated and in bands at 5-10%. Few small beds of argillite with semi massive pyrite. Cut by few clean white quartz calcite veins parallel to lamination. Intercalated lower contact to mafics at 50 dtca.	foliated/foliation	chlorite alteration	mod	silica alteration	mod		py	7	sp	1			vqc	2				
MKL2001	132.4	145.27	12.87	Vvm mafic volcanic	d	black grey	fg	foliated	Mafic flow. Cut by one smal diabase dyke at 136.3m. Course grained flow section from 137.87-138.00 m. Mafics are grey to black, fine grained well foliated. Near banded with altered quartz veins that are light pale green and sometimes infilled with calcite. Altered quartz compose 10-15% of whole unit. Mafics are cut by low angle faults. Unit has around 1% disseminated pyrite. Hard and competent. Sharp lower contact at 20 dtca.	foliated/foliation	chlorite alteration	wk	carbonate alteration	wk mod		py	1					vcb	3	vqc	10
MKL2001	145.27	146	0.73	Gfu felsic rock (undifferentiated)	l	orange pink	fg	massive	Felsic intrusive. Light orange to pink. Fine grained to very fine grained. Different from granitic intrusions due to grain size and heavy silica flooding. Few pyrite stringers cut unit. Sharp contacts at alpha 35, beta, 130.	massive	silica alteration	mod				py	2										
MKL2001	146	150.95	4.95	Vvm mafic volcanic	d	black grey	fg	foliated	Mafic flow. Same as previous. Sharp lower contact at 45 dtca.	foliated/foliation	chlorite alteration	wk	carbonate alteration	wk mod		py	1					vcb	3	vqc	10

MKL2001	150.95	152.86	1.92	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic intrusion. Same as previous. Sharp lower contact at 55 dtca.	massive							py	1											
MKL2001	152.86	153	0.14	Vvm mafic volcanic	d	black grey	fg	foliated	Mafic flow. Cut by one small diabase dyke at 136.3m. Course grained flow section from 137.87-138.00 m. Mafics are grey to black, fine grained well foliated. Near banded with altered quartz veins that are light pale green and sometimes infilled with calcite. Altered quartz compose 10-15% of whole unit. Mafics are cut by low angle faults. Unit has around 1% disseminated pyrite. Hard and competent. Sharp lower contact at 20 dtca.	foliated/foliation	chlorite alteration	wk	carbonate alteration	wk mod		py	1						vcb	3	vqc	10
MKL2002	0	10.47	10.47	Oou overburden general					Overburden and casing.																				
MKL2002	10.47	14.88	4.41	Guu igneous rock (undifferentiated)	d	black orange	mg	foliated	Intermediate dyke. Grey/black to brown and orange, medium grained. Weakly foliated to massive at times. Orange component within dyke is felsic and appears to be granitic rock that is partially consumed by this dyke. Variably porphyritic with feldspar phenocrysts and sections with rough chlorite eyes. Unit is hard but broken throughout along chlorite infill veinlets that cut the unit throughout. Patchy localities with 5% fg euhedral pyrite over ~20 cm. No significant veining just veinlets of chlorite. Sharp lower contact to granitic intrusive at ~40 dtca.	fracture/in fractures	chlorite alteration	mod				py	2										
MKL2002	14.88	15.27	0.39	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic dyke. Orange to pink, Course grained, massive, hard and competent. Dominantly subhedral grains of feldspars in a finer matrix of amphibole/chlorite binding the grains. Hard and partially broken along infill chlorite veinlets. Sharp contacts, lower contact at 70 dtca.	massive	chlorite alteration	wk				py	0.1										
MKL2002	15.27	28	12.73	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic flow. Dark black/grey with foliation parallel lighter green near bands of altered quartz? Variably aphanitic to fine-medium grained in large metre scale sections alternating throughout. The courser grained sections lack the high percentage of light green altered quartz bands as well being more massive with a very weak or void foliation. Courser grained sections could be flow or they could be a conformable gabbro component. Mafics are cut by one small granitic dyke from 19.52-19.58 m and one rhodochrosite vein at 13 dtca from 19.8-20.2 m (true width ±1.5 cm). Brittle deformation is seen throughout with healed faults displacing one the cm scale at very low angles. Brittle in upper margin, hard and competent in middle to lower. Foliation is consistent around 55 dtca. Wk mod chlorite alteration. Partially silicified. Lower contact to dyke is sharp at 50 dtca.	foliated/foliation	chlorite alteration	wk mod	silica alteration	wk mod		py	0.1						vqc	0.1	vqz	3
MKL2002	28	30.07	2.07	Guu igneous rock (undifferentiated)	d	brown black	mg	massive	Intermediate dyke. Grey black to black brown. Similar to previous intermediate dyke but void of orange component suspected to be partial melting of felsic material. Dyke does not have weak foliation but massive. Blotchy anhedral to subhedral feldspar phenocrysts and variably occurrence of chlorite grains/eyes. Hard and competent, weak chlorite alteration, finer grained contacts that are sharp. Trace pyrite found on fracture faces. Lower contact is sharp at 60 dtca.	massive	chlorite alteration	wk				py	0.1										
MKL2002	30.07	30.45	0.38	Vvm mafic volcanic	d	grey black	vfg	foliated	Mafic flow. Dark grey to black. Same as previous but void of any course grained flown, remaining aphanitic with a high occurrence of foliation parallel altered light green opaque quartz bands which at times contain calcite, chlorite and trace orange sphalerite. Sharp lower contact at 65 dtca.	foliated/foliation	chlorite alteration	wk mod				py	0.1						vqc	0.1	vqz	10
MKL2002	30.45	30.61	0.16	Gdl dolerite	d	grey black	vfg	massive	Diabase dyke. Aphanitic chilled dyklets, with light bleaching on contacts. Likely a dyklets of larger diabase dyke system yet to be seen in the Kite Lake holes. Weakly magnetic. Micro fractured with small chlorite infilling. Sharp straight upper contact at 65 dtca and undulating sharp lower contact around ~60 dtca.	massive	chlorite alteration	wk				mt	1										
MKL2002	30.61	42.7	12.09	Vvm mafic volcanic	d	grey black	vfg	foliated	Mafic same as previous, void of course grained flow sections. This mafic is however cut by and abundance of small sub metre scale intermediate dykes mentioned at 28 m. Sharp low angle contact to quartz calcite vein at 5 dtca.	foliated/foliation	chlorite alteration	wk mod				py	0.1						vqc	0.1	vqz	10
MKL2002	42.7	43.7	1	Qcv quartz carbonate vein	l	white	cg	massive	Quartz carbonate vein. 90% carbonate to 10% quartz. Variably milky to clear white. Course grained dominantly calcite grains with milky white quartz on the vein selvage. Few cm scale angular breccia clasts of mafic flow. Blebby pyrite at 2% throughout and occasional pyrite stringers often along margins of breccia clasts, trace specularite blebs. Sharp low angle contacts at 5 dtca upper and 15 dtca lower.	brecciated						py	3	he	0.1				vqc	95		
MKL2002	43.7	46.8	3.1	Vvm mafic volcanic	d	grey black	vfg	foliated	Mafic flow. Same as mafic flow described at 30.07 and 30.61 metres but with an increase in low angle brittle faulting with carbonate infill and introduction of trace pyrrhotite in carbonate veins. Sharp lower contact at 55 dtca.	foliated/foliation	chlorite alteration	wk mod				py	2	po	0.1				vqc	5	vqz	10
MKL2002	46.8	47.1	0.31	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic dyke. Orange to pink, Course grained, massive, hard and competent. Dominantly subhedral grains of feldspars in a finer matrix of amphibole/chlorite binding the grains. Hard and competent. Sharp contacts, lower contact at 30 dtca.	massive	chlorite alteration	wk				py	0.1										
MKL2002	47.1	54.6	7.5	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic flow, Grey black to green. Fine grained. Unique to other mafic flow units in that this section is mostly void of foliation parallel altered quartz bands. Foliation is weak but parallel to other mafic flow units. Becomes gradationally more chlorite altered and brittle towards lower contact to gdl dyke. Unit is cut at low angles by quartz carbonate veins which have an abundance of blebby pyrite and trace spec hem, trace chalcopyrite and minor sphalerite in large and small blebs. Lower contact is sharp at 65 dtca.	foliated/foliation	chlorite alteration	str				py	1	sp	0.01	cp	0.01		vqc	3		
MKL2002	54.6	55.2	0.61	Gdl dolerite	d	grey black	vfg	massive	Diabase dyke. Aphanitic chilled dyklets, with light bleaching on contacts. Likely a dyklets of larger diabase dyke system yet to be seen in the Kite Lake holes. Weakly magnetic. Micro fractured with small chlorite infilling. Sharp contacts, lower contact at 50 dtca.	massive	chlorite alteration	wk				mt	1										
MKL2002	55.2	61.02	5.82	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic flow, same as previous but chlorite alteration decrease gradually towards lower contact which is sharp at 65 dtca.	foliated/foliation	chlorite alteration	str				py	1	sp	0.01	cp	0.01		vqc	3		
MKL2002	61.02	62.81	1.79	Guu igneous rock (undifferentiated)	d	brown black	mg	massive	Intermediate dyke. Grey black to black brown. Same as previous dyke described at 28 metres. Lower contact is sharp at 55 dtca.	massive	chlorite alteration	wk				py	0.1										
MKL2002	62.81	75.58	12.77	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic flow, similar to previous at 55.2 but weakly chlorite altered and foliation becomes gradationally stronger down hole and there is a reintroduction of foliation parallel light green altered quartz bands beyond 73 m. Lower contact is sharp at 85 dtca.	foliated/foliation	chlorite alteration	wk				py	1	sp	0.01	cp	0.01		vqc	3		
MKL2002	75.58	75.72	0.15	Ggu granitic rock (undifferentiated) - granitoid	d	grey black	vfg	massive	Diabase dyke. Aphanitic chilled dyklets, with light bleaching on contacts. Likely a dyklets of larger diabase dyke system yet to be seen in the Kite Lake holes. Weakly magnetic. Micro fractured with small chlorite infilling. Sharp contacts, lower contact at 90 dtca.	massive	chlorite alteration	wk				mt	1										

MKL2002	75.72	87	11.28	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic flow, similar to previous at 62.81 but with a consistent high occurrence of foliation parallel light green altered quartz bands. Grain size is variably fine to aphanitic. Low angle shearing's continues. Pyrite is found to increase as a sediment intercalation may now be present. Sharp lower contact to granitic intrusion.	foliated/foliation	chlorite alteration	wk				py	1	sp	0.01	cp	0.01	vqc	3						
MKL2002	87	95.5	8.5	Ggu granitic rock (undifferentiated) - granitoid	l	black white	cg	massive	Granitic dyke. Looks like Diorite, Black and white mostly with trace orange. Composition looks to be mostly quartz, plag and amphibole. Course grained, massive, hard and competent. Dominantly subhedral grains of feldpars in a finer matrix of amphibole/chlorite binding the grains. Sharp contacts, lower contact at 60 dtca.	massive	chlorite alteration	wk				py	0.1													
MKL2002	95.5	97.95	2.45	Sct chert	m	black brown	vfg	interbedded	Interbedded argillite and chert. Dark brown chert and black argillite. Very fine grained sediments. Cm scale intercalated beds of mafic flow within. High angle laminated and interbedded on the cm to mm scale. One small granitic dyke from 96.25 to 96.35 cuts sediments. Unit is hard and siliceous but becomes chlorite altered and soft towards lower contact. Sulphides are10% py and 2% po which are disseminated and stratiform throughout. Few small sub cm scale quartz carbonate veins cut unit at ~ 45 dtca. Sharp lower contact is faulted at 50 dtca.	Laminated	chlorite alteration	wk mod	silica alteration	mod		py	10	po	2			vqc	0.1						
MKL2002	97.95	100.5	2.55	Vvm mafic volcanic	d	black green	fg	foliated	Mafic flow. Same as previous at 75.72 m. Sharp lower contact is parallel to sediment laminations at 60 dtca.	foliated/foliation	chlorite alteration	mod				py	1	sp	0.01			vqc	3						
MKL2002	100.5	105.16	4.66	Sct chert	m	black brown	vfg	interbedded	Interbedded argillite and chert. Dark brown chert and black argillite. Very fine grained sediments. Cm scale intercalated beds of mafic flow within. High angle laminated and interbedded on the cm to mm scale. Brittle shearing throughout at low angles sub parallel to core axis. Unit is hard and siliceous when chert then soft and graphitic when argillite. Some beds are heavily chlorite altered. Sulphides are 10% py with minor po. Sulphides tend to favour argillite beds. Pyrite is disseminated and stratiform throughout. Few small sub cm scale quartz carbonate veins cut unit at ~ 45 dtca. One 5 cm quartz vein with pyrite and chlorite at 104.84 m. Sharp lower contact is faulted at alpha 20 beta 50.	Laminated	chlorite alteration	wk mod	silica alteration	mod		py	5	po	0.1			vqc	1	vqz	0.1				
MKL2002	105.16	110.97	5.81	Vvm mafic volcanic	d	black green	fg	foliated	Mafic flow. Same as previous at 97.95 m. Dark grey to black variably fine to vfg groundmass with high angle foliation parallel light green altered quartz? Bands 5 Unit is cu by small aphanitic mafic dykes. Pyrite is patchy but higher than previous mafics. Unit is partially silicified and hard. Low angle shearing displaces foliation. Sharp lower contact at alpha 60, beta 180.	foliated/foliation	chlorite alteration	wk	silica alteration	mod		py	2	sp	0.01			vqc	3						
MKL2002	110.97	112.34	1.37	Gdl dolerite	d	grey black	vfg	massive	Diabase dyke. Series of 7 sub metre scale dykes cutting mafic flow. Dykes are dark grey with light tan bleached contacts. Represent aphanitic chilled margins of diabase system. Dykes are fresh and cut all other units. Minor chlorite micro fracture infills and few 'rips' along low angles sub parallel to core axis with calcite infilling. Sharp contacts mostly high angle but often undulatory. Last dyke in sets contact is sharp at alpha 65, beta 170.	massive	chlorite alteration	wk				mt	1													
MKL2002	112.34	116.55	4.21	Vvm mafic volcanic	d	black green	fg	foliated	Mafic Flow. Same as previous at 105.16 m but with a high degree of deformation from low angle faulting, not silicified, and with large sub 10 cm scale carbonate veins. Pyrite is blebby and remains high. Sharp lower contact at alpha 50 beta 190.	foliated/foliation	chlorite alteration	wk	silica alteration	mod		py	3	sp	0.01			vqc	5						
MKL2002	116.55	116.58	0.04	Gdl dolerite	d	grey black	vfg	massive	Diabase dyklets. Same as all previous, sharp lower contact at alpha 65, beta 190.	massive	chlorite alteration	wk				mt	1													
MKL2002	116.58	118.55	1.97	Fault Breccia	m	black green	cg	brecciated	Fault Breccia. Material is partially healed and consists of interbedded argillite and chert with some intercalated mafic volcanics. Contacts have fine sub angular breccia clasts of ~2-3 cm over 10-20cm and middle margin of unit is more in situ with fractures and breccia clasting being larger and more in place. Displacement looks to be minor when parallel to lamination but strongest when sub parallel to core axis. Lower contact is vague but ~ 15 dtca.	faulted/fault	chlorite alteration	str				py	3	po	0.5			vqc	2						
MKL2002	118.55	123.45	4.91	Sct chert	m	black brown	vfg	interbedded	Interbedded argillite and chert cut by few gdl sub metre dykes. Dark brown chert and black argillite. Very fine grained sediments. Cm scale intercalated beds of mafic flow within. High angle laminated and interbedded on the sub metre to mm scale. Brittle shearing throughout at low angles sub parallel to core axis. Unit is hard and siliceous when chert then soft and graphitic when argillite. Sulphides are 5% py with minor po. Sulphides tend to favour argillite beds. Pyrite is disseminated and stratiform throughout. Few small sub cm scale quartz carbonate veins cut unit at ~ 45 dtca. One 10 cm quartz vein with pyrite and chlorite at 123.1 m. Sharp lower contact to faulted argillite is lamination parallel at 60 dtca.	Laminated	chlorite alteration	wk mod	silica alteration	mod		py	5	po	0.1			vqc	1	vqz	0.1				
MKL2002	123.45	124.17	0.72	Fault	d	black	cg	fragmental or as fragments	Fault Zone. Faulted argillite is mostly broken cataclasite with few semi healed gaugy fault breccia pieces. Argillite is heavily graphite altered Fault orientation is low angle or ~45 dtca. Sharp lower contact 60 dtca.	faulted/fault	graphitic alteration	str				py	2													
MKL2002	124.17	126.86	2.69	Sct chert	m	black brown	vfg	interbedded	Interbedded argillite and chert. Dark brown chert and black argillite. Very fine grained sediments. Cm scale intercalated beds of mafic flow within. High angle laminated and interbedded on the sub metre to mm scale. Brittle shearing throughout at low angles sub parallel to core axis. Unit is hard and siliceous when chert then soft and graphitic when argillite. Sulphides are 5% py with minor po. Sulphides tend to favour argillite beds. Pyrite is disseminated and stratiform throughout. Cut by no veins. Sharp lower contact at 50 dtca.	Laminated	chlorite alteration	wk mod	silica alteration	mod		py	5	po	0.1			vqc	1	vqz	0.1				
MKL2002	126.86	127.58	0.72	Gdl dolerite	d	grey black	fg	massive	Diabase dyke. Same as all previous but large enough to see coarsening of grain size in middle of unit distal from aphanitic chilled margins. Sharp lower contact at 50 dtca.	massive	chlorite alteration	wk				mt	1													
MKL2002	127.58	130.24	2.67	Sag argillite	m	black brown	vfg	interbedded	Interbedded argillite and chert. Similar to previous interbedded seds but dominantly argillite and return of higher pyrrhotite contents. Sharp lower contact to mafics is foliation and lamination parallel at 55 dtca.	Laminated	chlorite alteration	wk mod	silica alteration	mod		py	5	po	3			vqc	1	vqz	0.1				
MKL2002	130.24	144.57	14.33	Vvm mafic volcanic	d	black green	fg	foliated	Mafic Flow. Similar to previous mafics but less deformed being further away from faulting. Highly banded with light green and opaque altered quartz veins. Sharp lower contact to vein at alpha 55 beta 30.	foliated/foliation	chlorite alteration	wk				py	1	sp	0.01			vqc	3	vqz	5				
MKL2002	144.57	144.83	0.27	Qcv quartz carbonate vein	l	white	cg	massive	Carbonate vein. Off white to grey, course grained, massive with few blebs of orange sphalerite. Sharp but irregular undulatory contacts. Lower contact is very roughly ~50 dtca.	massive						sp	1													
MKL2002	144.83	153	8.17	Vvm mafic volcanic	d	black green	fg	foliated	Mafic Flow. Same as previous at 130.24 metres.	foliated/foliation	chlorite alteration	wk				py	1	sp	0.01			vqc	3	vqz	5				
MKL2003	0	3	3	Oou overburden general					Casing to 3 m.																						

MKL2003	3	14.15	11.15	Vvm mafic volcanic	M	grey	vfg	foliated	Mafic Volcanic. Medium grey-black, very-fine grained, moderately foliated (at 40 to 60 degrees to core axis), locally massive. Abundant, foliation parallel bands and pods of epidote alteration; as well as a strong network of low angle to core axis (10 to20 degrees to core axis and perpendicular to fabric) 'veinlets' and wispy stringers of epidote alteration, locally with mm-scale offsets. Chlorite Alteration, weak to moderate and pervasive. Very trace, very fine-gained disseminated pyrite (slight increase in fine-grained blebby pyrite in more massive intervals. Rare, mm-scale carbonate veinlets and carbonate pods. Rare, 1 to 2 cm quartz veins. Lower contact uncertain, dropped box.		epidote alteration	mod str	chlorite alteration	wk mod			py	0.1							vcb	0.1	vqz	0.1
MKL2003	14.15	14.85	0.7	Vvm mafic volcanic	D	green black	vfgfg	weakly foliated	Pyritized mafic volcanic. Medium to dark green black, very fine- to fine-grained, weakly to moderately foliated with fabric increasingly defined by pyrite/pyrite bands. Semi-massive to massive bands/lens of pyrite and lesser pyrrhotite, locally associated with elongate quartz segregations/pods, wem roughly parallel to fabric (50 to 60 degrees to core axis); as well as blebby pods of pyrite/pyrrhotite. Minor graphite on fractures. Locally fabric parallel epidote alteration bands, 1 -2 cm (~ 50 degrees to core axis). Contacts are difficult to discern, weakly gradational. Interval is in dropped box, depth is approximate.		epidote alteration	mod str	chlorite alteration	wk mod			py	40										
MKL2003	14.85	22.6	7.75	Vvm mafic volcanic	M	grey	vfg	foliated	Mafic Volcanic. Light to medium grey-black, very-fine grained, moderately to well foliated (60 to 70 degree to core axis). Abundant, foliation parallel bands, locally pods, of epidote alteration; as well as, a weak network of low angle wispy, epidote stringers and thin veinlets (30 to 40 degrees to core axis), locally causing mm to sub-cm displacement. Brecciated vein with carbonate infill with angular mafic clasts at 16.5 m, barren. Rare, carbonate +/- sphalerite veinlets parallel to foliation. Rare, red mm-scale red quartz veinlets, slightly oblique to foliation. Chlorite alteration, weak and pervasive. Trace, very fine-grained disseminated to fine-grains subhedral blebby pyrite generally foliation parallel stringers. Near bottom contact with argillite units, irregular pods of massive pyrite. Lower contact relatively sharp and undulator (20 to 40 degrees to core axis).		epidote alteration	mod str	chlorite alteration	wk mod			sp	0.01	py	0.3					vcb	0.1	vqz	0.1
MKL2003	22.6	23.87	1.27	Sag argillite	D	black	vfg		Graphitic Argillite/Mudstone with minor intercalated mafic (major interval between 22.85 and 23.05 m). Black, aphanitic to very fine-grained, weakly to moderately laminated (~ 60 degrees to core axis). Abundant, semi-massive to massive lens, stringers and pods of roughly foliation parallel, pyrite/pyrrhotite; as well as blebby lens and thing stringers. Lower contact is sharp.	laminated	argillic alteration	mod str				gp	5	py	25								
MKL2003	23.87	25.45	1.58	Vvm mafic volcanic	M	grey	vfg	foliated	Mafic Volcanic. Dark grey-black, very-fine grained, moderately foliated (50 to 60 degrees to core axis). Relatively abundant, foliation parallel bands and pods of epidote alteration +/- chlorite +/- garnet. Rare epidote stringers veinlets perpendicular to core axis (10 to 30 degrees to core axis). Rare, mm-scale, fabric parallel carbonate veinlets. Very trace disseminated pyrite. Lower contact sharp		epidote alteration	mod str	chlorite alteration	mod			py	0.01							vcb	1		
MKL2003	25.45	25.8	0.36	Ggu granitic rock (undifferentiated) - granitoid	M	pink	fmg	massive	Granitic Rock (undifferentiated) - granitoid. Diorite/granodiorite. Pink (salmon), fine to medium-grained, massive, inequigranular (sericite texture), very weakly magnetic. Pink colour likely the result of hematite/k-spar staining. Trace, very fine-grained, disseminated pyrite and fine-grained interstitial galena. Rare quartz pods. Lower contact sharp (80 degrees to core axis).		hematite alteration	wk				gl	0.1	py	0.1								
MKL2003	25.8	27.1	1.3	Vvm mafic volcanic	M	grey	vfg	amygdaloidal or as amygdales	Amygdaloidal Basalt. Medium-grey, aphanitic to very fine-grained with 1 to 4 mm amygdaloidal, massive becoming weakly foliated towards bottom contact. Amygdaloids are off white to pink, likely quartz (no ran to HCl). Rare, mm-scale epidote veinlets and sub-mm scale chlorite-carbonate seams (these two sets are perpendicular to each other). Very trace, very-fine-grained disseminated pyrite. Lower contact sharp (50 to 60 degrees to core axis.		chlorite alteration	wk													vep	1	vcb	0.1
MKL2003	27.1	27.3	0.2	Ggu granitic rock (undifferentiated) - granitoid	M	pink	fmg	weakly foliated	Granitic Rock (undifferentiated) - granitoid. Diorite/granodiorite. Similar to 25.45 -25.8 m. Massive becoming weakly to moderately foliated towards bottom contact. Trace, interstitial galena and very minor, very fine-grained, disseminated pyrite. One sub-cm quartz vein. Lower contact sharp (45 degrees to core axis).		hematite alteration	wk mod				py	0.01								vqz	0.5		
MKL2003	27.3	27.65	0.35	Vvm mafic volcanic	M	grey		amygdaloidal or as amygdales	Amygdaloidal Basalt. Similar to 25.8 to 27.1 m. Lacks the epidote alteration with minor sub-cm veinlets of pink-stained granitoid. Trace very fine-grained blebby pyrite defining a weak foliation near bottom of interval		chlorite alteration	wk mod	hematite alteration	v wk		py	0.1										
MKL2003	27.65	31.15	3.5	Vvm mafic volcanic	M	grey	vfgfg	foliated	Mafic Volcanic. Medium green-grey to grey black, very fine -to fine-grained, weakly to moderately foliated (40 to 60 degrees to core axis). Abundant, roughly foliation parallel epidote alteration bands and irregular pods +/- chlorite +/- fine-gained disseminated pyrite. Very thin-fracture fill, quartz/carbonate(?) stringer, randomly oriented. Chlorite alteration, weak to moderate and pervasive; sericite alteration, weak and locally emphasising foliation. One small, cm-scale off-white carbonate vein with elongate mafic clasts between 28.45 and 28.5 m. One small, pink-stained, granitoid dyke between 28.35 and 28.41 m, medium-grained, massive, roughly equiangular and associated with carbonate. Lower contact sharp with brecciated graphitic mudstone		chlorite alteration	mod str	sericite alteration	wk mod			py	0.3							vst	1		
MKL2003	31.15	31.55	0.41	Sag argillite	D	black	vfg	clastic or as clasts	Graphitic Argillite/Mudstone. Black, aphanitic, massive with chaotic pods of mm to sub-cm scale, sub rounded to sub-angular, brecciated clasts and rare irregular carbonate clasts. Blebby grains to irregular pods of pyrite. Lower contact sharp and slight irregular (70 to 80 degrees to core axis).		argillic alteration	mod	chlorite alteration	wk			gy	10	py	1.5								
MKL2003	31.55	31.95	0.4	Vvm mafic volcanic	M	green black	vfg	foliated	Mafic Volcanic. Dark green-black to grey-black, very fine-grained, weakly to moderately foliated. Abundant epidote alteration bands and stringers, foliation parallel. Trace, very fine-grained disseminated pyrite (slightly increased in alteration bands). Chlorate alteration, moderate and pervasive. Lower contact sharp (~30 to 40 degrees to core axis).		chlorite alteration	mod				py	0.3										
MKL2003	31.95	32.4	0.45	Sag argillite	D	black	vfg	clastic or as clasts	Mafic Volcanic Breccia with Graphitic Argillite/Mudstone matrix. Seems to be composed of chlorite altered, mafic and carbonate (+/- pyrite) clasts, coarse-sand to cobble, sub-rounded to sub-angular; with black graphitic argillite/mudstone infill matrix. Graphite occurs as wispy stringers in argillitic groundmass; as well as very trace disseminate chalcopyrite and sphalerite(?). Blebby to blebby discontinuous stringers of pyrite. Chlorite alteration of mafic clasts and argillitic alteration for mud matrix. Lower contact sharp.	cataclastic	chlorite alteration	wk mod	argillic alteration	wk			cy	0.1	sp	0.1	py	1					
MKL2003	32.4	32.51	0.11	Ggu granitic rock (undifferentiated) - granitoid	L	cream	fmg	massive	Granitic Rock (undifferentiated) - granitoid. Diorite/granodiorite(?). Cream, fine -to medium-grained, massive, roughly equigranularity. Minor, interstitial carbonate alteration and chlorite alteration of mafic minerals. Minor, very fine-grained, interstitial disseminated pyrite/pyrrhotite. Sharp contacts.		chlorite alteration	wk mod	carbonate alteration	wk			py	0.1										
MKL2003	32.51	32.71	0.21	Vvm mafic volcanic	D	green black	vfg	massive	Mafic Volcanic. Dark green-black, very fine-grained, massive. Irregular, cm-scale, pods of chlorite, carbonate and blebby pyrite. Chlorite alteration, moderate and pervasive. Lower contact sharp (60 degrees to core axis).		epidote alteration	wk mod	chlorite alteration	mod			py	0.3										
MKL2003	32.71	32.97	0.26	Sag argillite	M	pink	vfg	clastic or as clasts	Clastic Felsic-Intrusive and Mafic-Volcanic with Graphitic Argillite/Mudstone matrix. Clasts consist of off-white to pink and dark grey to black intermediate to mafic, sub-rounded, course sand to pebble. Matrix consists of black, very-fine grained graphitic argillite/mudstone. Carbonate alteration of felsic-intrusive clasts; Chlorite alteration of mafic volcanics clasts; Argillite alteration of matrix. Abundant wispy graphite in argillite mudstone; Minor blebby to thin stringers of pyrite, locally associate with very trace very-fine grained chalcopyrite in argillite matrix. Lower contact is gradational in to mudstone.	cataclastic	argillic alteration	wk mod	carbonate alteration	wk	chlorite alteration	wk mod	cy	0.01	gp	7.5	py	1					
MKL2003	32.97	33.2	0.24	Vvm mafic volcanic	M	green black	vfg	foliated	Mafic Volcanic. Dark green-grey, very fine-grained, moderately foliated. Abundant epidote alteration bands and stringers, foliation parallel (30 to 40 degrees to core axis). Very trace, very fine-grained disseminated pyrite. Chlorate alteration, weak and pervasive. Rare thin carbonate stringers. Lower contact sharp (~35 degrees to core axis).		epidote alteration	mod str	chlorite alteration	wk			py	0.01							vstcb	0.5		

MKL2003	33.2	33.65	0.45	Vvm mafic volcanic	M	green black	vfg	clastic or as clasts	Mafic Volcanic Breccia with Graphitic Argillite/Mudstone matrix with massive chlorite altered mafic volcanic intervals. Seems to be composed of chlorite altered mafic, and quartz clasts, coarse-sand to cobble, sub-rounded to sub-angular; with black graphitic argillite/mudstone infill matrix. Graphite occurs as wispy stringers in argillitic groundmass; as well as very trace disseminate chalcopyrite. Blebby to blebby discontinuous stringers of pyrite. Chlorite alteration of mafic clasts and argillitic alteration for mud matrix. Lower contact slight arbitrary.	cataclastic	chlorite alteration	wk mod	argillic alteration	wk mod			gp	5	py	2	cy	0.1									
MKL2003	27.65	36.66	9.01	Vvm mafic volcanic	M	grey black	vfg	foliated	Mafic Volcanic. Medium green-grey to grey black, very fine- to fine-grained, weakly to moderately foliated (40 to 60 degrees to core axis), locally massive. Abundant, roughly foliation parallel epidote alteration bands and irregular pods +/-chlorite +/-garnets +/- fine-gained disseminated pyrite, minor off sets in these bands/pods. Chlorite alteration, weak to moderate and pervasive; sericite alteration, weak and localized.		chlorite alteration	wk mod	epidote alteration	wk mod			py	0.1					vstcb	0.5								
MKL2003	36.66	36.8	0.15	Vvm mafic volcanic	M	grey black	vfg	clastic or as clasts	Brecciated Mafic Volcanic. Medium grey to grey black, with intermediate to mafic clasts, course sand to pebble, sub-rounded to sub-angular, with a mafic matrix. Trace fine-grained pyrite. Lower contact is slightly arbitrary.	cataclastic	chlorite alteration						py	0.05												
MKL2003	36.8	38.3	1.5	Vvm mafic volcanic	m	grey black	vfg	massive	Mafic Volcanic. Medium green-grey to grey black, very fine- to fine-grained, massive to weakly foliated. Rare epidote/chlorite +/-carbonate +/-garnets +/- fine-gained pyrite bands. Chlorite alteration, weak to moderate and pervasive. Broken cm-scale felsic dyke at 37.07 m. Rare carbonate and rare quartz veinlets. Lower contact in rubble		chlorite alteration	wk	epidote alteration	wk			py	0.1					vstcb	0.1	vqz	0.1				
MKL2003	38.3	40.95	2.66	Sag argillite	D	green black	vfg	clastic or as clasts	Intercalated graphitic argillite/mudstone with mafic volcanics (clasts(?)) and 'beds' of brecciated intervals. Graphic argillite/mudstones are: black, very fine-grained, massive to weakly/weakly foliated, graphite-rich (very thin wispy, irregular, lamination parallel(?)). Abundant blebby pyrite and discontinuous stringers/lens of blebby pyrite. Locally, trace chalcopyrite and sphalerite, occurring as short elongate whips/stringers. Mafic volcanics intervals are very dark green-black and pyritized with fine-grained to blebby, wavy to irregular laminations/strings of pyrite. Abundant clastic/brecciated 'beds', generally 10 cm-scale; clasts consists of mafic and chlorite altered mafic clasts and quartz clasts, ranging in size from medium-sand to pebbles, sub-rounded to sub-angular with a matric composed of mudstone (graphitic) +/- fine-grained sand. These classic bands are pyrite-rich, offline grained to blebby pyrite, as well as thin stringers as well as trace sphalerite and chalcopyrite in the matrix. Chlorite alteration, weak to moderate (predominantly associated with mafic intervals and clasts); Argillite alteration of mudstones. Internal contacts are irregular but generally sharp. Lower contact is broken.		chlorite alteration	wk mod	argillic alteration	wk mod			Gp	10	Cy	0.1	Sp	0.1									
MKL2003	40.95	43.65	2.7	Vvm mafic volcanic	M	grey black	vfg	weakly foliated	Mafic Volcanic. Medium to dark grey black, locally brown, very fine-grained, massive to weakly/moderately foliated. Minor epidote/chlorite +/-carbonate +/- pyrite +/-trace sphalerite, alteration bands. Rare carbonate-pyrite veinlets (generally 20 to 30 degrees to core axis, locally up to 45 degrees), locally with minor off-sets. Chlorite alteration, weak to moderate and pervasive. Lower contact in rubble.		chlorite alteration	wk mod	epidote alteration	wk			Sp	0.1	Py	0.5			vqc	1							
MKL2003	43.65	49.7	6.05	Carbonate Vein	L	white	vfg	clastic or as clasts	Carbonate vein. Carbonate vein with angular mafic volcanic clasts, blabby pyrite locally in mafic clasts and high concentration of blebby irregular pods of pyrite in fold nose and along bottom contact. Contacts sharp, irregular, locally with wispy stringers into host rock (20 to 30 degrees to core axis).		chlorite alteration	wk			Py	1														
MKL2003	43.75	49.7	5.95	Vvm mafic volcanic	M	grey black	vfg		Mafic Volcanic. Medium to dark grey black, locally brown, very fine-grained, massive to weakly/moderately foliated. Common, epidote/chlorite-pyrite +/-carbonate, irregular alteration bands/pods (deformed(?). Commo, mm-scale, carbonate-chlorite-blebby pyrite veinlets (20 to 30 degrees to core axis). Rare, pyrite seams/veinlets, locally discontinuous. Chlorite alteration, weak to moderate and pervasive; sericite alteration weak and localized.		epidote alteration	wk mod	chlorite alteration	wk mod	sericite alteration	wk	Py	0.5					vqcc	1.5							
MKL2003	49.7	50.4	0.7	Carbonate Vein	L	white	vfg	clastic or as clasts	Carbonate vein. Almost two separate carbonate veins, separated by mafic volcanic. Angular and elongate, mafic volcanic clasts occur at the edges of the carbonate veins. Minor chlorite stringers. 'Lower carbonate vein' has irregular shape/contacts.		chlorite alteration	wk																		
MKL2003	50.4	51.98	1.58	Vvm mafic volcanic	M	grey brown	vfg	massive	Mafic Volcanic. Medium brown to grey black, very fine-grained, massive to weakly foliated, with variable texture and colour. Rare, epidote/chlorite (+/-carbonate, +/- pyrite and trace sphalerite) alteration bands and pods (~60 degrees to core axis). Chlorite alteration; weak to locally moderate. Common, sub-mm carbonate, stringers, randomly oriented. Very trace, very fine-grained, disseminated pyrite. Lower contact, sharp.		chlorite alteration	wk	epidote alteration	wk			Sp	0.01	Py				vstcb	0.5							
MKL2003	51.98	58.54	6.56	Ggu granitic rock (undifferentiated) - granitoid	L	pink grey	mg	porphyritic or as phenocrysts	Undifferentiated granitic intrusive. Granodiorite(?). Light to medium pink to grey, medium-grained, massive to weakly porphyritic, with seriate texture, non-magnetic. Pink colour is likely the result of hematite/k-spar alteration. Common, hair-line chlorite filled fractures/stringers. Rare, carbonate-filled hair line fractures. Trace, very-fine grained disseminated pyrite. Lower contact becomes aphanitic with sharp contacts.		hematite alteration	wk mod	chlorite alteration	wk mod			py	0.75					vcb	0.5	vst	1.5					
MKL2003	58.54	60.95	2.41	Vvm mafic volcanic	M	grey	vfg	massive	Mafic Volcanic. Medium grey-black, very fine-grained, massive to very weakly foliated. Weak network of chlorite-epidote +/- carbonate, stringers/veinlets. Rare, irregular, thin veinlets of quartz, quartz carbonate stringers. Rear, chlorite-epidote-carbonate-blebby pyrite +/-garnet pods. Small, sub-cm to cm, healed breccia vein with quartz infill at 59.15 m. Chlorite alteration, weak and pervasive. Pyrite is typically associated with epidote/chlorite alteration network and pods, trace fine-grained to blebby pyrite in mafic volcanic. Lower contact, sharp, irregular and undulatory.		chlorite alteration	wk mod	epidote alteration	wk			py	1					vcb	0.75	vqc	0.75					
MKL2003	60.95	63.63	2.68	Ggu granitic rock (undifferentiated) - granitoid	M	pink	fmg	massive	Undifferentiated granitic intrusive. Granodiorite/diorite(?). Off-white to light pink, aphanitic to fine/medium grained, texturally variable intrusive rocks. Light-pink colour may be the result of hematite/k-spar alteration. Chlorite alteration, moderate and pervasive, of mafic mineral. Potential silica alteration of more fine-grained to aphanitic sections. Trace, interstitial fine-grained pyrite. Rare chlorite stringers and carbonate stringers. Lower contact is sharp and irregular.		hematite alteration	wk mod	chlorite alteration	wk mod	silica alteration	wk mod	py	0.75					vstcl	0.75	vstcb	0.75					
MKL2003	63.63	67.58	3.95	Vvm mafic volcanic	M	grey black	vfg	weakly foliated	Mafic Volcanic. Medium-grey, very fine- to fine-gained, predominately massive, locally very weakly foliated. Relatively common, cm-scale, pods to bands of chlorite-epidote-carbonate-blebby to euhedral pyrite; increase in the concentration of very fine-grained disseminated pyrite in the mafic volcanics around chlorite/epidote. Weak network of both: thin, veinlets of quartz-minor carbonate, generally 1 to 2 mm and thin, mm-scale epidote veinlets/stringers; both locally show mm-scale offsets. Trace, fine-grained disseminated pyrite in mafic volcanic. Lower contact sharp (60 degrees to core axis).		chlorite alteration	wk mod	epidote alteration	wk mod			py	2.5					vqc	1	vep	0.75					
MKL2003	67.58	68.23	0.66	Ggu granitic rock (undifferentiated) - granitoid	l	grey pink	fmg	massive	Undifferentiated granitic intrusive. Granodiorite/diorite(?). Off-white to very light pink, fine- to medium grained, massive, texturally variable intrusive rocks. Light-pink colour may be the result of hematite/k-spar alteration. Chlorite alteration, moderate and pervasive, of mafic mineral. Trace, interstitial fine-grained pyrite. Rare chlorite stringers and carbonate stringers. Lower contact is sharp slightly undulatory (80 degrees to core axis).		hematite alteration	v wk	chlorite alteration	wk mod			py	0.75					vstcl	1							
MKL2003	68.23	69.7	1.47	Vvm mafic volcanic	M	grey black	vfg	massive	Mafic Volcanic. Medium-grey, very fine- to fine-gained, predominately massive, locally very weakly foliated. Rare, cm-scale, pods to bands of chlorite-epidote-carbonate-blebby to euhedral pyrite Weak network of both: rare, thin, veinlets of quartz-minor carbonate, generally 1 to 2 mm and thin, mm-scale epidote veinlets/stringers and wispy epidote stringers. Minor, fine-grained to medium euhedral disseminated pyrite in mafic volcanic. Two oblong, carbonate-minor quartz, vein cross-section. Lower contact sharp and blocky irregular.		epidote alteration	wk mod	chlorite alteration	wk			py	2.5					vqc	1.5	vep	0.75					
MKL2003	68.23	69.85	1.62	Ggu granitic rock (undifferentiated) - granitoid	M	pink grey	fmg	massive	Undifferentiated granitic intrusive rock. Light pink to grey, aphanitic to fine/medium-grained, variably textured intrusive rock (granitoid - granodiorite (?)). Possible hematite/k-spar alteration/staining; chlorite alteration of mafic. Trace, fine-grained disseminated pyrite. Lower contact sharp and irregular (50 to 70 degrees to core axis).		hematite alteration	v wk	chlorite alteration	wk mod			py	0.3													
MKL2003	69.85	70.27	0.43	Vvm mafic volcanic	M	grey black	vfg	massive	Mafic Volcanic. Medium-grey, very fine- to fine-gained, predominately massive, locally very weakly foliated. Weak network of mm-scale epidote veinlets/stringers and rare wispy epidote stringers. Rare mm, scale, quartz-carbonate veinlets. Chlorite alteration, weak to moderate, pervasive. Relatively abundant fine- to medium-gained euhedral disseminated pyrite in mafic volcanic. Lower contact sharp (~50 degrees to core axis).		chlorite alteration	wk mod					py	2					vep	1	vqc	0.25					

MKL2003	70.27	73.5	3.23	Ggu granitic rock (undifferentiated) - granitoid	L	grey pink	fmg	massive	Undifferentiated granitic intrusive rock. Light pink to grey, aphanitic to fine/medium-grained, variably textured intrusive rock (granitoid - granodiorite (?)). Possible hematite/k-spar alteration/staining, locally appears silica flooded/ silica altered. Locally irregular carbonate veining. Trace, fine-grained disseminated pyrite. Minor mafic volcanic clasts. Lower contact sharp and irregular (50 to 70 degrees to core axis).		silica alteration	mod str	hematite alteration	wk			py	0.75				vcb	1		
MKL2003	73.5	78.05	4.55	Vvm mafic volcanic	M	grey black	vfg	foliated	Mafic Volcanic. Medium grey to green-black, very fine-grained, locally fine-grained, moderately foliated (45 to 60 degrees to core axis), locally massive. Relatively abundant, epidote-chlorite- +/- pyrite +/-carbonate +/-garnet +/-trace sphalerite alteration bands, generally foliation parallel. Rare, up to 10 cm, carbonate-chlorite +/-garnet veinlets. Relatively common, carbonate-minor quartz, sub-cm carbonate veins (20 degrees to core axis). Chlorite alteration, weak to moderate and pervasive. Semi-massive to massive, lens and pods of pyrite and lesser pyrrhotite, between 75.43 and 75.90 m in weakly foliated to massive mafic volcanics Lower contact, sharp, slightly undulatory (30 to 40 degrees to core axis).		chlorite alteration	wk mod			Py	0.5				vcb	5	vqc	1
MKL2003	78.05	78.2	0.16	Ggu granitic rock (undifferentiated) - granitoid	M	white pink	vfg	massive	Undifferentiated granitic intrusive rock. Off white to light red-pink, aphanitic to very fine-grained. Hematite stained(?). Silica alteration, strong and pervasive. Rare carbonate stringers and chlorite stringers. Lower contact sharp and irregular.		hematite alteration	wk mod	silica alteration	str						vstcb	0.1	vstcl	0.3
MKL2003	78.2	79.16	0.96	Vvm mafic volcanic	M	grey black	vfg	massive	Mafic Volcanic. Medium grey to green-black, very fine-grained, massive to locally weakly foliated near contacts. Common, carbonate-quartz stringers and veinlets, commonly with mm-scale offsrs. Chlorite alteration, weak and pervasive. Trace, fine-grained euhedral pyrite. Lower contact sharp.		chlorite alteration	wk			py	0.3				vqc	1		
MKL2003	79.16	79.4	0.25	Ggu granitic rock (undifferentiated) - granitoid	M	pink grey	vfg	massive	Undifferentiated granitic intrusive rock. Off white to light red-pink, aphanitic to very fine-grained. Hematite stained(?). Silica alteration, strong and pervasive. Rare carbonate veinlets and discontinuous stringers. Very trace fine-grained disseminated pyrite. Lower contact sharp and irregular.		hematite alteration	wk	silica alteration	mod str			py	0.1				vcb	1		
MKL2003	79.4	80.68	1.28	Vvm mafic volcanic	M	grey green	vfg	massive	Mafic Volcanic. Medium grey black, very fine-grained, massive to weakly foliated. Common, discontinuous carbonate-chlorite veins, sub-cm to cm-scale; as well as thing discontinuous stringers of carbonate. Chlorite alteration, weak to moderate and pervasive. Abundant pyrite, fine/medium-grained euhedral to blebby, locally occurring in discontinuous bands to strings. Lower contact arbitrary.		chlorite alteration	wk mod			py	3				vcb	5		
MKL2003	80.68	83.6	2.92	Ggb gabbro	M	green grey	fg	massive	Gabbro. Medium to dark green grey, fine-grained, equigranularity, massive, locally very weakly magnetic. Clay alteration of broken fragments. Chlorite alteration, moderate and pervasive. Trace blebby, fine-grained pyrite. Likely fault/re-activated fault.	faulted/fault	clay alteration	wk	chlorite alteration	wk mod			py	0.05							
MKL2003	83.6	90.3	6.7	Ggb gabbro	M	green grey	fg	massive	Gabbro. Dyke. Medium to dark green grey, fine-grained, equigranularity, massive, locally very weakly magnetic. Chlorite alteration, moderate and pervasive. Very trace fine-grained disseminated pyrite. Rare, fracture fill carbonate veins. Lower contact, chill-margin, sharp		chlorite alteration	wk mod			py	0.01				vcb	0.5		
MKL2003	90.3	90.84	0.55	Vvm mafic volcanic	D	grey green	vfg	weakly foliated	Mafic Volcanic. Dark grey green, very fine-grained, massive to weakly foliated, near upper contact. Chlorite alteration, weak to moderate and pervasive. Rare chlorite-epidote-carbonate-garnet alteration bands. Lower contact arbitrary.		chlorite alteration	wk mod	epidote alteration	v wk										
MKL2003	90.84	94.96	4.12	Vvm mafic volcanic	D	green black	fg	weakly foliated	Mafic Volcanic. (May possible be conformable (?) gabbro(?), or coarse-grained flow). Dark grey-green, fine-grained, weakly foliated (40 to 50 degrees to core axis). Common carbonate stringers and quartz-carbonate stingers (~35 degrees to core axis and seemingly perpendicular to each other). Brecciated quartz vein between 92.50 and 92.74 m (20 to 30 degrees to core axis) and small quartz-infill breccia vein at 93.19 m. Rare quartz veins, sub-cm scale (40 to 50 degrees to core axis, parallel to fabric). Rare quartz - pink-carbonate - chlorite bands/veins, cm-scale (40 to 50 degrees to core axis, parallel to fabric). Chlorite alteration of mafics, moderate and pervasive, sericite alteration of plagioclase, weak and pervasive. Trace, fine-grained disseminated pyrite. Lower contact arbitrary.		chlorite alteration	wk mod	sericite alteration	v wk			py	0.3				vqz	1.5	vqc	0.5
MKL2003	94.96	99.82	4.86	Vvm mafic volcanic	M	grey black	vfg	foliated	Mafic Volcanic. Medium grey-black, very fine-grained, massive to very weakly/moderately foliated. Common foliation parallel light grey-black, foliation parallel, bands (chlorite alteration). Rare quartz-epidote/chlorite-carbonate +/-pyrite, veins/bands (foliation parallel(?)). Common, cm- to deca-centimeter scale bands of light olive-green alteration(?) bands Common, thin, mm-scale facture fill quartz/quartz-carbonate veinlets. Chlorite alteration, weak and pervasive. Very trace disseminated pyrite.		chlorite alteration	wk	epidote alteration	wk mod			py	0.01				vqz	1.5	vqc	0.25
MKL2003	99.82	100.12	0.31	Ggu granitic rock (undifferentiated) - granitoid	L	Pink	fmg	massive	Undifferentiated granitic intrusive rock Light to medium pink, very fine- to coarse grained, variably textured. Hematite stained(?), weak silica alteration/flooding(?), chlorite alteration of mafic grains. Discontinuous chlorite stringers. Minor/trace interstitial pyrite (replacement(?)). Lower contact sharp (70 degrees to core axis).		hematite alteration	wk	chlorite alteration	wk	silica alteration	wk	py	0.2				vstcl	0.1		
MKL2003	100.12	111.63	11.51	Vvm mafic volcanic	M	grey black	vfg	foliated	Mafic Volcanic. Dark green-black, very fine-grained, moderrnly foliated (40 to 50 degrees to core axis); with abundant foliation parallel, half-centimetre to two centimetre alteration bands, grey-green, chlorite/+/-epidote alteration bands. Rare, mm-scale quartz (+/- carbonate) and minor pyrite veinlets (20 to 30 degrees to core axis.		chlorite alteration	wk mod			py	0.1				vqz	0.1	vstcb	0.1
MKL2003	111.63	112.82	1.19	Vvm mafic volcanic	D	grey black	vfg	massive	Mafic Volcanic. Medium to dark grey black, very fine-grained, massive. Irregular pink felsic-intrusive near bottom contact. Rare, irregular quartz lets. Chlorite alteration, weak and pervasive. Trace/minor fine-grained discontinuous, locally irregular, stringers of pyrite, very traces chalcopyrite associated with pyrite. Lower contact, slightly undulatory and sharp		chlorite alteration	wk			py	0.2				vqz	0.1		
MKL2003	112.82	113.11	0.3	Vvm mafic volcanic	M	grey black	vfg	clastic or as clasts	Mafic Volcanic Breccia with Graphitic Argillite/Mudstone matrix. Seems to be composed of chlorite altered, mafic and carbonate (+/- pyrite) clasts, coarse-sand to pebble, sub-rounded to sub-angular; with black graphitic argillite/mudstone infill matrix. Graphite occurs as wispy stringers in argillitic groundmass, abundant fine-grained pyrite in matrix and trace chalcopyrite. Chlorite alteration of mafic clasts and argillitic alteration for mud matrix. Lower contact sharp (50 degrees to core axis).	cataclastic	chlorite alteration	wk mod	argillic alteration	wk mod			cy	0.01	py	0.5				
MKL2003	113.11	117.92	4.81	Vvm mafic volcanic	M	grey black	vfg	foliated	Mafic Volcanic. Medium grey to grey-black, very fine-grained, moderately to well foliated (45 to 55 degrees to core axis). Abundant foliation parallel chlorite/epidote(?), dominantly half-centimeter to centimetre scale green-grey alteration bands; large bands (< 5 cm) +/- carbonate, +/-garnet, +/- blebby pyrite and minor sphalerite. Quartz veinlets, minor chlorite and pyrite (10 to 20 degrees to core axis), locally causing minor, mm-scale off sets in alteration bands. Lower contact sharp with intrusive dyke.		epidote alteration	wk mod	chlorite alteration	wk mod			sp	0.05	py	1			vqch	1		
MKL2003	117.92	118.11	0.19	Ggu granitic rock (undifferentiated) - granitoid	M	pink	fmg	massive	Undifferentiated granitic intrusive rock Light to medium pink, very fine- to coarse grained, variably textured. Hematite stained(?), weak silica alteration/flooding(?). Discontinuous chlorite stringers. Trace interstitial pyrite (replacement(?)). Lower contact sharp (50 to 60 degrees to core axis).		hematite alteration	wk mod	silica alteration	wk mod			py	0.01				vstcl	0.1		
MKL2003	118.11	118.8	0.69	Guu igneous rock (undifferentiated)	M	grey	vfg	massive	Intermediate to mafic dyke (?). Medium grey, very fine- to fine-grained, massive to weakly foliated. Very fine-grained plagioclase grains. Trace very fine-grained disseminated pyrite. Sharp lower contact (70 degrees to core axis.		chlorite alteration	wk			py	0.1							

MKL2003	118.8	126.57	7.77	Vvm mafic volcanic	M	grey green	vfg	foliated	Mafic Volcanic. Medium green-grey to medium grey black, very fine-grained, moderately foliated (50 to 60 degrees to core axis), locally massive. Abundant, generally foliation parallel, bands and pods (1 to 10 mm, averaging 3 to 5 mm), grey-green epidote +/- chlorite alteration band, larger bands (generally <10 mm) +/- carbonate +/- rare garnet +/- blebby pyrite and trace sphalerite alteration. Trace very fine- to fine-gained disseminate pyrite. Rare, mm-scale, quartz-carbonate +/- trace pyrite veinlets (10 to 20 degrees to core axis), both perpendicular and sub parallel to core axis; locally these quartz-carbonate veinlets cause mm-scale offsets in alteration bands. Rare 1 to 2 cm quartz-carbonate-chlorite vein, perpendicular to fabric, irregular almost parallel to core axis. Chlorite alteration; moderate and pervasive; sericite alteration, weak to moderate and localized. Rare, 1 to 5 cm, pink granitic dykes. Lower contact broken but seems sharp.		epidote alteration	mod str	chlorite alteration	mod	sericite alteration	wk	sp	0.01	py	1			vqc	1	vqcc	1
MKL2003	126.57	126.77	0.21	Sct chert	M	brown grey	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (50 to 60 degrees to core axis). Relatively abundant, very fine-grained; disseminated pyrite, locally occurring as disseminated stringers/seams between beds, seemingly associated with chlorite. Lower contact slightly arbitrary and gradational.								Py	0.5					vstcl	0.5		
MKL2003	126.77	128.77	2.01	Sag argillite	D	black	vfg		Graphitic Argillite/Mudstone. Black, aphanitic to very fine-grained, moderately to well laminated (~50 to 60 degrees to core axis). Abundant, semi-massive to massive lens/stringers of roughly foliation parallel, blebby-disseminated pyrite/pyrrhotite. Rare, mm-scale quartz vein, parallel to core axis. Upper and Lower contact are slightly more grey, still well laminated with sulphide laminations. (potentially minor mafic volcanic intercalations, cryptic); lower contact is slightly gradational and arbitery.	laminated	argillic alteration	mod	chlorite alteration	wk			Gp	7.5	Py	3			vqc	0.1		
MKL2003	128.77	131.19	2.42	Vvm mafic volcanic	M	green grey	vfg	foliated	Mafic Volcanic. Medium grey to green-grey, very fine-grained modernly foliated (~60 degrees to core axis). Common foliation parallel, light-green, chlorite/epidote +/- pyrite alteration bands and irregular pods. Relatively common, mm-scale, quartz-minor carbonate-pyrite veinlets, locally step kinked, cutting fabric (20 to 30 degrees to core axis); locally causing mm-scale offsets in alteration bands. Breccia associate with quartz-carbonate-pyrite veinlets at 130 m. Rare, semi-massive bands of pyrite, 0.5 to 3 cm. One, more massive, band between 130.82 and131 m, may be a dyke(?). Lower contact sharp.		epidote alteration	wk mod	chlorite alteration	mod			Py	1					vqc	0.5		
MKL2003	131.19	131.4	0.22	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~50 to 60 degrees to core axis). Very very fine-grained disseminated pyrite, forming weak stringers, parallel to bedding. Minor chlorite alteration bands. Lower contact sharp.		chlorite alteration	wk					Py	0.5								
MKL2003	131.4	131.89	0.49	Vvm mafic volcanic	M	grey black	vfg	foliated	Mafic Volcanic. Medium grey to green-grey, very fine-grained modernly foliated (~50 to 60 degrees to core axis). Common foliation parallel, light-green, chlorite/epidote +/- pyrite alteration bands and irregular pods. Common, mm-scale, quartz-minor carbonate-pyrite veinlets, cutting fabric (20 to 30 degrees to core axis). Chlorite alteration, weak to moderate and pervasive; Sericite alteration, weak and localized. Blebby pyrite associated with alteration bands and trace very fine-grained disseminated pyrite in mafic volcanic. Lower contact sharp.		chlorite alteration	wk mod	sericite alteration	wk			Py	0.3					vqc	0.5		
MKL2003	131.89	132.15	0.27	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~50 to 60 degrees to core axis). Very very fine-grained disseminated pyrite, forming weak stringers, parallel to bedding. Minor chlorite alteration bands. Lowered contact sharp.		chlorite alteration	wk					Py	0.5								
MKL2003	132.15	132.34	0.19	Sag argillite	D	grey black	vfg		Graphitic Argillite/Mudstone. Black, aphanitic to very fine-grained, moderately to well laminated (~50 to 60 degrees to core axis). Common, semi-massive lens/stringers of roughly foliation parallel, blebby-disseminated pyrite/pyrrhotite.	laminated	argillic alteration	mod					Cp	0.01	Py	2.5						
MKL2003	132.34	132.54	0.2	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~50 to 60 degrees to core axis); minor intercalated argillite band. Fine-grained disseminated pyrite, locally forming a weak net-texture, locally fracture fill and weak stringers parallel to bedding. Weak, rusty-red, hematite-staining. Minor chlorite alteration bands. Lowered contact sharp.		chlorite alteration	wk mod	hematite alteration	wk			Py	5					vst	0.5		
MKL2003	132.54	134.62	2.09	Sgw greywacke	M	grey	vfgfg	massive	Greywacke(?). Medium grey, massive with what appears to be course-sand to granules, locally what appears to be cobbles, sub-rounded to sub- angular, with a hazy appearance . Weak, localized, hematite . And weak chlorite alteration(?). Fracture-fill carbonate veining. Trace fine-grained disseminated pyrite. Lower contact is sharp (70 degrees to core axis).		hematite alteration	v wk	chlorite alteration	wk			py	0.2					vstcb	0.3		
MKL2003	134.62	135.03	0.41	Sag argillite	D	grey black	vfg		Graphitic Argillite/Mudstone. Black, aphanitic to very fine-grained, moderately to well laminated (~60 degrees to core axis). Common, semi-massive lens/stringers of roughly foliation parallel, blebby-disseminated pyrite/pyrrhotite, as well as, fine-grained disseminated stringers. Common quartz augend/clasts, with blebby pyrite around rims, sub-parallel to laminations. Lower contact sharp (60 degrees to core axis).	laminated	argillic alteration	wk mod					gp	5	py	5						
MKL2003	135.03	135.30	0.28	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~60 to 70 degrees to core axis); minor intercalated mafic volcanic band. Fine-grained disseminated pyrite, locally forming stringers parallel to bedding and concentrated in chlorite altered mafic volcanics. Minor chlorite alteration of mafic volcanics. Lowered contact slightly arbitrary.		chlorite alteration	wk mod					py	1								
MKL2003	135.3	135.68	0.38	Vvm mafic volcanic	D	grey black	vfg	foliated	Mafic Volcanic. Medium grey black to green-grey, very fine-grained modernly foliated (~50 to 60 degrees to core axis). Common foliation parallel, light gre7 green bands. Chlorite alteration, weak to moderate and pervasive. Trace blebby pyrite associated with alteration bands and trace very fine-grained disseminated pyrite in mafic volcanic. Lower contact slightly arbitrary.		chlorite alteration	wk					py	0.1								
MKL2003	135.68	135.85	0.17	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~60 degrees to core axis); minor intercalated mafic volcanic band. Fine-grained disseminated pyrite, locally forming stringers parallel to bedding and concentrated in chlorite altered mafic volcanics. Minor chlorite alteration of mafic volcanics. Lowered contact sharp.		chlorite alteration	wk mod					py	1.5								
MKL2003	135.85	136.42	0.57	Sag argillite	D	black	vfg		Graphitic Argillite/Mudstone. Black, aphanitic to very fine-grained, moderately to well laminated (~60 degrees to core axis). Common, semi-massive lens/stringers of roughly foliation parallel, blebby-disseminated pyrite/pyrrhotite, as well as, fine-grained disseminated stringers; trace fine-grained stringers of sphalerite. Lower contact sharp (60 degrees to core axis).	laminated	argillic alteration	wk mod					gp	5	sp	0.1	py	3				
MKL2003	136.42	136.47	0.06	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~60 degrees to core axis). Abundant fine-grained disseminated pyrite. Lowered contact slightly arbitrary.								py	0.75								
MKL2003	136.47	138.98	2.51	Vvm mafic volcanic	M	grey black	vfgfg	foliated	Mafic Volcanic. Medium grey black to green-grey, very fine-grained modernly foliated (~50 to 60 degrees to core axis). Common foliation parallel, light grey-green bands. Chlorite alteration, weak to moderate and pervasive; sericite alteration, localized and weak. Trace blebby pyrite associated with alteration bands and trace very fine-grained disseminated pyrite in mafic volcanic. Common carbonate veinlets, slightly undulate (20 to 30 degrees to core axis). Lower contact slightly arbitrary.		chlorite alteration	wk mod	sericite alteration	wk			py	3					vqz	0.5	vcb	0.5
MKL2003	138.98	139.20	0.22	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~60 degrees to core axis); minor intercalated mafic volcanic band. Fine-grained disseminated pyrite pyrrhotite, locally forming stringers parallel to bedding, and forming massive pods roughly parallel to core axis Minor chlorite alteration of mafic volcanics. Lowered contact slightly arbitrary.		chlorite alteration	wk mod					py	10								

MKL2003	139.2	139.83	0.64	Vvm mafic volcanic	M	grey black	vfg	massive	Mafic Volcanic. Medium grey black to green-grey, very fine-grained modernly foliated (~50 to 60 degrees to core axis). Common foliation parallel, light grey-green bands. Chlorite alteration, weak to moderate and pervasive; sericite alteration, localized and weak. Trace blebby pyrite associated with alteration bands and trace very fine-grained disseminated pyrite in mafic volcanic. Rare carbonate fracture fill carbonate stringers. Lower contact sharp.		chlorite alteration	wk mod	sericite alteration	wk		py	0.1	py	0.1			vcb	2
MKL2003	139.83	139.97	0.14	Carbonate Vein	L	white	vfg		Carbonate - (lesser quartz) - chlorite, sheared vein, that is brecciated (carbonate clasts, angular) in the fold nose. Trace, fine-grained disseminated pyrite and blebby sphalerite.	sheared	chlorite alteration	wk mod				sp	0.1					vcb	95
MKL2003	139.97	143.75	3.78	Vvm mafic volcanic	M	grey black	vfg	bedded/bedding general	Mafic Volcanics, with minor intercalated sub-cm to cm chert bands. Medium grey black to green-grey, very fine-grained modernly foliated (~50 to 60 degrees to core axis). Common foliation parallel, light grey-green bands. Chlorite alteration, weak to moderate and pervasive; sericite alteration, localized and weak. Trace blebby pyrite associated with alteration bands and trace very fine-grained disseminated pyrite in mafic volcanic. Abundant, fine, mm-scale, carbonate (lesser quartz) (10 to 30 degrees to core axis). Lower contact slightly arbitrary and foliation parallel.		chlorite alteration	wk mod	sericite alteration	wk		py	0.1					vcb	1
MKL2003	143.75	144.00	0.25	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~60 degrees to core axis). Fine-grained blebby pyrite/pyrrhotite. Rare, fracture-fill carbonate veins. Lowered contact slightly arbitrary.							py	1					vstcb	0.1
MKL2003	144	144.25	0.25	Sag argillite	D	black	vfg		Graphitic Argillite/Mudstone. Black, aphanitic to very fine-grained, moderately to well laminated (~60 degrees to core axis). Common, semi-massive lens/stringers of roughly foliation parallel, blebby-disseminated pyrite/pyrrhotite. Lower contact sharp (50 degrees to core axis).	laminated	argillic alteration	wk mod				py	5						
MKL2003	144.25	144.42	0.17	Sct chert					Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~60 degrees to core axis). Fine-grained blebby stringers of pyrite/pyrrhotite. Rare, fracture-fill carbonate veins. Lowered contact slightly arbitrary.							py	5					vstcb	0.1
MKL2003	144.42	144.58	0.17	Vvm mafic volcanic	M	grey black	vfg	massive	Mafic Volcanic. Medium grey to grey black, massive. Chlorite alteration an sericite alteration, weak to moderate and pervasive. Common stringers of pyrite.		chlorite alteration	wk mod	sericite alteration	wk mod		py	2					vstcb	0.5
MKL2003	144.58	145.30	0.72	Sag argillite	D	Black	vfg		Graphitic Argillite/Mudstone, with cm-scale interbeds of chert near top of interval. Black, aphanitic to very fine-grained, moderately to well laminated (~60 degrees to core axis). Abundant, semi-massive lens/stringers of roughly foliation parallel and blebby-disseminated pyrite/pyrrhotite. Lower contact in rubble.	laminated	argillic alteration	wk				py	15						
MKL2003	145.3	145.80	0.5	Sct chert	M	grey brown	vfg	bedded/bedding general	Chert. Medium grey to grey-brown, aphanitic, weak to moderate, cm-scale bedding (~60 degrees to core axis). Fine-grained disseminated stringers of pyrite/pyrrhotite. Rare, fracture-fill carbonate veins. Lowered contact slightly arbitrary.							py	5						
MKL2003	145.8	147.00	1.2	Sag argillite	D	black	vfg		Graphitic Argillite/Mudstone. Black, aphanitic to very fine-grained, moderately to well laminated (~60 degrees to core axis). Common, semi-massive lens/stringers of roughly foliation parallel, blebby-disseminated pyrite/pyrrhotite, as well as, fine-grained disseminated stringers. Rare, fracture fill stringers with fine-grained pyrite. E.O.H. 147 m	laminated	argillic alteration	wk				py	7.5					vst	0.5
MKL2004	3.75	22.00	18.25	Ggu granitic rock (undifferentiated) - granitoid	L	pink	mg	massive	Granodiorite. Light pink. Medium grained, inequigranular, massive. Predominantly feldspar with lessor quartz and moderate to significant biotite/chlorite. Rock is overall competent with minor natural fractures. Biotite is predominantly altered to chlorite, along with minor chlorite seams and stringers. No significant mineralization or veining. Lower contact ~80dtca.		chlorite alteration	mod											
MKL2004	22	29.00	7	Vvm mafic volcanic	M	green black	fg	foliated	Mafic volcanics. Medium to dark grey/green. Fine grained, massive with localities of weak foliation. Several brittle faults offsetting cm scale granodiorite and quartz chlorite veins by ~5cm. Moderate biotite altering to chlorite throughout the unit. Trace disseminated/blotchy pyrite throughout. Several cm scale irregular veins zoned with quartz carbonate, garnet and chlorite moving outwards. Lower contact 80dtca.		chlorite alteration	mod				py	0.1					vqc	0.1
MKL2004	29	33.65	4.65	Ggu granitic rock (undifferentiated) - granitoid	L	pink	mg	massive	Granodiorite. Light pink/black. Medium grained, inequigranular, massive. Predominantly feldspar with lesser quartz and minor Biotite/chlorite and one 1m zone of significant biotite/chlorite between two 5-10cm light pink granitic intrusions from 30.15 to 31.35. Biotite has predominantly altered to chlorite. Cm scale pink granitic intrusions host minor blotchy pyrite, with trace disseminated pyrite throughout the rest of the unit. No significant veining. Lower contact 30dtca.		chlorite alteration	mod				py	0.5						
MKL2004	33.65	44.30	10.65	Vvm mafic volcanic	M	green black	fg	foliated	Mafic volcanics. Medium to dark grey/green. Fine grained, massive with localities of weak foliation associated with heightened biotite and chlorite (overall moderate biotite and chlorite alteration). Trace blebby pyrite. Several cm scale irregular veins zoned with quartz carbonate, garnet and chlorite moving outwards, trace cm scale quartz carbonate veins hosting minor sphalerite, and one 10cm barren quartz/felsic vein at 35.5 m. Lower contact 30dtca		chlorite alteration	mod	biotite alteration	mod		py	0.5						
MKL2004	44.3	47.00	2.7	Ggu granitic rock (undifferentiated) - granitoid	L	pink orange	mcg	massive	Felsic - intermediate intrusive. Light pink to orange, medium to coarse grained, massive and competent. Primarily feldspar with very minor quartz and trace biotite. Potassium or possibly iron ateration? of feldspars. Trace to minor disseminated galena throughout unit. No significant veining. Lower contact 30dtca		potassic	mod str				ga	0.5						
MKL2004	47	58.10	11.1	Vvm mafic volcanic	M	green	fg	foliated	Mafic volcanics with minor chert intercalation. Medium green, fine grained, moderately well foliated, overall competent with one 3cm carbonate infilled fault breccia at 49.4 hosting minor sphalerite and pyrite. Chert intercalations are fine grained and light purple, ranging in size from cm scale to sub m scale, and have well defined cm scale beds. Moderate chlorite alteration. Trace disseminated fine grained pyrite. No significant veining. Lower contact 80dtca.	brecciated	chlorite alteration	mod				py	0.1	sp	0.1			vcb	0.5
MKL2004	58.1	59.10	1	Ggu granitic rock (undifferentiated) - granitoid	L	pink orange	mg	massive	Granodiorite. Light pink/black. Medium grained, inequigranular, massive, competent. Predominantly feldspar with lesser quartz and moderate Biotite/chlorite. Moderate potassic or iron alteration of feldpars, biotite has predominantly altered to chlorite. Trace fine grained disseminated pyrite and mm sale pyrite stringers throughout. 20cm white quartz vein hosting minor pyrrhotite at lower contact splitting Ggu from Vvm. Lower contact 30dtca		potassic	mod str	chlorite alteration	mod		py	0.1	po	0.1			vqz	20
MKL2004	59.1	61.55	2.45	Vvm mafic volcanic	M	green	fg	foliated	Mafic volcanics with minor chert intercalation. Medium green, fine grained, moderately well foliated, overall competent with several healed faults offsetting quartz veins by 1cm. Cm scale chert intercalations are fine grained and light purple, and have well defined cm scale beds. Moderate chlorite alteration. Trace stratiform pyrrhotite>pyrite stringers. Several cm scale boudined white quartz veins hosting minor pyrrhotite>pyrite. Lower contact 80dtca.	faulted/fault	chlorite alteration	mod				po	0.5	py	0.1			vqz	10
MKL2004	61.55	61.95	0.41	Smd mudstone	L	grey	vfg	bedded/bedding general	Mudstone. Light grey, very fine grained, well bedded/laminated, overall competent. Minor chlorite alteration seen in cm scale irregular quartz rich bands (altered veins?). Trace to minor stratiform pyrrhotite>pyrite. Lower contact 50dtca.		chlorite alteration	wk				po	0.5	py	0.1				
MKL2004	61.95	62.15	0.2	Massive Sulphide			vfg		Massive sulphide. Very fine grained to fine grained, predominantly anhedral pyrrhotite with lesser subhedral pyrite and trace chalcopyrite replacing pyrite. Cm scale rounded clasts of mudstone hosted throughout massive sulphides. Lower contact 50dtca.	brecciated						po	70	py	10	cp	1		

MKL2004	62.15	66.85	4.7	Smd mudstone	L	grey	vfg	bedded/bedding general	Mudstone. Alternating light to medium grey and purple bands, very fine grained, well bedded/laminated, overall competent. Minor chlorite alteration seen in cm scale irregular quartz rich bands (altered veins?). 10cm white quartz vein hosting trace sphalerite and pyrrhotite at 65.2m. Trace to minor stratiform pyrrhotite>pyrite. Lower contact 50dtca.		chlorite alteration	wk			po	0.5	py	0.5	sp	0.1	vqz	2										
MKL2004	66.85	67.70	0.86	Ggu granitic rock (undifferentiated) - granitoid	L	pink orange	mcg	massive	Felsic - intermediate intrusive. Light pink to orange, medium to coarse grained, massive and competent with one 5cm barren carbonate healed fault breccia 67.45m. Primarily feldspar with minor quartz and trace biotite. Potassium or possibly iron alteration? of feldspars No significant mineralisation or veining. Lower contact is rubbly and 30dtca.																						
MKL2004	67.7	68.33	0.63	Massive Sulphide			vfg		Massive sulphide. Very fine grained to fine grained, predominantly anhedral pyrrhotite with lesser subhedral pyrite often forming as blebs within the pyrrhotite and trace chalcopyrite replacing pyrite. Cm scale sub angular clasts of mudstone hosted throughout massive sulphides. Lower contact 80dtca.	brecciated					po	50	py	5	cp	0.5										
MKL2004	68.33	69.32	0.99	Smd mudstone	M	grey	vfg	bedded/bedding general	Mudstone. Light to medium grey, very fine grained, well bedded/laminated, overall competent. No significant alteration. Moderate cm scale bands of fine grained pyrrhotite>pyrite and trace chalcopyrite are splitting beds of mudstone and infilling fractures. Lower contact is irregular at ~90dtca.						po	15	py	1	cp	0.5										
MKL2004	69.32	75.22	5.91	Gdr diorite		white	mcg	massive	Quartz diorite. "Salt and pepper" colouring, massive, inequigranular and competent overall. Predominantly feldspar with very minor quartz, and moderate biotite/chlorite. Biotite is predominantly altered to chlorite, very minor epidote alteration of feldspar grains. Trace fine grained disseminated pyrite throughout. No significant veining. Lower contact 55dtca.		chlorite alteration	mod			py	0.1															
MKL2004	75.22	80.70	5.48	Smd mudstone	L	grey	vfg	bedded/bedding general	Mudstone. Light to medium grey, very fine grained, well bedded/laminated with significant folds (soft sediment deformation?) overall competent. No significant alteration. Moderate cm scale bands of fine grained pyrrhotite>pyrite and trace chalcopyrite are splitting beds of mudstone and infilling fractures. Lower contact is irregular at ~90dtca.						po	10	py	5	cp	0.1										
MKL2004	80.7	81.83	1.13	Gdr diorite		white	mcg	massive	Quartz diorite. "Salt and pepper" colouring, massive, inequigranular and competent overall. Predominantly feldspar with very minor quartz, and moderate biotite/chlorite. Biotite is predominantly altered to chlorite, very minor epidote alteration of feldspar grains. Trace fine grained disseminated pyrite throughout. No significant veining. Lower contact 55dtca.						py	0.1														
MKL2004	81.83	82.95	1.12	Ggu granitic rock (undifferentiated) - granitoid	L	pink orange	mcg		Granodiorite. Light pink/white. Medium grained, inequigranular, massive, competent. Predominantly feldspar with lesser quartz and very minor Biotite. Minor to moderate potassic or iron alteration of feldspars. 20cm of rubble at 82.1m, mostly quartz vein fragments hosting minor pyrrhotite on fracture faces. Lower contact 30dtca						po	0.5														
MKL2004	82.95	84.00	1.05	Smd mudstone	M	grey	vfg	bedded/bedding general	Mudstone. Light to medium grey, poorly defined irregular beds and laminae, overall competent. No significant alteration. Minor pyrrhotite>pyrite infilling fractures. No significant veining						po	2	py	0.5										
MKL2004	84	93.90	9.91	Gdr diorite		white	mcg	massive	Quartz diorite. "Salt and pepper" colouring, massive, inequigranular, moderately fractured from 84m to 88.6m. Predominantly feldspar with very minor quartz, and moderate biotite/chlorite. Biotite is predominantly altered to chlorite, very minor epidote alteration of feldspar grains, weak increase of potassic alteration starting at 88m seen as cm scale bands. Trace fine grained disseminated pyrite throughout. No significant veining. Lower contact 55dtca.		chlorite alteration	mod			py	0.1															
MKL2004	93.9	94.15	0.25	Vvm mafic volcanic	M	green	fg	foliated	Mafic volcanics. Medium green, fine grained, foliated, competent.																						
MKL2004	94.15	94.70	0.55	Ggu granitic rock (undifferentiated) - granitoid	L	pink orange	mcg	massive	Felsic - intermediate intrusive. Light pink to orange, medium to coarse grained, massive and competent. Primarily feldspar with minor quartz and trace biotite. Potassium or possibly iron alteration? of feldspars. 15cm barren white quartz vein at upper contact. Lower contact is rubbly and 45dtca.																					
MKL2004	94.7	129.84	35.14	Vvm mafic volcanic	m	green	fg	foliated	Mafic volcanics with minor chert intercalation. Medium green, fine grained, moderately well foliated, overall competent with one 20cm quartz infilled fault breccia at 128.6m. Chert intercalations are fine grained and light purple, ranging in size from cm scale to m scale, and have well defined cm scale beds. Moderate chlorite alteration and cm scale bands of biotite. Several white quartz carbonate veins ranging from 5cm to 40cm, hosting trace pyrrhotite with lesser pyrite and occasionally trace sphalerite, along with one cm scale zoned quartz/garnet/chlorite veins. Lower contact 80dtca.	brecciated	chlorite alteration	mod			po	0.3	py	0.1	sp	0.1	vqc	2	vqz	0.1						
MKL2004	129.84	130.65	0.82	Gdr diorite		white	mcg	massive	Quartz diorite. "Salt and pepper" colouring, massive, inequigranular, competent overall. Predominantly feldspar with very minor quartz, and moderate biotite/chlorite. Biotite is predominantly altered to chlorite, very minor epidote alteration of feldspar grains, minor potassic alteration of feldspar. No significant mineralization or veining. Lower contact 70dtca.																					
MKL2004	130.65	132.21	1.56	Vvm mafic volcanic	m	green	fg	foliated	Mafic volcanics with minor chert intercalation. Medium green, fine grained, moderately well foliated, overall competent. Chert intercalations are fine grained and light purple and have well defined cm scale beds. Moderate chlorite alteration and trace biotite. No significant veining or mineralization. Lower contact 80dtca.																					
MKL2004	132.21	133.70	1.49	Gdr diorite		white	mcg	massive	Quartz diorite. "Salt and pepper" colouring, massive, inequigranular, competent overall. Predominantly feldspar with very minor quartz, and moderate biotite/chlorite. Biotite is predominantly altered to chlorite, very minor epidote alteration of feldspar grains, minor potassic alteration of feldspar. No significant mineralization or veining. Lower contact 70dtca.																					
MKL2004	133.7	161.96	28.26	Vvm mafic volcanic	M	green	fg	foliated	Mafic volcanics with minor chert intercalation. Medium green, fine grained, moderately well foliated, overall competent with on cm scale carbonate healed breccia at 140.4m. Chert intercalations are fine grained and light purple and have well defined cm scale beds. Moderate chlorite alteration and trace biotite. No significant veining or mineralization. Lower contact 80dtca.		chlorite alteration	mod	biotite alteration	tr	py	0.1					vqc	0.1									
MKL2004	161.96	163.10	1.14	Ggu granitic rock (undifferentiated) - granitoid	L	pink orange	mcg	massive	Felsic - intermediate intrusive. Light pink to orange, medium to coarse grained, massive and competent. Primarily feldspar with minor quartz and trace biotite. Potassium or possibly iron alteration? of feldspars No significant mineralization or veining. Lower contact is 60dtca.		potassic	mod																
MKL2004	163.1	179.87	16.77	Vvm mafic volcanic	M	green	fg	foliated	Mafic volcanics with minor chert intercalation. Medium green, fine grained, moderately well foliated, overall competent, several faults offsetting sediments (possible primary deformation). Chert intercalations are fine grained and light purple and have well defined cm scale beds. Moderate chlorite alteration. Several cm scale felsic to intermediate intrusions around 173m. No significant mineralization. Lower contact 80dtca.		chlorite alteration	mod			py	0.1															
MKL2004	179.87	183.00	3.13	Ggu granitic rock (undifferentiated) - granitoid	L	pink	mcg	massive	Granodiorite. Light pink/black. Medium grained, inequigranular, moderately fractured throughout with one 20 cm zone of intense fracturing and carbonate infill at 180.2m. Predominantly feldspar with lesser quartz and moderate Biotite/chlorite. Moderate to significant potassic or iron alteration of feldspars, biotite has predominantly altered to chlorite. Trace fine grained disseminated pyrite and mm sale pyrite stringers throughout. Lower contact is rubble.		potassic	mod str			py	0.3															

MKL2004	183	187.70	4.7	Vvm mafic volcanic	M	green	fg	foliated	Mafic volcanics. Medium green, fine grained, moderately well foliated, overall competent. Moderate chlorite alteration. No significant veining or mineralization. Lower contact 35dtca			chlorite alteration	mod																
MKL2004	187.7	203.40	15.7	Gdr diorite		white	mcg	massive	Quartz diorite. "Salt and pepper" colouring, massive, inequigranular, competent overall. Predominantly feldspar with very minor quartz, and moderate biotite/chlorite. Biotite is predominantly altered to chlorite, very minor epidote alteration of feldspar grains, minor potassic alteration of feldspar. No significant mineralization or veining. Lower contact 70dtca.			chlorite alteration	mod																
MKL2004	203.4	224.60	21.2	Vvm mafic volcanic	M	green	fg	foliated	Mafic volcanics. Medium green, fine grained, moderately well foliated, overall competent. Moderate chlorite alteration. No significant veining or mineralization. Lower contact 25dtca			chlorite alteration	mod						py	0.1	sp	0.1							
MKL2004	224.6	225.4	0.81	Gdr diorite		white	mcg	massive	Quartz diorite. "Salt and pepper" colouring, massive, inequigranular, competent overall. Predominantly feldspar with very minor quartz, and minor biotite/chlorite. Biotite is predominantly altered to chlorite, very minor epidote alteration of feldspar grains, minor potassic alteration of feldspar. No significant mineralization or veining. Lower contact 40dtca.			chlorite alteration	wk						po	0.1	py	0.1							
MKL2004	225.4	226.7	1.3	Vvm mafic volcanic	M	green	fg	foliated	Mafic volcanics. Medium green, fine grained, moderately well foliated, overall competent. Moderate chlorite alteration. No significant veining or mineralization. Lower contact 35dtca			chlorite alteration	mod						py	0.1									
MKL2004	226.7	228	1.31	Gdr diorite		white	mcg	massive	Quartz diorite. "Salt and pepper" colouring, massive, inequigranular, competent overall. Predominantly feldspar with very minor quartz, and moderate biotite/chlorite. Biotite is predominantly altered to chlorite, very minor epidote alteration of feldspar grains, minor potassic alteration of feldspar. No significant mineralization or veining. Lower contact 70dtca.			chlorite alteration	mod																
MKL2000S	0	1.25	1.25	Oou overburden general					Come rubble in box. Casing to 3 m. Competent core starts at 1.25 m.																				
MKL2000S	1.25	24.95	23.7	#N/A	M	pink red	mfg.	massive	Granodiorite. Medium pink, fine to medium-grained, inequigranular, massive, locally very weakly magnetic. Composed predominately of medium-grained feldspar and lesser quartz and biotite and fine-grained quartz, feldpar and biotite, trace disseminated, very fine-grained magnetite and very trace very fine-grained pyrite. Interval is cut by abundant cm to meter-scale, rusty orange-red, aphanitic to pegmatitic, feldspar and quartz dykes. These dykes are commonly zoned with finer grained rims (aphanitic to medium-grained) with course-grained cores (medium to pragmatic) minor interstitial fine-grained biotite (+/- chlorite) and trace fine-grained pyrite; commonly cute by mm-scale pink-carbonate veinlets and chlorite stringers. Hematite/potassic alteration, strong to moderate, decreasing slightly down interval; chlorite alteration, weak to moderate, of biotite grains; epidote alteration, very very weak of plagioclase grains. Abundant, thin, sub-mm to mm-scale, pink-stained carbonate (+/- quartz) veinlets (70 to 80 degrees to core axis). Abundant, black, very thin, fracture fill, chlorite stringers (+/- white carbonate) (50 to 80 degrees to core axis). Rare, thin, mm-scale scale quartz veinlets (60 to 70 degrees to core axis). Rare, thin, mm-scale, undulatory quartz (+/- quartz) vein lets (10 to 20 degrees to core axis). Rare, irregular, pink carbonate pods. No significant mineralization. Lower contact sharp at 50 degrees to core axis.			hematite alteration	str	chlorite alteration	wk mod	epidote alteration	tr	py	0.05	mt	0.05			vcb	1.5	vstcl	1.5
MKL2000S	24.95	25.46	0.52	Guu igneous rock (undifferentiated)	M	grey black	vfgfg	massive	Gabbro. Medium to dark, grey green-black, very fine- to fine-grained, equigranular, massive, very weakly magnetic. Weak hematite staining of feldspar; chlorite alteration weak and pervasive. Fine-grained disseminate pyrite. Lower contact sharp, 45 degrees to core axis.			hematite alteration	v wk	chlorite alteration	wk mod			py	0.1								
MKL2000S	25.46	27	1.54	Ggu granitic rock (undifferentiated) - granitoid	M	grey pink	fmg	massive	Granodiorite. Light to medium grey-pink, fine to medium-grained, inequigranular, massive, locally very weakly magnetic. Composed predominately of medium-grained feldspar and lesser quartz and biotite and fine-grained quartz, feldspar and biotite, trace disseminated, very fine-grained magnetite and very trace very fine-grained pyrite. Hematite/potassic alteration, weak to moderate and predominantly of feldspars; chlorite alteration, weak to moderate, predominantly of fine-grained biotite grains. Very rare, fracture-fill carbonate stringers. No significant mineralization. Lower contact sharp at 40 degrees to core axis.			hematite alteration	wk	chlorite alteration	wk mod			py	0.01					vstcb	0.1		
MKL2000S	27	28.6	1.6	Guu igneous rock (undifferentiated)	M	grey black	vfgfg	massive	Gabbro. Medium to dark, grey green-black, very fine- to fine-grained, equigranular, massive, very weakly magnetic; cm-scale aphanitic chill-margins. Weak hematite staining of feldspar; chlorite alteration weak to moderate and pervasive. Rare, fracture-fill carbonate stringer and very rare fracture-fill epidote veinlets/stringers. Fine-grained disseminate pyrite. Lower contact sharp, 35 degrees to core axis.			hematite alteration	wk	chlorite alteration	wk mod									vstcb	0.1	vstep	0.1
MKL2000S	28.6	33.65	5.05	Ggu granitic rock (undifferentiated) - granitoid	M	grey pink	fmg	massive	Granodiorite. Light to medium grey-pink, fine to medium-grained, inequigranular, massive (to locally weakly foliated - ~50 degrees to core axis), locally very weakly magnetic. Composed predominately of medium-grained feldspar and lesser quartz and biotite and fine-grained quartz, feldspar and biotite, trace disseminated, very fine-grained magnetite and very trace very fine-grained pyrite. Interval is cut cm- to deca cm-scale, rusty orange-red, aphanitic to coarse-grained, feldspar and quartz dykes; commonly cut by sub-mm-scale carbonate veinlets and chlorite stringers. Hematite/potassic alteration, weak moderate, of feldspar grains; chlorite alteration, weak to moderate, of biotite grains. Rare, thin fracture-fill carbonate stringers, sub-mm scale (70 to 80 degrees to core axis). Common, black, very thin, fracture fill, chlorite stringers (+/- white carbonate). No significant mineralization, very very trace disseminated chalcopyrite associate with courser-grained dyke s and very trace, very fine-grained disseminated pyrite. Lower contact sharp at 35 degrees to core axis.	weakly foliated		hematite alteration	wk	chlorite alteration	wk mod			cp	0.01	py	0.1			vstcb	0.1		
MKL2000S	33.65	33.87	0.22	Ggu granitic rock (undifferentiated) - granitoid	M	green black	vfgfg	massive	Gabbro. Medium to dark, grey green-black, aphanitic to very fine-grained, equigranular, massive. Chlorite alteration moderate to strong and pervasive. Common fracture-fill carbonate stringer and mm-scale discontinuous vein lets of white carbonate. No significant mineralization. Lower contact sharp, 55 degrees to core axis.			chlorite alteration	mod str											vcb	1		
MKL2000S	33.87	97.7	63.83	Ggu granitic rock (undifferentiated) - granitoid	M	grey pink	fmg	massive	Granodiorite. Light to medium grey-pink, locally light grey, fine to medium-grained, inequigranular, massive to locally weakly foliated (~50 degrees to core axis), locally very weakly magnetic. Composed predominately of medium-grained feldspar and lesser quartz and biotite and fine-grained quartz, feldspar and biotite, trace disseminated, very fine-grained magnetite and very trace very fine-grained pyrite. Interval is cut by abundant cm to deca-cm scale, pale pink- red, aphanitic to pegmatitic, feldspar and quartz dykes. These dykes are commonly zoned with finer grained rims (aphanitic to medium-grained) with course-grained cores (medium to peagmatic) minor interstitial fine-grained biotite (+/- chlorite) and very trace fine-grained pyrite; commonly cute by chlorite stringers. Hematite/potassic alteration, weak, locally moderate; chlorite alteration, weak to moderate, of biotite grains; sericite alteration, localized very very weak of plagioclase grains. Rare, sub-mm to mm-scale carbonate (+/- chlorite) stringers (50 -70 degrees to core axis); rare fractur-fill chlorite stringers (40 to 70 degrees to core axis); rare quartz veinlets, mm-scale (20 to 30 degrees to core axis); Rare, mm to sub-cm layered carbonate-chlorite vein. No significant mineralization, very very trace, fine-grained, disseminated chalcopyrite associated with coarser-grained dykes and trace very-fine-grained disseminated pyrite. E.O.H - 97.7 m.	weakly foliated		hematite alteration	wk	chlorite alteration	wk mod	sericite alteration	wk	cp	0.01	py	0.1			vqz	0.05	vstcb	0.1
MKL2006	0	4.1	4.1	Oou overburden general					Casing and overburden.																				

MKL2006	4.1	14.66	10.56	Vvm mafic volcanic	d	black grey	fg	foliated	Mafic volcanics. Dark green grey to black, light blue green foliation parallel bands of altered quartz veins or relic pillow selvages? These veins have minor sulphides and at times an orange garnet component. Aphanitic to fine grained. Low angle minor faulting throughout infilled with quartz carbonate veining. Intercalated with cherty sediments in last 20cm with semi massive sulphide at lower contact. Sulphide is pyrite, medium grained, sub to euhedral. Looks to be stratiform in cherty intercalation then remobilized from dyke contact into first few cm of the dyke. Lower contact is sharp at 40 dtca.	foliated	chlorite alteration	wk			py	2	ga	0.01			vqz	1	vqc	0.5
MKL2006	14.66	17.2	2.54	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	mg	massive	Granitic dyke. Light pink/orange, medium grained. Massive, cut by rare cm scale clean quartz veins. Potassic. Minor diss py, strongest pyrite occurrence at upper contact which is cut by pyrite stringers. Lower contact is sharp at 20 dtca.	massive					py	1					vqz	0.1				
MKL2006	17.2	26	8.8	Vvm mafic volcanic	d	black grey	fg	foliated	Mafic Volcanics. Same as previous at 4.10 metres but with heightened low angle brittle deformation displacing foliation and no sediment intercalations. Sharp lower contact at 30 dtca.	foliated	chlorite alteration	wk			py	1	ga	0.01			vqz	1	vqc	0.5
MKL2006	26	26.65	0.65	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	mg	massive	Granitic dyke. Same as previous at 14.66. Sharp contacts both at 30 dtca.	massive					py	1					vqz	0.1				
MKL2006	26.65	30.05	3.4	Vvm mafic volcanic	d	black grey	fg	foliated	Mafic volcanics. Same as previous but with less light green banding. Sphalerite and pyrite in quartz carbonate veins that are foliation parallel. Lower contact is conformable to courser grained flow or gabbro.	foliated	chlorite alteration	wk			py	1	sp	0.01	ga	0.01	vqz	1	vqc	0.5
MKL2006	30.05	35.07	5.02	Vvm mafic volcanic	d	black grey	mg	foliated	Mafic volcanics , course grained flow section heavily cut by large clean quartz veins which contain some breccia of mafics and are poly metallic with minor pyrite, chalcopyrite, sphalerite, galena.	weakly foliated	chlorite alteration	wk			py	2	cp	0.1	sp	0.1	vqz	10	vqc	0.5
MKL2006	35.07	44.53	9.46	Vvm mafic volcanic	d	black grey	fg	foliated	Mafic volcanics, Very high occurrence of foliation parallel altered light green veins/bands. Small courser grained localities with less veins. Quartz carbonate veins cut unit and have sphalerite and bright green epidote. Irregular sharp lower contact to diabase if faulted and displaced but roughly at 70 dtca.	foliated	chlorite alteration	wk			py	1	sp	0.01	ga	0.01	vqz	1	vqc	0.5
MKL2006	44.53	59.33	14.8	Gdl dolerite	d	grey blue	mg	massive	Diabase dyke. Dark grey blue to green. Metre scale aphanitic chilled contact margins gradationally coarsening to medium grained through middle . Mm scale chl eyes throughout. Few cm scale subhedral phenocrysts of plag? that are green hued. Patchy weak magnetism. Unit is massive but cut by few chlorite and calcite veinlets. Sharp contacts, lower contact is at 65 dtca.	massive	chlorite alteration	mod			mt	0.5	py	0.1			vlt	0.1	vcb	0.1
MKL2006	59.33	61.27	1.94	Vvm mafic volcanic	d	black green	vfg	foliated	Mafic volcanics. Dark green to black with light blue green bands of altered quartz? Aphanitic groundmass. Minor intercalations of sediments towards sharp lower contact. Unit is cut by sub cm scale low angle quartz veins. 1% disseminated pyrite, strongest in sediment intercalations. Lower contact is sharp and parallel to lamination at 65 dtca.	foliated	chlorite alteration	wk			py	3	po	0.5			vqc	1		
MKL2006	61.27	62.45	1.18	Sct chert	d	black brown	vfg	interbedded	Interbedded chert and argillite. Black argillite and medium brown chert. Chert is high angle laminated argillite is weakly folded. Unit is cut by few low angle quartz veins. 5-10% po with py mostly stratiform with some stringers cutting unit adjacent to quartz veins that cut unit. Lower contact is a sharp transition to a bed of massive sulphide parallel to laminations at 55 dtca.	Laminated	graphitic alteration	mod												
MKL2006	62.45	63.15	0.7	Massive Sulphide	m	brown	fg	interbedded	Massive pyrrhotite. Brassy brown. Very fine grained sulphide bed between sediments. 95% Pyrrhotite with 1% diss py. Small mm scale carbonate blebs throughout. Sharp contacts parallel to bedding, lower contact is at 55 dtca.		carbonate alteration	wk			po	95	py	1						
MKL2006	63.15	67.05	3.9	Sct chert	m	grey brown	fg	interbedded	Interbedded chert with sandstone-greywacke?. Light brown and medium grey. Very fine grained chert and fg greywacke. Beds are sub metre scale. Chert hosts 3% stratiform py and po. Few lamination cutting pyrite stringers with quartz carbonate. Sharp lower contact to mafics at 70 dtca.	Laminated					py	5	po	2			vqc	1		
MKL2006	67.05	69.43	2.39	Vvm mafic volcanic	d	black green	vfg	foliated	Mafic volcanics. High angle foliated, variably fg to mg. Irregular undulatory to foliation parallel altered light green blue quartz veins. Minor low angle deformation. Disseminated pyrite throughout. Cut by one clean quartz vein and small carbonate veinlets. Patchy po and py in altered veins. Sharp lower contact to at 55 dtca.	foliated	chlorite alteration	wk			py	3	po	0.5			vqc	1		
MKL2006	69.43	71.8	2.37	Sct chert	d	grey brown	vfg	interbedded	Chert. Grey brown. Very fine grained. High angle laminated and very siliceous, becomes semi massive sulphide of po with py beyond 70.72 m where sulphides are 20-% and interbedding with argillite occurs. Brittle deformation at lower contact brecciating unit and reducing competency with increase inflow of chlorite veinlets. Few cm scale stringers of py cut chert at lower contact. Lower contact at	Laminated	chlorite alteration	wk mod			py	5	po	15			vqz	2		
MKL2006	71.8	82.65	10.85	Ggu granitic rock (undifferentiated) - granitoid	l	pink orange	cg	massive	Granitic dyke. Orange to pink, course grained. Faulted at upper contact to seds which are high in sulphides. Variably brittle throughout as it is cut by small mm scale chlorite veinlets. Few quartz rich pegmatitic veins. Contains gouge and pyrite stringers from 72.9-73.1m. Cut by few intermediate dykes.	massive	chlorite alteration	wk			py	0.1					vqz	1		
MKL2006	82.65	83.04	0.4	Guu igneous rock (undifferentiated)	d	green	fg	massive	Intermediate dyke. Dark green. Fine grained with small chlorite eyes. Contains mixing with pink granitic unit and one large xenolith. Sharply cuts granitic dyke.	massive	chlorite alteration	mod			py	0.01								
MKL2006	83.04	104.8	21.76	Ggu granitic rock (undifferentiated) - granitoid	l	pink orange	cg	massive	Granitic dyke. Same as previous at 71.8 Sharp lower contact at 30 dtca	massive	chlorite alteration	wk			py	0.1					vqz	1		
MKL2006	104.8	105.25	0.46	Vein	m	white grey	fg	foliated	Calcite vein. Off white to grey with diss po throughout at 5%. Foliation parallel to mafics it cuts through. 10 cm of mafics at upper contact between vein and granitic dyke. Sharp parallel contacts, both at 60 dtca.	foliated	chlorite alteration	mod			po	5					vcb	85		
MKL2006	105.25	138.35	33.1	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic volcanics. Dark blue grey to black. Variably fine to medium grained. Same as other mafics where it has altered bands that are foliation parallel or sometimes undulatory. Cut by low angle quartz carbonate veins that contain minor py and cpy. 132-134 granitic dikes intruding, followed by high occurrence of low angle deformation causing brecciation in the rock. Minor disseminated pyrite. Sharp lower contact at 60 dtca.	foliated	chlorite alteration	wk			py	0.1					vqc	2	vqz	5
MKL2006	138.35	142.61	4.27	Ggu granitic rock (undifferentiated) - granitoid	l	black white	cg	massive	Granodiorite dyke. Black and white with weak pink localities, variably medium to very coarse grained. Crosscuts ~10 cm thick section of mafic volcanics and dyke contains few angular xenoliths comprised of surrounding mafics with disseminate pyrrhotite. Otherwise poorly mineralised. Sharp lower contact at 60 dtca.	massive					po	0.01					vqz	1		

MKL2006	142.61	143.9	1.29	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic volcanics. Same as previous but with less low angle quartz carbonate veining and few cm scale dioritic dyklets cutting parallel to foliation. Possible intercalated sediment component in sections that have a dark brown hue. Sharp lower contact at 45 dtca with a quartz vein along contact.	foliated	chlorite alteration	wk				py	0.1					vqz	0.1	vqc	0.1
MKL2006	143.9	145.85	1.95	Guu igneous rock (undifferentiated)	d	black	fg	porphyritic or as phenocrysts	Intermediate dyke. Dark grey to black, porphyritic with red K-feldspar? or iron altered plagioclase. Grains are at the mm scale with a fine grained black intermediate matrix, very weakly foliated, sharp contacts, cryptic mafic xenoliths bound in dyke. ~1% diss. Py. Sharp lower contact at 45 dtca.	weakly foliated	chlorite alteration	wk mod	biotite alteration	wk		py	1					vqc	0.1		
MKL2006	145.85	151.44	5.59	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic volcanics. Same as most previous, low angle deformation has mm scale veinlets of Py and Cpy cutting unit. High angle altered bands. Cut by one sub metre grano diorite dyke from 149.20-149.49. Sharp lower contact to set of dykes at 45 dtca.	foliated	chlorite alteration	wk				py	0.1					vqz	0.1	vqc	0.1
MKL2006	151.44	156.04	4.6	Ggu granitic rock (undifferentiated) - granitoid	l	black white	cg	massive	Granitic dykes. Sets of metre scale granitic to granodiorite dykes sharply cutting mafic volcanics. Coarse grained, non-magnetic. Variably pink to black and white. Poorly mineralized. Sharp variably angled contacts from 30-70 dtca contacts with lower contact at 70 dtca.	massive						py	0.1					vqz	1		
MKL2006	156.04	162.74	6.71	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics. Same as previous mafics with high occurrence of pale blue-green bands throughout. Sediment intercalations making the middle margin brown and increasing sulphide content of pyrite to 1-2%. Sharp lower contact at 45 dtca.	foliated	chlorite alteration	wk				py	1.5					vqz	0.1	vqc	0.1
MKL2006	162.74	164.74	2	Gdl dolerite	d	black grey	vfg	massive	Diabase dyke. Series of small m-sub meter diabase dikes cutting mafic volcanics, mostly aphanitic and chilled margins visible. No coarsening to fine-medium grain. Weakly magnetic. Sharp contacts, lower is at 65 dtca.	dyke	chlorite alteration	wk				mt	0.5					vlt	1		
MKL2006	164.74	192.6	27.86	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics. Same as previous mafics with minor intercalated sediments but with a common occurrence of fg mm scale feldspar grains throughout finer grained matrix. High occurrence of foliation parallel banding to 184 m where unit becomes a conformable coarser grained flow or potential gabbro. Diabase dike at 185.14-185.21. Gradationally becomes more chloritic towards lower margin. ~1% Qtz-carb veining at 45 degrees with heightened py and trace cpy. Sharp lower contact at 60 dtca.	foliated	chlorite alteration	wk				py	1	cp	0.01			vqc	1	vqz	0.5
MKL2006	192.6	193.88	1.28	Ggu granitic rock (undifferentiated) - granitoid	l	white black	vcg	massive	Granodiorite dyke. Very coarse grained to pegmatitic. Black and white with slight green hue. Strong zonation and weak saccerization in plagioclase grains. Sharp contacts, lower contact is at 50 dtca.	dyke						py	0.1					vqz	1		
MKL2006	193.88	197.57	3.69	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics, similar to upper portion of last mafic unit with high occurrence of foliation parallel qtz-carb banding which can contain po and py up to 2-3% in localities. Cut by few foliation parallel carb veins with minor cpy. Sharp lower contact at 55 dtca.	foliated	chlorite alteration	wk				py	1	cp	0.01			vqc	1	vqz	0.5
MKL2006	197.57	197.87	0.31	Vein	l	white grey	cg	massive	Calcite vein. White to grey, course grained crystal of calcite. Vein looks unmineralized. Sharp contacts. Lower contact at 90 dtca.	foliated	chlorite alteration	wk				py	1	cp	0.01			vqc	1	vqz	0.5
MKL2006	197.87	198.26	0.39	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics, same as previous. Sharp lower contact at 35dtca.	foliated	chlorite alteration	wk				py	1	cp	0.01			vqc	1	vqz	0.5
MKL2006	198.26	203.2	4.94	Ggu granitic rock (undifferentiated) - granitoid	l	white black	vcg	massive	Granodiorite dyke, similar to previous at 192.6 m but more pink and even courser grained with cm scale plag grains and with possible K-Feldspar component. Sharp lower contact at 30 dtca.	dyke						py	0.1					vqz	1		
MKL2006	203.2	205.53	2.34	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics, same as previous. Cut by dioritic dyke from 203.74-204.05 metres. Foliation 45 degrees to core axis, grey to dark grey/black, sharp lower contact at 20 dtca.	foliated	chlorite alteration	wk				py	1	cp	0.01			vqc	1	vqz	0.5
MKL2006	205.53	212.2	6.67	Gmu mafic rock (undifferentiated)	d	grey black	fg	porphyritic or as phenocrysts	Mafic dyke. Dark grey to black, chlorite eyes throughout, dm sections of mafic volcanics bound throughout. Very weak foliation. Heavily cut by small calcite veinlets. Sharp contacts.	dyke	chlorite alteration	wk mod				py	0.1					vcb	3		
MKL2006	212.2	219.34	7.15	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics. Same as previous mafics but with a very high occurrence of altered bands at times with possible albite bound in between. Minor pyrite disseminated in groundmass and in some bands. Sharp lower contact at 55 dtca.	foliated	chlorite alteration	wk				py	1	cp	0.01			vqc	1	vqz	0.5
MKL2006	219.34	224.4	5.06	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic dike, coarse grained, orange to pink. Abundance of dark chloritic fluid inflow and occasional mafic? Intermediate? dike. Chlorite fluid associated with minor sulfides consisting of dominantly mm scale sulfide (Py) veinlets. Sharp lower contact at 25 dtca.	dyke						py	0.1					vqz	1		
MKL2006	224.4	225.14	0.74	Guu igneous rock (undifferentiated)	d	grey black	fg	porphyritic or as phenocrysts	Mafic dyke. Dark green to black, fine grained with chlorite eyes chloritized throughout, sharp contact, massive, non-magnetic. Faulted lower contact is sharp at 40 dtca.	dyke	chlorite alteration	wk mod				py	0.1					vcb	3		
MKL2006	225.14	225.6	0.47	Ggu granitic rock (undifferentiated) - granitoid	d	black orange	cg	brecciated	Granitic dyke, heavily infilled by chlorite, partially brecciated, very irregular faulted lower contact around 15 dtca.	dyke	chlorite alteration	mod str				py	1					vlt	10		
MKL2006	225.6	231.16	5.56	Vvm mafic volcanic	d	black green	fg	brecciated	Mafic volcanics, heavily brecciated in upper margin. Cut by few dm-scale granitic dikes. One small bed of cherty sediments from 230.21-230.56 metres. Sediment intercalation towards lower contact which brings an increase in sulphide content. Unit is heavily brecciated with low angle faulting throughout, infilled with calcite dominated qtz carb veins. Patchy localities of blebby Py, Cpy along with few Py dominated sulfide stringers (minor Cpy). Overall 2% Py, 0.1% Cpy. Sharp lower contact at 70 dtca.	foliated	chlorite alteration	wk				py	2	cp	0.5			vqc	1	vqz	0.5
MKL2006	231.16	240.28	9.12	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic dyke. Cut by several dm scale mafic or intermediate dikes. Variably coarse to very coarse grained, generally orange with few lighter localities. Sharp lower contact at 90 dtca.	dyke						py	0.1					vqz	1		

MKL2006	240.28	241.48	1.2	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics. Contains 3 ~5cm localized high angle fault breccias located equidistance between each contact. Fault bx are variably graphitic to siliceous with fragments of granitic unit bound in between. Mafics are same as previous. Minor sulphides. Sharp contacts with lower at 60 dtca.	faulted/fault	chlorite alteration	wk	graphitic alteration	wk mod			py	1						vcb	2				
MKL2006	241.48	256.3	14.82	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic dike, same as previous. Remains cut by mafic to intermediate dikes. Sharp lower contact at 50 dtca.	dyke						py	0.1						vqz	1				
MKL2006	256.3	263.6	7.31	Sag argillite	d	black	vfg	foliated	Graphitic Argillite with semi-massive po, overall 15% po, 5% py, 1% cpy. High angle laminations, sulfides are generally stratiform, with few stringers cutting bedding. Variably siliceous to graphitic. Few brittle localities, mostly competent. Sharp lower contact to vvm at 70 dtca.	Laminated	graphitic alteration	str	carbonate alteration	wk			po	15	py	5	cp	1						
MKL2006	263.6	266.46	2.86	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics. Similar to all previous. This unit is a bed of mafics between seds with intercalated sediments. Patchy high diss pyrite at 3%. Small foliation parallel stringers where seds are present. Sharp lower contact to argillite at 70 dtca.	foliated	chlorite alteration	wk				py	2	cp	0.5				vqc	1	vqz	0.5		
MKL2006	266.46	269.86	3.41	Sag argillite	d	black	vfg	foliated	Graphitic argillite with semi massive sulphides, dominantly pyrite at ~10%, po at 5%, and cpy at 1%. Same as previous sag but with higher occurrence of brittle and broken zones. Sharp lower contact to mafics at 70 dtca.	Laminated	graphitic alteration	str	carbonate alteration	wk			po	10	py	5	cp	1						
MKL2006	269.86	291	21.14	Vvm mafic volcanic	d	black green	fg	foliated	Mafic volcanics. Dark blue green to black. Dominantly medium grained with fine grained localities. Few large irregular altered quartz veins with an orange garnet component. Cut by low angle brittle deformation infilled with quartz carb veins which have minor sulphides.	foliated	chlorite alteration	wk				py	1						vqc	2	vqz	0.5		
MKL2007	0	3	3	Oou overburden general					Casing and over burden, not in box																				
MKL2007	3	22	19	Scg conglomerate	d	grey black	fg	massive	Conglomerate (Huronian Sediments): medium to dark grey, fine grained sandy siltstone matrix in a polymictic conglomerate orange rusty alteration appears non pervasive and is restricted to fracture planes, random grantic clasts and the previously mentioned rubbly section. Trace fine grained disseminated py is present in both the matrix and clasts while very localized cpy is restricted to mm-scale quartz veinlets/stringers. Numerous mm-scale quartz veinlets/stringers are apparent throughout the unit (~1%) and appear to increase in size towards lower contact becoming slightly brecciated before it is cut sharply by quartz breccia vein a @ 40 DTCA.	massive	potassic	wk	hematite alteration	wk			cp	0.01	py	0.1					vqz	0.1				
MKL2007	22	22.64	0.65	Vqz quartz vein	l	white	cg	brecciated	Quartz Vein: milky white eu- to subhedral coarse grained quartz with what appears to be secondary clear vitreous non-crystalline quartz. The milky white quartz crystals are concentrically zoned, the vein is brecciated with angular fragments of wall rock and small vugs towards lower contact. Minor rusty red alteration appears localized to healed fractures. Trace blebby pyrite. Lower contact is harp @ 50 DTCA.	brecciated	hematite alteration	wk				py	0.01												
MKL2007	22.64	27.72	5.08	Scg conglomerate	d	grey black	fg	massive	Conglomerate (Huronian Sediments): same as previous but upper contact with brecciated quartz vein is an orangey colour (Fe-alteration). This section is also less competent with several oxidized rubbly sections i.e. @ 26.05 m to 26.29 m. Lower contact is sharp @ 30 DTCA.	massive	hematite alteration	wk mod				py	0.01						vqz	0.1				
MKL2007	27.72	27.76	0.05	Vqz quartz vein	l	white grey	mg	vuggy	Cobalt Zone: 3 cm vuggy quartz vein. Vein is a whitish grey, medium grained and vuggy with minor chloritized wall rock fragments and moderate orangey fe-alteration. Minor blebby cpy occurs interstitially and within the vugs. A dark shiny black silvery cobalt mineral resembling tetrahedrite in shape and colour also occurs infilling vugs in trace amounts and is proximal to a bone white mineral resembling an evaporite. The cobalt mineral contains Co, Fe and Cu while devoid of arsenic, potentially carrolite. Lower contact is sharp @40 DTCA.	brecciated	hematite alteration	mod	chlorite alteration	wk			co	0.1	cp	0.1									
MKL2007	27.76	29.15	1.39	Scg conglomerate	d	grey black	fg	massive	Conglomerate (Huronian Sediments): same as previous however this section is predominantly incompetent and broken. A significant increase in rusty red alteration (hematite) and healed fractures are often vuggy and red with euhedral void filling quartz crystals. The lower contact is rubbly and faulted.	tectonic	hematite alteration	mod str				py	0.01						vqz	0.1				
MKL2007	29.15	38.4	9.25	Fault	d	grey orange	fg	blocky	Fault: this section is a very rubbly/blocky fault breccia/cataclasite with no section larger than 30 cm. The rubble and blocks in this section are composed of the Huronian conglomerate described previously, ranging from dark grey black to orange likely due to hematite and/or K-alteration. Lower contact is rubbly but define by gauge and the distinction between the conglomeratic fragments and the underlying mafic fragments.	brecciated	hematite alteration	str	potassic	mod			py	0.01											
MKL2007	38.4	41.7	3.3	Fault	d	grey black	vfg	blocky	Fault: same as previous but the rubble comprises mafic volcanic fragments rather than Huronian sediments. Appears to be a faulted unconformity between Huronian and Keewatin mafic volcanics. Significantly less orangey alteration the mafics are aphanitic and dark grey. Lower contact is broken but sharp at 50 DTCA.	brecciated	hematite alteration	v wk																	
MKL2007	41.7	42.44	0.74	Ggu granitic rock (undifferentiated) - granitoid	m	orange pink	mg	massive	Granitic dyke: pinkish orange, medium to coarse grained, massive and equigranular felsic dyke with moderate potassic alteration. The unit is broken and rubbly at the upper contact but is competent for the last 40 cm where numerous healed fractures are infilled with chlorite and can be vuggy. Sharp lower contact @ 30 DTCA.	tectonic	potassic	mod																	
MKL2007	42.44	52.74	10.3	Vvm mafic volcanic	d	grey black	vfg	foliated	Mafic Volcanics: medium to dark grey, very fine grained to aphanitic, well foliated mafic volcanics, foliation appears to be defined by altered green bands (relict qtz or carb veins?). Overall unit is hard and competent. Top of the unit there is strong silicification, throughout the unit there is moderate hematite and potassic alteration within carbonate veins and is a deep orange red, local strong epidote alteration is also present related to carbonate veins. Numerous altered cm-scale carbonate and qtz-carb veins dispersed randomly through unit. Pyrite is often seen as stratiform stringers or related to qtz and/or qtz-carb veins (3%), one 5 cm semi-massive lens of py +/- po @ 51.17 m, could represent a thin sedimentary argillic intercalation. Lower contact is sharp but broken @ 70 DTCA.	foliated	epidote alteration	mod	hematite alteration	wk mod	potassic	wk mod	py	0.1							vqc	1	vqz	0.1	
MKL2007	52.74	68.72	15.98	Gdi dolerite	d	grey	vfg	massive	Diabase Dyke: dark green grey, very fine grained with aphanitic decimeter chilled margins, coarsening slightly towards center of dyke. Unit is massive, magnetic and competent with few natural fractures. Minor pervasive chlorite alteration and numerous mm-scale chlorite and carbonate fracture fills, several at low angle or subparallel to core axis. Trace very fine grained disseminated py. Lower contact is sharp but broken @ 90 DTCA.	massive	chlorite alteration	wk				py	0.01								vqc	0.1				
MKL2007	52.74	58.16	5.42	Vvm mafic volcanic	d	grey black	vfg	foliated	Mafic Volcanics: dark grey black, very fine grained to aphanitic, moderately foliated mafic volcanics. Overall unit is hard and competent. Throughout the unit there is moderate hematite and/or potassic alteration stronger within carbonate veins and is orangey pink, alteration appears almost like remnant granitic dyke fragments (xenoliths). A couple cm-scale carbonate veins with chlorite fill and numerous chlorite fracture filled veinlets. Trace disseminated blebby and vein related pyrite. Lower contact is sharp @ 50 DTCA.	foliated	hematite alteration	wk	potassic	wk			py	0.1							vqc	0.1				
MKL2007	58.16	58.65	0.5	Vqz quartz vein	l	white	cg	brecciated	Quartz Breccia: 50 cm brecciated quartz vein, quartz is both milky white and clear/vitreous with trace blebby chalcopyrite. The vein brecciates the mafic volcanic wall rock which exhibits minor chlorite alteration. The top and bottom of the vein are ~5 cm of quartz where as the central 40 cm is clast dominated and resembles a stockwork style brecciation. Lower contact is sharp @ 50 DTCA.	brecciated	chlorite alteration	wk				cp	0.1												

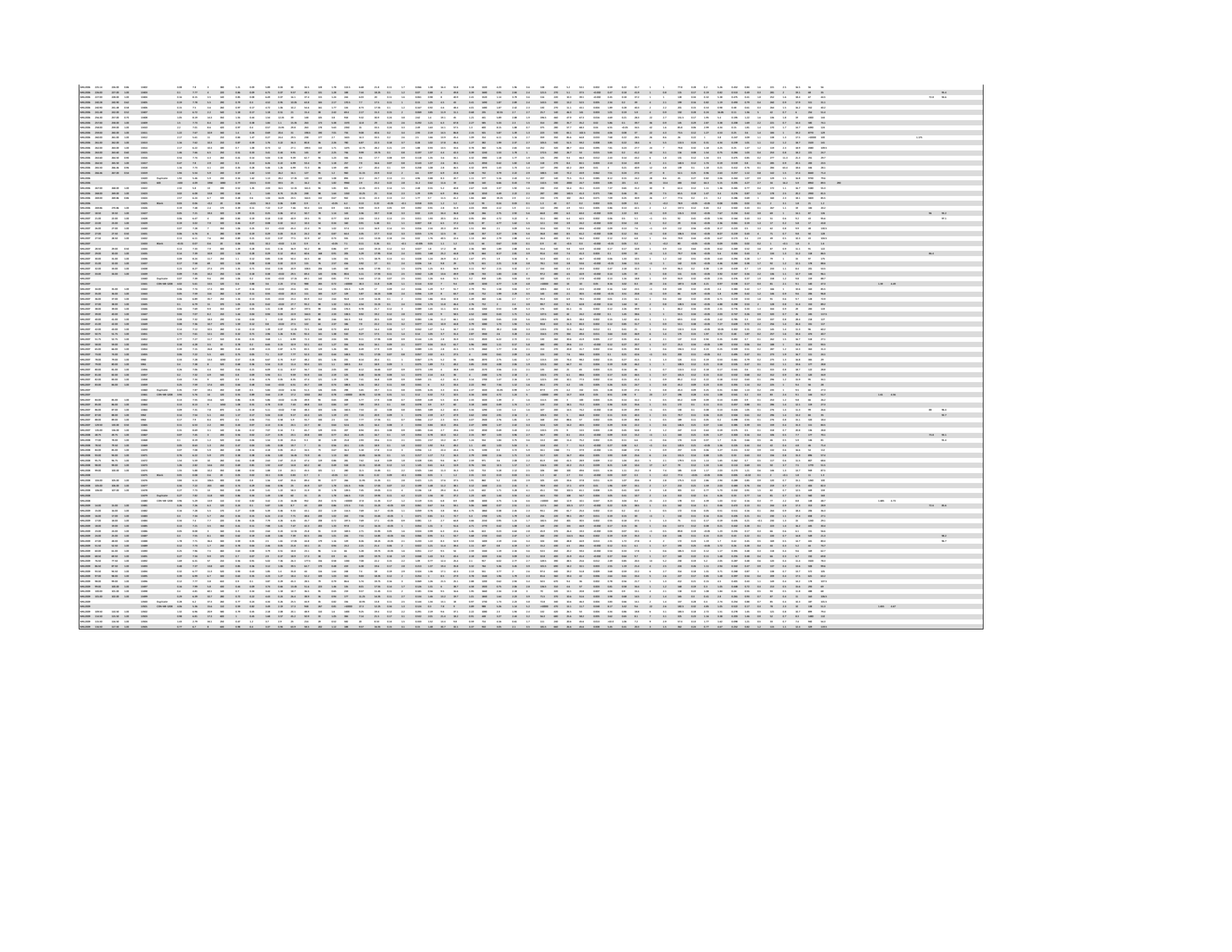
MKL2007	58.65	68.72	10.07	Vvm mafic volcanic	d	grey black	vfg	foliated	Mafic Volcanics: medium to dark grey, very fine grained to aphanitic, well foliated mafic volcanics, foliation appears to be defined by altered green bands (relict qtz or carb veins?). Overall unit is hard and competent with one broken section @ 62.85 m to 65.2 m resembling a healed fault breccia/cataclasite, altered to light grey. Throughout the unit there is moderate to strong hematite and potassic alteration within carbonate veins and is an orange red, local moderate epidote alteration is also present related to carbonate veins and towards the bottom of unit. Entire unit appears to be heavily brecciated (healed) with altered mm-scale carbonate and qtz-carb veins. One 7 cm quartz vein with chlorite infill and blebby pyrite @ 65.27 m. Two small felsic dykes crosscut the mafics around 67 m. Trace very fine grained disseminated pyrite and vein associated stringers. Lower contact is sharp @ 55 DTCA.	foliated	hematite alteration	mod str	potassic	mod str	epidote alteration	wk mod	py	0.1							vqc	1	vcb	3
MKL2007	58.16	72.2	14.04	Ggu granitic rock (undifferentiated) - granitoid	m	orange pink	cg	massive	Granitic Dyke: same as previous but coarser grained. Unit is cut by mm-scale orange red altered (Fe/K) qtz veins, several chlorite filled healed fractures and cm-scale carbonate veins. Within the dyke is a small section of mafic volcanics (description below) which is cut by two larger cm-scale carbonate veins. Lower contact is sharp @ 70.	massive	hematite alteration	mod	potassic	mod											vcb	2	vqz	1
MKL2007	72.2	75	2.8	Vvm mafic volcanic	d	grey black	vfg	foliated	Mafic Volcanics: medium to dark grey, very fine grained foliated mafic volcanics. Unit is hard and competent with a couple broken/rubbly zones. Low angle fractures are apparent and there are numerous healed fractures. Moderate to strong hematite, potassic and epidote alteration are associated with carbonate veins perhaps replacing qtz veins? A couple cm-scale carbonate veins are significantly altered along with numerous mm-scale carbonate veinlets also altered. Several healed fractures towards the base of the unit are vuggy with hematite and epidote infill. Trace very fine grained fracture related py. Lower contact is broken and rubbly.	foliated	hematite alteration	mod str	potassic	mod str			py	0.01							vcb	5	vqz	1
MKL2007	75	76.74	1.74	Ggu granitic rock (undifferentiated) - granitoid	m	orange pink	cg	massive	Granitic Dyke: same as previous but with more chloritic fracture fills. Lower contact is sharp @ 50 DTCA.	massive	hematite alteration	mod	potassic	mod										vqz	1	vcb	0.1
MKL2007	76.74	104.95	28.21	Vvm mafic volcanic	m	green	fg	foliated	Mafic Volcanics: dark green, predominantly fine grained with minor coarser grained gabbroic sections i.e. @ 87 m to 90m. Unit is moderately to well foliated define by green banding (relict veins?), is hard and competent with one broken/rubbly section from 101.44 m to 101.55 m. Two 10 cm granitic dykes cut the unit @ 101.18 m and 103.28 m. Strong pervasive chlorite alteration is consistent through out the unit and moderate to strong hematite, potassic and minor epidote alteration are localized to a heavily brecciated (healed) zone from 80.2 m to 87 m where several altered cm-scale carbonate breccia veins are present i.e. 81.6 m. Both hematite and potassic alteration are also present throughout the unit localized to carb and qtz-carb veins. Moderate but localized epidote alteration is also present towards the top of unit. Trace disseminated py throughout unit and minor blebby py in afore mentioned healed brecciated zone and vein related, galena appears acicular @97.95 m in chlorite altered carbonate vein with minor py. Lower contact is sharp @ 70 DTCA.	foliated	chlorite alteration	str	hematite alteration	mod str	potassic	mod str	py	0.1							vqc	5	vqz	1
MKL2007	104.95	107.4	2.45	Gfu felsic rock (undifferentiated)	l	green fawn	fg	homogeneous	Felsic Dyke: very light fawny grey green, fine grained and non-crystalline. Unit appears to be heavily altered and relict equigranular grains are cryptic. Unit is hard and competent and has a large fragment of mafic volcanic wall rock associated into it. Weak hematite or potassic alteration is present associated with carbonate stringers and small brecciated veinlets. No observed mineralization. Lower contact is sharp 60 DTCA.	dyke	potassic	wk	hematite alteration	wk											vcb	0.1		
MKL2007	107.4	108.68	1.28	Ggu granitic rock (undifferentiated) - granitoid	m	orange pink	cg	massive	Granitic Dyke: same as previous but dyke is cut by a fine grained granitic dyke which is altered a more pink colour. Lower contact is sharp @ 65 DTCA.	dyke	potassic	wk	hematite alteration	wk															
MKL2007	108.68	129.84	21.16	Vvm mafic volcanic	d	green	fg	foliated	Mafic Volcanics: dark green, fine grained and well foliated mafic volcanics with a slightly coarser grained more massive portion at the lower contact. Unit is hard and competent with few natural fractures. Several cm- to dm-scale granitic dykes. Moderate pervasive chlorite alteration throughout unit with very minor and localized hematite and/or potassic alteration. Significant foliation parallel veining focused towards top of unit, cm-scale carb, qtz and qtz-carb veins and several low angle mm-scale qtz-carb veins, units lower contact is a 13 cm qtz vein. Minor blebby vein associated py through unit and localized po. Lower contact is sharp @ 85 DTCA.	foliated	chlorite alteration	mod	hematite alteration	wk	potassic	wk mod	py	3	po	0.1					vqz	5	vcb	3
MKL2007	129.84	132.85	3.01	Guu igneous rock (undifferentiated)	d	green grey	mg	foliated	Intermediate Dyke: medium to dark green grey, medium grained and moderately foliated porphyritic dyke. Equigranular texture is cryptic but present and the unit is hard and competent with weak but pervasive chlorite alteration. Minor sub-mm-scale qtz and qtz-carb veinlets with minor py association. Lower contact is vague @ 35 DTCA.	dyke	chlorite alteration	wk					py	0.1							vqz	0.1		
MKL2007	132.85	139.09	6.25	Vvm mafic volcanic	d	green	fg	foliated	Mafic Volcanics: same as previous with less veining. Minor feldspar alteration (albite?) present in several veins. Significant disseminated py @134.4 m and one 15 cm qtz-carb and feldspar altered vein with blebby py and po @135.46 m.	foliated	chlorite alteration	mod	albite alteration	wk			py	1	po	0.1				vqz	1	vcb	0.1
MKL2007	139.09	146.7	7.61	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic Dyke: same as previous but has some variably finer grained to more pegmatitic quartz-rich granitic sections. Several cm-scale qtz veins and mm-scale foliated carb-chlorite veins with minor blebby pyrite. Lower contact is sharp @ 50 DTCA.	massive	potassic	mod	hematite alteration	wk			py	0.1						vqz	0.1	vcb	0.1
MKL2007	146.7	150.94	4.25	Vvm mafic volcanic	d	green	fg	foliated	Mafic Volcanics: same as previous with sharp lower contact @ 80 DTCA.	foliated	chlorite alteration	mod						py	0.1							vqz	1		
MKL2007	150.94	152.81	1.87	Ggu granitic rock (undifferentiated) - granitoid	l	orange pink	cg	massive	Granitic Dyke: same as previous with minor blebby fracture related py. Sharp lower contact @ 30 DTCA.	massive	potassic	mod						py	0.1										
MKL2008	0	4	4	Oou overburden general					Overburden: not in box, casing block marked as 3 m.																				
MKL2008	4	14.38	10.38	Gdl dolerite	d	grey black	fg	massive	Diabase Dyke: dark grey black, fine grained, massive and moderate to strongly magnetic. Unit is hard and competent. Very trace amounts of py either finely disseminated or fracture associated. No significant veining although fractures are filled with chlorite and carbonate. Lower contact is faulted and rubbly with possible fault gouge.	massive							py	0.01										
MKL2008	14.38	46.03	31.65	Vvm mafic volcanic	m	grey	fg	foliated	Mafic Volcanics: medium to dark grey, fine grained with several medium grained sections i.e. @ 28.2 m to 30.6 m (conformable gabbro?). Unit is weakly foliated progressing to moderately foliated downhole where foliation is defined by green banding (altered relict qtz-carb veins?). Unit is hard and competent with minor chlorite alteration along fractures and locally, minor weak sericite alteration. Minor fine grained disseminated and stratiform or vein/fracture associated py, localized blebby cpy associated with qtz veins. Numerous foliation parallel cm-scale carbonate and green altered carb/qtz-carb veins and several mm-scale cross cutting qtz veinlets. Lower contact is sharp @ 46.03 m.	foliated	chlorite alteration	wk	sericite alteration	v wk			cp	0.01	py	2					vcb	3	vqz	2
MKL2008	46.03	64.05	18.02	Sdu sediment general (undifferentiated)	m	grey	fg	foliated	Intercalated Sediments: light to dark grey often fawny grey, fine grained sometimes sandy siltstone. Unit is very strongly foliated and/or thinly laminated and alternates between siltstones, sandy siltstones and/or felsic to intermediate tuffs as textures and grains (lapilli?) are cryptic. Minor localized pink orange hematite and/or potassic alteration around carbonate veins, minor silicification of certain beds/intercalations with several chert cm-scale bands (up to 10 cm). Overall unit is hard and competent with few localized broken/rubbly zones and several sections are pitted (possible tuff?). Significant py mineralization predominantly occurring as stratiform or foliation parallel stringers with trace po but locally py is finely disseminated. Minor mm-scale carbonate and quartz-carb veining usually fracture fill becomes more qtz-rich downhole. Lower contact is gradational and conformable @ 60 DTCA.	laminated	silica alteration	mod	potassic	wk	hematite alteration	wk	py	5	po	0.01	cp	0.01			vcb	0.1	vqz	0.1

MKL2008	64.05	70.8	6.75	Txx crystal tuff	m	grey	fg	foliated	Crystal Tuff: light to medium grey with purple grey sections, fine grained with medium grained rounded and stretched quartz crystals. Unit is very well foliated/laminated and is very hard. Moderate silicification and moderate to strong yellowish white alteration (albite?) occurs foliation parallel. Significant py mineralization occurring as both foliation parallel stringers and finely disseminated. Minor mm-scale quartz veins. Lower contact is gradational and is conformable @ 60 DTCA.	laminated	silica alteration	mod	albite alteration	mod str			py	3						vqz	0.1				
MKL2008	70.8	84	13.2	Sdu sediment general (undifferentiated)	m	grey	fg	foliated	Intercalated Sediments: same as previous although unit appears to be siltstone dominated with only minor sandy siltstone or tuffaceous component. Section has several cm-scale brecciated carbonate veins which are pink from potassic alteration and appear to 'bleach' adjacent sediments. Also an increase in quartz veining. Lower contact is sharp @ 40 DTCA.	laminated	silica alteration	mod str	potassic	mod str			py	3						vqz	1	vcb	1		
MKL2008	84	84.84	0.85	Guu igneous rock (undifferentiated)	l	grey	fg	massive	Intermediate Dyke: light to medium grey, very fine grained and massive intermediate dyke with chlorite eyes. Unit is hard and competent with minor chlorite alteration. Significant fine grained disseminated py (2%) and a couple mm-scale carbonate and qtz-carb veins. Lower contact is sharp and undulating @ 50 DTCA.	massive	chlorite alteration	wk					py	2						vcb	0.1				
MKL2008	84.84	86.76	1.92	Sdu sediment general (undifferentiated)	d	grey green	fg	foliated	Intercalated Sediments: same as previous. Lower contact is sharp @ 70 DTCA.	foliated	silica alteration	mod	potassic	wk	hematite alteration	v wk		py	1						vqz	0.1	vcb	0.1		
MKL2008	86.76	88.8	2.04	Guu igneous rock (undifferentiated)	m	grey	mg	massive	Intermediate Dyke: same as previous but no chlorite eyes and only trace disseminated py. Lower contact is sharp @ 70 DTCA.	massive	potassic	v wk						py	0.1						vqz	0.1	vcb	0.1		
MKL2008	88.8	96.64	7.84	Sdu sediment general (undifferentiated)	m	grey	mg	massive	Intercalated Sediments: same as previous but unit appears to have minor mafic volcanic component based on resurgence of green altered bands (relict carb/qtz-carb veins?) as well as an argillitic component towards lower contact with blebby py + po stringers, minor localized sphalerite confined to carbonate vein. Lower contact is sharp @ 55 DTCA.	foliated	silica alteration	mod	potassic	wk	hematite alteration	v wk		py	5	po	1	sp	0.1	vqz	0.1	vcb	0.1		
MKL2008	96.64	97.96	1.32	Txx crystal tuff	l	grey	mg	foliated	Crystal Tuff: light to medium grey, medium grained and well foliated felsic crystal tuff. Unit is hard and competent with no significant veining. Trace fine grained disseminated or fracture related py. Lower contact is sharp @ 55 DTCA.	foliated	silica alteration	wk						py	0.1											
MKL2008	97.96	99.85	1.89	Sag argillite	d	black	vfg	foliated	Graphitic Argillite with Semi-Massive Sulphides: black and aphanitic, very well foliated/thinly laminated, unit is moderate to strongly magnetic, hard and competent. Significant foliation parallel quartz and carbonate, either veins or perhaps a result of silica flooding? Sulphides range from mm-scale stratiform stringers to semi-massive or have completely replaced cross-cutting veins and consist of predominantly py (10%) and po (5%). Lower contact is sharp @ 55 DTCA.	laminated	argillic alteration	str					py	10	po	5			vqz	2	vcb	1		
MKL2008	99.85	104.18	4.34	Guu igneous rock (undifferentiated)	l	grey	fg	massive	Intermediate Dyke: same as previous but unit is more broken and has significantly less py. Lower contact is sharp @ 55 DTCA.	massive	chlorite alteration	wk						py	0.1						vcb	0.1				
MKL2008	104.18	107.17	2.99	Sag argillite	d	grey black	vfg	foliated	Graphitic Argillite with Semi-Massive Sulphides: same as previous but no foliation parallel quartz or carbonate (silica flooding?) or any veining. Unit also has a less graphitic component, less altered and more of a siltstone portion. Evidence of soft sediment deformation is also apparent with tight and irregular shaped folds (slumping). Small 40 cm intermediate dyke cuts the unit @ 105.26 m. A 2 cm highly fractured quartz vein demarks the lower contact which is sharp at 60 DTCA.	laminated	argillic alteration	str					py	10	po	5									
MKL2008	107.17	150	42.83	Gdi dolerite	d	grey black	mg	massive	Diabase Dyke: dark grey black, fine to medium grained, massive and moderately magnetic. The upper contact is a very fine grained, non-magnetic chilled margin with coarse blebby py. The unit is hard and competent with very few broken/rubbly sections, most of which are towards upper contact. A couple cm-scale carbonate towards upper contact. Eoh	massive							py	0.1					vcb	0.1				
MKL2009	3	19.65	16.65	Vvm mafic volcanic	m	grey black	fg	foliated	Mafic Volcanics: medium to dark grey black, fine grained and foliated mafics. Towards top of hole unit is appears more massive but is moderately foliated and becomes very well foliated to banded towards lower contact (possible sedimentary component). Unit is hard and competent with only one broken/rubbly section @ 13.75 m and a 25 cm intermediate dyke @ 6.6 m. Weak evasive chlorite alteration (spotting), localized green altered carbonate veins and moderate to strong orange pink hematite and potassic alteration of quartz and carbonate veins. Localiaed disseminated to blebby py associated with veining and one galena occurrence within an altered brecciated quartz vein. Significant mm- to cm-scale quartz and carbonate veins, both exhibit orange pink fe/k alteration and carbonate veins also display pale green alteration. Several altered quartz veins are also brecciated with minor sulphides. Lower contact is sharp @ 50 DTCA but appears gradational over ~ 1 m as mafics become very well foliated/laminated.	foliated	potassic	mod str	hematite alteration	mod str	chlorite alteration	wk mod	py	0.1	ga	0.01			vqz	3	vcb	2		
MKL2009	19.65	23.8	4.15	Sdu sediment general (undifferentiated)	l	grey	fg	interbedded	Intercalated Sediments/Volcanics: light grey, fine grained siltstones intercalated with sandy siltstones (possible felsic/intermediate crystal tuff). Unit is very well foliated/laminated, is hard and competent with several broken/rubbly sections. Moderate orange pink potassic and hematite alteration confined to quartz veins and fractures, minor localized pervasive carbonate and sericite alteration. Trace fine grained, disseminated py. Minor mm-scale altered quartz veining and a cm-scale brecciated carbonate vein with minor alteration. Lower contact is faulted @ ~ 70 DTCA.	laminated	potassic	mod str	hematite alteration	mod str	carbonate alteration	wk mod	py	0.1					vqz	0.1	vcb	0.1		
MKL2009	23.8	25.4	1.6	Fault	d	grey green	fg	blocky	Fault: section is broken and rubbly. First 15 cm fragments are composed of previously described intercalated sediments but transition into mafic volcanics, dark green grey, very fine grained and foliated with altered green bands. Lower contact is blocky.	faulted/fault	chlorite alteration	v wk																		
MKL2009	25.4	28.51	3.11	Vvm mafic volcanic	d	grey black	fg	foliated	Mafic Volcanics: dark grey black, very fine grained and well foliated mafics. Foliation defined by green altered banding (relict qtz/carb veins?), unit is hard and competent although blocky and broken towards upper faulted contact. Very minor orange pink fe/k alteration of qtz veins proximal to fault. Trace py associated with fractures and veinlets. Very minor mm-scale quartz veinlets and numerous foliation parallel green altered carbonate veins with several cm-scale carbonate veins. Lower contact is delineated by an altered carbonate vein but is sharp @ 35 DTCA.	foliated	potassic	wk	hematite alteration	wk			py	0.1					vcb	1	vqz	0.1		
MKL2009	28.51	47.48	18.97	Sdu sediment general (undifferentiated)	m	grey	fg	foliated	Intercalated Sediments/Volcanics: intermittent light grey, fine grained with medium grained crystals/fragments (felsic/intermediate tuffs?) and medium to dark grey, very fine grained to aphanitic siltstones or sandy siltstones. Unit is siliceous, hard and competent, very well foliated/laminated and siliceous with several cm-scale chert beds/bands. Localized moderate to strong orange pink potassic with minor hematite alteration associated with fractures and veins. Minor fine grained euhedral to blebby disseminated or fracture/vein associated py increasing downhole becoming stratiform pyrite stringers. Significant mm- and cm-scale quartz veining (up to 10 cm) often altered orange pink and brecciated, minor cm-scale altered carbonate veins often brecciated. 25 cm, fine grained intermediate dyke with significant very fine grained disseminated py (1%) and deep red, 2 mm round and concentrically zoned alteration minerals @ 43.3 m. Lower contact is sharp @ 50 DTCA.	laminated	potassic	str	hematite alteration	wk mod			py	3					vqz	5	vcb	1		
MKL2009	47.48	47.66	0.18	Sag argillite	d	black	vfg	foliated	Graphitic Argillite: black, aphanitic and foliated argillite (shear?) with fine to medium grained sub-to euhedral pyrite beginning to form blebby stringers. One cm-scale quartz vein. Lower contact is sharp @ 35 DTCA.	foliated	argillic alteration	v str						py	15						vqz	1				
MKL2009	47.66	49.07	1.41	Sdu sediment general (undifferentiated)	d	grey black	fg	interbedded	Intercalated Sediments/Volcanics: same as previous however this section is siltstone dominated with small scale s-folds at upper contact. Lower contact is sharp @ 40 DTCA.	laminated	silica alteration	wk	potassic	wk				py	1						vqz	0.1				

MKL2009	49.07	56.68	7.61	Txx crystal tuff	m	grey blue	mg	foliated	Crystal tuff: medium grey, fine grained with medium grained crystals/fragments, unit is a well foliated/laminated crystal tuff (sandy siltstone?). Unit is hard and competent with few natural fractures. Moderate localized orange pink potassium and weak pervasive carbonate alteration proximal to carbonate breccia vein. Significant fine grained foliation parallel py stringers. A couple cm-scale qtz veins, mm-scale carbonate and qtz veins and a cm-scale altered carbonate breccia vein. Lower contact is sharp at 45 DTCA.	laminated	potassic	mod	carbonate alteration	wk mod			py	1						vcb	2	vqz	1
MKL2009	56.68	78.68	22	Sdu sediment general (undifferentiated)	m	grey	fg	interbedded	Intercalated Sediments/Volcanics: same as previous @ 28.51 m to 47.66 m but no intermediate cross-cutting dyke and an increase in pervasive carbonate alteration and silicification (chert beds/bands). Unit is broken and blocky @ 68.8 m. Evidence for intense shearing ~ 67.5 m with stretched crystals/grains and boudinaged qtz vein. Towards lower contact unit incorporates several black argillitic portions with minor py + po stringers. Lower contact is sharp @ 40 DTCA.	laminated	potassic	wk mod	carbonate alteration	wk mod	argillic alteration	wk mod	py	3	po	1				vqz	3	vcb	2
MKL2009	78.68	80.2	1.52	Guu igneous rock (undifferentiated)	m	grey	mg	foliated	Intermediate Dyke: medium grey, medium grained quartz diorite? with cryptic equigranular texture with 15 cm fine grained chill margins at both contacts. Unit weakly foliated, hard and competent with minor pink alteration of feldspars (fk/k?). Trace very fine grained disseminated py and mm-scale qtz veins. Lower contact is sharp @ 45 DTCA.	weakly foliated	potassic	v wk	hematite alteration	v wk			py	0.01						vqz	0.1		
MKL2009	80.2	84.08	3.88	Sdu sediment general (undifferentiated)	m	grey black	fg	interbedded	Intercalated Sediments/Volcanics: medium to dark grey, very fine grained siltstones to pebbly siltstones (possible crystal tuff?) with minor argillites. Unit is very well foliated/laminated, hard and competent with minor pervasive silicification resulting in several sub-cm-scale chert beds/bands. Pyrite occurs as sub-mm- to cm-scale stratiform stringers locally with po or fracture associated py. Minor mm-scale qtz veining. Lower contact is sharp @ 50 DTCA.	laminated	silica alteration	wk mod	chlorite alteration	wk			py	2	po	0.1				vqz	0.1		
MKL2009	84.08	87.83	3.75	Guu igneous rock (undifferentiated)	m	grey	mg	foliated	Intermediate Dyke: same as previous but with minor chlorite spotting and more cryptic equigranular texture. Lower contact is sharp @ 55 DTCA.	weakly foliated	potassic	v wk	hematite alteration	v wk			py	0.01						vqz	0.1		
MKL2009	87.83	91.96	4.13	Sdu sediment general (undifferentiated)	d	grey black	fg	foliated	Intercalated Sediments/Volcanics: same as previous but unit is much more siltstone dominated with no argillites and only minor tuffaceous component. Low angle fault gouge @ 15 DTCA ~ 87 m with 1 cm of green and white chlorite and carbonate gouge with significant py. Lower contact is sharp @ 60 DTCA.	laminated	silica alteration	wk	chlorite alteration	wk			py	1	po	0.1				vqz	0.1	vcb	0.1
MKL2009	91.96	93.54	1.59	Txx crystal tuff	m	grey blue	mg	foliated	Crystal Tuff: same as previous but with less py and fewer veins. Lower contacts is sharp @ 50 DTCA.	laminated	silica alteration	wk					py	0.1						vcb	0.1		
MKL2009	93.54	94.08	0.54	Sdu sediment general (undifferentiated)	d	grey black	fg	foliated	Intercalated Sediments: dark grey black, fine grained sediments, siltstones and argillites. Well foliated with minor foliation parallel quartz and carbonate veining and semi-massive sulphides (py +po +/- cpy). Lower contact is sharp@ 60 DTCA.	laminated	argillic alteration	wk mod					py	10	po	5				vqz	3	vcb	1
MKL2009	94.08	97.08	3	Guu igneous rock (undifferentiated)	l	grey	mg	massive	Intermediate Dyke: same as previous but lighter grey with minor chlorite spotting. 10 cm fine grained, dark grey chill margins. Lower contact is sharp @ 35 DTCA.	weakly foliated	potassic	wk	hematite alteration	v wk			py	0.1						vcb	0.1		
MKL2009	97.08	111.03	13.95	Sdu sediment general (undifferentiated)	m	grey black	fg	foliated	Intercalated Sediments/Volcanics: same as previous @ 80.2 m to 84.04 m. Unit becomes more tuffaceous with dominant crystal tuff component and perhaps small mafic volcanic component towards lower contact. Broken and brecciated section @ 99.2 m with significant sub-mm-scale carbonate veining and weak evasive alteration. Significant but sporadic py + po stratiform stringers from upper contact to ~ 103 m with several cm-scale semi-massive sulphides lenses (py+po+/-cpy) often associated with argillites, again @ 110 m. Lower contact is sharp @ 50 DTCA.	laminated	argillic alteration	wk mod	silica alteration	mod	potassic	wk	py	10	po	5	cp	0.1		vcb	2	vqz	1
MKL2009	111.03	114.53	3.5	Guu igneous rock (undifferentiated)	l	grey	mg	massive	Intermediate Dyke: same as previous (quartz diorite ?) but weak pervasive carbonate alteration making unit light grey and stronger chlorite spotting. Minor disseminated py throughout (1%) but significant py at upper contact. Lower contact is sharp but undulating @ 20 DTCA.	weakly foliated	chlorite alteration	wk mod	carbonate alteration	mod	potassic	wk mod	py	2						vqz	0.1		
MKL2009	114.53	117.41	2.88	Sag argillite	d	grey black	vfg	foliated	Graphitic Argillite: black, very fine grained to aphanitic graphitic argillite with minor well foliated/laminated siltstone component. Semi-massive sulphides (py+po+cpy) within argillites and brecciated @ 116 m. Significant mm- to cm-scale, stratiform py+po stringers within siltstones. Significant carbonate alteration within brecciated semi-massive sulphide bearing argillites. Lower contact is sharp @ 40 DTCA.	laminated	carbonate alteration	mod	chlorite alteration	wk mod			py	15	po	7	cp	0.1		vcb	5	vqz	1
MKL2009	117.41	120.95	3.55	Txx crystal tuff	m	grey blue	mg	foliated	Crystal Tuff: same as previous @ 91.96 m to 93.54 m with several more carbonate veins. Lower contact is shar @ 50 DTCA.	laminated	silica alteration	wk					py	0.1						vcb	1	vqz	0.1
MKL2009	120.95	124.44	3.49	Guu igneous rock (undifferentiated)	m	grey	mg	massive	Intermediate Dyke: same as previous (quartz diorite ?) but with less py and a coupe small broken sections. Lower contact is sharp @ 30 DTCA.	weakly foliated	chlorite alteration	wk mod	potassic	v wk			py	0.1						vqz	0.1		
MKL2009	124.44	138	13.56	Sdu sediment general (undifferentiated)	m	grey	fg	foliated	Intercalated Sediments/Volcanics: same as previous but significantly less py. Eoh	laminated	silica alteration	wk					py	0.01						vqz	1		

Analytical Method						ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-	C-IR07	S-IR08	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-4ACD81	ME-	ME-	ME-	ME-	ME-	ME-	ME-	ME-	ME-
DDH	From_m	To_m	Length_m	ALS Sample	StandardID	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %	P2O5 %	SrO %	BaO %	LOI %	Total %	C %	S %	Ba ppm	Ce ppm	Cr ppm	Cs ppm	Dy ppm	Er ppm	Eu ppm	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	La ppm	Lu ppm	Nb ppm	Nd ppm	Pr ppm	Rb ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zr ppm	As ppm	Bi ppm	Hg ppm	In ppm	Re ppm	Sb ppm	Se ppm	Te ppm	Tl ppm	Ag ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm	Sc ppm	Zn ppm
MKL2006	59.33	60.30	0.97	13371		51.5	15.2	11.25	8.33	5.58	4.41	0.74	0.043	0.9	0.26	0.07	0.02	0.02	1.88	100.2	0.03	0.73	172.5	7	280	1.03	3.49	2.33	0.71	16.3	2.87	<5	1.5	0.73	2.8	0.29	2	6.8	1.11	35.5	2.36	1	224	0.1	0.45	0.21	0.37	0.05	314	2	19.3	2.23	53	1	0.11	<0.005	0.011	0.003	0.12	0.5	0.22	0.07	<0.5	<0.5	57	168	40	<1	146	4	46	98
MKL2006	67.05	68.00	0.95	13383		51.1	14.45	12.05	7.35	7.53	3.64	0.85	0.041	0.86	0.2	0.06	0.02	0.02	2.09	100.26	0.06	0.58	190	10.2	280	1.35	3	2.33	0.68	16.7	2.81	<5	1.4	0.69	4.2	0.31	2.3	7.7	1.41	42.4	2.01	1	183	0.1	0.49	0.48	0.34	0.19	299	2	17.4	2.04	56	3.1	0.09	<0.005	0.006	0.002	0.08	0.4	0.29	0.08	0.5	<0.5	38	119	50	3	100	4	42	87
MKL2006	89.00	90.00	1.00	13391		70.9	13.65	2.41	1.56	1.56	4.55	3.58	0.008	0.26	0.05	0.1	0.02	0.07	1.54	100.26	0.14	0.06	582	33.4	50	1.4	1.47	0.75	0.66	15.7	2.42	<5	2.9	0.25	17.3	0.11	4.7	14.5	3.68	107.5	2.98	<1	147	0.4	0.29	11.8	0.13	3.98	41	1	8.1	0.71	98	2.3	0.06	<0.005	0.008	0.007	0.06	<0.2	0.03	0.03	<0.5	<0.5	6	11	10	17	19	10	5	26
MKL2006	192.80	193.80	1.00	13396		66.5	14.75	3.73	3.55	2.42	4.2	3.26	0.016	0.37	0.07	0.16	0.05	0.12	1.18	100.38	0.04	0.02	1055	67.5	100	2.18	2.72	1.4	1.2	19.8	3.75	<5	4	0.42	34.4	0.18	6.7	30.2	8.04	100.5	5.08	1	423	0.6	0.45	10.3	0.16	4.48	91	1	12.1	1.29	135	1.7	0.22	<0.005	0.005	<0.001	0.05	<0.2	0.01	0.04	<0.5	<0.5	10	2	20	1	31	19	7	47

Analytical Method						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	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	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	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	Zn-OG62	CRU-QC	PUL-QC				
DDH	From_m	To_m	Length_m	ALS Sample	StandardID	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	Ge ppm	Hf ppm	In ppm	K ppm	La ppm	Li ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	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	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm2	As%	Co%	Cu %	Ni %	Pb%	Zn%	Pass2mm	Pass75um %	S.G.
MKL2001	3.00	3.75	0.75	12451		0.72	8.64	35.4	250	0.45	0.35	7.78	1.37	7.59	60.9	143	0.44	219	7.9	19.5	0.09	1	0.094	0.7	2.7	34.4	2.99	2390	1.2	2.32	2	126	280	126	13.6	0.005	0.15	0.57	44.3	1	0.6	453	0.12	0.12	0.17	0.585	0.18	0.1	272	1.8	20.3	360	25.8								74.4	91.4	
MKL2001	3.75	4.50	0.75	12452		0.54	7.18	7.6	370	0.29	0.14	5.01	0.83	6.8	50.6	116	0.58	126	7.93	14.7	0.1	0.8	0.062	0.9	2.4	38.6	3.95	2610	0.78	2.68	1.9	102.5	260	85.5	35.3	0.002	0.12	0.24	42.8	1	0.5	239	0.12	0.08	0.17	0.503	0.22	0.1	277	1.4	16.7	243	22.4									89.6	
MKL2001	4.50	5.26	0.76	12453		0.82	7.56	8.4	380	0.45	0.32	6.35	4.05	7.61	60.5	114	0.63	303	7.63	17.75	0.07	0.9	0.102	0.89	2.8	39.6	3.82	2350	2.01	2.43	2	109.5	270	146	33.9	<0.002	0.22	0.5	44.6	1	0.8	288	0.13	0.11	0.17	0.507	0.22	0.1	295	2	18.7	921	18.2										
MKL2001	5.76	6.70	0.94	12454		0.39	7.79	2.7	310	0.78	0.24	5.61	5.82	33.6	29.2	77	0.32	134	5.47	18.2	0.09	2	0.069	1.16	15.2	28.2	2.62	1520	2.29	3.41	3.4	43.4	830	112	25.4	<0.002	0.15	0.26	23.8	1	0.8	184.5	0.23	<0.05	2.69	0.395	0.2	0.9	215	2.5	15.1	1340	77.7										
MKL2001	6.70	7.70	1.00	12455		0.21	7.81	4.5	350	1.05	0.17	4.2	0.04	53.4	30.5	83	0.35	88.8	5.28	18	0.11	3.1	0.045	1.46	25.4	22.4	2.84	1230	0.07	4.15	4.9	33.5	1290	6.2	38.9	<0.002	0.22	0.26	22.3	1	1	186	0.35	<0.05	4.41	0.43	0.23	1.4	176	1.6	18.2	52	124.5										2.73
MKL2001	7.70	8.70	1.00	12456		0.14	7.63	4.3	270	1.78	0.17	3.33	<0.02	46.5	28	119	0.37	76.2	6.08	17.1	0.11	2.9	0.054	1.05	22.1	28.8	3.4	1440	0.08	4.11	4.5	46.7	1210	20.1	22.3	<0.002	0.43	0.57	21.1	1	1	209	0.32	<0.05	4.24	0.4	0.22	1.3	170	1.3	16	54	116										
MKL2001	8.70	9.70	1.00	12457		0.39	7.53	3.8	230	1.51	0.2	3.38	3.14	47.5	32.9	92	0.48	120	7.11	18.35	0.1	2.7	0.1	0.64	22.1	43.2	3.7	1920	0.09	3.88	4.8	35.1	1370	259	12.8	<0.002	0.28	0.66	23.5	1	1.1	248	0.3	0.06	3.17	0.469	0.15	1.1	197	1.3	19.1	874	110.5										
MKL2001	9.70	10.17	0.47	12458		0.41	7.46	3.6	380	1.27	0.19	3.96	9.33	38.8	33.1	92	0.51	83	7.69	17.1	0.12	2.4	0.077	0.71	16.4	54.7	3.89	2660	0.14	3.48	4.2	39.2	1400	362	18.1	0.002	0.31	0.52	25.1	1	0.8	296	0.29	<0.05	2.43	0.485	0.12	0.8	208	1.2	19.3	2370	89.3										
MKL2001	10.17	11.07	0.90	12459		0.93	7.56	8.1	520	0.63	0.25	5.25	4.46	9.18	53.1	116	0.94	185	8.49	16.95	0.07	0.8	0.12	1.32	4.1	36.1	3.79	2270	2.51	2.51	2	114.5	250	269	42.2	<0.002	0.33	0.53	45.6	1	0.7	269	0.13	0.09	0.17	0.518	0.31	0.1	292	1.6	19.2	1100	24.5										
MKL2001	11.07	12.07	1.00	12460		0.51	7.22	11.3	380	2.23	0.21	5.84	0.13	7.92	47.9	109	0.66	209	7.59	18.8	0.08	0.8	0.075	1.24	3.2	25.1	3.75	2540	1.13	2.33	1.9	94	250	9.2	51.1	<0.002	0.17	0.33	42.7	1	0.7	286	0.12	0.1	0.18	0.495	0.28	0.2	268	1.1	18	85	24.1										
MKL2001	12.07	13.00	0.93	12461		0.47	7.6	8.9	430	2.66	0.15	0.57	0.11	16.15	6.1	9	4.43	273	0.67	17.3	0.11	3	0.033	5.87	8.2	5.2	0.4	352	1.17	3.59	6.3	10.1	70	74.1	190.5	0.003	0.09	0.22	2.4	1	0.5	57.8	1.03	0.05	18.2	0.057	1.31	10.2	19	0.3	7.8	26	65.2										
MKL2001	18.00	18.80	0.80	12462		0.36	7.28	7.3	610	1.58	0.11	1.29	2.26	60.2	9	60	1.07	56	2.08	17.65	0.12	2.7	0.023	2.5	32.8	21.1	1.06	513	3.21	3.4	6.2	24.2	440	110.5	103.5	<0.002	0.05	0.22	7.5	<1	0.4	217	0.54	<0.05	10.8	0.199	0.53	4.6	55	0.5	9.1	494	85										
MKL2001	18.80	19.80	1.00	12463		0.29	7.49	5.6	370	0.75	0.07	5.01	0.63	14.4	45	108	0.6	84.2	7.7	16.65	0.08	1.3	0.059	1.21	6.3	38.4	3.45	1810	0.56	2.63	2.6	97.8	290	78.3	42.6	<0.002	0.08	0.14	41	<1	0.6	209	0.2	<0.05	1.47	0.478	0.29	0.7	258	0.6	18	192	39.7										
MKL2001	20.50	21.00	0.50	12464		0.24	7.19	11.5	130	2.34	0.03	5.02	0.1	11.25	51	117	0.24	68.4	8.22	16.3	0.09	1	0.063	0.56	4.9	33.1	3.86	2410	0.28	3.11	1.9	96.8	250	8.1	24	<0.002	0.25	0.3	44.3	1	0.6	142	0.11	<0.05	0.2	0.505	0.11	0.4	272	0.9	17.4	89	29.1										
MKL2001	23.00	24.00	1.00	12465		0.26	6.98	10.3	150	0.45	0.02	5.88	0.23	7.08	48.5	97	0.35	114.5	9.01	15.05	0.08	0.8	0.065	0.55	2.6	32.3	4.31	2580	0.19	2.34	1.8	102.5	250	8.8	23.7	0.003	0.1	0.41	39.6	1	0.5	164.5	0.11	<0.05	0.16	0.48	0.12	<0.1	256	0.7	16.9	110	17.8										
MKL2001	27.00	28.00	1.00	12466		1.04	7.63	10.3	180	0.8	0.13	4.59	17.25	27.8	58	47	0.6	216	9.46	20.7	0.08	2	0.074	0.91	11.1	22.2	2.65	2300	1.34	3.36	5.3	67.1	520	723	38.6	<0.002	0.61	0.22	30.8	1	1	165.5	0.42	0.11	4.81	0.809	0.21	2.1	288	1.3	19.6	3180	61.1										
MKL2001	28.00	29.00	1.00	12467		0.93	7.4	12.7	130	0.39	0.14	6.43	4.09	7.41	48.7	108	0.57	167	7.46	15.15	0.07	0.9	0.075	0.54	2.8	29.6	3.14	2170	0.3	3.04	1.9	111	250	149.5	25.6	<0.002	0.19	0.22	42.8	1	0.6	191.5	0.13	0.07	0.21	0.503	0.15	0.1	264	1.2	18.9	795	31.1										
MKL2001	31.14	32.14	1.00	12468		0.37	7.29	10.6	170	0.52	0.09	5.7	0.27	10.1	46.4	100	0.89	119.5	7.58	14.6	0.08	1.2	0.067	0.7	5.1	20.8	3.83	1860	1.16	2.9	2.1	101.5	240	12.6	38.2	<0.002	0.08	0.21	39.8	1	0.5	169	0.17	0.07	2.03	0.477	0.14	1.1	253	0.8	17.2	119	29.8										
MKL2001	32.14	33.00	0.86	12469		0.19	6.57	1.7	450	1.14	0.08	0.9	0.02	28.6	6.4	34	1.89	37.2	1.31	14.6	0.09	2.1	0.014	3.36	16.5	8.3	0.66	279	1.72	3.18	2.7	16.7	240	18.4	140.5	<0.002	0.04	0.12	4.7	<1	0.3	137	0.2	<0.05	17.45	0.123	0.76	6	39	0.3	4.1	17	60.5										
MKL2001	33.00	33.90	0.90	12470		0.2	6.97	3.1	590	1.77	0.06	1.22	0.03	46.9	7.8	57	1.28	29	1.7	15.55	0.14	2.8	0.021	3.11	22.8	9.2	0.99	386	0.98	3.51	5.9	21	520	17.6	120	<0.002	0.07	0.16	5.5	1	0.7	167	0.61	<0.05	12.05	0.174	0.62	5.5	45	0.5	8.8	21	83										
MKL2001	33.90	34.90	1.00	12471		0.7	7.04	5.2	190	0.41	0.22	6.46	0.35	10.85	51.2	108	0.69	225	8.65	15.7	0.1	0.8	0.064	0.8	5.1	26.2	4.2	1810	1.04	2.05	1.9	101	250	42.4	39.2	0.002	0.19	0.31	41.4	1	0.6	198	0.11	0.11	0.25	0.501	0.22	0.2	264	0.5	17.8	139	20.6										
MKL2001	40.00	41.00	1.00	12472		0.49	7.6	4.6	280	0.59	0.03	5.1	0.15	17.4	48.1	116	0.92	141	6.74	16.15	0.08	1.2	0.062	1.26	7.7	23	2.73	2000	0.73	3.24	2.7	105	330	5.9	39.6	<0.002	0.15	0.19	37.5	<1	0.7	199	0.22	0.06	2.01	0.486	0.33	0.7	257	0.9	16.9	93	39.1										
MKL2001	50.00	51.00	1.00	12473		0.55	6.76	3.4	200	0.3	0.09	5.92	0.25	7.15	53.6	117	0.62	225	8.7	15.1	0.1	0.8	0.064	0.97	2.8	28.9	4.36	2010	0.37	2	1.9	96.2	270	14	40.6	0.002	0.29	0.18	37.1	1	0.7	160	0.12	0.12	0.18	0.505	0.24	0.1	274	0.6	17.4	132	20.1										
MKL2001	55.33	56.33	1.00	12474		0.41	7.72	3.5	200	0.38	0.07	5.69	0.12	8.59	56.7	125	0.92	178.5	8.12	16.2	0.09	0.9	0.079	0.9	3.4	27.4	3.54	1930	0.37	2.72	2.1	126	270	3	45.3	0.002	1.01	0.33	44.1	2	1.1	190	0.12	0.37	0.3	0.52	0.32	0.1	272	0.6	19.5	112	29.7										
MKL2001				12475	Blank	<0.01	0.09	0.4	270	0.05	<0.01	35	0.03	1.31	0.7	2	<0.05	2.9	0.13	0.26	0.07	<0.1	<0.005	0.02	1.4	1.4	1.91	127	0.07	0.03	0.1	1.1	70	0.7	0.4	<0.002	0.01	0.06	0.4	1	<0.2	88.5	<0.05	<0.05	0.06	0.007	<0.02	0.1	3	<0.1	2.3	5	1.6										
MKL2001	56.33	57.00	0.67	12476		0.16	8.07	2	110	0.32	0.07	2.71	0.03	34.6	26	16	0.28	58.7	4.74	17.35	0.09	3.5	0.041	0.63	14.7	27.9	1.72	1180	1.02	5.62	5	33.5	590	2.6	17.6	0.002	0.91	0.2	14.8	1	1.2	99.2	0.41	0.17	2.85	0.38	0.17	0.8	130	0.6	13.2	46	134										
MKL2001	57.00	57.62	0.62	12477		0.18	8.18	2.8	130	0.36	0.07	2.73	0.02	34.2	26.9	15	0.71	97.3	4.35	17.6	0.09	3.4	0.037	0.61	14.7	24.5	1.64	1040	1.11	5.66	5	33.7	610	2.7	20.3	<0.002	0.86	0.2	15.6	<1	1.2	143	0.42	0.12	2.88	0.383	0.21	0.8	137	0.6	13.4	44	139.5										
MKL2001	57.62	58.17	0.55	12478		0.19	5.9	2	130	0.29	0.06	1.64	0.04	20.1	17	35	0.56	64.9	3.34	11.2	0.08	2.1	0.022	0.54	9.7	18.6	1.31	783	1.65	3.14	3	28.3	360	2	30.6	<0.002	0.6	0.16	12.3	<1	0.5	135	0.24	0.2	1.88	0.267	0.22	0.6	103	0.4	8.9	36	85.2										
MKL2001	58.17	58.90	0.73	12479		0.29	7.6	1.6	280	0.44	0.06	6.08	0.12	7.2	46	197	0.86	134.5	8.18	15.75	0.09	0.7	0.058	1.12	2.8	34.9	4.66	1970	0.36	1.96	1.8	151.5	230	1.6	54.3	<0.002	0.18	0.18	35.6	<1	0.8	143.5	0.12	0.13	0.33	0.45	0.36	0.2	251	0.6	15.5	83	14.9										
MKL2001				12480	Duplicate	0.19	7.43	1.3	280	0.43	0.05	5.08	0.12	6.74	46.9	202	0.91	81	7.84	15.55	0.09	0.9	0.066	1.17	2.5	34.7	4.42	1840	0.34	1.99	1.8	150	230	1.9	55.2	<0.002	0.16	0.17	35.4	<1	0.9	147	0.12	0.07	0.24	0.464	0.4	0.1	251	0.5	16.3	87	17.9										
MKL2001				12481	CDN-ME-1208	3.83	5.25	13.4	110	0.47	0.89	3.35	2.11	15.8	928	255	0.71	>10000	17.15	10.65	0.28	1.2	0.116	0.3	6.6	8.6	3.78	967	4.12	1.12	4.5	>10000	460	13.6	10.2	0.056	8.1	2.8	8.2	19	2.4	179.5	0.28	4.43	1.03	0.511	0.17	0.3	76	2	8.6	136	48.9				1.62	4.56					
MKL2001	58.90	59.90	1.00	12482		0.32	7.36	1.9	190	0.4	0.09	5.15	0.12	7.58	46.3	130	1.22	138.5	8.24	16.2	0.07	0.9	0.085	0.76	3	35.8	3.76	2020	0.49	2.52	1.9	148.5	250	2.2	44.7	<0.002	0.48	0.3	45.6	1	0.6	168	0.12	0.23	0.21	0.504	0.31	0.2	269	1.3	19.6	96	29.4										
MKL2001	63.00	64.00	1.00	12483		0.25	7.8	0.8	180	0.21	0.04	6.16	0.14	6.72	51.1	167	0.88	132	8.5	14.85	0.05	0.8	0.057	0.79	2.3	58	4.72	1720	0.18	1.9	1.8	149	260	2.3	39	0.004	0.16	0.16	40.8	1	0.5	145	0.12	0.1	0.18	0.474	0.25	<0.1	259	0.6	17.8	88	16.5										
MKL2001	64.00	65.00	1.00	12484		0.48	7.31	1.8	190	0.3	0.05	4.98	0.33	6.77	49.7	119	0.68	116.5	8.94	14.85	0.08	0.7	0.067	0.79	2.4	57.2	4.91	2010	0.26	2.04	1.9	150.5	240	2.1	39.3	<0.002	0.17	0.16	43.8	<1	0.6	134	0.11	0.28	0.18	0.492	0.26	0.1	263	1	17.5	148	23.8										
MKL2001	65.00	66.10	1.10	12485		0.62	7.27	8.9	300	1.04	0.15	1.79	0.06	23.1	14.8	15	1.14	66.6	2.52	15.4	0.08	4.2	0.038	2.64	10.2	38.4	1.27	528	2.78	3.98	5	24.8	300	27.4	98.1	<0.002	0.82	0.78	8	1	0.6	113	0.39	0.08	23.2	0.193	0.84	9.6	60	1	18.5	24	122										
MKL2001	66.10	67.00	0.90	12486		0.13	8.06	3.4	220	0.59	0.08	1.75	0.45	29.9	20.3	15	0.9	47.2	4.37	16.6	0.11	3.4	0.036	1.18	12.9	53	1.94	868	1.06	3.67	4.9	33.9	550	4.4	52.9	<0.002	1.15	0.15	16.3	1	0.8	172	0.36	0.12	3.4	0.354	0.44	1.1	122	0.5	13.2	183	125.5										
MKL2001	67.00	68.00	1.00	12487		0.42	7.78	5.5	220	0.58	0.19	2.15	0.96	34.4	30.1	19	1.21	126.5	5.08	17.75	0.12	3.2	0.088	1.26	14.8	38.7	2.03	847	1.16	3.62	4.8	52.1	550	19.6	54.9	<0.002	2.88	0.45	17.3	2	1.7	172.5	0.36	0.67	3.13	0.355	0.75	0.8	122	0.5	13.7	401	119										
MKL2001	68.00	69.00	1.00	12488		0.27	7.89	5.2	220	0.62	0.14	2.27	0.28	31.7	26	15	1.68	85.4	4.39	18.25	0.12	3.5	0.042	1.4	13.8	30.4	1.67	711	3.46	3.63	4.9	37.6	600	12.2	61.5	<0.002	2.71	0.37	17.1	2	1.5	179	0.35	0.54	3.21	0.358	1.19	0.8	125	0.5	13.8	128	128.5										
MKL2001	69.00	70.00	1.00	12489		0.39	7.45	6.4	250	1.28	0.12	2.3	1.94	32.2	51.8	46	1.88	210	5.5	18.45	0.08	3.3	0.213	1.23	13.8	34	1.57	764	6.61	2.85	3.7	79.1	500	10.3	55.9	0.005	3.11	0.2	18.2	4	1.4	162.5	0.28	0.76	3.18	0.286	0.97	0.8	118	0.6	12.7	753	117									90.4	
MKL2001	70.00	71.00	1.00	12490		0.24	8.02	3.7	230	0.79	0.11	1.57	0.25	35.1	33.3	15	1.79	184	5.36	18.5	0.1	3.4	0.039	1.35	15.1	49.7	1.6	575	1.4	2.98	2.9	55.6	610	13.1	57.9	<0.002	3.35	0.22	17.3	4	2.2	143	0.22	0.22	3.27	0.235	1.14	0.8	116	0.5	13.7	115	130								70.8	93.5	
MKL2001	71.00	71.52	0.52	12491		0.4	7.88	4.7	400	1.1	0.24	1.47	2.41	38.4	72.8	51	3.66	309	6.36	23.2	0.13	4.2	0.266	1.84	16.8	57.6	1.63	605	9.1	2.35	3.3	125	470	33.9	80.6	0.011	3.92	0.28	23	7	2.1	134	0.26	0.58	4.09	0.261	1.87	1.2	130	5.5	18.4	988	156.5										
MKL2001	71.52	71.95	0.43	12492		0.05	7.8	2	730	1.46	0.15	4.89	0.18	47.8	37.9	400	3.55	17.9	6.75	16.75	0.13	2.7	0.06	1.45	20.1	45.8	4.4	1250	17.75	2.47	4.1	114	1630	7.2	42.7	0.005	0.07	<0.05	24.8	1	1.1	569	0.22	<0.05	2.17	0.435	0.83	0.7	183	1.1	18.9	130	102										
MKL2001	71.95	72.62	0.67	12493		0.77	7.67	7.4	290	0.49	0.59	2.96	1.95	13.85	93.8	168	2.7	646	9.5	16.75	0.11	1.3	0.204	1.61	5.9	47.5	3.02	1240	1.94	2.29	2.1	174	290	23	82	0.014	6.13	0.19	41.1	7	3.4	92.1	0.15	0.8	0.9	0.452	2.05	0.2	238	0.6	17.9	826	47										
MKL2001	72.62	73.72	1.10	12494		0.19	7.13	1.5	660	1.23	0.3	5.65	1.54	41.8	46.4	511	2.18	142	7.05	15.7	0.09	2.2	0.09	1.61	15.6	59.2	5.94	1540	7.58	2.13	3.3	178.5	1350	6.4	58.6	<0.002	0.13	<0.05	30.9	<1	0.9	386	0.18	0.09	1.86	0.427	0.81	0.6	199	0.7	17.5	665	82.6										
MKL2001	73.72	74.30	0.58	12495		0.35	7.68	4.1	200	0.68	0.34	2.08	1.56	33.2	62.1	63	1.67	314	5.39	17.5	0.1	3	0.224	1.19	14.8	49.6	2.31	924	8.13	3.48	3.7	96	510	20.3	55	0.006	3.6	0.34	21.5	5	1.8	142.5	0.28	0.36	3.12	0.3	1.01	0.8	132	1.1	14.5	645	121										
MKL2001	74.30	75.20	0.90	12496		1.88	6.55	8.3	160	0.8	0.71	0.95	6.6	25.9	157	216	1.63	723	11.7	18.8	0.13	2.7	0.748	0.85	10.6	49.3	1.87	648	7.85	2.66	3.3	316	500	32.5	40	0.03	7.26	0.23	31.9	17	4.3	95.6	0.24	1.24	2.43	0.379	1.25	0.7	169	2.2	18.5	2740	82.2										
MKL2001	75.20	76.08	0.88	12497		1.18	5.54	14.3	110	0.57	0.86	0.73	9.74	32.5	161	163	1.11	642	10.75	23.4	0.13	2.4	1.21	0.94	14.6	24.4	0.86	444	17.05	2.49	3.9	245	240	46.8	39	0.044	6.82	0.25	32.2	16	6.8	50.3	0.32	0.96	3.94	0.366	1.47	1.1	143	1.9	19.4	3870	81.8										
MKL2001	76.08	77.00	0.92	12498		0.2	7.56	4.2	110	0.3	0.16	7.63	0.14	7.06	55.3	117	1.4	199	7.82	15.8	0.07	0.9	0.088	0.65	2.5	29.9	3.8	1900	0.77	1.57	1.8	124.5	250	8.9	37.5	<0.002	2.08	0.22	43.2	3	2.2	123	0.1	1.23	0.2	0.472	0.51	0.1	261	1.7	18	131	23.7										
MKL2001	79.71	80.71	1.00	12499		0.05	7.53	4.2	70	0.23	0.16	7.74	0.16	7.48	57.7	127	0.77	133	9.22	15.8	0.07	0.9	0.073	0.47	2.6	20.5	4.08	1670	0.9	1.34	2	140	260	2.5	20.6	<0.002	0.46	0.13	47.5	1	1.1	150	0.13	0.27	0.21	0.502	0.22	0.1	272	5.6	20	123	20.3										
MKL2001	80.71	81.43	0.72	12500		0.24	5.9	3.7	100	0.19	0.24	10.4	0.41	5.45	43.9	160	0.84	247	7.81	11.2	<0.05	0.7	0.11	0.4	2.2	33.9	4.82	1980	0.75	1.28	1	120.5	240	9	22.1	0.002	3.33	0.16	37.3	5	3.4	109	0.06	1.89	0.27	0.301	0.39	0.1	202	0.9	11.6	318	21.3										
MKL2001	81.43	82.00	0.57	13151		0.09	7.65	5.6	110	0.23	0.09	7.67	0.22	6.67	49.9	123	1.04	87.7	8.17	14.65	0.06	0.7	0.105	0.72	2.3	24.2	3.91	1800	0.33	1.76	1.9	134	260	4.7	35.6	<0.002	1.3	0.08	43.5	1	1.1	137	0.11	0.45	0.21	0.502	0.37	0.1	269	0.5	17.2	206	22.1								75		
MKL2001	82.00	83.00	1.00	13152		0.13	7.58	4.4	130	0.17	0.13	6.75	0.27	6.97	57.3	127	0.98	146.5	9.01	15.15	0.07	0.8	0.124	0.84	2.4	25.6	4.16	1660	0.33	1.62	1.9	137	260	5.7	47.8	<0.002	1.8	0.08	45.3	2	1.4	131	0.12	0.74	0.28	0.49	0.42	0.1	266	0.5	18.5	249	21.7										
MKL2001	83.00	83.67	0.67	13153		0.17	7.54	4.8	230	0.25	0.13	7.12	0.18	7.01	59	120	1.39	166	9.23	15.65	0.08	1	0.086	1.29	2.4	27.1	4.18	1880	0.25	1.49	1.9	138	270	7.1	76.6	<0.002	2.18	0.11	46	2	1.7	131	0.11	1.37	0.2	0.495	0.7	0.1	270	1.1	20	150	22.9										
MKL2001	83.67	84.30	0.63	13154		0.82	7.11	3.4	140	0.34	0.28	5.98	2.8	7.31	58.5	106	1.26	384	8.69	15.65	0.1	0.9	0.085	0.63	2.9	29.2	3.79	2130	0.71	2.01	1.6	134.5	250	55.5	38.7	<0.002	4.14	0.2	41.5	5	2.5	124.5	0.11	1.94	0.18	0.438	0.51	0.1	245	1.3	19.2	823	17.7										
MKL2001	84.30	85.00	0.70	13155		0.64	6.97	3.3	150	0.31	0.32	5.73	0.31	6.11	67.4	113	1.48	510	8.97	13.85	0.09	0.6	0.112	0.73	2.2	34.5	3.67	1800	0.93	1.76	1.2	157	260	11.9	44.1	0.004	4.54	0.07	38.3	6	2.8	117.5	0.08	2.25	0.17	0.389	0.68	0.1	239	108.5	16	226	17.3										2.97
MKL2001	85.00	86.00	1.00	13156		0.83	6.41	8	110	0.35	0.8	6.3	0.55	10.35	130.5	141	1.12	592	12.5	16.95	0.12	1.5	0.183	0.44	4.4	47.6	5.58	1320	3.75	1.56	2	234	320	20.7	26.1	0.009	6.61	0.32	35.2	11	4	87.6	0.14	3.4	1.34	0.33	0.66	0.4	203	1.6	18.3	731	55.1										
MKL2001	86.00	86.50	0.50	13157		0.61	6.95	8.8	140	0.28	0.46	5.63	0.34	7.72	89	122	1.18	373	10.75	16.1	0.07	1.3	0.118	0.69	2.7	31.4	5.05	1280	1.33	1.67	2	199.5	290	14.6	43.7	0.007	5.15	0.19	38.5	5	2.2	117	0.14	2.62	0.92	0.371	0.56	0.3	225	1.1	18.7	179	44.6										
MKL2001	86.50	87.00	0.50	13158		0.19	7.49	3.1	90	0.22	0.15	6.84	0.2	7.14	50.3	116	0.76	109.5	8.23	15.1	0.07	0.8	0.085	0.59	2.5	19.4	4.62	1580	0.32	1.32	1.8	134	260	6.2	32.2	<0.002	1.74	0.14	45.8	1	1	139.5	0.12	0.97	0.21	0.486	0.35	0.1	269	0.4	19.2	178	20.3										
MKL2001	87.00	88.00	1.00	13159		0.17	7.38	2.6	110	0.21	0.1	6.47	0.18	6.88	59.2	127	0.76	93.1	8.8	14.95	0.06	0.8	0.085	0.63	2.3	22.1	4.51	1560	0.27	1.53	1.9	135.5	260	5.8	31.8	<0.002	1.61	0.16	44.1	1	0.9	133	0.12	0.86	0.19	0.494	0.35	0.1	271	0.5	18.1	171	19.9										
MKL2001				13160	Duplicate	0.15	7.37	2.8	110	0.23	0.1	6.42	0.17	6.9	56.2	123	0.73	88.2	8.47	15.4	0.07	0.8	0.09	0.61	2.4	20.8	4.43	1530	0.32	1.51	1.9	133	260	5.2	30.3	<0.002	1.5	0.13	45.2	1	1	133.5	0.11	0.81	0.19	0.494	0.29	<0.1	267	0.5	17.9	168	20.9										
MKL2001				13161	CDN-ME-1208	4.15	5.53	15.7	110	0.51	0.93	3.53	2.21	16.8	965	268	0.77	>10000	17.95	11.2	0.27	1.3	0.128	0.31	7.1	9.1	3.99	1020	4.56	1.18	4.9	>10000	480	13.5	11	0.047	8.43	2.92	9.1	21	2.5	189.5	0.29	4.64	1.1	0.54	0.19	0.3	80	2.5	9.4	141	48.4				1.58	4.49					
MKL2001	88.00	89.00	1.00	13162		0.22	7.75	2	100	0.23	0.16	6.57	0.17	6.95	52	128	0.89	126.5	8.92	14.95	0.07	0.8	0.079	0.63	2.4	22.1	4.67	1560	0.28	1.45	2	165.5	260	5.3	32.4	0.002	1.72	0.12	45.4	2	1.1	137	0.12	0.94	0.2	0.519	0.28	<0.1	279	0.7	18.1	177	21.9										
MKL2001	89.00	90.00	1.00	13163		0.26	7.49	1.9	130	0.22	0.16	6.15	0.15	6.98	54	115	0.8	208	9.24	15.25	0.06	0.8	0.091	0.77	2.5	31.6	4.64	1550	0.37	1.79	1.8	145	260	6.5	42.3	<0.002	2.48	0.13	44.1	1	1.5	143	0.11	1.43	0.19	0.489	0.4	0.1	266	1.3	19.2	172	19.9										
MKL2001	90.00	91.00	1.00	13164		0.21	7.71	2.5	160	0.22	0.16	6.06	0.17	7.38	57	120	0.86	183.5	9.25	16.05	0.07	1	0.104	0.95	2.6	32	4.6	1640	0.51	1.68	2	144	260	6.8	51.9	<0.002	2.18	0.11	47.8	2	1.6	144	0.11	1.27	0.2	0.511	0.43	0.1	275	1	19	188	21.3										
MKL2001	91.00	91.91	0.91	13165		0.51	7.79	2.8	130	0.35	0.17	6.43	0.2	7.12	68.1	127	0.96	438	8.78	15.65	0.1	0.9	0.076	0.72	2.5	29.5	4.26	1480	0.61	1.74	1.8	154	270	8.9	37.9	<0.002	2.38	0.09	45.7	4	1.6	137	0.11	1.16	0.21	0.499	0.45	0.1	278	0.7	18.5	195	20.2										
MKL2001	91.91	92.91	1.00	13166		0.98	6.8	5.5	200	0.65	0.48	3.76	13.55	27.3	146.5	138	1.51	1100	9.41	22.6	0.11	2.1	1.255	0.58	11.6	45.5	2.53	828	6.16	2.11	3.5	279	380	14.9	37.7	0.018	4.88	0.09	36.8	16	3.3	111.5	0.27	3.04	3.37	0.358	0.71	0.9	197	0.6	21.9	5780	74.2										
MKL2001	92.91	93.78	0.87	13167		0.49	7.7	4.7	190	0.53	0.31	5.75	0.41	10.1	75.8	139	1.57	441	7.38	17.6	0.08	1.2	0.08	0.82	4.5	61.7	3.38	1180	2.34	1.61	2	180.5	310	19.6	25.9	0.005	3.75	0.44	35.8	7	3.9	110	0.14	1.88	0.67	0.414	0.91	0.2	244	2.1	16.5	417	34.2										
MKL2001	93.78	94.78	1.00	13168		0.18	7.17	4.7	130	0.23	0.14	8.36	0.18	6.7	52.1	117	0.73	197.5	8.48	15.05	0.06	0.8	0.071	0.49	2.6	25.5	4.06	1980	0.39	1.52	1.9	136.5	250	7.1	26.2	0.002	1.85	0.21	41.5	2	1.3	122.5	0.12	1.13	0.19	0.465	0.31	0.1	254	0.6	18.1	162	22.3										
MKL2001	94.78	95.78	1.00	13169		0.08	7.38	4.7	110	0.21	0.11	7.81	0.22	6.56	48.6	122	0.72	134	8.52	14.9	0.06	0.8	0.063	0.45	2.6	23.1	3.8	1920	0.49	1.67	1.8	134	260	4.6	21.9	0.003	1.06	0.17	40.9	1	0.8	139.5	0.12	0.76	0.2	0.474	0.26	0.1	258	0.5	17.3	161	19.9										
MKL2001	95.78	96.78	1.00	13170		0.13	7.47	2.3	100	0.24	0.09	8.11	0.16	6.39	51.2	116	0.69	223	8.4	14.85	0.06	0.8	0.065	0.44	2.5	24.8	3.71	2190	3.67	1.74	1.8	138	260	6.3	22.7	0.002	1.7	0.17	40.6	2	1.1	155	0.13	1.03	0.2	0.475	0.28	0.1	256	0.9	16.3	128	18.2										
MKL2001	99.00	99.73	0.73	13171		0.08	7.3	15.6	110	0.21	0.07	6.81	0.13	6.93	52.9	122	1.27	172	8.61	15.5	0.07	0.9	0.067	0.57	2.7	31.8	4.31	1500	0.32	1.53	1.9	130.5	240	3	33.4	0.004	0.63	0.19	42	1	0.7	132	0.12	0.33	0.18	0.475	0.31	<0.1	258	0.6	17.9	118	22.6										
MKL2001	99.73	100.73	1.00	13172		0.06	7.26	0.9	90	0.22	0.04	6.74	0.16	7.32	53.1	125	1.29	130	8.84	15.4	0.07	0.9	0.062	0.48	2.9	26.9	4.24	1550	0.3	1.71	2	129.5	260	2.4	25	0.003	0.25	0.14	42.9	<1	0.6	154.5	0.14	0.12	0.2	0.48	0.22	0.1	256	0.5	17.9	108	20.5										
MKL2001				5959		0.07	6.88	1.1	70	0.64	0.04	6.51	0.09	25.7	49.1	73	1.01	162.5	10.95	18.4	0.06	3.2	0.098	0.17	11.9	23	3.52	1680	0.71	1.93	6	78.5	850	3.4	7.4	0.003	0.26	0.15	41.6	<1	1.1	147.5	0.42	<0.05	2.21	0.927	0.12	0.5	374	1.2	32.5	80	114.5										
MKL2001	101.10	102.10	1.00	13173		0.08	7.52	0.7	80	0.27	0.03	7.48	0.17	7.06	56.1	128	0.95	174	9.13	15.75	0.07	0.9	0.059	0.4	2.8	25.6	4.45	1550	0.28	1.65	1.9	134.5	260	1.7	20.4	0.002	0.23	0.13	44.1	1	0.6	151.5	0.12	0.07	0.21	0.484	0.23	0.1	263	0.4	18.3	118	22.5										
MKL2001	112.00	113.00	1.00	13174		0.14	7.14	2.6	130	0.24	0.13	6.05	0.11	6.48	51.8	125	0.91	167.5	8.53	14.4	0.06	0.8	0.064	0.57	2.5	32.3	4.25	1440	0.31	1.99	1.8	139	240	4.7	34.7	0.002	1.5	0.12	39.7	1	1.1	141.5	0.13	0.89	0.19	0.469	0.33	0.1	253	2.5	16.9	108	29.6										
MKL2001				13175	Blank	<0.01	0.09	<0.2	20	0.07	0.01	33.4	0.02	1.09	0.9	3	<0.05	2.4	0.15	0.27	0.06	0.1	<0.005	0.01	1.3	1.4	1.84	124	0.15	0.03	0.1	1.3	70	0.6	0.4	<0.002	0.01	0.07	0.4	1	<0.2	79	<0.05	<0.05	0.05	0.007	<0.02	0.1	2	<0.1	2.1	4	1.5										
MKL2001	113.00	114.00	1.00	13176		0.06	7.57	2.1	170	0.24	0.08	6.44	0.12	6.82	49.6	132	1.11	96	9.01	15.85	0.07	0.9	0.07	0.78	2.6	29.4	4.33	1520	0.47	1.8	1.9	128	270	4.3	47.2	<0.002	0.88	0.1	42.5	2	1	163	0.13	0.47	0.19	0.506	0.37	0.1	274	1.1	18	111	23.3										
MKL2001	119.00	119.97	0.97	13177		0.13	7.39	2	170	0.39	0.06	6.72	0.15	12.9	46.8	122	1.11	139	8.03	15.85	0.08	1	0.077	0.77	6.9	30.3	4.22	1640	0.36	1.95	2.1	124	280	4.1	50.1	<0.002	0.51	0.15	41	1	1.1	155.5	0.15	0.25	1.24	0.471	0.39	0.2	257	0.7	17.4	118	32.3										
MKL2001	119.97	120.97	1.00	13178		0.04	7.13	1.4	510	2	0.03	1.07	0.03	44	4.7	40	1.38	30.1	1.54	17.35	0.1	2.7	0.013	2.75	30	19.3	0.71	304	5.11	3.3	4.5	14.4	370	16.6	100	<0.002	0.14	0.12	4.3	<1	0.7	206	0.48	0.07	18.15	0.135	0.84	6.1	35	0.5	5.9	27	72.6									91.8	
MKL2001	125.87	126.87	1.00	13179		0.08	6.87	0.8	460	1.84	0.07	1.25	0.35	47.1	8	50	1.59	34	2.29	18.45	0.09	3	0.02	2.14	29.6	29	0.93	405	20.2	3.28	4.8	23.9	470	24	83.2	0.008	0.2	0.06	6.1	1	0.7	196	0.4	0.05	15.05	0.194	0.69	5.3	53	0.9	7	176	89.9								80.9	94.3	
MKL2001	126.87	127.37	0.50	13180		0.94	7.38	4.4	150	1.14	0.83	2.75	0.4	15.3	139	149	2.02	729	9.08	21.8	0.1	1.3	0.203	0.62	7.4	44.6	2.51	1080	31	3.23	3.1	215	300	21.8	36.4	0.033	5.15	0.27	41.6	13	4	166.5	0.24	2.08	1.86	0.457	0.63	0.7	230	1.2	18.6	230	36.1									93.8	
MKL2001	127.37	128.37	1.00	13181		0.81	5.78	7.9	70	0.76	1.27	1.92	12.9	26.3	165	214	1.25	577	10.35	22.1	0.13	2.6	1.39	0.31	12.4	42.8	1.47	681	11.65	2.7	3.8	273	410	38.6	13.4	0.031	6.34	0.57	32.7	14	2.3	65.8	0.31	2.85	3.5	0.405	0.74	1.1	177	3.2	19.9	5360	93.1									97.2	
MKL2001	128.37	129.37	1.00	13182		0.66	7.39	4.5	470	0.73	0.44	1.79	5.35	26.5	103	174	3.13	797	8.21	23.1	0.08	2.2	0.594	1.75	13.6	61.3	2.36	796	15.85	2.03	2.9	180	290	28.3	80.6	0.022	4.48	0.23	28.3	9	3.2	93.6	0.25	2.01	2.5	0.321	1.51	1.1	158	2.2	16.5	2330	79.3										
MKL2001	129.37	130.00	0.63	13183		0.5	8.13	4.7	590	0.86	0.49	0.62	0.78	33.1	98.2	113	2.91	366	5.88	21.3	0.09	3.3	0.191	2.54	16.1	86.4	1.97	553	3.11	2.98	3.4	126.5	370	29.3	82.4	0.013	3.49	0.24	18.2	6	2.5	115.5	0.3	1.86	3.42	0.28	2.25	1.1	114	1.5	12.2	356	116										
MKL2001	130.00	130.50	0.50	13184		0.48	8.47	2.9	570	0.86	0.33	0.83	2.83	36.4	54.1	129	2.53	442	4.47	23.2	0.1	3.3	0.321	2.26	19.6	62.8	1.86	535	3.55	3.49	3.6	112.5	320	32.8	90.2	0.01	2.11	0.17	20.1	4	2.1	131	0.31	1.54	4.15	0.31	1.93	1.2	124	2	13.5	1160	118										
MKL2001	130.50	131.10	0.60	13185		0.17	6.81	1.1	600	1.32	0.07	0.83	2.06	28	7.8	45	2.49	47.7	1.66	15.95	0.05	3.1	0.08	2.35	17.1	25.6	0.72	296	34.7	3.08	4.5	17.6	380	18	89.9	0.01	0.39	0.11	3	1	0.7	243	0.43	0.2	11.5	0.171	0.93	4.8	40	0.9	5.7	811	97.8										
MKL2001	131.10	131.90	0.80	13186		0.84	7.77	6.9	620	1.63	0.54	1.11	6.4	33	90.7	104	1.9	500	6.99	21.6	0.11	2.6	0.728	2.47	17.8	74.8	2.03	901	5.98	2.51	4.2	160.5	330	42.4	83.2	0.03	3.67	0.27	21.4	9	3.7	94.4	0.35	2.57	4.31	0.293	1.79	1.3	125	2.2	13.6	2260	92.3										
MKL2001	131.90	132.40	0.50	13187		0.4	6.68	5.6	350	0.53	0.48	3.79	2.06	34.3	55.7	87	1.17	396	5.42	18.65	0.08	2.5	0.379	1.42	19.4	50.8	1.83	736	2.7	2.75	3.6	113	390	22.5	42.9	0.011	2.52	0.22	17.4	5	2.7	100	0.3	2.06	3.19	0.283	1.09	0.8	106	2.6	14.7	808	93.3										
MKL2001	132.40	133.00	0.60	13188		0.6	7.11	5	240	0.72	0.63	5.18	2.14	12.9	92.3	112	1.76	473	7.41	17.05	0.09	1.1	0.237	0.92	6.1	29.6	3.05	1520	24.9	2.62	2.4	153.5	280	19	45	0.019	4.51	0.19	39.2	8	4.1	152.5	0.18	2.73	1.01	0.449	0.88	0.3	228	1.4	17.9	789	32.9										
MKL2001	133.00	134.00	1.00	13189		0.48	7.45	3.7	320	0.57	0.51	6.23	1.97	15.1	78.7	96	2.36	366	8.23	19.4	0.09	1.3	0.286	1.24	6.9	41.4	3.26	2060	2.03	2.1	2.6	140	330	13.8	61.3	0.005	4.2	0.21	40.6	6	3.2	164	0.2	1.95	1.2	0.475	1.03	0.3	242	1.5	20.5	799	40.4										
MKL2001	134.00	134.70	0.70	13190		0.17	6.93	3.4	270	0.66	0.16	4.89	0.54	40.4	13.6	25	1.07	55.5	3.54	16.1	0.08	3.2	0.072	1.16	21	31.2	0.96	702	1.52	3.41	3.2	22.4	530	14.6	40.9	<0.002	2.33	0.32	8.2	1	1.3	199.5	0.3	0.25	4.14	0.183	0.56	1	55	1.7	11.6	217	117.5										
MKL2001	134.70	135.30	0.60	13191		0.37	6.88	4.9	250	0.67	0.27	5.87	0.64	36.3	43.5	53	1.42	252	6.06	16.85	0.09	2.7	0.16	1.06	19	29.4	1.46	759	5.29	2.56	2.7	72.8	410	17.4	41.9	0.006	3.36	0.36	14.2	3	2	157	0.23	0.63	3.17	0.202	0.65	0.9	84	1.4	13.3	288	99.2										
MKL2001	135.30	136.00	0.70	13192		0.12	7.53	24.8	170	0.32	0.06	5.49	0.23	6.81	51.8	134	1.48	140	8.38	15.45	0.07	1	0.07	0.76	2.6	29.3	4.05	1740	0.31	2.17	1.9	142	280	4.2	39.7	<0.002	0.55	0.23	42	2	0.7	156.5	0.14	0.19	0.22	0.494	0.35	0.1	264	0.8	16.6	187	28.9										
MKL2001	136.00	137.00	1.00	13193		0.13	7.33	5.2	250	0.44	0.04	5.15	0.12	17.2	47.4	128	1.3	168	8.98	16.25	0.09	1.7	0.074	1.05	7.3	22.5	3.25	1940	0.39	2.23	4.2	116.5	630	2.2	51	0.002	0.25	0.28	45.4	1	0.9	141	0.25	0.14	0.71	0.596	0.43	0.2	278	1.4	23.3	111	59.2										
MKL2001	137.00	138.00	1.00	13194		0.07	7.49	1.3	190	1.04	0.02	4.46	0.21	46.7	26.7	51	1.2	66	7.03	21.4	0.11	2.8	0.082	0.76	19.7	25.5	1.76	1300	1.14	2.41	11.7	41.6	1690	4.1	25.5	<0.002	0.1	0.21	19.7	<1	1.6	234	0.69	<0.05	1.11	0.7	0.22	0.4	131	0.6	31.5	130	108.5										
MKL2001	144.30	145.30	1.00	13195		0.2	7.47	2.4	190	0.46	0.06	6.11	0.77	6.4	46.4	200	0.59	98.7	7.65	14.25	0.06	0.8	0.057	0.76	3.5	33.3	3.97	1740	0.66	2.46	1.6	151	210	67.6	40.2	<0.002	0.07	0.13	42.9	<1	0.7	131.5	0.09	0.08	0.16	0.408	0.23	0.2	262	1.1	14.5	249	23.2										
MKL2001	145.30	146.00	0.70	13196		0.47	7.94	35.8	20	0.73	0.09	2.04	2.79	20.5	58	3	0.05	165.5	1.51	20.4	0.06	3.2	0.009	0.07	14.5	2	0.05	88	12.8	7.37	5.1	27	30	126.5	1.3	0.008	1.68	0.83	0.8	3	0.4	64.1	0.43	0.39	20.7	0.039	0.2	10.2	8	0.4	2.4	667	46.6										
MKL2001	146.00	147.00	1.00	13197		0.13	7.38	2.1	100	0.65	0.04	5.88	0.1	8.1	49	190	0.6	87.3	7.69	14.15	0.05	0.9	0.054	0.38	5.1	28.9	3.85	1600	0.91	2.91	1.6	146	200	9.9	21.2	<0.002	0.13	0.17	42.7	<1	0.5	110.5	0.1	0.05	0.82	0.385	0.18	0.5	246	1.4	14.4	89	22.6										
MKL2001	147.00	148.00	1.00	13198		0.35	7.27	2	90	0.23	0.04	7.07	0.16	4.93	49.1	186	0.44	135.5	8.4	13.65	0.06	0.8	0.062	0.35	1.9	40.9	4.3	1660	0.81	2.11	1.4	149	190	7.5	19.6	<0.002	0.12	0.15	42.3	1	0.4	129	0.08	0.1	0.15	0.38	0.14	0.1	249	1.1	15.2	101	19.4										
MKL2001	148.00	149.00	1.00	13199		0.32	7.48	1.8	140	0.28	0.13	7.31	0.26	6.01	47.5	175	0.65	120	8.33	13.9	0.05	1	0.054	0.49	2.4	40	3.99	1780	3.28	2.13	1.5	144	210	7.2	27.2	<0.002	0.2	0.14	41.8	1	0.5	136	0.1	0.12	0.22	0.403	0.19	0.1	254	2.8	16.2	124	23.2										
MKL2001	149.00	150.00	1.00	13200		0.54	7.71	8.1	160	0.31	0.14	7.14	1.26	6.27	50	186	0.67	140	7.83	15	0.06	0.9	0.055	0.58	2.5	32.6	3.87	1840	4.43	2.16	1.8	143	240	83.6	32.1	0.002	0.19	0.15	40.5	<1	0.6	157.5	0.13	0.13	0.18	0.446	0.21	0.1	262	4.2	16.2	289	23.5										
MKL2001	150.00	150.95	0.95	13201		0.41	8.17	5.7	190	0.44	0.2	5.41	0.4	9.89	52.7	207	0.87	158.5	7.41	17.55	0.06	1.2	0.077	0.75	3.9	27.4	2.6	2110	1.17	3.3	2.9	132.5	330	19.2	39.2	0.002	0.31	0.13	44.4	1	0.7	209	0.18	0.17	0.28	0.609	0.3	0.1	299	0.9	20.4	150	33.8										
MKL2001	150.95	152.00	1.05	13202		0.12	7.54	6.3	530	2.55	0.32	2.25	0.19	74	15.5	87	1.08	23	2.94	20.2	0.15	3.3	0.028	1.94	38.2	34.9	1.44	611	11.2	4.04	7.1	44.5	810	22.6	70	<0.002	0.02	0.17	11.6	1	0.7	237	0.56	<0.05	13.8	0.273	0.52	5.9	80	0.8	12.3	76	102.5										
MKL2001	152.00	152.50	0.50	13203		0.1	6.67	2.1	420	2.57	0.58	0.58	0.03	40.6	3.4	27	7.22	4.9	1	17.25	0.1	2.6	0.006	4.08	27	18	0.32	151	6.64	2.72	4.7	8.9	180	40.9	268	<0.002	0.02	0.15	2.3	<1	0.2	134.5	0.31	<0.05	37.9	0.105	1.39	23.4	22	0.4	2.9	14	59.1										
MKL2001	152.50	153.00	0.50	13204		0.14	7.47	2.2	360	2.43	0.36	2.08	0.07	51.3	14.4	74	0.92	28.2	2.87	18.55	0.13	2.9	0.021	1.66	28.4	32.4	1.34	536	2.01	4.09	6	43.9	400	19.5	66.9	<0.002	0.02	0.13	13.1	<1	0.4	180	0.42	<0.05	14.5	0.23	0.43	6	77	0.7	9.4	39	79.8										2.71
MKL2002	10.47	11.00	0.53	13205		0.05	7.53	1.6	180	1.29	0.14	3.46	<0.02	44.8	14.3	91	0.22	12.9	5.06	18.65	0.12	3.1	0.04	0.75	20.6	24	2.69	1210	0.48	4.79	5	41.6	1240	4.9	13.1	<0.002	0.32	0.24	21.2	1	0.9	222	0.33	0.05	4.18	0.381	0.17	1.4	142	3.4	15.9	31	112.5								70.6	89.7	2.75
MKL2002	11.00	12.00	1.00	13206		0.14	7.78	4.2	250	1.3	0.52	3.56	<0.02	51.4	44.7	104	0.26	22.2	5.68	18.4	0.15	3.6	0.044	0.9	24.2	25.2	2.89	1130	0.14	4.64	5.4	50.7	1310	13.3	20.1	<0.002	1.23	0.5	23.4	2	0.9	221	0.36	0.14	4.87	0.425	0.24	1.5	164	2.6	18.2	34	124.5									84.5	
MKL2002	12.00	13.00	1.00	13207		0.11	7.08	3.7	580	1.39	0.27	4.36	0.02	50.2	37.4	120	0.37	12	6.8	19.3	0.14	3.2	0.053	1.48	23.9	26.7	3.41	1300	0.1	3.44	5.1	54.9	1250	14.1	39.8	<0.002	1.51	0.7	23.3	2	0.9	339	0.33	0.06	4.71	0.39	0.34	1.5	162	1.2	19.1	39	115										
MKL2002	13.00	14.00	1.00	13208		0.06	7.36	1.9	420	1.47	0.15	3.79	<0.02	43.3	17.9	139	0.32	65.7	5.56	19.4	0.14	3.3	0.043	1.35	19.7	29.9	3.45	1380	0.11	4.14	5.3	47.1	1230	3.3	27.2	<0.002	0.07	0.18	23	<1	0.9	224	0.34	<0.05	4.27	0.4	0.28	1.4	161	1.2	17.6	39	122										
MKL2002	14.00	14.88	0.88	13209		0.15	7.51	2.8	460	1.48	0.22	3.37	<0.02	46.7	13.2	82	0.4	71.8	4.89	18.75	0.13	3.4	0.042	1.41	20.7	24.5	2.79	1240	0.14	4.41	5.4	35.3	1210	3.5	27.5	<0.002	0.07	0.2	21.7	1	0.9	226	0.35	0.07	4.06	0.406	0.33	1.5	169	1.2	17.1	38	124.5										
MKL2002	14.88	15.39	0.51	13210		0.31	7.49	11.3	230	1.14	0.38	2.46	0.03	28.5	37	107	0.62	145.5	3.78	17.9	0.12	3.2	0.03	2.37	13.7	11.1	2.17	1120	4.93	4.48	5.6	67	480	8.6	51.6	0.002	0.23	0.29	17.8	1	0.5	95.4	0.6	0.09	10.4	0.268	0.47	3.9	117	0.6	13	30	88.8										
MKL2002	15.39	16.00	0.61	13211		0.25	7.11	22.1	250	0.82	0.22	6.7	0.07	7.97	49.9	286	0.32	88.3	6.57	13.65	0.09	0.7	0.065	0.76	4	13.9	3.82	1580	0.84	2.99	1.7	214	220	3.5	24.5	<0.002	0.03	0.24	47.7	<1	0.6	188.5	0.09	0.12	0.2	0.436	0.2	0.1	262	1.1	15.1	70	18.7										
MKL2002	16.00	17.00	1.00	13212		0.51	7.51	12.6	320	0.76	0.3	6.55	1.02	9.23	49.2	212	0.7	101.5	7.88	15.8	0.1	0.9	0.075	1	3.7	27.1	4.05	1790	5.29	2.54	2	168.5	260	120	36.2	0.002	0.1	0.3	50.2	1	0.7	215	0.12	0.1	0.22	0.491	0.25	0.1	276	1.8	18.6	353	30										
MKL2002	17.00	18.00	1.00	13213		1.32	6.94	7.5	230	0.49	0.23	6.74	0.68	11.05	47.9	110	0.4	249	9.37	15.65	0.08	1.1	0.075	0.93	4.5	19.7	3.85	2080	4.82	2.17	2.2	127	280	61.4	29.3	0.004	0.18	0.27	59.8	1	0.6	176.5	0.14	0.1	0.22	0.543	0.22	0.1	310	1.7	22.9	246	35.5										
MKL2002	18.00	19.00	1.00	13214		0.35	7.18	7	270	0.36	0.1	6.86	0.14	8.51	53	106	1.07	205	7.57	16.15	0.08	1.5	0.069	1.06	3.3	29.1	4.03	1880	0.28	2.14	2.2	107.5	270	4.4	50.8	<0.002	0.21	0.28	48.8	1	0.5	201	0.13	0.07	0.2	0.52	0.28	0.1	277	0.9	20.1	94	28.3										
MKL2002	19.00	19.50	0.50	13215		0.3	7.71	1.8	160	0.4	0.09	5.59	0.13	8.35	52	107	0.92	154.5	8.13	17.35	0.08	1.2	0.068	0.71	3.2	38.1	4.18	1950	1.62	2.74	2.2	106	280	9	33.9	<0.002	0.04	0.15	49.1	1	0.6	240	0.15	0.05	0.21	0.554	0.18	0.1	292	1.4	19.4	93	24										
MKL2002	19.50	20.20	0.70	13216		0.25	6.98	5.9	140	0.59	0.12	7.97	1.67	11.8	41.6	84	1.37	120	6.75	15.75	0.06	1.3	0.062	0.75	5.3	41.1	4.2	1670	1.11	2.49	2.9	82.3	230	34.9	26.4	<0.002	0.1	0.22	39.5	1	0.6	159	0.33	0.05	2.4	0.435	0.15	1.4	232	1.4	18.3	520	27.8										
MKL2002	20.20	21.00	0.80	13217		0.27	7.71	1.4	200	0.31	0.08	6.03	0.22	8.33	51.2	113	0.92	142.5	8.69	18	0.08	1.1	0.071	0.87	3.1	37.3	4.4	1940	0.37	2.39	2.3	108.5	270	7.6	39.3	0.002	0.13	0.18	47.4	1	0.6	237	0.15	0.06	0.22	0.56	0.21	0.1	297	1.1	20	123	22.5										
MKL2002	21.00	22.00	1.00	13218		0.18	7.64	1.2	190	0.27	0.06	6.65	0.21	7.62	51.3	110	0.96	136	7.71	17.1	0.08	1	0.066	0.83	2.7	27.2	4.03	1710	20.1	2.31	2.4	96.4	290	7.2	40.6	0.006	0.13	0.16	48.9	<1	0.6	227	0.15	0.07	0.21	0.559	0.21	0.1	294	1.8	18.7	117	21.3										
MKL2002	22.00	23.00	1.00	13219		0.09	8.44	2.1	150	0.25	0.07	7.87	0.15	8.42	52.8	111	1.45	133	8.36	18.3	0.08	1.1	0.066	0.67	3.1	39.2	3.95	1820	0.88	1.93	2.3	114.5	290	4.1	37.5	<0.002	0.31	0.19	51.2	1	0.6	230	0.15	0.18	0.21	0.574	0.26	0.1	295	0.8	20.9	114	36.2										
MKL2002	23.00	24.00	1.00	13220		0.16	8.04	5.6	120	0.28	0.04	7.42	0.21	7.69	57	104	1.01	202	8.08	17.15	0.07	1.1	0.064	0.59	2.8	36.3	3.75	1760	0.49	2.36	2.1	148	280	30.1	32.8	<0.002	0.21	0.19	45.7	1	0.5	195	0.13	0.1	0.2	0.521	0.21	0.1	272	0.8	19.6	126	29										
MKL2002	24.00	25.00	1.00	13221		0.17	7.7	2.6	130	0.23	0.07	6.72	0.17	7.18	55.4	115	1.51	211	8.38	15.9	0.07	0.8	0.064	0.68	2.7	39.4	4.03	1780	1.46	2.01	2	157	250	7.2	42.3	0.002	0.3	0.68	41.3	1	0.5	196	0.13	0.14	0.19	0.489	0.26	0.1	263	1.1	20.4	117	20.7										
MKL2002	27.00	28.00	1.00	13222		0.18	7.99	3.1	190	0.37	0.16	6.64	0.17	8.03	54.3	119	0.76	156	8.71	18.1	0.05	1.1	0.081	0.72	3.1	47.9	3.93	2130	5.08	2.03	2.2	123.5	290	3.5	35.2	0.002	0.23	0.22	50.3	1	0.7	186	0.14	0.21	0.23	0.545	0.21	0.1	332	3	22.1	123	29.5										
MKL2002	28.00	28.75	0.75	13223		0.58	7.3	2.8	360	1.51	0.13	7.21	0.35	69.5	37.7	285	0.84	108	6.59	18.3	0.14	3.3	0.072	1.16	32.7	55.8	4.65	1460	0.3	2.33	5.7	74	1730	17.1	38.7	<0.002	0.59	0.13	30.4	1	1.2	236	0.32	1.26	4.17	0.474	0.27	1.2	203	0.8	24	183	118										
MKL2002	28.75	29.50	0.75	13224		0.14	6.3	2.7	550	1.18	0.09	6.89	0.16	57.4	42.2	355	1.24	119.5	6.9	15.05	0.14	2.9	0.067	1.28	25.6	53.9	5.85	1390	0.11	1.82	4.5	97.5	1580	12.7	46.7	<0.002	0.52	0.2	35	<1	1.1	359	0.25	0.69	3.42	0.487	0.38	1	224	0.6	20.8	101	97.6										
MKL2002				13225	Blank	0.01	0.09	0.2	20	0.07	0.02	33.7	0.02	1.25	0.8	4	<0.05	2.5	0.13	0.29	0.05	0.1	<0.005	0.02	1.3	1.5	1.6	105	0.06	0.03	0.1	1.2	80	0.8	0.5	<0.002	0.01	0.11	0.4	1	0.2	83.7	<0.05	<0.05	0.07	0.008	<0.02	0.1	2	<0.1	2.1	5	1.9										
MKL2002	29.50	30.07	0.57	13226		0.15	6.89	2.5	960	1.41	0.17	5.99	0.13	67.7	35.9	302	1.9	142.5	6.35	16.25	0.13	3.2	0.061	2.21	32.4	39.4	4.84	1330	0.39	2.06	5.3	71.5	1530	9.4	81.2	<0.002	1.31	0.16	30.5	1	1.2	422	0.29	1.48	4.46	0.448	0.51	1.3	201	0.6	21.5	104	116.5										
MKL2002	30.07	30.61	0.54	13227		0.17	7.42	4.9	170	0.65	0.06	6.05	0.11	20.8	53.7	125	1.17	140.5	8.77	18.05	0.07	2.2	0.092	0.58	9.3	33.6	3.25	1970	0.48	3	4.2	99.4	620	2.7	26.9	<0.002	0.52	0.26	45.5	2	1	221	0.28	0.28	1.34	0.721	0.21	0.4	334	1.7	26.7	89	73.2										
MKL2002	30.61	31.50	0.89	13228		0.18	8.13	4.2	240	0.26	0.16	6.49	0.17	8.18	59.3	133	1.7	199	8.43	18.1	0.06	1	0.074	0.84	3.2	34.7	3.36	2100	0.9	2.62	2.3	125.5	300	2.9	39.6	0.002	0.34	0.15	51.1	1	0.7	231	0.15	0.39	0.23	0.563	0.27	0.1	299	0.9	21.1	117	30.9										
MKL2002	36.00	37.00	1.00	13229		0.1	6.98	0.8	370	1.36	0.11	7.83	0.15	49.2	48.4	203	1.57	140	7.64	16.05	0.1	1.6	0.066	0.77	25.1	47.4	4.41	1920	6.4	2	5.6	104	1000	3.9	33.3	0.002	0.14	0.16	40.5	<1	0.7	284	0.24	0.11	1.87	0.479	0.21	0.3	252	8.1	20.5	108	55.3										
MKL2002	41.20	42.20	1.00	13230		0.39	7.53	2.5	130	0.28	0.12	8.34	0.29	8.28	55	121	0.6	213	7.23	16.8	0.08	1.7	0.073	0.46	3.1	34.8	2.63	2310	0.59	2.79	2	117.5	230	87.9	22.2	<0.002	0.33	0.19	42.7	1	0.6	201	0.14	0.17	0.18	0.514	0.16	0.1	270	1.4	22.6	136	31.2										
MKL2002	42.20	42.70	0.50	13231		0.42	7.27	1.6	160	0.23	0.16	10.4	1.61	7.13	50.6	103	0.65	171	6.4	16	0.06	1.2	0.061	0.55	2.8	25.5	2.42	2010	0.6	2.9	2	107.5	240	205	27.8	<0.002	0.27	0.19	41.4	1	0.6	227	0.13	0.2	0.19	0.49	0.18	0.1	256	0.8	18.7	520	28.5										
MKL2002	42.70	43.70	1.00	13232		0.14	2.39	9.4	10	0.1	0.05	31	0.52	2.1	22.6	23	0.05	38.1	2.06	6.44	<0.05	0.2	0.014	0.05	1.3	4	0.55	661	0.66	0.6	0.4	24.8	50	8.8	1.9	<0.002	0.74	0.46	7.7	1	0.2	41.9	<0.05	0.05	0.04	0.095	0.39	<0.1	49	0.7	4	159	5.9										
MKL2002	43.70	44.20	0.50	13233		0.29	7.39	4	180	0.34	0.03	6.96	0.24	7.92	50.3	121	0.53	185.5	7.01	14.4	0.05	1.1	0.064	0.8	3.6	23.8	2.65	1980	1.09	3.38	2	121	250	5.6	31.9	0.003	0.38	0.25	43.2	1	0.5	159	0.14	0.05	0.19	0.516	0.3	0.1	273	1	18.5	132	28.8										
MKL2002	44.20	45.20	1.00	13234		0.57	7.42	3.8	130	0.26	0.04	9.16	0.57	12.6	49.6	117	0.63	205	6.73	15.4	0.07	1.4	0.063	0.48	4.7	35.7	2.7	2350	0.53	3.02	1.9	116.5	250	16.7	22.3	0.003	0.35	0.24	46.2	1	0.6	166.5	0.14	0.17	0.2	0.5	0.19	0.1	259	0.9	30.1	207	31.4										
MKL2002	46.14	46.80	0.66	13235		0.23	7.67	1.9	210	1.08	0.04	6.9	0.46	8.46	49.5	115	1.2	146	7.64	16.55	0.06	1.2	0.08	0.7	3.4	28.2	3.51	2470	0.46	2.81	2.2	112.5	310	9.7	37.3	0.002	0.1	0.17	47.5	1	0.8	149.5	0.15	0.06	0.34	0.54	0.21	0.2	285	1.3	21.1	171	28.6										
MKL2002	46.80	47.30	0.50	13236		0.12	7.61	1.9	120	0.69	0.03	4.71	1.85	78	23.1	100	0.23	71.9	5.05	16.2	0.12	3.9	0.064	1.48	39.5	19.4	2.52	1440	20.2	4.11	7.4	58.9	810	14.6	40.3	0.014	0.14	0.16	21.6	1	1.4	46.8	0.64	<0.05	15.65	0.378	0.35	6	141	0.9	19.5	584	104.5										
MKL2002	47.30	48.00	0.70	13237		0.18	7.43	1.9	150	0.29	0.03	6.99	0.1	7.48	49.4	117	1.33	183.5	8.69	16.05	0.06	0.9	0.064	0.48	2.9	32	4.18	1740	0.29	2.08	2.1	109	270	3.7	25.8	<0.002	0.06	0.22	43.8	1	0.6	150	0.14	<0.05	0.24	0.518	0.14	0.1	275	1.1	19	88	21.7										
MKL2002	52.00	53.00	1.00	13238		0.5	6.99	0.7	110	0.24	0.07	5.41	0.76	7.47	52.7	116	0.6	243	8.84	16.05	0.06	0.9	0.07	0.41	2.9	32.2	4.26	1960	0.76	2.63	2	103	270	25.6	17.4	<0.002	0.2	0.14	44.8	1	0.6	164.5	0.13	0.08	0.21	0.515	0.2	0.1	276	0.8	18.8	260	20.8										
MKL2002	53.00	54.00	1.00	13239		0.25	7.33	1.8	70	0.29	0.06	8.22	0.11	6.04	47.5	93	0.36	167	8	16.2	0.07	0.7	0.057	0.28	2.3	26.6	3.95	1930	4.37	2.32	1.7	113.5	250	17.3	13	0.003	0.26	0.21	38.4	1	0.5	109.5	0.11	0.05	0.17	0.438	0.19	<0.1	235	0.9	16.5	74	19.4										
MKL2002				13240	Duplicate	0.62	6.76	9.7	40	0.19	0.14	6.9	0.1	6.16	100.5	104	0.23	382	9.11	15.15	0.06	0.8	0.061	0.16	2.3	22.9	4.02	1980	10.25	2.58	1.7	169.5	260	14.9	6.1	0.003	1.58	0.86	37.5	3	0.5	70.5	0.13	0.25	0.17	0.436	1.27	<0.1	235	1.1	15.7	78	18.9										
MKL2002				13241	602	>100	4.38	675	860	0.84	63.5	0.61	27.7	32.2	11.3	31	3.01	5060	2.15	24	0.15	3	6.07	0.66	17.1	21.8	0.19	232	4.97	0.43	8.6	65.2	570	1045	32	<0.002	2.13	94.6	4.6	35	6.8	457	0.68	46.4	6.83	0.213	2.03	2.9	33	14.4	6.9	4080	93	120									
MKL2002	54.00	54.80	0.80	13242		0.42	7.6	2.2	120	0.22	0.12	7.19	0.13	6.94	54	104	0.83	196.5	8.64	15.9	0.07	0.8	0.07	0.36	2.6	39.7	4.03	1850	0.21	2.34	2	139	250	3.5	18.5	0.002	0.27	0.29	41.9	1	0.5	184.5	0.13	0.07	0.2	0.487	0.13	<0.1	259	0.6	18.1	86	19.8										
MKL2002	54.80	55.30	0.50	13243		0.29	7.42	1.2	120	1.86	0.08	5.12	0.09	24.5	42.5	85	1.29	151.5	8.93	16.55	0.06	2.9	0.081	0.38	10.6	32	4.1	2140	0.29	3.11	5.6	94.7	830	34.1	15.5	0.004	0.12	0.45	43.2	1	1	139.5	0.37	<0.05	1.93	0.966	0.2	0.5	404	4.7	29.2	66	103.5										
MKL2002	55.30	56.00	0.70	13244		0.33	6.6	0.9	140	0.31	0.11	8.46	0.11	6.42	44.5	94	0.35	140	7.77	13.65	0.06	0.9	0.058	0.43	2.7	30.3	4.05	1920	0.42	2.46	1.6	122	220	7.4	16.2	0.002	0.02	0.12	36.4	1	0.4	109.5	0.11	<0.05	0.19	0.425	0.13	0.1	229	0.7	16.7	80	25.6								81.2	95.9	
MKL2002	56.00	57.00	1.00	13245		0.33	7.03	1.3	160	0.23	0.08	6.26	0.61	6.15	48	101	0.81	122.5	8.63	15.3	0.07	0.8	0.063	0.66	2.3	33.1	4.58	2000	2.52	2.18	1.8	138.5	240	14.2	25.1	0.002	0.05	0.11	30	1	0.5	161.5	0.11	0.06	0.18	0.469	0.22	<0.1	254	0.7	16.3	227	18.4									91.7	
MKL2002	57.00	57.60	0.60	13246		0.81	7.11	0.2	100	0.21	0.2	7.21	0.42	6.55	39.4	103	0.59	187	8.5	15.15	0.06	0.8	0.073	0.43	2.5	25.1	4.37	2090	4.43	2.11	1.9	125.5	220	108.5	23.6	0.003	0.06	0.12	39.6	2	0.7	81.1	0.13	0.1	0.16	0.456	0.14	<0.1	248	1.1	17.4	169	19.2										



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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

CERTIFICATE SD20041421

Project: MCARA-KITE LAKE

This report is for 105 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 21-FEB-2020.

The following have access to data associated with this certificate:

PETER DOYLE	JON EDWARDS	MIKE HENDRICKSON
SEAN HICKS	FRANK PLOEGER	MERCEDES RICH
ISAAC RIDDLE		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
OA-GRA08	Specific Gravity - Bulk Sample	WST-SEQ
Ni-OG62	Ore Grade Ni - Four Acid	

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

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

Signature:

Saa Traxler, General Manager, North Vancouver

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VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
12451		1.57	0.72	8.64	35.4	250	0.45	0.35	7.78	1.37	7.59	60.9	143	0.44	219	7.90
12452		1.58	0.54	7.18	7.6	370	0.29	0.14	5.01	0.83	6.80	50.6	116	0.58	126.0	7.93
12453		1.72	0.82	7.56	8.4	380	0.45	0.32	6.35	4.05	7.61	60.5	114	0.63	303	7.63
12454		2.78	0.39	7.79	2.7	310	0.78	0.24	5.61	5.82	33.6	29.2	77	0.32	134.0	5.47
12455		1.71	0.21	7.81	4.5	350	1.05	0.17	4.20	0.04	53.4	30.5	83	0.35	88.8	5.28
12456		1.45	0.14	7.63	4.3	270	1.78	0.17	3.33	<0.02	46.5	28.0	119	0.37	76.2	6.08
12457		2.02	0.39	7.53	3.8	230	1.51	0.20	3.38	3.14	47.5	32.9	92	0.48	120.0	7.11
12458		0.93	0.41	7.46	3.6	380	1.27	0.19	3.96	9.33	38.8	33.1	92	0.51	83.0	7.69
12459		2.13	0.93	7.56	8.1	520	0.63	0.25	5.25	4.46	9.18	53.1	116	0.94	185.0	8.49
12460		2.21	0.51	7.22	11.3	380	2.23	0.21	5.84	0.13	7.92	47.9	109	0.66	209	7.59
12461		1.74	0.47	7.60	8.9	430	2.66	0.15	0.57	0.11	16.15	6.1	9	4.43	273	0.67
12462		1.55	0.36	7.28	7.3	610	1.58	0.11	1.29	2.26	60.2	9.0	60	1.07	56.0	2.08
12463		2.22	0.29	7.49	5.6	370	0.75	0.07	5.01	0.63	14.40	45.0	108	0.60	84.2	7.70
12464		0.96	0.24	7.19	11.5	130	2.34	0.03	5.02	0.10	11.25	51.0	117	0.24	68.4	8.22
12465		2.28	0.26	6.98	10.3	150	0.45	0.02	5.88	0.23	7.08	48.5	97	0.35	114.5	9.01
12466		2.25	1.04	7.63	10.3	180	0.80	0.13	4.59	17.25	27.8	58.0	47	0.60	216	9.46
12467		2.17	0.93	7.40	12.7	130	0.39	0.14	6.43	4.09	7.41	48.7	108	0.57	167.0	7.46
12468		2.24	0.37	7.29	10.6	170	0.52	0.09	5.70	0.27	10.10	46.4	100	0.89	119.5	7.58
12469		1.89	0.19	6.57	1.7	450	1.14	0.08	0.90	0.02	28.6	6.4	34	1.89	37.2	1.31
12470		1.51	0.20	6.97	3.1	590	1.77	0.06	1.22	0.03	46.9	7.8	57	1.28	29.0	1.70
12471		2.16	0.70	7.04	5.2	190	0.41	0.22	6.46	0.35	10.85	51.2	108	0.69	225	8.65
12472		2.18	0.49	7.60	4.6	280	0.59	0.03	5.10	0.15	17.40	48.1	116	0.92	141.0	6.74
12473		2.36	0.55	6.76	3.4	200	0.30	0.09	5.92	0.25	7.15	53.6	117	0.62	225	8.70
12474		2.08	0.41	7.72	3.5	200	0.38	0.07	5.69	0.12	8.59	56.7	125	0.92	178.5	8.12
12475		0.45	<0.01	0.09	0.4	270	0.05	<0.01	35.0	0.03	1.31	0.7	2	<0.05	2.9	0.13
12476		1.38	0.16	8.07	2.0	110	0.32	0.07	2.71	0.03	34.6	26.0	16	0.28	58.7	4.74
12477		1.28	0.18	8.18	2.8	130	0.36	0.07	2.73	0.02	34.2	26.9	15	0.71	97.3	4.35
12478		1.35	0.19	5.90	2.0	130	0.29	0.06	1.64	0.04	20.1	17.0	35	0.56	64.9	3.34
12479		0.80	0.29	7.60	1.6	280	0.44	0.06	6.08	0.12	7.20	46.0	197	0.86	134.5	8.18
12480		0.66	0.19	7.43	1.3	280	0.43	0.05	5.08	0.12	6.74	46.9	202	0.91	81.0	7.84
12481		0.08	3.83	5.25	13.4	110	0.47	0.89	3.35	2.11	15.80	928	255	0.71	>10000	17.15
12482		1.96	0.32	7.36	1.9	190	0.40	0.09	5.15	0.12	7.58	46.3	130	1.22	138.5	8.24
12483		2.24	0.25	7.80	0.8	180	0.21	0.04	6.16	0.14	6.72	51.1	167	0.88	132.0	8.50
12484		2.21	0.48	7.31	1.8	190	0.30	0.05	4.98	0.33	6.77	49.7	119	0.68	116.5	8.94
12485		1.14	0.62	7.27	8.9	300	1.04	0.15	1.79	0.06	23.1	14.8	15	1.14	66.6	2.52
12486		2.08	0.13	8.06	3.4	220	0.59	0.08	1.75	0.45	29.9	20.3	15	0.90	47.2	4.37
12487		2.14	0.42	7.78	5.5	220	0.58	0.19	2.15	0.96	34.4	30.1	19	1.21	126.5	5.08
12488		2.00	0.27	7.89	5.2	220	0.62	0.14	2.27	0.28	31.7	26.0	15	1.68	85.4	4.39
12489		2.24	0.39	7.45	6.4	250	1.28	0.12	2.30	1.94	32.2	51.8	46	1.88	210	5.50
12490		2.12	0.24	8.02	3.7	230	0.79	0.11	1.57	0.25	35.1	33.3	15	1.79	184.0	5.36

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
12451		19.50	0.09	1.0	0.094	0.70	2.7	34.4	2.99	2390	1.20	2.32	2.0	126.0	280	126.0
12452		14.70	0.10	0.8	0.062	0.90	2.4	38.6	3.95	2610	0.78	2.68	1.9	102.5	260	85.5
12453		17.75	0.07	0.9	0.102	0.89	2.8	39.6	3.82	2350	2.01	2.43	2.0	109.5	270	146.0
12454		18.20	0.09	2.0	0.069	1.16	15.2	28.2	2.62	1520	2.29	3.41	3.4	43.4	830	112.0
12455		18.00	0.11	3.1	0.045	1.46	25.4	22.4	2.84	1230	0.07	4.15	4.9	33.5	1290	6.2
12456		17.10	0.11	2.9	0.054	1.05	22.1	28.8	3.40	1440	0.08	4.11	4.5	46.7	1210	20.1
12457		18.35	0.10	2.7	0.100	0.64	22.1	43.2	3.70	1920	0.09	3.88	4.8	35.1	1370	259
12458		17.10	0.12	2.4	0.077	0.71	16.4	54.7	3.89	2660	0.14	3.48	4.2	39.2	1400	362
12459		16.95	0.07	0.8	0.120	1.32	4.1	36.1	3.79	2270	2.51	2.51	2.0	114.5	250	269
12460		18.80	0.08	0.8	0.075	1.24	3.2	25.1	3.75	2540	1.13	2.33	1.9	94.0	250	9.2
12461		17.30	0.11	3.0	0.033	5.87	8.2	5.2	0.40	352	1.17	3.59	6.3	10.1	70	74.1
12462		17.65	0.12	2.7	0.023	2.50	32.8	21.1	1.06	513	3.21	3.40	6.2	24.2	440	110.5
12463		16.65	0.08	1.3	0.059	1.21	6.3	38.4	3.45	1810	0.56	2.63	2.6	97.8	290	78.3
12464		16.30	0.09	1.0	0.063	0.56	4.9	33.1	3.86	2410	0.28	3.11	1.9	96.8	250	8.1
12465		15.05	0.08	0.8	0.065	0.55	2.6	32.3	4.31	2580	0.19	2.34	1.8	102.5	250	8.8
12466		20.7	0.08	2.0	0.074	0.91	11.1	22.2	2.65	2300	1.34	3.36	5.3	67.1	520	723
12467		15.15	0.07	0.9	0.075	0.54	2.8	29.6	3.14	2170	0.30	3.04	1.9	111.0	250	149.5
12468		14.60	0.08	1.2	0.067	0.70	5.1	20.8	3.83	1860	1.16	2.90	2.1	101.5	240	12.6
12469		14.60	0.09	2.1	0.014	3.36	16.5	8.3	0.66	279	1.72	3.18	2.7	16.7	240	18.4
12470		15.55	0.14	2.8	0.021	3.11	22.8	9.2	0.99	386	0.98	3.51	5.9	21.0	520	17.6
12471		15.70	0.10	0.8	0.064	0.80	5.1	26.2	4.20	1810	1.04	2.05	1.9	101.0	250	42.4
12472		16.15	0.08	1.2	0.062	1.26	7.7	23.0	2.73	2000	0.73	3.24	2.7	105.0	330	5.9
12473		15.10	0.10	0.8	0.064	0.97	2.8	28.9	4.36	2010	0.37	2.00	1.9	96.2	270	14.0
12474		16.20	0.09	0.9	0.079	0.90	3.4	27.4	3.54	1930	0.37	2.72	2.1	126.0	270	3.0
12475		0.26	0.07	<0.1	<0.005	0.02	1.4	1.4	1.91	127	0.07	0.03	0.1	1.1	70	0.7
12476		17.35	0.09	3.5	0.041	0.63	14.7	27.9	1.72	1180	1.02	5.62	5.0	33.5	590	2.6
12477		17.60	0.09	3.4	0.037	0.61	14.7	24.5	1.64	1040	1.11	5.66	5.0	33.7	610	2.7
12478		11.20	0.08	2.1	0.022	0.54	9.7	18.6	1.31	783	1.65	3.14	3.0	28.3	360	2.0
12479		15.75	0.09	0.7	0.058	1.12	2.8	34.9	4.66	1970	0.36	1.96	1.8	151.5	230	1.6
12480		15.55	0.09	0.9	0.066	1.17	2.5	34.7	4.42	1840	0.34	1.99	1.8	150.0	230	1.9
12481		10.65	0.28	1.2	0.116	0.30	6.6	8.6	3.78	967	4.12	1.12	4.5	>10000	460	13.6
12482		16.20	0.07	0.9	0.085	0.76	3.0	35.8	3.76	2020	0.49	2.52	1.9	148.5	250	2.2
12483		14.85	0.05	0.8	0.057	0.79	2.3	58.0	4.72	1720	0.18	1.90	1.8	149.0	260	2.3
12484		14.85	0.08	0.7	0.067	0.79	2.4	57.2	4.91	2010	0.26	2.04	1.9	150.5	240	2.1
12485		15.40	0.08	4.2	0.038	2.64	10.2	38.4	1.27	528	2.78	3.98	5.0	24.8	300	27.4
12486		16.60	0.11	3.4	0.036	1.18	12.9	53.0	1.94	868	1.06	3.67	4.9	33.9	550	4.4
12487		17.75	0.12	3.2	0.088	1.26	14.8	38.7	2.03	847	1.16	3.62	4.8	52.1	550	19.6
12488		18.25	0.12	3.5	0.042	1.40	13.8	30.4	1.67	711	3.46	3.63	4.9	37.6	600	12.2
12489		18.45	0.08	3.3	0.213	1.23	13.8	34.0	1.57	764	6.61	2.85	3.7	79.1	500	10.3
12490		18.50	0.10	3.4	0.039	1.35	15.1	49.7	1.60	575	1.40	2.98	2.9	55.6	610	13.1

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
12451		13.6	0.005	0.15	0.57	44.3	1	0.6	453	0.12	0.12	0.17	0.585	0.18	0.1	272
12452		35.3	0.002	0.12	0.24	42.8	1	0.5	239	0.12	0.08	0.17	0.503	0.22	0.1	277
12453		33.9	<0.002	0.22	0.50	44.6	1	0.8	288	0.13	0.11	0.17	0.507	0.22	0.1	295
12454		25.4	<0.002	0.15	0.26	23.8	1	0.8	184.5	0.23	<0.05	2.69	0.395	0.20	0.9	215
12455		38.9	<0.002	0.22	0.26	22.3	1	1.0	186.0	0.35	<0.05	4.41	0.430	0.23	1.4	176
12456		22.3	<0.002	0.43	0.57	21.1	1	1.0	209	0.32	<0.05	4.24	0.400	0.22	1.3	170
12457		12.8	<0.002	0.28	0.66	23.5	1	1.1	248	0.30	0.06	3.17	0.469	0.15	1.1	197
12458		18.1	0.002	0.31	0.52	25.1	1	0.8	296	0.29	<0.05	2.43	0.485	0.12	0.8	208
12459		42.2	<0.002	0.33	0.53	45.6	1	0.7	269	0.13	0.09	0.17	0.518	0.31	0.1	292
12460		51.1	<0.002	0.17	0.33	42.7	1	0.7	286	0.12	0.10	0.18	0.495	0.28	0.2	268
12461		190.5	0.003	0.09	0.22	2.4	1	0.5	57.8	1.03	0.05	18.20	0.057	1.31	10.2	19
12462		103.5	<0.002	0.05	0.22	7.5	<1	0.4	217	0.54	<0.05	10.80	0.199	0.53	4.6	55
12463		42.6	<0.002	0.08	0.14	41.0	<1	0.6	209	0.20	<0.05	1.47	0.478	0.29	0.7	258
12464		24.0	<0.002	0.25	0.30	44.3	1	0.6	142.0	0.11	<0.05	0.20	0.505	0.11	0.4	272
12465		23.7	0.003	0.10	0.41	39.6	1	0.5	164.5	0.11	<0.05	0.16	0.480	0.12	<0.1	256
12466		38.6	<0.002	0.61	0.22	30.8	1	1.0	165.5	0.42	0.11	4.81	0.809	0.21	2.1	288
12467		25.6	<0.002	0.19	0.22	42.8	1	0.6	191.5	0.13	0.07	0.21	0.503	0.15	0.1	264
12468		38.2	<0.002	0.08	0.21	39.8	1	0.5	169.0	0.17	0.07	2.03	0.477	0.14	1.1	253
12469		140.5	<0.002	0.04	0.12	4.7	<1	0.3	137.0	0.20	<0.05	17.45	0.123	0.76	6.0	39
12470		120.0	<0.002	0.07	0.16	5.5	1	0.7	167.0	0.61	<0.05	12.05	0.174	0.62	5.5	45
12471		39.2	0.002	0.19	0.31	41.4	1	0.6	198.0	0.11	0.11	0.25	0.501	0.22	0.2	264
12472		39.6	<0.002	0.15	0.19	37.5	<1	0.7	199.0	0.22	0.06	2.01	0.486	0.33	0.7	257
12473		40.6	0.002	0.29	0.18	37.1	1	0.7	160.0	0.12	0.12	0.18	0.505	0.24	0.1	274
12474		45.3	0.002	1.01	0.33	44.1	2	1.1	190.0	0.12	0.37	0.30	0.520	0.32	0.1	272
12475		0.4	<0.002	0.01	0.06	0.4	1	<0.2	88.5	<0.05	<0.05	0.06	0.007	<0.02	0.1	3
12476		17.6	0.002	0.91	0.20	14.8	1	1.2	99.2	0.41	0.17	2.85	0.380	0.17	0.8	130
12477		20.3	<0.002	0.86	0.20	15.6	<1	1.2	143.0	0.42	0.12	2.88	0.383	0.21	0.8	137
12478		30.6	<0.002	0.60	0.16	12.3	<1	0.5	135.0	0.24	0.20	1.88	0.267	0.22	0.6	103
12479		54.3	<0.002	0.18	0.18	35.6	<1	0.8	143.5	0.12	0.13	0.33	0.450	0.36	0.2	251
12480		55.2	<0.002	0.16	0.17	35.4	<1	0.9	147.0	0.12	0.07	0.24	0.464	0.40	0.1	251
12481		10.2	0.056	8.10	2.80	8.2	19	2.4	179.5	0.28	4.43	1.03	0.511	0.17	0.3	76
12482		44.7	<0.002	0.48	0.30	45.6	1	0.6	168.0	0.12	0.23	0.21	0.504	0.31	0.2	269
12483		39.0	0.004	0.16	0.16	40.8	1	0.5	145.0	0.12	0.10	0.18	0.474	0.25	<0.1	259
12484		39.3	<0.002	0.17	0.16	43.8	<1	0.6	134.0	0.11	0.28	0.18	0.492	0.26	0.1	263
12485		98.1	<0.002	0.82	0.78	8.0	1	0.6	113.0	0.39	0.08	23.2	0.193	0.84	9.6	60
12486		52.9	<0.002	1.15	0.15	16.3	1	0.8	172.0	0.36	0.12	3.40	0.354	0.44	1.1	122
12487		54.9	<0.002	2.88	0.45	17.3	2	1.7	172.5	0.36	0.67	3.13	0.355	0.75	0.8	122
12488		61.5	<0.002	2.71	0.37	17.1	2	1.5	179.0	0.35	0.54	3.21	0.358	1.19	0.8	125
12489		55.9	0.005	3.11	0.20	18.2	4	1.4	162.5	0.28	0.76	3.18	0.286	0.97	0.8	118
12490		57.9	<0.002	3.35	0.22	17.3	4	2.2	143.0	0.22	0.22	3.27	0.235	1.14	0.8	116

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC	OA-GRA08
	Analyte	W	Y	Zn	Zr	Cu	Ni	Pass2mm	Pass75um	S.G.
	Units	ppm	ppm	ppm	ppm	%	%	%	%	Unity
	LOD	0.1	0.1	2	0.5	0.001	0.001	0.01	0.01	0.01
12451		1.8	20.3	360	25.8			74.4	91.4	
12452		1.4	16.7	243	22.4				89.6	
12453		2.0	18.7	921	18.2					
12454		2.5	15.1	1340	77.7					
12455		1.6	18.2	52	124.5					2.73
12456		1.3	16.0	54	116.0					
12457		1.3	19.1	874	110.5					
12458		1.2	19.3	2370	89.3					
12459		1.6	19.2	1100	24.5					
12460		1.1	18.0	85	24.1					
12461		0.3	7.8	26	65.2					
12462		0.5	9.1	494	85.0					
12463		0.6	18.0	192	39.7					
12464		0.9	17.4	89	29.1					
12465		0.7	16.9	110	17.8					
12466		1.3	19.6	3180	61.1					
12467		1.2	18.9	795	31.1					
12468		0.8	17.2	119	29.8					
12469		0.3	4.1	17	60.5					
12470		0.5	8.8	21	83.0					
12471		0.5	17.8	139	20.6					
12472		0.9	16.9	93	39.1					
12473		0.6	17.4	132	20.1					
12474		0.6	19.5	112	29.7					
12475		<0.1	2.3	5	1.6					
12476		0.6	13.2	46	134.0					
12477		0.6	13.4	44	139.5					
12478		0.4	8.9	36	85.2					
12479		0.6	15.5	83	14.9					
12480		0.5	16.3	87	17.9					
12481		2.0	8.6	136	48.9	1.620	4.56			
12482		1.3	19.6	96	29.4					
12483		0.6	17.8	88	16.5					
12484		1.0	17.5	148	23.8					
12485		1.0	18.5	24	122.0					
12486		0.5	13.2	183	125.5					
12487		0.5	13.7	401	119.0					
12488		0.5	13.8	128	128.5					
12489		0.6	12.7	753	117.0				90.4	
12490		0.5	13.7	115	130.0			70.8	93.5	

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
12491		1.12	0.40	7.88	4.7	400	1.10	0.24	1.47	2.41	38.4	72.8	51	3.66	309	6.36
12492		0.87	0.05	7.80	2.0	730	1.46	0.15	4.89	0.18	47.8	37.9	400	3.55	17.9	6.75
12493		1.48	0.77	7.67	7.4	290	0.49	0.59	2.96	1.95	13.85	93.8	168	2.70	646	9.50
12494		2.31	0.19	7.13	1.5	660	1.23	0.30	5.65	1.54	41.8	46.4	511	2.18	142.0	7.05
12495		1.23	0.35	7.68	4.1	200	0.68	0.34	2.08	1.56	33.2	62.1	63	1.67	314	5.39
12496		1.61	1.88	6.55	8.3	160	0.80	0.71	0.95	6.60	25.9	157.0	216	1.63	723	11.70
12497		1.87	1.18	5.54	14.3	110	0.57	0.86	0.73	9.74	32.5	161.0	163	1.11	642	10.75
12498		2.19	0.20	7.56	4.2	110	0.30	0.16	7.63	0.14	7.06	55.3	117	1.40	199.0	7.82
12499		2.28	0.05	7.53	4.2	70	0.23	0.16	7.74	0.16	7.48	57.7	127	0.77	133.0	9.22
12500		1.62	0.24	5.90	3.7	100	0.19	0.24	10.40	0.41	5.45	43.9	160	0.84	247	7.81
13151		1.34	0.09	7.65	5.6	110	0.23	0.09	7.67	0.22	6.67	49.9	123	1.04	87.7	8.17
13152		2.55	0.13	7.58	4.4	130	0.17	0.13	6.75	0.27	6.97	57.3	127	0.98	146.5	9.01
13153		1.34	0.17	7.54	4.8	230	0.25	0.13	7.12	0.18	7.01	59.0	120	1.39	166.0	9.23
13154		1.56	0.82	7.11	3.4	140	0.34	0.28	5.98	2.80	7.31	58.5	106	1.26	384	8.69
13155		1.43	0.64	6.97	3.3	150	0.31	0.32	5.73	0.31	6.11	67.4	113	1.48	510	8.97
13156		2.22	0.83	6.41	8.0	110	0.35	0.80	6.30	0.55	10.35	130.5	141	1.12	592	12.50
13157		1.19	0.61	6.95	8.8	140	0.28	0.46	5.63	0.34	7.72	89.0	122	1.18	373	10.75
13158		1.09	0.19	7.49	3.1	90	0.22	0.15	6.84	0.20	7.14	50.3	116	0.76	109.5	8.23
13159		1.10	0.17	7.38	2.6	110	0.21	0.10	6.47	0.18	6.88	59.2	127	0.76	93.1	8.80
13160		1.00	0.15	7.37	2.8	110	0.23	0.10	6.42	0.17	6.90	56.2	123	0.73	88.2	8.47
13161		0.08	4.15	5.53	15.7	110	0.51	0.93	3.53	2.21	16.80	965	268	0.77	>10000	17.95
13162		2.11	0.22	7.75	2.0	100	0.23	0.16	6.57	0.17	6.95	52.0	128	0.89	126.5	8.92
13163		2.57	0.26	7.49	1.9	130	0.22	0.16	6.15	0.15	6.98	54.0	115	0.80	208	9.24
13164		2.35	0.21	7.71	2.5	160	0.22	0.16	6.06	0.17	7.38	57.0	120	0.86	183.5	9.25
13165		2.14	0.51	7.79	2.8	130	0.35	0.17	6.43	0.20	7.12	68.1	127	0.96	438	8.78
13166		2.28	0.98	6.80	5.5	200	0.65	0.48	3.76	13.55	27.3	146.5	138	1.51	1100	9.41
13167		2.10	0.49	7.70	4.7	190	0.53	0.31	5.75	0.41	10.10	75.8	139	1.57	441	7.38
13168		2.20	0.18	7.17	4.7	130	0.23	0.14	8.36	0.18	6.70	52.1	117	0.73	197.5	8.48
13169		2.37	0.08	7.38	4.7	110	0.21	0.11	7.81	0.22	6.56	48.6	122	0.72	134.0	8.52
13170		2.30	0.13	7.47	2.3	100	0.24	0.09	8.11	0.16	6.39	51.2	116	0.69	223	8.40
13171		1.54	0.08	7.30	15.6	110	0.21	0.07	6.81	0.13	6.93	52.9	122	1.27	172.0	8.61
13172		2.30	0.06	7.26	0.9	90	0.22	0.04	6.74	0.16	7.32	53.1	125	1.29	130.0	8.84
5959		0.82	0.07	6.88	1.1	70	0.64	0.04	6.51	0.09	25.7	49.1	73	1.01	162.5	10.95
13173		2.30	0.08	7.52	0.7	80	0.27	0.03	7.48	0.17	7.06	56.1	128	0.95	174.0	9.13
13174		2.29	0.14	7.14	2.6	130	0.24	0.13	6.05	0.11	6.48	51.8	125	0.91	167.5	8.53
13175		0.44	<0.01	0.09	<0.2	20	0.07	0.01	33.4	0.02	1.09	0.9	3	<0.05	2.4	0.15
13176		2.35	0.06	7.57	2.1	170	0.24	0.08	6.44	0.12	6.82	49.6	132	1.11	96.0	9.01
13177		2.18	0.13	7.39	2.0	170	0.39	0.06	6.72	0.15	12.90	46.8	122	1.11	139.0	8.03
13178		1.87	0.04	7.13	1.4	510	2.00	0.03	1.07	0.03	44.0	4.7	40	1.38	30.1	1.54
13179		2.16	0.08	6.87	0.8	460	1.84	0.07	1.25	0.35	47.1	8.0	50	1.59	34.0	2.29

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
12491		23.2	0.13	4.2	0.266	1.84	16.8	57.6	1.63	605	9.10	2.35	3.3	125.0	470	33.9
12492		16.75	0.13	2.7	0.060	1.45	20.1	45.8	4.40	1250	17.75	2.47	4.1	114.0	1630	7.2
12493		16.75	0.11	1.3	0.204	1.61	5.9	47.5	3.02	1240	1.94	2.29	2.1	174.0	290	23.0
12494		15.70	0.09	2.2	0.090	1.61	15.6	59.2	5.94	1540	7.58	2.13	3.3	178.5	1350	6.4
12495		17.50	0.10	3.0	0.224	1.19	14.8	49.6	2.31	924	8.13	3.48	3.7	96.0	510	20.3
12496		18.80	0.13	2.7	0.748	0.85	10.6	49.3	1.87	648	7.85	2.66	3.3	316	500	32.5
12497		23.4	0.13	2.4	1.210	0.94	14.6	24.4	0.86	444	17.05	2.49	3.9	245	240	46.8
12498		15.80	0.07	0.9	0.088	0.65	2.5	29.9	3.80	1900	0.77	1.57	1.8	124.5	250	8.9
12499		15.80	0.07	0.9	0.073	0.47	2.6	20.5	4.08	1670	0.90	1.34	2.0	140.0	260	2.5
12500		11.20	<0.05	0.7	0.110	0.40	2.2	33.9	4.82	1980	0.75	1.28	1.0	120.5	240	9.0
13151		14.65	0.06	0.7	0.105	0.72	2.3	24.2	3.91	1800	0.33	1.76	1.9	134.0	260	4.7
13152		15.15	0.07	0.8	0.124	0.84	2.4	25.6	4.16	1660	0.33	1.62	1.9	137.0	260	5.7
13153		15.65	0.08	1.0	0.086	1.29	2.4	27.1	4.18	1880	0.25	1.49	1.9	138.0	270	7.1
13154		15.65	0.10	0.9	0.085	0.63	2.9	29.2	3.79	2130	0.71	2.01	1.6	134.5	250	55.5
13155		13.85	0.09	0.6	0.112	0.73	2.2	34.5	3.67	1800	0.93	1.76	1.2	157.0	260	11.9
13156		16.95	0.12	1.5	0.183	0.44	4.4	47.6	5.58	1320	3.75	1.56	2.0	234	320	20.7
13157		16.10	0.07	1.3	0.118	0.69	2.7	31.4	5.05	1280	1.33	1.67	2.0	199.5	290	14.6
13158		15.10	0.07	0.8	0.085	0.59	2.5	19.4	4.62	1580	0.32	1.32	1.8	134.0	260	6.2
13159		14.95	0.06	0.8	0.085	0.63	2.3	22.1	4.51	1560	0.27	1.53	1.9	135.5	260	5.8
13160		15.40	0.07	0.8	0.090	0.61	2.4	20.8	4.43	1530	0.32	1.51	1.9	133.0	260	5.2
13161		11.20	0.27	1.3	0.128	0.31	7.1	9.1	3.99	1020	4.56	1.18	4.9	>10000	480	13.5
13162		14.95	0.07	0.8	0.079	0.63	2.4	22.1	4.67	1560	0.28	1.45	2.0	165.5	260	5.3
13163		15.25	0.06	0.8	0.091	0.77	2.5	31.6	4.64	1550	0.37	1.79	1.8	145.0	260	6.5
13164		16.05	0.07	1.0	0.104	0.95	2.6	32.0	4.60	1640	0.51	1.68	2.0	144.0	260	6.8
13165		15.65	0.10	0.9	0.076	0.72	2.5	29.5	4.26	1480	0.61	1.74	1.8	154.0	270	8.9
13166		22.6	0.11	2.1	1.255	0.58	11.6	45.5	2.53	828	6.16	2.11	3.5	279	380	14.9
13167		17.60	0.08	1.2	0.080	0.82	4.5	61.7	3.38	1180	2.34	1.61	2.0	180.5	310	19.6
13168		15.05	0.06	0.8	0.071	0.49	2.6	25.5	4.06	1980	0.39	1.52	1.9	136.5	250	7.1
13169		14.90	0.06	0.8	0.063	0.45	2.6	23.1	3.80	1920	0.49	1.67	1.8	134.0	260	4.6
13170		14.85	0.06	0.8	0.065	0.44	2.5	24.8	3.71	2190	3.67	1.74	1.8	138.0	260	6.3
13171		15.50	0.07	0.9	0.067	0.57	2.7	31.8	4.31	1500	0.32	1.53	1.9	130.5	240	3.0
13172		15.40	0.07	0.9	0.062	0.48	2.9	26.9	4.24	1550	0.30	1.71	2.0	129.5	260	2.4
5959		18.40	0.06	3.2	0.098	0.17	11.9	23.0	3.52	1680	0.71	1.93	6.0	78.5	850	3.4
13173		15.75	0.07	0.9	0.059	0.40	2.8	25.6	4.45	1550	0.28	1.65	1.9	134.5	260	1.7
13174		14.40	0.06	0.8	0.064	0.57	2.5	32.3	4.25	1440	0.31	1.99	1.8	139.0	240	4.7
13175		0.27	0.06	0.1	<0.005	0.01	1.3	1.4	1.84	124	0.15	0.03	0.1	1.3	70	0.6
13176		15.85	0.07	0.9	0.070	0.78	2.6	29.4	4.33	1520	0.47	1.80	1.9	128.0	270	4.3
13177		15.85	0.08	1.0	0.077	0.77	6.9	30.3	4.22	1640	0.36	1.95	2.1	124.0	280	4.1
13178		17.35	0.10	2.7	0.013	2.75	30.0	19.3	0.71	304	5.11	3.30	4.5	14.4	370	16.6
13179		18.45	0.09	3.0	0.020	2.14	29.6	29.0	0.93	405	20.2	3.28	4.8	23.9	470	24.0

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
12491		80.6	0.011	3.92	0.28	23.0	7	2.1	134.0	0.26	0.58	4.09	0.261	1.87	1.2	130
12492		42.7	0.005	0.07	<0.05	24.8	1	1.1	569	0.22	<0.05	2.17	0.435	0.83	0.7	183
12493		82.0	0.014	6.13	0.19	41.1	7	3.4	92.1	0.15	0.80	0.90	0.452	2.05	0.2	238
12494		58.6	<0.002	0.13	<0.05	30.9	<1	0.9	386	0.18	0.09	1.86	0.427	0.81	0.6	199
12495		55.0	0.006	3.60	0.34	21.5	5	1.8	142.5	0.28	0.36	3.12	0.300	1.01	0.8	132
12496		40.0	0.030	7.26	0.23	31.9	17	4.3	95.6	0.24	1.24	2.43	0.379	1.25	0.7	169
12497		39.0	0.044	6.82	0.25	32.2	16	6.8	50.3	0.32	0.96	3.94	0.366	1.47	1.1	143
12498		37.5	<0.002	2.08	0.22	43.2	3	2.2	123.0	0.10	1.23	0.20	0.472	0.51	0.1	261
12499		20.6	<0.002	0.46	0.13	47.5	1	1.1	150.0	0.13	0.27	0.21	0.502	0.22	0.1	272
12500		22.1	0.002	3.33	0.16	37.3	5	3.4	109.0	0.06	1.89	0.27	0.301	0.39	0.1	202
13151		35.6	<0.002	1.30	0.08	43.5	1	1.1	137.0	0.11	0.45	0.21	0.502	0.37	0.1	269
13152		47.8	<0.002	1.80	0.08	45.3	2	1.4	131.0	0.12	0.74	0.28	0.490	0.42	0.1	266
13153		76.6	<0.002	2.18	0.11	46.0	2	1.7	131.0	0.11	1.37	0.20	0.495	0.70	0.1	270
13154		38.7	<0.002	4.14	0.20	41.5	5	2.5	124.5	0.11	1.94	0.18	0.438	0.51	0.1	245
13155		44.1	0.004	4.54	0.07	38.3	6	2.8	117.5	0.08	2.25	0.17	0.389	0.68	0.1	239
13156		26.1	0.009	6.61	0.32	35.2	11	4.0	87.6	0.14	3.40	1.34	0.330	0.66	0.4	203
13157		43.7	0.007	5.15	0.19	38.5	5	2.2	117.0	0.14	2.62	0.92	0.371	0.56	0.3	225
13158		32.2	<0.002	1.74	0.14	45.8	1	1.0	139.5	0.12	0.97	0.21	0.486	0.35	0.1	269
13159		31.8	<0.002	1.61	0.16	44.1	1	0.9	133.0	0.12	0.86	0.19	0.494	0.35	0.1	271
13160		30.3	<0.002	1.50	0.13	45.2	1	1.0	133.5	0.11	0.81	0.19	0.494	0.29	<0.1	267
13161		11.0	0.047	8.43	2.92	9.1	21	2.5	189.5	0.29	4.64	1.10	0.540	0.19	0.3	80
13162		32.4	0.002	1.72	0.12	45.4	2	1.1	137.0	0.12	0.94	0.20	0.519	0.28	<0.1	279
13163		42.3	<0.002	2.48	0.13	44.1	1	1.5	143.0	0.11	1.43	0.19	0.489	0.40	0.1	266
13164		51.9	<0.002	2.18	0.11	47.8	2	1.6	144.0	0.11	1.27	0.20	0.511	0.43	0.1	275
13165		37.9	<0.002	2.38	0.09	45.7	4	1.6	137.0	0.11	1.16	0.21	0.499	0.45	0.1	278
13166		37.7	0.018	4.88	0.09	36.8	16	3.3	111.5	0.27	3.04	3.37	0.358	0.71	0.9	197
13167		25.9	0.005	3.75	0.44	35.8	7	3.9	110.0	0.14	1.88	0.67	0.414	0.91	0.2	244
13168		26.2	0.002	1.85	0.21	41.5	2	1.3	122.5	0.12	1.13	0.19	0.465	0.31	0.1	254
13169		21.9	0.003	1.06	0.17	40.9	1	0.8	139.5	0.12	0.76	0.20	0.474	0.26	0.1	258
13170		22.7	0.002	1.70	0.17	40.6	2	1.1	155.0	0.13	1.03	0.20	0.475	0.28	0.1	256
13171		33.4	0.004	0.63	0.19	42.0	1	0.7	132.0	0.12	0.33	0.18	0.475	0.31	<0.1	258
13172		25.0	0.003	0.25	0.14	42.9	<1	0.6	154.5	0.14	0.12	0.20	0.480	0.22	0.1	256
5959		7.4	0.003	0.26	0.15	41.6	<1	1.1	147.5	0.42	<0.05	2.21	0.927	0.12	0.5	374
13173		20.4	0.002	0.23	0.13	44.1	1	0.6	151.5	0.12	0.07	0.21	0.484	0.23	0.1	263
13174		34.7	0.002	1.50	0.12	39.7	1	1.1	141.5	0.13	0.89	0.19	0.469	0.33	0.1	253
13175		0.4	<0.002	0.01	0.07	0.4	1	<0.2	79.0	<0.05	<0.05	0.05	0.007	<0.02	0.1	2
13176		47.2	<0.002	0.88	0.10	42.5	2	1.0	163.0	0.13	0.47	0.19	0.506	0.37	0.1	274
13177		50.1	<0.002	0.51	0.15	41.0	1	1.1	155.5	0.15	0.25	1.24	0.471	0.39	0.2	257
13178		100.0	<0.002	0.14	0.12	4.3	<1	0.7	206	0.48	0.07	18.15	0.135	0.84	6.1	35
13179		83.2	0.008	0.20	0.06	6.1	1	0.7	196.0	0.40	0.05	15.05	0.194	0.69	5.3	53

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
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VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC	OA-GRA08
	Analyte	W	Y	Zn	Zr	Cu	Ni	Pass2mm	Pass75um	S.G.
	Units	ppm	ppm	ppm	ppm	%	%	%	%	Unity
	LOD	0.1	0.1	2	0.5	0.001	0.001	0.01	0.01	0.01
12491		5.5	18.4	988	156.5					
12492		1.1	18.9	130	102.0					
12493		0.6	17.9	826	47.0					
12494		0.7	17.5	665	82.6					
12495		1.1	14.5	645	121.0					
12496		2.2	18.5	2740	82.2					
12497		1.9	19.4	3870	81.8					
12498		1.7	18.0	131	23.7					
12499		5.6	20.0	123	20.3					
12500		0.9	11.6	318	21.3					
13151		0.5	17.2	206	22.1			75.0		
13152		0.5	18.5	249	21.7					
13153		1.1	20.0	150	22.9					
13154		1.3	19.2	823	17.7					
13155		108.5	16.0	226	17.3					2.97
13156		1.6	18.3	731	55.1					
13157		1.1	18.7	179	44.6					
13158		0.4	19.2	178	20.3					
13159		0.5	18.1	171	19.9					
13160		0.5	17.9	168	20.9					
13161		2.5	9.4	141	48.4	1.580	4.49			
13162		0.7	18.1	177	21.9					
13163		1.3	19.2	172	19.9					
13164		1.0	19.0	188	21.3					
13165		0.7	18.5	195	20.2					
13166		0.6	21.9	5780	74.2					
13167		2.1	16.5	417	34.2					
13168		0.6	18.1	162	22.3					
13169		0.5	17.3	161	19.9					
13170		0.9	16.3	128	18.2					
13171		0.6	17.9	118	22.6					
13172		0.5	17.9	108	20.5					
5959		1.2	32.5	80	114.5					
13173		0.4	18.3	118	22.5					
13174		2.5	16.9	108	29.6					
13175		<0.1	2.1	4	1.5					
13176		1.1	18.0	111	23.3					
13177		0.7	17.4	118	32.3					
13178		0.5	5.9	27	72.6				91.8	
13179		0.9	7.0	176	89.9			80.9	94.3	

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VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13180		1.06	0.94	7.38	4.4	150	1.14	0.83	2.75	0.40	15.30	139.0	149	2.02	729	9.08
13181		2.38	0.81	5.78	7.9	70	0.76	1.27	1.92	12.90	26.3	165.0	214	1.25	577	10.35
13182		2.04	0.66	7.39	4.5	470	0.73	0.44	1.79	5.35	26.5	103.0	174	3.13	797	8.21
13183		1.23	0.50	8.13	4.7	590	0.86	0.49	0.62	0.78	33.1	98.2	113	2.91	366	5.88
13184		1.06	0.48	8.47	2.9	570	0.86	0.33	0.83	2.83	36.4	54.1	129	2.53	442	4.47
13185		1.20	0.17	6.81	1.1	600	1.32	0.07	0.83	2.06	28.0	7.8	45	2.49	47.7	1.66
13186		1.30	0.84	7.77	6.9	620	1.63	0.54	1.11	6.40	33.0	90.7	104	1.90	500	6.99
13187		1.03	0.40	6.68	5.6	350	0.53	0.48	3.79	2.06	34.3	55.7	87	1.17	396	5.42
13188		1.36	0.60	7.11	5.0	240	0.72	0.63	5.18	2.14	12.90	92.3	112	1.76	473	7.41
13189		2.31	0.48	7.45	3.7	320	0.57	0.51	6.23	1.97	15.10	78.7	96	2.36	366	8.23
13190		1.52	0.17	6.93	3.4	270	0.66	0.16	4.89	0.54	40.4	13.6	25	1.07	55.5	3.54
13191		1.40	0.37	6.88	4.9	250	0.67	0.27	5.87	0.64	36.3	43.5	53	1.42	252	6.06
13192		1.56	0.12	7.53	24.8	170	0.32	0.06	5.49	0.23	6.81	51.8	134	1.48	140.0	8.38
13193		2.31	0.13	7.33	5.2	250	0.44	0.04	5.15	0.12	17.20	47.4	128	1.30	168.0	8.98
13194		2.07	0.07	7.49	1.3	190	1.04	0.02	4.46	0.21	46.7	26.7	51	1.20	66.0	7.03
13195		1.80	0.20	7.47	2.4	190	0.46	0.06	6.11	0.77	6.40	46.4	200	0.59	98.7	7.65
13196		1.22	0.47	7.94	35.8	20	0.73	0.09	2.04	2.79	20.5	58.0	3	0.05	165.5	1.51
13197		2.29	0.13	7.38	2.1	100	0.65	0.04	5.88	0.10	8.10	49.0	190	0.60	87.3	7.69
13198		2.38	0.35	7.27	2.0	90	0.23	0.04	7.07	0.16	4.93	49.1	186	0.44	135.5	8.40
13199		2.29	0.32	7.48	1.8	140	0.28	0.13	7.31	0.26	6.01	47.5	175	0.65	120.0	8.33
13200		2.65	0.54	7.71	8.1	160	0.31	0.14	7.14	1.26	6.27	50.0	186	0.67	140.0	7.83
13201		2.08	0.41	8.17	5.7	190	0.44	0.20	5.41	0.40	9.89	52.7	207	0.87	158.5	7.41
13202		2.21	0.12	7.54	6.3	530	2.55	0.32	2.25	0.19	74.0	15.5	87	1.08	23.0	2.94
13203		1.02	0.10	6.67	2.1	420	2.57	0.58	0.58	0.03	40.6	3.4	27	7.22	4.9	1.00
13204		0.94	0.14	7.47	2.2	360	2.43	0.36	2.08	0.07	51.3	14.4	74	0.92	28.2	2.87

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13180		21.8	0.10	1.3	0.203	0.62	7.4	44.6	2.51	1080	31.0	3.23	3.1	215	300	21.8
13181		22.1	0.13	2.6	1.390	0.31	12.4	42.8	1.47	681	11.65	2.70	3.8	273	410	38.6
13182		23.1	0.08	2.2	0.594	1.75	13.6	61.3	2.36	796	15.85	2.03	2.9	180.0	290	28.3
13183		21.3	0.09	3.3	0.191	2.54	16.1	86.4	1.97	553	3.11	2.98	3.4	126.5	370	29.3
13184		23.2	0.10	3.3	0.321	2.26	19.6	62.8	1.86	535	3.55	3.49	3.6	112.5	320	32.8
13185		15.95	0.05	3.1	0.080	2.35	17.1	25.6	0.72	296	34.7	3.08	4.5	17.6	380	18.0
13186		21.6	0.11	2.6	0.728	2.47	17.8	74.8	2.03	901	5.98	2.51	4.2	160.5	330	42.4
13187		18.65	0.08	2.5	0.379	1.42	19.4	50.8	1.83	736	2.70	2.75	3.6	113.0	390	22.5
13188		17.05	0.09	1.1	0.237	0.92	6.1	29.6	3.05	1520	24.9	2.62	2.4	153.5	280	19.0
13189		19.40	0.09	1.3	0.286	1.24	6.9	41.4	3.26	2060	2.03	2.10	2.6	140.0	330	13.8
13190		16.10	0.08	3.2	0.072	1.16	21.0	31.2	0.96	702	1.52	3.41	3.2	22.4	530	14.6
13191		16.85	0.09	2.7	0.160	1.06	19.0	29.4	1.46	759	5.29	2.56	2.7	72.8	410	17.4
13192		15.45	0.07	1.0	0.070	0.76	2.6	29.3	4.05	1740	0.31	2.17	1.9	142.0	280	4.2
13193		16.25	0.09	1.7	0.074	1.05	7.3	22.5	3.25	1940	0.39	2.23	4.2	116.5	630	2.2
13194		21.4	0.11	2.8	0.082	0.76	19.7	25.5	1.76	1300	1.14	2.41	11.7	41.6	1690	4.1
13195		14.25	0.06	0.8	0.057	0.76	3.5	33.3	3.97	1740	0.66	2.46	1.6	151.0	210	67.6
13196		20.4	0.06	3.2	0.009	0.07	14.5	2.0	0.05	88	12.80	7.37	5.1	27.0	30	126.5
13197		14.15	0.05	0.9	0.054	0.38	5.1	28.9	3.85	1600	0.91	2.91	1.6	146.0	200	9.9
13198		13.65	0.06	0.8	0.062	0.35	1.9	40.9	4.30	1660	0.81	2.11	1.4	149.0	190	7.5
13199		13.90	0.05	1.0	0.054	0.49	2.4	40.0	3.99	1780	3.28	2.13	1.5	144.0	210	7.2
13200		15.00	0.06	0.9	0.055	0.58	2.5	32.6	3.87	1840	4.43	2.16	1.8	143.0	240	83.6
13201		17.55	0.06	1.2	0.077	0.75	3.9	27.4	2.60	2110	1.17	3.30	2.9	132.5	330	19.2
13202		20.2	0.15	3.3	0.028	1.94	38.2	34.9	1.44	611	11.20	4.04	7.1	44.5	810	22.6
13203		17.25	0.10	2.6	0.006	4.08	27.0	18.0	0.32	151	6.64	2.72	4.7	8.9	180	40.9
13204		18.55	0.13	2.9	0.021	1.66	28.4	32.4	1.34	536	2.01	4.09	6.0	43.9	400	19.5

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13180		36.4	0.033	5.15	0.27	41.6	13	4.0	166.5	0.24	2.08	1.86	0.457	0.63	0.7	230
13181		13.4	0.031	6.34	0.57	32.7	14	2.3	65.8	0.31	2.85	3.50	0.405	0.74	1.1	177
13182		80.6	0.022	4.48	0.23	28.3	9	3.2	93.6	0.25	2.01	2.50	0.321	1.51	1.1	158
13183		82.4	0.013	3.49	0.24	18.2	6	2.5	115.5	0.30	1.86	3.42	0.280	2.25	1.1	114
13184		90.2	0.010	2.11	0.17	20.1	4	2.1	131.0	0.31	1.54	4.15	0.310	1.93	1.2	124
13185		89.9	0.010	0.39	0.11	3.0	1	0.7	243	0.43	0.20	11.50	0.171	0.93	4.8	40
13186		83.2	0.030	3.67	0.27	21.4	9	3.7	94.4	0.35	2.57	4.31	0.293	1.79	1.3	125
13187		42.9	0.011	2.52	0.22	17.4	5	2.7	100.0	0.30	2.06	3.19	0.283	1.09	0.8	106
13188		45.0	0.019	4.51	0.19	39.2	8	4.1	152.5	0.18	2.73	1.01	0.449	0.88	0.3	228
13189		61.3	0.005	4.20	0.21	40.6	6	3.2	164.0	0.20	1.95	1.20	0.475	1.03	0.3	242
13190		40.9	<0.002	2.33	0.32	8.2	1	1.3	199.5	0.30	0.25	4.14	0.183	0.56	1.0	55
13191		41.9	0.006	3.36	0.36	14.2	3	2.0	157.0	0.23	0.63	3.17	0.202	0.65	0.9	84
13192		39.7	<0.002	0.55	0.23	42.0	2	0.7	156.5	0.14	0.19	0.22	0.494	0.35	0.1	264
13193		51.0	0.002	0.25	0.28	45.4	1	0.9	141.0	0.25	0.14	0.71	0.596	0.43	0.2	278
13194		25.5	<0.002	0.10	0.21	19.7	<1	1.6	234	0.69	<0.05	1.11	0.700	0.22	0.4	131
13195		40.2	<0.002	0.07	0.13	42.9	<1	0.7	131.5	0.09	0.08	0.16	0.408	0.23	0.2	262
13196		1.3	0.008	1.68	0.83	0.8	3	0.4	64.1	0.43	0.39	20.7	0.039	0.20	10.2	8
13197		21.2	<0.002	0.13	0.17	42.7	<1	0.5	110.5	0.10	0.05	0.82	0.385	0.18	0.5	246
13198		19.6	<0.002	0.12	0.15	42.3	1	0.4	129.0	0.08	0.10	0.15	0.380	0.14	0.1	249
13199		27.2	<0.002	0.20	0.14	41.8	1	0.5	136.0	0.10	0.12	0.22	0.403	0.19	0.1	254
13200		32.1	0.002	0.19	0.15	40.5	<1	0.6	157.5	0.13	0.13	0.18	0.446	0.21	0.1	262
13201		39.2	0.002	0.31	0.13	44.4	1	0.7	209	0.18	0.17	0.28	0.609	0.30	0.1	299
13202		70.0	<0.002	0.02	0.17	11.6	1	0.7	237	0.56	<0.05	13.80	0.273	0.52	5.9	80
13203		268	<0.002	0.02	0.15	2.3	<1	0.2	134.5	0.31	<0.05	37.9	0.105	1.39	23.4	22
13204		66.9	<0.002	0.02	0.13	13.1	<1	0.4	180.0	0.42	<0.05	14.50	0.230	0.43	6.0	77

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC	OA-GRA08
	Analyte	W	Y	Zn	Zr	Cu	Ni	Pass2mm	Pass75um	S.G.
	Units	ppm	ppm	ppm	ppm	%	%	%	%	Unity
	LOD	0.1	0.1	2	0.5	0.001	0.001	0.01	0.01	0.01
13180		1.2	18.6	230	36.1				93.8	
13181		3.2	19.9	5360	93.1				97.2	
13182		2.2	16.5	2330	79.3					
13183		1.5	12.2	356	116.0					
13184		2.0	13.5	1160	118.0					
13185		0.9	5.7	811	97.8					
13186		2.2	13.6	2260	92.3					
13187		2.6	14.7	808	93.3					
13188		1.4	17.9	789	32.9					
13189		1.5	20.5	799	40.4					
13190		1.7	11.6	217	117.5					
13191		1.4	13.3	288	99.2					
13192		0.8	16.6	187	28.9					
13193		1.4	23.3	111	59.2					
13194		0.6	31.5	130	108.5					
13195		1.1	14.5	249	23.2					
13196		0.4	2.4	667	46.6					
13197		1.4	14.4	89	22.6					
13198		1.1	15.2	101	19.4					
13199		2.8	16.2	124	23.2					
13200		4.2	16.2	289	23.5					
13201		0.9	20.4	150	33.8					
13202		0.8	12.3	76	102.5					
13203		0.4	2.9	14	59.1					
13204		0.7	9.4	39	79.8					2.71

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Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: MCARA-KITE LAKE

CERTIFICATE OF ANALYSIS SD20041421

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-22	OA-GRA08
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Cu-OG62	ME-MS61	ME-OG62	Ni-OG62

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THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

CERTIFICATE SD20046011

Project: McAra - Kite lake

This report is for 111 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 27-FEB-2020.

The following have access to data associated with this certificate:

PETER DOYLE	JON EDWARDS	MIKE HENDRICKSON
SEAN HICKS	FRANK PLOEGER	MERCEDES RICH
ISAAC RIDDLE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
OA-GRA08	Specific Gravity - Bulk Sample	WST-SEQ
Ni-OG62	Ore Grade Ni - Four Acid	

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

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

Signature:

Saa Traxler, General Manager, North Vancouver

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
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VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13205		1.15	0.05	7.53	1.6	180	1.29	0.14	3.46	<0.02	44.8	14.3	91	0.22	12.9	5.06
13206		1.83	0.14	7.78	4.2	250	1.30	0.52	3.56	<0.02	51.4	44.7	104	0.26	22.2	5.68
13207		2.17	0.11	7.08	3.7	580	1.39	0.27	4.36	0.02	50.2	37.4	120	0.37	12.0	6.80
13208		1.34	0.06	7.36	1.9	420	1.47	0.15	3.79	<0.02	43.3	17.9	139	0.32	65.7	5.56
13209		1.12	0.15	7.51	2.8	460	1.48	0.22	3.37	<0.02	46.7	13.2	82	0.40	71.8	4.89
13210		1.17	0.31	7.49	11.3	230	1.14	0.38	2.46	0.03	28.5	37.0	107	0.62	145.5	3.78
13211		1.24	0.25	7.11	22.1	250	0.82	0.22	6.70	0.07	7.97	49.9	286	0.32	88.3	6.57
13212		2.14	0.51	7.51	12.6	320	0.76	0.30	6.55	1.02	9.23	49.2	212	0.70	101.5	7.88
13213		2.47	1.32	6.94	7.5	230	0.49	0.23	6.74	0.68	11.05	47.9	110	0.40	249	9.37
13214		2.28	0.35	7.18	7.0	270	0.36	0.10	6.86	0.14	8.51	53.0	106	1.07	205	7.57
13215		1.05	0.30	7.71	1.8	160	0.40	0.09	5.59	0.13	8.35	52.0	107	0.92	154.5	8.13
13216		1.41	0.25	6.98	5.9	140	0.59	0.12	7.97	1.67	11.80	41.6	84	1.37	120.0	6.75
13217		1.88	0.27	7.71	1.4	200	0.31	0.08	6.03	0.22	8.33	51.2	113	0.92	142.5	8.69
13218		2.14	0.18	7.64	1.2	190	0.27	0.06	6.65	0.21	7.62	51.3	110	0.96	136.0	7.71
13219		2.21	0.09	8.44	2.1	150	0.25	0.07	7.87	0.15	8.42	52.8	111	1.45	133.0	8.36
13220		2.09	0.16	8.04	5.6	120	0.28	0.04	7.42	0.21	7.69	57.0	104	1.01	202	8.08
13221		1.98	0.17	7.70	2.6	130	0.23	0.07	6.72	0.17	7.18	55.4	115	1.51	211	8.38
13222		2.24	0.18	7.99	3.1	190	0.37	0.16	6.64	0.17	8.03	54.3	119	0.76	156.0	8.71
13223		1.67	0.58	7.30	2.8	360	1.51	0.13	7.21	0.35	69.5	37.7	285	0.84	108.0	6.59
13224		1.47	0.14	6.30	2.7	550	1.18	0.09	6.89	0.16	57.4	42.2	355	1.24	119.5	6.90
13225		0.52	0.01	0.09	0.2	20	0.07	0.02	33.7	0.02	1.25	0.8	4	<0.05	2.5	0.13
13226		1.12	0.15	6.89	2.5	960	1.41	0.17	5.99	0.13	67.7	35.9	302	1.90	142.5	6.35
13227		1.16	0.17	7.42	4.9	170	0.65	0.06	6.05	0.11	20.8	53.7	125	1.17	140.5	8.77
13228		1.90	0.18	8.13	4.2	240	0.26	0.16	6.49	0.17	8.18	59.3	133	1.70	199.0	8.43
13229		2.29	0.10	6.98	0.8	370	1.36	0.11	7.83	0.15	49.2	48.4	203	1.57	140.0	7.64
13230		2.26	0.39	7.53	2.5	130	0.28	0.12	8.34	0.29	8.28	55.0	121	0.60	213	7.23
13231		1.16	0.42	7.27	1.6	160	0.23	0.16	10.40	1.61	7.13	50.6	103	0.65	171.0	6.40
13232		2.18	0.14	2.39	9.4	10	0.10	0.05	31.0	0.52	2.10	22.6	23	0.05	38.1	2.06
13233		0.97	0.29	7.39	4.0	180	0.34	0.03	6.96	0.24	7.92	50.3	121	0.53	185.5	7.01
13234		2.13	0.57	7.42	3.8	130	0.26	0.04	9.16	0.57	12.60	49.6	117	0.63	205	6.73
13235		1.93	0.23	7.67	1.9	210	1.08	0.04	6.90	0.46	8.46	49.5	115	1.20	146.0	7.64
13236		1.07	0.12	7.61	1.9	120	0.69	0.03	4.71	1.85	78.0	23.1	100	0.23	71.9	5.05
13237		1.68	0.18	7.43	1.9	150	0.29	0.03	6.99	0.10	7.48	49.4	117	1.33	183.5	8.69
13238		2.26	0.50	6.99	0.7	110	0.24	0.07	5.41	0.76	7.47	52.7	116	0.60	243	8.84
13239		1.01	0.25	7.33	1.8	70	0.29	0.06	8.22	0.11	6.04	47.5	93	0.36	167.0	8.00
13240		0.95	0.62	6.76	9.7	40	0.19	0.14	6.90	0.10	6.16	100.5	104	0.23	382	9.11
13241		0.07	>100	4.38	675	860	0.84	63.5	0.61	27.7	32.2	11.3	31	3.01	5060	2.15
13242		1.80	0.42	7.60	2.2	120	0.22	0.12	7.19	0.13	6.94	54.0	104	0.83	196.5	8.64
13243		1.16	0.29	7.42	1.2	120	1.86	0.08	5.12	0.09	24.5	42.5	85	1.29	151.5	8.93
13244		1.41	0.33	6.60	0.9	140	0.31	0.11	8.46	0.11	6.42	44.5	94	0.35	140.0	7.77

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13205		18.65	0.12	3.1	0.040	0.75	20.6	24.0	2.69	1210	0.48	4.79	5.0	41.6	1240	4.9
13206		18.40	0.15	3.6	0.044	0.90	24.2	25.2	2.89	1130	0.14	4.64	5.4	50.7	1310	13.3
13207		19.30	0.14	3.2	0.053	1.48	23.9	26.7	3.41	1300	0.10	3.44	5.1	54.9	1250	14.1
13208		19.40	0.14	3.3	0.043	1.35	19.7	29.9	3.45	1380	0.11	4.14	5.3	47.1	1230	3.3
13209		18.75	0.13	3.4	0.042	1.41	20.7	24.5	2.79	1240	0.14	4.41	5.4	35.3	1210	3.5
13210		17.90	0.12	3.2	0.030	2.37	13.7	11.1	2.17	1120	4.93	4.48	5.6	67.0	480	8.6
13211		13.65	0.09	0.7	0.065	0.76	4.0	13.9	3.82	1580	0.84	2.99	1.7	214	220	3.5
13212		15.80	0.10	0.9	0.075	1.00	3.7	27.1	4.05	1790	5.29	2.54	2.0	168.5	260	120.0
13213		15.65	0.08	1.1	0.075	0.93	4.5	19.7	3.85	2080	4.82	2.17	2.2	127.0	280	61.4
13214		16.15	0.08	1.5	0.069	1.06	3.3	29.1	4.03	1880	0.28	2.14	2.2	107.5	270	4.4
13215		17.35	0.08	1.2	0.068	0.71	3.2	38.1	4.18	1950	1.62	2.74	2.2	106.0	280	9.0
13216		15.75	0.06	1.3	0.062	0.75	5.3	41.1	4.20	1670	1.11	2.49	2.9	82.3	230	34.9
13217		18.00	0.08	1.1	0.071	0.87	3.1	37.3	4.40	1940	0.37	2.39	2.3	108.5	270	7.6
13218		17.10	0.08	1.0	0.066	0.83	2.7	27.2	4.03	1710	20.1	2.31	2.4	96.4	290	7.2
13219		18.30	0.08	1.1	0.066	0.67	3.1	39.2	3.95	1820	0.88	1.93	2.3	114.5	290	4.1
13220		17.15	0.07	1.1	0.064	0.59	2.8	36.3	3.75	1760	0.49	2.36	2.1	148.0	280	30.1
13221		15.90	0.07	0.8	0.064	0.68	2.7	39.4	4.03	1780	1.46	2.01	2.0	157.0	250	7.2
13222		18.10	0.05	1.1	0.081	0.72	3.1	47.9	3.93	2130	5.08	2.03	2.2	123.5	290	3.5
13223		18.30	0.14	3.3	0.072	1.16	32.7	55.8	4.65	1460	0.30	2.33	5.7	74.0	1730	17.1
13224		15.05	0.14	2.9	0.067	1.28	25.6	53.9	5.85	1390	0.11	1.82	4.5	97.5	1580	12.7
13225		0.29	0.05	0.1	<0.005	0.02	1.3	1.5	1.60	105	0.06	0.03	0.1	1.2	80	0.8
13226		16.25	0.13	3.2	0.061	2.21	32.4	39.4	4.84	1330	0.39	2.06	5.3	71.5	1530	9.4
13227		18.05	0.07	2.2	0.092	0.58	9.3	33.6	3.25	1970	0.48	3.00	4.2	99.4	620	2.7
13228		18.10	0.06	1.0	0.074	0.84	3.2	34.7	3.36	2100	0.90	2.62	2.3	125.5	300	2.9
13229		16.05	0.10	1.6	0.066	0.77	25.1	47.4	4.41	1920	6.40	2.00	5.6	104.0	1000	3.9
13230		16.80	0.08	1.7	0.073	0.46	3.1	34.8	2.63	2310	0.59	2.79	2.0	117.5	230	87.9
13231		16.00	0.06	1.2	0.061	0.55	2.8	25.5	2.42	2010	0.60	2.90	2.0	107.5	240	205
13232		6.44	<0.05	0.2	0.014	0.05	1.3	4.0	0.55	661	0.66	0.60	0.4	24.8	50	8.8
13233		14.40	0.05	1.1	0.064	0.80	3.6	23.8	2.65	1980	1.09	3.38	2.0	121.0	250	5.6
13234		15.40	0.07	1.4	0.063	0.48	4.7	35.7	2.70	2350	0.53	3.02	1.9	116.5	250	16.7
13235		16.55	0.06	1.2	0.080	0.70	3.4	28.2	3.51	2470	0.46	2.81	2.2	112.5	310	9.7
13236		16.20	0.12	3.9	0.064	1.48	39.5	19.4	2.52	1440	20.2	4.11	7.4	58.9	810	14.6
13237		16.05	0.06	0.9	0.064	0.48	2.9	32.0	4.18	1740	0.29	2.08	2.1	109.0	270	3.7
13238		16.05	0.06	0.9	0.070	0.41	2.9	32.2	4.26	1960	0.76	2.63	2.0	103.0	270	25.6
13239		16.20	0.07	0.7	0.057	0.28	2.3	26.6	3.95	1930	4.37	2.32	1.7	113.5	250	17.3
13240		15.15	0.06	0.8	0.061	0.16	2.3	22.9	4.02	1980	10.25	2.58	1.7	169.5	260	14.9
13241		24.0	0.15	3.0	6.07	0.66	17.1	21.8	0.19	232	4.97	0.43	8.6	65.2	570	1045
13242		15.90	0.07	0.8	0.070	0.36	2.6	39.7	4.03	1850	0.21	2.34	2.0	139.0	250	3.5
13243		16.55	0.06	2.9	0.081	0.38	10.6	32.0	4.10	2140	0.29	3.11	5.6	94.7	830	34.1
13244		13.65	0.06	0.9	0.058	0.43	2.7	30.3	4.05	1920	0.42	2.46	1.6	122.0	220	7.4

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13205		13.1	<0.002	0.32	0.24	21.2	1	0.9	222	0.33	0.05	4.18	0.381	0.17	1.4	142
13206		20.1	<0.002	1.23	0.50	23.4	2	0.9	221	0.36	0.14	4.87	0.425	0.24	1.5	164
13207		39.8	<0.002	1.51	0.70	23.3	2	0.9	339	0.33	0.06	4.71	0.390	0.34	1.5	162
13208		27.2	<0.002	0.07	0.18	23.0	<1	0.9	224	0.34	<0.05	4.27	0.400	0.28	1.4	161
13209		27.5	<0.002	0.07	0.20	21.7	1	0.9	226	0.35	0.07	4.06	0.406	0.33	1.5	169
13210		51.6	0.002	0.23	0.29	17.8	1	0.5	95.4	0.60	0.09	10.40	0.268	0.47	3.9	117
13211		24.5	<0.002	0.03	0.24	47.7	<1	0.6	188.5	0.09	0.12	0.20	0.436	0.20	0.1	262
13212		36.2	0.002	0.10	0.30	50.2	1	0.7	215	0.12	0.10	0.22	0.491	0.25	0.1	276
13213		29.3	0.004	0.18	0.27	59.8	1	0.6	176.5	0.14	0.10	0.22	0.543	0.22	0.1	310
13214		50.8	<0.002	0.21	0.28	48.8	1	0.5	201	0.13	0.07	0.20	0.520	0.28	0.1	277
13215		33.9	<0.002	0.04	0.15	49.1	1	0.6	240	0.15	0.05	0.21	0.554	0.18	0.1	292
13216		26.4	<0.002	0.10	0.22	39.5	1	0.6	159.0	0.33	0.05	2.40	0.435	0.15	1.4	232
13217		39.3	0.002	0.13	0.18	47.4	1	0.6	237	0.15	0.06	0.22	0.560	0.21	0.1	297
13218		40.6	0.006	0.13	0.16	48.9	<1	0.6	227	0.15	0.07	0.21	0.559	0.21	0.1	294
13219		37.5	<0.002	0.31	0.19	51.2	1	0.6	230	0.15	0.18	0.21	0.574	0.26	0.1	295
13220		32.8	<0.002	0.21	0.19	45.7	1	0.5	195.0	0.13	0.10	0.20	0.521	0.21	0.1	272
13221		42.3	0.002	0.30	0.68	41.3	1	0.5	196.0	0.13	0.14	0.19	0.489	0.26	0.1	263
13222		35.2	0.002	0.23	0.22	50.3	1	0.7	186.0	0.14	0.21	0.23	0.545	0.21	0.1	332
13223		38.7	<0.002	0.59	0.13	30.4	1	1.2	236	0.32	1.26	4.17	0.474	0.27	1.2	203
13224		46.7	<0.002	0.52	0.20	35.0	<1	1.1	359	0.25	0.69	3.42	0.487	0.38	1.0	224
13225		0.5	<0.002	0.01	0.11	0.4	1	0.2	83.7	<0.05	<0.05	0.07	0.008	<0.02	0.1	2
13226		81.2	<0.002	1.31	0.16	30.5	1	1.2	422	0.29	1.48	4.46	0.448	0.51	1.3	201
13227		26.9	<0.002	0.52	0.26	45.5	2	1.0	221	0.28	0.28	1.34	0.721	0.21	0.4	334
13228		39.6	0.002	0.34	0.15	51.1	1	0.7	231	0.15	0.39	0.23	0.563	0.27	0.1	299
13229		33.3	0.002	0.14	0.16	40.5	<1	0.7	284	0.24	0.11	1.87	0.479	0.21	0.3	252
13230		22.2	<0.002	0.33	0.19	42.7	1	0.6	201	0.14	0.17	0.18	0.514	0.16	0.1	270
13231		27.8	<0.002	0.27	0.19	41.4	1	0.6	227	0.13	0.20	0.19	0.490	0.18	0.1	256
13232		1.9	<0.002	0.74	0.46	7.7	1	0.2	41.9	<0.05	0.05	0.04	0.095	0.39	<0.1	49
13233		31.9	0.003	0.38	0.25	43.2	1	0.5	159.0	0.14	0.05	0.19	0.516	0.30	0.1	273
13234		22.3	0.003	0.35	0.24	46.2	1	0.6	166.5	0.14	0.17	0.20	0.500	0.19	0.1	259
13235		37.3	0.002	0.10	0.17	47.5	1	0.8	149.5	0.15	0.06	0.34	0.540	0.21	0.2	285
13236		40.3	0.014	0.14	0.16	21.6	1	1.4	46.8	0.64	<0.05	15.65	0.378	0.35	6.0	141
13237		25.8	<0.002	0.06	0.22	43.8	1	0.6	150.0	0.14	<0.05	0.24	0.518	0.14	0.1	275
13238		17.4	<0.002	0.20	0.14	44.8	1	0.6	164.5	0.13	0.08	0.21	0.515	0.20	0.1	276
13239		13.0	0.003	0.26	0.21	38.4	1	0.5	109.5	0.11	0.05	0.17	0.438	0.19	<0.1	235
13240		6.1	0.003	1.58	0.86	37.5	3	0.5	70.5	0.13	0.25	0.17	0.436	1.27	<0.1	235
13241		32.0	<0.002	2.13	94.6	4.6	35	6.8	457	0.68	46.4	6.83	0.213	2.03	2.9	33
13242		18.5	0.002	0.27	0.29	41.9	1	0.5	184.5	0.13	0.07	0.20	0.487	0.13	<0.1	259
13243		15.5	0.004	0.12	0.45	43.2	1	1.0	139.5	0.37	<0.05	1.93	0.966	0.20	0.5	404
13244		16.2	0.002	0.02	0.12	36.4	1	0.4	109.5	0.11	<0.05	0.19	0.425	0.13	0.1	229

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC	OA-GRA08
	Analyte	W	Y	Zn	Zr	Ag	Cu	Ni	Pass2mm	Pass75um	S.G.
	Units	ppm	ppm	ppm	ppm	ppm	%	%	%	%	Unity
	LOD	0.1	0.1	2	0.5	1	0.001	0.001	0.01	0.01	0.01
13205		3.4	15.9	31	112.5				70.6	89.7	2.75
13206		2.6	18.2	34	124.5					84.5	
13207		1.2	19.1	39	115.0						
13208		1.2	17.6	39	122.0						
13209		1.2	17.1	38	124.5						
13210		0.6	13.0	30	88.8						
13211		1.1	15.1	70	18.7						
13212		1.8	18.6	353	30.0						
13213		1.7	22.9	246	35.5						
13214		0.9	20.1	94	28.3						
13215		1.4	19.4	93	24.0						
13216		1.4	18.3	520	27.8						
13217		1.1	20.0	123	22.5						
13218		1.8	18.7	117	21.3						
13219		0.8	20.9	114	36.2						
13220		0.8	19.6	126	29.0						
13221		1.1	20.4	117	20.7						
13222		3.0	22.1	123	29.5						
13223		0.8	24.0	183	118.0						
13224		0.6	20.8	101	97.6						
13225		<0.1	2.1	5	1.9						
13226		0.6	21.5	104	116.5						
13227		1.7	26.7	89	73.2						
13228		0.9	21.1	117	30.9						
13229		8.1	20.5	108	55.3						
13230		1.4	22.6	136	31.2						
13231		0.8	18.7	520	28.5						
13232		0.7	4.0	159	5.9						
13233		1.0	18.5	132	28.8						
13234		0.9	30.1	207	31.4						
13235		1.3	21.1	171	28.6						
13236		0.9	19.5	584	104.5						
13237		1.1	19.0	88	21.7						
13238		0.8	18.8	260	20.8						
13239		0.9	16.5	74	19.4						
13240		1.1	15.7	78	18.9						
13241		14.4	6.9	4080	93.0	120					
13242		0.6	18.1	86	19.8						
13243		4.7	29.2	66	103.5						
13244		0.7	16.7	80	25.6				81.2	95.9	

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13245		2.25	0.33	7.03	1.3	160	0.23	0.08	6.26	0.61	6.15	48.0	101	0.81	122.5	8.63
13246		1.26	0.81	7.11	0.2	100	0.21	0.20	7.21	0.42	6.55	39.4	103	0.59	187.0	8.50
13247		1.88	0.32	7.47	1.5	250	0.19	0.11	6.14	0.11	6.92	54.8	114	1.44	170.0	9.25
13248		1.29	0.24	7.36	1.7	160	0.66	0.11	6.38	0.09	23.0	53.2	91	1.99	129.0	10.35
13249		1.53	0.11	7.43	0.4	150	0.23	0.03	7.08	0.15	6.82	49.6	117	0.97	173.5	9.00
13250		1.64	0.12	7.26	1.2	160	0.25	0.03	7.17	0.16	6.73	47.8	114	1.14	148.0	8.68
13251		1.43	0.17	7.46	0.6	130	0.26	0.05	7.24	0.18	9.33	47.0	109	0.86	161.0	8.47
13252		2.09	0.06	7.78	0.5	130	1.44	0.04	2.90	0.17	52.3	18.9	29	0.45	53.1	4.60
13253		1.68	0.08	7.81	0.6	150	0.88	0.04	2.94	0.24	49.8	18.3	35	0.49	40.4	4.74
13254		2.27	0.13	7.15	0.9	120	0.25	0.03	6.92	0.20	7.18	50.4	109	0.96	147.0	8.77
13255		2.29	0.10	7.94	0.6	90	0.24	0.03	7.35	0.14	7.76	53.0	123	0.56	162.5	8.56
13256		2.35	0.13	7.88	1.6	120	0.29	0.03	7.26	0.18	7.65	56.3	125	0.83	166.5	8.72
13257		2.35	0.21	7.91	2.1	110	0.32	0.04	7.86	0.31	11.15	55.5	115	0.84	206	8.38
13258		2.16	0.04	8.04	0.2	90	0.50	0.01	2.22	0.03	33.0	16.9	15	0.27	49.4	4.47
13259		2.20	0.14	7.81	1.3	130	0.56	0.06	4.92	0.17	17.40	58.1	74	0.80	154.0	9.39
13260		2.35	0.11	7.36	0.7	180	0.57	0.04	4.93	0.15	20.9	65.5	30	0.83	145.0	12.85
13261		2.29	0.14	6.66	2.4	160	0.60	0.08	6.36	0.07	9.50	48.2	106	1.96	149.5	8.46
13262		1.97	0.08	6.87	3.1	500	2.20	0.07	1.29	0.04	45.8	9.4	35	2.76	43.1	1.99
13263		2.02	0.08	6.43	1.6	460	1.39	0.03	0.71	0.27	59.1	11.3	47	2.43	45.9	1.85
13264		1.53	0.84	6.75	5.4	200	1.26	0.33	0.74	6.90	33.9	135.0	180	1.96	630	8.55
13265		1.59	1.53	6.42	4.9	160	0.78	0.62	0.86	5.10	30.5	175.0	114	1.71	923	12.90
13266		2.12	0.61	6.94	2.5	160	0.60	0.18	4.10	0.86	19.65	78.0	182	2.26	613	9.46
13267		1.27	0.38	7.76	1.9	200	0.54	0.12	5.69	0.23	9.39	49.1	141	2.30	171.5	7.21
13268		1.13	0.30	7.83	2.2	190	0.34	0.13	5.75	0.13	7.54	49.5	136	1.76	157.5	7.26
13269		1.79	0.25	7.23	1.9	160	0.28	0.11	6.75	0.20	7.07	47.9	118	1.06	135.0	8.25
13270		1.56	0.15	7.29	2.1	160	0.31	0.05	5.39	0.32	6.53	47.7	131	1.32	92.6	8.01
13271		2.31	0.79	5.89	5.0	90	0.34	0.49	2.94	7.21	14.90	82.2	545	0.58	462	10.50
13272		2.34	1.23	5.87	5.0	160	0.49	0.53	2.53	3.35	13.95	103.5	380	1.21	503	11.85
13273		2.31	0.74	7.00	4.1	150	0.35	0.22	4.09	2.27	8.42	51.1	203	0.94	207	6.13
13274		2.00	0.34	7.17	3.3	130	0.27	0.25	4.43	2.06	6.33	61.7	208	1.42	232	8.10
13275		0.43	0.01	0.09	<0.2	20	0.05	0.03	33.7	0.03	0.98	0.9	4	<0.05	3.3	0.14
13276		1.51	0.43	7.40	2.5	130	0.23	0.32	3.09	0.52	7.36	55.8	196	1.15	345	8.75
13277		2.00	0.19	7.21	1.4	160	0.26	0.15	7.04	0.15	7.04	49.1	110	0.89	185.0	8.28
13278		2.42	0.07	7.74	1.5	200	0.32	0.06	5.71	0.18	9.65	51.3	119	1.18	94.6	8.97
13279		1.04	0.14	7.41	0.9	160	0.26	0.13	6.73	0.15	7.14	52.0	124	1.18	177.5	8.54
13280		1.02	0.13	7.93	1.4	160	0.25	0.11	6.58	0.14	7.66	51.4	124	1.44	179.5	8.57
13281		0.08	4.00	5.44	14.1	110	0.50	0.92	3.48	2.24	16.70	957	275	0.77	>10000	17.75
13282		2.34	0.12	7.70	1.9	130	0.24	0.08	7.25	0.14	7.28	51.2	117	0.92	153.0	8.43
13283		2.22	0.12	7.28	2.3	80	0.24	0.10	7.50	0.13	7.41	45.6	118	0.68	140.5	8.68
13284		2.29	0.17	7.77	2.5	140	0.23	0.11	6.83	0.14	7.54	50.8	128	0.88	185.5	8.33

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13245		15.30	0.07	0.8	0.063	0.66	2.3	33.1	4.58	2000	2.52	2.18	1.8	138.5	240	14.2
13246		15.15	0.06	0.8	0.073	0.43	2.5	25.1	4.37	2090	4.43	2.11	1.9	125.5	220	108.5
13247		15.80	0.06	0.8	0.063	0.96	2.6	29.7	4.52	2020	0.32	2.03	2.0	133.0	270	3.9
13248		18.90	0.09	2.9	0.100	0.46	10.1	33.0	3.86	2170	0.53	2.28	5.4	98.3	680	2.7
13249		15.40	0.05	0.9	0.059	0.60	2.5	22.4	4.34	1620	0.66	1.79	1.9	110.0	260	1.8
13250		15.60	0.06	0.9	0.068	0.68	2.6	23.4	4.14	1640	2.18	1.74	1.9	113.0	250	3.2
13251		15.55	0.08	1.1	0.065	0.55	3.8	17.0	4.10	1620	2.07	2.03	2.2	110.5	300	5.3
13252		20.9	0.11	5.0	0.056	0.52	24.4	23.9	1.36	1100	0.50	4.67	8.3	25.9	1100	3.7
13253		20.0	0.10	4.9	0.052	0.60	22.9	26.6	1.56	1030	1.00	4.19	7.7	27.4	1060	5.4
13254		15.80	0.06	0.9	0.061	0.54	2.8	26.1	4.20	1680	0.79	1.94	2.0	112.0	260	5.6
13255		16.90	0.05	0.9	0.066	0.46	2.9	27.6	3.62	1700	0.32	2.15	2.1	127.5	270	4.5
13256		17.30	0.06	1.0	0.078	0.61	3.0	29.5	3.85	1960	0.51	2.09	2.1	129.0	270	4.5
13257		17.50	0.07	1.5	0.081	0.49	4.1	26.1	3.03	2260	0.33	2.27	2.8	118.5	400	11.9
13258		18.20	0.09	3.5	0.037	0.40	13.5	16.8	1.67	1300	0.74	5.69	5.3	32.4	590	1.1
13259		20.0	0.08	1.8	0.086	0.53	6.8	20.3	2.89	2270	0.69	3.30	4.1	92.1	480	3.2
13260		21.6	0.09	1.9	0.088	0.88	7.3	22.5	3.10	2500	0.48	2.09	5.2	69.8	650	2.1
13261		16.05	0.06	0.8	0.069	0.74	4.6	34.9	4.41	1560	0.33	1.60	2.1	108.0	250	2.5
13262		17.80	0.09	2.9	0.024	2.90	26.8	17.2	0.68	349	3.49	2.87	5.4	15.1	300	21.3
13263		15.50	0.12	3.0	0.022	2.60	31.2	24.9	0.64	234	8.71	2.80	5.3	17.6	220	28.8
13264		24.0	0.11	3.0	0.861	0.89	15.7	39.6	0.86	377	7.63	3.05	4.1	218	270	18.9
13265		22.7	0.11	2.7	0.798	0.78	14.6	45.1	1.05	510	29.1	2.30	5.1	279	370	17.5
13266		15.85	0.10	1.3	0.273	0.70	7.7	45.3	3.56	1420	2.54	2.47	2.8	169.5	600	10.7
13267		16.50	0.07	0.9	0.138	0.88	3.4	35.3	3.78	1980	1.50	2.60	2.1	121.0	330	10.5
13268		15.90	0.06	0.9	0.085	0.87	2.6	35.1	3.38	2130	0.98	2.47	2.0	121.0	260	8.5
13269		15.65	0.07	0.8	0.078	0.85	2.4	35.7	4.12	2140	0.72	1.79	2.0	115.5	240	6.4
13270		14.95	<0.05	0.7	0.072	0.82	2.2	37.0	3.87	1900	0.30	2.46	1.9	119.5	270	6.7
13271		17.25	0.09	1.2	0.502	0.51	6.4	55.2	4.00	1480	14.30	2.15	2.0	183.5	250	19.3
13272		15.20	0.09	1.3	0.318	0.72	5.5	57.7	3.68	1340	3.73	1.86	2.3	256	310	66.9
13273		13.30	0.06	0.8	0.129	1.00	3.8	37.9	3.43	1120	0.94	3.38	1.2	101.5	190	16.0
13274		14.50	0.07	0.6	0.156	0.86	2.6	43.6	4.28	1180	0.75	2.67	1.2	118.0	180	13.9
13275		0.26	0.05	<0.1	<0.005	0.01	1.0	1.4	1.18	110	0.10	0.03	0.1	1.3	70	0.7
13276		13.00	0.05	0.9	0.076	0.63	2.8	59.2	4.13	1180	2.72	2.83	1.2	114.5	190	15.9
13277		15.05	0.06	0.7	0.066	0.87	2.4	29.8	4.09	1990	0.65	2.06	1.8	111.0	240	4.6
13278		17.15	0.07	1.3	0.072	1.03	3.4	30.9	3.76	2450	0.61	2.20	2.9	122.5	390	3.0
13279		16.30	0.05	0.8	0.071	0.84	2.4	36.4	4.02	2210	5.07	1.96	2.0	136.5	270	4.3
13280		16.30	0.07	0.9	0.064	0.88	2.7	40.5	4.22	2190	4.25	1.91	2.1	138.5	260	4.2
13281		11.50	0.31	1.3	0.119	0.31	6.8	8.5	3.92	993	4.33	1.16	5.0	>10000	470	13.0
13282		15.90	0.06	0.9	0.063	0.69	2.6	36.6	3.51	2490	0.49	2.22	2.0	150.5	250	2.7
13283		14.75	0.05	0.9	0.074	0.45	2.7	30.3	3.66	2220	0.59	2.04	1.9	126.0	250	3.6
13284		16.40	0.05	1.2	0.090	0.71	2.6	34.4	3.38	2170	0.37	2.14	2.0	128.0	270	4.3

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CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13245		25.1	0.002	0.05	0.11	30.0	1	0.5	161.5	0.11	0.06	0.18	0.469	0.22	<0.1	254
13246		23.6	0.003	0.06	0.12	39.6	2	0.7	81.1	0.13	0.10	0.16	0.456	0.14	<0.1	248
13247		50.1	0.002	0.28	0.17	42.3	1	0.6	164.0	0.13	0.11	0.19	0.498	0.30	0.1	269
13248		25.1	<0.002	0.11	0.46	49.0	1	1.2	161.5	0.35	0.05	1.66	0.847	0.21	0.4	371
13249		26.7	<0.002	0.12	0.10	42.0	1	0.6	144.0	0.14	0.06	0.20	0.503	0.17	0.1	274
13250		31.3	<0.002	0.10	0.14	41.6	<1	0.6	158.0	0.12	<0.05	0.19	0.490	0.21	0.1	265
13251		24.4	<0.002	0.11	0.14	40.8	<1	0.7	151.0	0.16	0.08	0.38	0.499	0.17	0.1	256
13252		16.9	<0.002	0.10	0.12	14.3	1	1.6	192.0	0.62	<0.05	3.59	0.461	0.16	1.1	101
13253		22.9	<0.002	0.06	0.07	14.4	1	1.6	217	0.58	<0.05	3.62	0.442	0.20	1.0	98
13254		20.9	<0.002	0.11	0.10	43.5	1	0.5	172.5	0.14	<0.05	0.19	0.498	0.15	0.1	269
13255		20.3	0.002	0.16	0.10	45.4	1	0.6	185.0	0.14	0.07	0.22	0.543	0.15	0.1	285
13256		35.5	<0.002	0.18	0.13	46.3	1	0.6	175.5	0.15	0.07	0.41	0.528	0.25	0.1	275
13257		24.7	0.002	0.32	0.18	44.1	1	0.6	155.5	0.17	0.15	0.53	0.619	0.16	0.1	292
13258		13.2	0.002	0.04	0.06	16.4	<1	0.6	139.5	0.40	<0.05	2.97	0.387	0.13	0.8	131
13259		21.2	0.002	0.87	0.22	38.8	1	1.4	182.5	0.25	0.25	0.82	0.740	0.20	0.2	294
13260		38.3	<0.002	0.47	0.15	32.8	1	0.8	136.5	0.34	0.12	0.64	1.065	0.30	0.2	358
13261		33.1	<0.002	0.34	0.22	32.0	1	0.5	122.0	0.13	0.23	0.35	0.491	0.37	0.1	258
13262		109.0	<0.002	0.37	0.16	6.7	1	0.5	221	0.43	0.10	16.85	0.187	0.78	6.5	58
13263		94.0	0.004	0.34	0.09	3.8	1	0.4	186.0	0.63	0.11	17.55	0.147	0.95	5.2	34
13264		44.1	0.168	4.68	0.09	31.6	13	0.8	136.0	0.35	1.77	4.84	0.366	0.66	1.5	162
13265		35.6	0.063	7.80	0.20	24.5	18	1.5	102.5	0.40	2.75	3.95	0.330	0.54	1.2	115
13266		38.9	0.009	3.28	0.15	36.7	6	1.6	130.0	0.18	1.14	1.18	0.451	0.48	0.4	224
13267		44.2	0.003	1.79	0.13	43.2	2	1.6	172.0	0.13	1.13	0.55	0.505	0.45	0.2	272
13268		52.4	0.003	2.10	0.09	42.1	2	1.2	218	0.13	1.39	0.18	0.509	0.45	0.1	270
13269		50.1	0.003	1.69	0.12	41.7	1	1.3	161.5	0.12	0.92	0.17	0.486	0.42	0.1	256
13270		29.0	<0.002	0.88	0.13	39.4	<1	0.9	151.0	0.12	0.39	0.16	0.487	0.33	<0.1	264
13271		20.7	0.009	5.01	0.39	33.1	7	2.5	59.3	0.15	1.77	1.09	0.307	0.46	0.3	173
13272		28.4	0.012	6.86	0.47	30.5	11	1.9	75.2	0.15	2.32	1.25	0.300	0.78	0.4	160
13273		39.3	0.004	3.55	0.20	44.2	2	1.7	118.5	0.08	1.40	0.28	0.343	0.77	0.1	228
13274		41.9	0.004	4.71	0.21	46.0	3	2.4	124.0	0.08	1.35	0.23	0.353	1.03	0.1	233
13275		0.4	<0.002	0.03	0.07	0.4	<1	<0.2	80.9	<0.05	<0.05	0.04	0.006	<0.02	0.1	3
13276		27.5	0.005	5.21	0.16	41.6	2	1.0	122.5	0.08	1.13	0.36	0.362	0.52	0.1	242
13277		53.7	<0.002	1.97	0.09	41.1	1	0.8	146.0	0.12	0.68	0.17	0.465	0.47	0.1	253
13278		45.1	<0.002	0.45	0.07	45.0	1	0.9	183.0	0.18	0.27	0.51	0.603	0.40	0.1	297
13279		40.3	0.003	1.05	0.08	43.8	1	0.9	209	0.13	0.61	0.17	0.508	0.38	<0.1	276
13280		53.4	0.003	1.01	0.08	44.8	1	1.0	202	0.12	0.45	0.21	0.512	0.39	0.1	276
13281		10.3	0.037	8.38	2.79	8.6	20	2.5	183.5	0.32	4.02	0.99	0.531	0.16	0.3	78
13282		39.8	<0.002	0.67	0.11	38.5	1	0.7	209	0.12	0.39	0.18	0.498	0.26	0.1	255
13283		23.1	0.003	0.71	0.07	39.9	1	0.8	110.5	0.12	0.49	0.20	0.488	0.20	0.1	256
13284		44.7	0.002	1.55	0.13	41.8	1	1.0	213	0.12	0.73	0.20	0.514	0.33	0.1	262

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC	OA-GRA08
	Analyte	W	Y	Zn	Zr	Ag	Cu	Ni	Pass2mm	Pass75um	S.G.
	Units	ppm	ppm	ppm	ppm	ppm	%	%	%	%	Unity
	LOD	0.1	0.1	2	0.5	1	0.001	0.001	0.01	0.01	0.01
13245		0.7	16.3	227	18.4					91.7	
13246		1.1	17.4	169	19.2						
13247		0.6	17.1	99	18.6						
13248		2.2	31.2	73	95.9						
13249		0.4	17.7	109	18.6						
13250		0.5	17.1	109	21.8						
13251		0.4	17.6	114	31.8						
13252		0.9	20.8	92	194.5						
13253		0.6	19.5	128	180.0						
13254		0.3	17.7	112	19.6						
13255		0.4	19.7	105	24.9						2.98
13256		0.7	20.1	113	27.1						
13257		1.2	22.3	166	48.1						
13258		1.7	13.0	49	136.5						
13259		1.1	20.9	131	59.1						
13260		1.2	21.0	125	53.7						
13261		1.2	17.5	87	21.3						
13262		1.3	7.6	28	82.0						
13263		0.5	8.9	191	81.7						
13264		1.3	16.9	2850	108.5						
13265		46.9	16.4	2190	94.6					89.6	
13266		2.0	17.4	453	43.0					94.4	
13267		6.2	18.9	231	21.2						
13268		1.3	17.1	142	21.0						
13269		7.5	19.5	159	21.0						
13270		0.8	17.1	219	18.2						
13271		0.9	13.3	3050	39.1						
13272		0.7	13.7	1420	45.8						
13273		1.3	12.4	984	19.7						
13274		0.6	12.6	915	17.6						
13275		<0.1	2.2	9	1.4						
13276		1.0	13.6	298	26.1						
13277		1.0	17.8	133	17.0						
13278		2.4	20.8	137	36.9						
13279		2.9	18.9	115	24.4						
13280		1.5	19.2	109	24.7						
13281		2.6	9.3	140	46.4		1.665	4.67			
13282		1.2	19.0	114	23.5						
13283		1.9	17.6	118	25.2					96.4	
13284		1.4	18.5	137	22.9				77.2	93.0	

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13285		1.83	0.12	6.88	3.2	190	0.71	0.06	5.64	0.13	28.5	56.2	75	1.52	175.5	10.75
13286		1.54	0.11	7.09	1.6	170	0.48	0.07	5.68	0.16	24.0	54.3	89	1.65	150.0	10.35
13287		1.46	0.14	7.14	2.9	50	0.26	0.17	8.36	0.12	7.30	52.9	109	0.58	198.5	8.67
13288		2.46	0.05	6.46	1.2	230	0.21	0.05	4.40	0.17	7.73	52.1	120	0.99	40.1	9.42
13289		1.79	0.09	7.54	2.0	200	0.25	0.08	5.54	0.12	7.51	47.8	132	0.93	47.4	8.83
13290		2.20	0.31	6.62	2.6	160	0.42	0.17	7.23	0.10	7.80	65.0	105	0.50	317	8.08
13291		1.99	0.14	7.56	1.5	150	0.22	0.12	5.43	0.13	7.56	48.7	121	0.81	130.0	8.63
13292		1.15	0.37	7.62	7.8	260	1.10	0.17	4.14	1.30	27.8	53.3	165	1.42	130.5	8.34
13293		2.19	1.57	7.14	23.7	150	0.41	0.17	4.26	0.91	8.50	51.6	131	0.45	157.5	8.31
13294		1.26	0.53	7.72	5.3	160	0.44	0.19	3.97	0.08	11.65	50.8	123	1.15	123.0	9.32
13295		1.58	0.34	8.12	4.6	130	0.26	0.41	2.75	0.71	7.57	55.3	135	1.35	239	8.76
13296		1.70	0.84	7.91	8.5	170	0.47	0.78	2.75	1.53	13.95	137.0	179	2.19	602	9.24
13297		2.14	0.49	7.53	2.6	190	0.31	0.28	6.00	0.45	7.92	63.3	203	3.26	372	7.83
13298		2.15	0.43	7.39	2.1	190	0.84	0.29	4.21	1.11	31.6	71.3	108	1.75	338	9.90
13299		1.58	0.46	7.43	3.4	120	0.34	0.26	3.58	0.38	8.82	70.0	132	0.79	417	8.58
13300		1.41	0.77	7.72	5.3	230	0.52	0.37	2.57	2.82	22.3	64.0	152	2.24	467	6.86
13301		0.96	1.18	7.09	10.8	140	0.76	0.70	1.26	2.57	36.8	122.5	199	1.13	723	12.60
13302		1.99	0.63	6.66	5.9	180	0.82	0.41	3.80	0.22	62.6	40.8	359	1.13	243	5.79
13303		2.04	1.00	6.53	6.7	250	0.52	0.91	2.88	1.67	17.55	103.0	374	2.35	543	9.38
13304		1.85	0.62	7.28	5.4	170	0.33	0.36	4.03	2.18	12.05	63.8	225	1.44	388	8.27
13305		1.54	0.27	6.73	1.5	150	0.86	0.10	6.38	0.57	34.0	59.4	73	3.78	219	12.05
13306		1.39	1.12	6.45	9.1	150	0.73	1.04	3.09	5.77	28.5	135.5	186	2.40	873	11.50
13307		2.28	1.80	6.52	13.0	130	0.51	1.38	1.00	8.71	23.4	177.0	291	1.85	1125	11.70
13308		2.53	8.16	6.76	8.2	140	0.62	1.22	0.97	6.90	29.3	135.5	228	1.74	703	9.34
13309		2.14	0.12	8.08	6.9	110	0.31	0.11	6.78	0.32	11.75	53.0	158	0.67	158.0	8.15
13310		2.38	0.07	7.58	1.3	110	0.38	0.04	6.66	0.09	16.20	58.9	164	1.03	121.5	9.11
13311		1.43	0.03	6.75	0.8	120	0.15	0.05	8.30	0.14	4.79	51.4	167	0.93	26.3	8.66
13312		1.01	0.01	4.98	0.2	130	0.12	0.03	22.6	0.13	3.55	26.7	82	1.16	6.2	4.91
13313		1.65	0.08	7.70	2.5	230	0.24	0.07	6.38	0.10	6.61	58.4	207	1.19	116.0	8.64
13314		2.21	0.13	7.62	1.0	120	0.25	0.05	6.70	0.11	8.03	47.6	182	0.63	248	6.69
13315		2.23	0.09	8.43	1.7	170	0.34	0.11	7.40	0.14	8.71	51.0	199	1.56	146.0	8.34

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13285		17.95	0.07	3.3	0.104	0.59	11.4	25.9	3.49	2050	0.65	2.38	6.1	86.7	860	4.0
13286		17.80	0.06	2.6	0.103	0.63	9.2	23.0	3.62	2050	0.68	2.49	5.2	92.6	720	3.5
13287		15.75	<0.05	0.8	0.084	0.28	2.6	28.2	3.83	1880	1.93	2.19	1.9	120.5	260	7.7
13288		16.40	0.08	1.0	0.070	0.97	2.7	49.7	4.90	2290	0.70	1.47	2.0	133.0	240	1.3
13289		15.35	0.07	1.0	0.064	0.92	2.6	37.3	4.22	2260	2.61	1.95	2.0	125.0	260	3.6
13290		13.45	0.08	0.8	0.102	0.96	3.1	25.3	3.27	2030	2.20	2.58	1.8	131.5	260	15.7
13291		14.90	0.06	0.8	0.105	0.73	2.7	24.9	3.64	2140	0.82	2.85	1.9	136.5	260	7.5
13292		17.45	0.07	2.1	0.110	0.63	11.5	39.8	3.66	1410	3.54	2.82	3.9	111.0	670	18.4
13293		14.75	0.09	0.9	0.097	0.60	3.6	32.8	4.05	1540	1.96	3.46	2.0	123.5	300	37.6
13294		16.75	0.08	1.2	0.075	0.69	4.8	37.5	4.49	1680	0.66	3.26	2.8	112.0	390	13.0
13295		15.70	0.09	0.8	0.083	0.69	2.9	50.2	3.35	1480	0.50	3.94	1.7	146.5	300	16.2
13296		19.00	0.11	1.1	0.246	0.86	5.9	53.2	2.79	1460	1.99	2.79	2.8	224	260	26.9
13297		16.45	0.08	0.8	0.108	0.85	3.2	32.9	3.85	2040	17.60	2.39	2.1	151.5	240	13.6
13298		21.1	0.09	3.2	0.197	0.61	14.3	35.6	2.87	1420	2.90	2.45	5.7	110.5	710	11.0
13299		14.90	0.07	0.9	0.150	0.64	3.6	34.9	3.89	1700	2.12	3.68	2.1	145.0	240	15.9
13300		18.40	0.07	1.8	0.167	0.99	9.8	49.1	3.38	1080	9.39	3.18	1.9	125.5	350	28.3
13301		21.5	0.12	3.3	0.444	0.80	16.1	57.0	3.18	955	2.86	2.60	5.9	192.0	900	30.6
13302		16.45	0.13	3.3	0.059	0.97	28.9	40.4	4.76	1010	0.37	2.53	4.3	114.0	1310	42.3
13303		17.55	0.10	1.4	0.245	1.02	8.2	48.4	3.66	1060	12.45	1.77	1.9	249	270	33.1
13304		16.95	0.10	1.4	0.247	1.12	5.3	38.5	4.35	1440	1.12	1.69	1.9	148.5	310	27.8
13305		20.7	0.11	4.0	0.150	0.39	16.3	21.3	3.19	1600	0.88	1.56	7.8	73.8	1090	4.1
13306		21.7	0.11	2.7	0.744	0.60	12.6	33.1	2.20	869	2.81	2.08	4.5	228	560	29.8
13307		21.9	0.10	2.2	0.977	0.53	11.0	57.8	2.14	609	3.96	2.98	3.0	314	310	68.5
13308		21.9	0.11	2.3	0.888	0.57	14.4	57.6	1.94	552	4.22	2.91	2.7	222	340	51.0
13309		17.00	0.06	1.3	0.094	0.69	5.1	25.8	3.09	1560	6.91	1.82	2.2	139.5	290	8.8
13310		16.70	0.06	1.9	0.081	0.42	7.0	21.0	3.66	1630	0.42	2.16	3.8	126.5	500	3.4
13311		13.95	0.07	0.9	0.050	0.46	1.8	31.8	5.26	1660	0.18	1.20	1.4	144.0	180	1.7
13312		8.66	<0.05	0.5	0.034	0.38	1.3	24.8	2.75	2240	1.02	0.58	0.8	79.2	400	1.4
13313		15.20	0.06	0.7	0.072	0.82	2.8	26.6	4.16	1840	1.03	1.87	1.5	264	230	2.0
13314		15.75	0.05	0.9	0.064	0.36	3.1	14.5	2.42	1640	0.37	2.21	2.3	118.5	310	2.3
13315		18.00	0.06	1.0	0.067	0.65	3.3	24.3	3.73	1660	0.36	1.97	2.4	142.5	310	5.4

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Finalized Date: 12-MAR-2020
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Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13285		29.7	0.003	0.77	0.20	42.9	1	1.4	160.0	0.40	0.23	2.24	0.940	0.28	0.5	376
13286		26.9	0.004	0.50	0.11	43.6	2	1.3	181.5	0.33	0.35	1.61	0.847	0.26	0.4	357
13287		14.0	<0.002	1.56	0.11	40.2	2	1.4	212	0.12	0.49	0.18	0.473	0.16	0.1	254
13288		49.1	<0.002	0.07	0.07	25.0	<1	0.7	124.0	0.13	0.12	0.18	0.472	0.39	0.1	264
13289		53.4	0.005	0.46	0.09	41.3	1	0.8	162.0	0.13	0.42	0.24	0.500	0.38	0.1	264
13290		38.3	<0.002	3.24	0.07	37.3	4	1.6	134.5	0.12	1.01	0.19	0.454	0.55	<0.1	215
13291		40.8	<0.002	1.29	0.10	41.5	1	1.2	190.5	0.12	0.58	0.19	0.498	0.41	0.1	265
13292		19.3	0.005	0.98	0.83	37.4	2	1.2	217	0.27	0.21	1.95	0.592	0.35	0.6	275
13293		18.9	0.007	2.72	1.74	37.3	3	1.7	137.0	0.12	0.84	0.47	0.449	0.33	0.2	241
13294		32.8	0.003	3.39	0.94	44.5	2	1.8	150.5	0.17	1.10	0.60	0.585	0.58	0.1	295
13295		26.4	0.005	4.73	0.24	46.8	7	2.5	138.0	0.11	1.22	0.22	0.465	0.51	0.1	282
13296		40.6	0.028	5.70	0.24	47.8	11	5.1	119.5	0.20	2.57	1.26	0.502	1.24	0.4	254
13297		48.1	0.019	3.60	0.15	42.9	5	2.3	151.0	0.13	1.55	0.40	0.469	0.95	0.1	248
13298		26.3	0.014	2.73	0.26	36.3	5	2.0	127.5	0.38	1.36	3.07	0.748	0.51	0.8	289
13299		21.4	0.017	4.89	0.44	38.8	6	1.9	116.0	0.15	1.57	0.66	0.459	0.45	0.2	251
13300		37.5	0.013	3.93	0.65	31.3	5	2.2	126.0	0.14	1.05	1.65	0.322	0.89	0.5	205
13301		16.8	0.014	5.09	1.59	36.1	9	4.2	58.1	0.41	1.35	3.06	0.785	0.50	0.8	295
13302		39.9	<0.002	3.10	0.18	20.4	4	3.4	250	0.27	0.79	4.50	0.364	0.56	1.0	135
13303		55.7	0.013	5.31	0.34	32.5	10	4.9	82.3	0.14	1.29	1.33	0.337	1.13	0.4	185
13304		64.8	0.008	3.16	0.16	38.4	5	2.5	123.0	0.13	0.83	0.80	0.420	0.61	0.3	240
13305		23.8	0.004	0.88	0.22	42.6	2	1.7	113.0	0.48	0.14	2.91	1.105	0.74	0.7	412
13306		28.8	0.016	5.18	0.27	29.9	9	4.8	90.2	0.33	1.08	2.92	0.545	0.98	0.9	218
13307		25.4	0.024	6.98	0.37	29.4	15	6.7	61.2	0.25	1.65	2.63	0.308	0.85	0.8	145
13308		26.4	0.036	5.71	0.35	26.8	14	4.7	72.3	0.20	1.90	3.08	0.255	0.71	0.9	132
13309		26.0	0.006	0.44	0.22	41.0	2	1.0	130.5	0.14	0.21	0.74	0.474	0.28	0.2	270
13310		21.4	<0.002	0.74	0.46	41.7	1	0.8	137.0	0.24	0.06	1.11	0.667	0.36	0.3	314
13311		15.3	0.002	0.02	0.14	33.0	<1	0.5	118.5	0.08	<0.05	0.13	0.383	0.18	<0.1	254
13312		21.2	0.002	0.03	0.07	27.8	1	0.3	118.0	0.05	<0.05	0.10	0.230	0.17	<0.1	130
13313		44.5	<0.002	0.42	0.10	44.0	2	0.5	123.0	0.09	0.18	0.19	0.397	0.36	0.1	256
13314		15.9	<0.002	0.25	0.09	39.0	1	0.6	114.5	0.14	0.16	0.22	0.557	0.15	0.1	273
13315		36.2	0.003	0.29	0.13	43.4	1	0.7	153.5	0.15	0.12	0.27	0.600	0.30	0.1	297

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

ALS Canada Ltd.
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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC	OA-GRA08
	Analyte	W	Y	Zn	Zr	Ag	Cu	Ni	Pass2mm	Pass75um	S.G.
	Units	ppm	ppm	ppm	ppm	ppm	%	%	%	%	Unity
	LOD	0.1	0.1	2	0.5	1	0.001	0.001	0.01	0.01	0.01
13285		2.5	34.4	116	113.0						
13286		2.1	29.8	141	92.6						
13287		1.9	19.0	123	21.0						
13288		1.3	17.9	139	44.7						
13289		2.0	17.6	110	29.3						
13290		1.8	18.3	112	17.7					92.9	
13291		1.9	18.3	145	21.8					97.0	
13292		3.7	21.3	506	70.4						
13293		1.2	15.6	301	25.2						
13294		1.9	20.9	100	38.3						
13295		1.1	17.0	338	21.3						
13296		0.9	21.5	699	36.6						
13297		1.6	18.7	300	21.8						
13298		1.9	27.9	449	117.5						
13299		1.1	17.2	279	27.8						
13300		2.0	17.8	1100	65.7						
13301		3.2	30.4	1150	118.5						
13302		1.0	15.8	142	123.0						
13303		1.0	15.1	787	46.5						
13304		0.6	19.6	962	35.9						
13305		0.6	40.1	300	150.0						2.99
13306		0.4	22.5	2760	92.3						
13307		0.6	14.0	3990	78.6						
13308		12.8	14.9	3030	84.4						
13309		0.7	19.0	188	42.3						
13310		1.2	24.3	83	66.5						
13311		0.5	14.6	114	19.7						
13312		0.4	11.0	61	12.2						
13313		1.3	14.4	132	22.9						
13314		0.6	19.1	100	30.9						
13315		1.4	22.1	129	27.3						

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 12-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite lake

CERTIFICATE OF ANALYSIS SD20046011

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-22	LOG-23
OA-GRA08	PUL-31	PUL-QC	SPL-21
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Cu-OG62	ME-MS61	ME-OG62
Ni-OG62			

ALS Canada Ltd.

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

CERTIFICATE SD20059001

Project: McAra - Kite Lake

This report is for 14 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2020.

The following have access to data associated with this certificate:

PETER DOYLE	JON EDWARDS	MIKE HENDRICKSON
SEAN HICKS	FRANK PLOEGER	MERCEDES RICH
ISAAC RIDDLE		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

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

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

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

Signature:

Saa Traxler, General Manager, North Vancouver

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059001

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13467		2.43	0.07	7.45	3.0	200	0.56	0.02	2.27	0.35	23.1	20.8	100	0.77	26.4	4.45
13468		2.14	0.10	8.19	1.2	520	0.63	0.06	1.54	0.33	25.6	9.3	18	1.39	25.8	2.93
13469		2.14	0.05	8.63	1.3	250	0.47	0.04	1.85	0.08	19.70	7.0	15	0.56	20.1	2.35
13470		2.03	0.07	7.08	5.9	260	2.08	0.16	4.18	0.05	45.2	34.5	73	0.67	36.3	5.18
13471		2.31	0.76	6.22	5.9	270	0.38	0.38	4.36	1.82	16.45	73.9	45	1.13	302	10.85
13472		2.08	1.54	5.59	10.0	260	0.61	0.48	2.63	2.67	21.8	47.4	119	0.86	281	7.62
13473		2.19	1.26	2.82	14.6	210	0.69	0.81	1.92	4.67	14.80	60.2	60	0.49	518	13.15
13474		2.20	1.55	5.88	10.2	350	0.88	0.54	1.88	2.80	24.1	45.5	101	1.10	280	11.50
13475		0.50	0.01	0.08	0.6	20	0.05	0.02	33.1	0.04	0.83	0.7	3	<0.05	3.2	0.16
13476		2.11	3.84	6.14	106.5	300	0.83	0.80	1.56	4.67	35.6	89.4	93	0.77	266	11.95
13477		2.17	0.34	7.22	203	440	0.74	0.29	3.66	0.96	25.0	45.9	127	1.78	131.5	9.06
13478		1.21	0.27	7.73	13.0	550	0.83	0.39	1.41	1.22	58.3	31.9	33	1.78	139.5	7.45
13479		1.17	0.27	7.82	11.8	500	0.86	0.34	1.49	1.58	60.0	31.0	25	1.78	146.5	7.23
13480		0.08	3.96	5.29	13.9	110	0.52	0.82	3.42	2.15	16.85	952	253	0.74	>10000	17.80

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059001

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13467		16.70	0.10	1.9	0.054	0.78	10.3	53.2	2.15	907	1.03	3.96	2.7	56.7	390	8.1
13468		19.60	0.11	2.1	0.031	2.57	13.2	65.7	1.24	554	1.84	3.75	3.6	13.3	480	11.4
13469		18.90	0.10	1.8	0.022	1.92	9.4	49.2	1.10	430	1.03	5.04	3.0	13.8	450	7.0
13470		17.80	0.13	3.0	0.056	1.30	22.4	43.4	2.76	1190	0.30	3.72	5.9	34.1	1360	7.1
13471		16.55	0.10	1.5	0.217	1.17	7.2	34.3	2.79	1590	2.16	1.71	1.9	51.7	320	16.7
13472		14.80	0.09	1.8	0.328	0.81	9.6	36.7	2.59	971	3.60	2.08	2.2	81.9	330	41.5
13473		10.45	0.12	1.3	1.145	0.61	6.4	13.9	0.76	534	12.50	1.17	1.7	116.5	190	42.2
13474		15.85	0.10	2.2	0.505	1.64	11.3	35.3	1.92	713	5.18	2.12	2.5	106.0	380	100.0
13475		0.22	0.09	<0.1	0.006	0.01	1.0	1.2	2.31	113	0.13	0.03	0.1	1.3	60	2.7
13476		15.35	0.10	2.8	0.421	1.21	17.6	37.5	1.91	860	5.20	2.81	2.9	105.0	420	33.6
13477		17.05	0.07	2.2	0.199	1.48	11.2	38.1	3.12	1440	2.11	2.41	3.0	78.9	450	17.1
13478		19.05	0.11	4.0	0.136	1.80	29.4	35.4	1.23	632	1.71	3.28	4.1	45.1	700	102.5
13479		19.95	0.11	4.2	0.123	1.56	30.0	37.2	1.23	620	1.44	3.55	4.2	44.5	700	108.0
13480		11.35	0.17	1.2	0.119	0.31	6.8	8.9	3.88	1000	4.75	1.16	4.6	>10000	460	12.9

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059001

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13467		22.4	<0.002	0.09	0.13	15.2	<1	1.1	163.0	0.21	0.05	1.27	0.303	0.16	0.4	106
13468		75.2	0.002	0.25	0.11	6.6	<1	0.6	174.0	0.24	0.07	1.70	0.260	0.66	0.5	46
13469		51.3	<0.002	0.27	0.08	6.2	<1	0.4	120.5	0.21	<0.05	1.36	0.225	0.44	0.4	42
13470		37.9	<0.002	1.15	0.68	17.8	1	0.9	257	0.35	0.06	3.27	0.411	0.32	0.9	132
13471		40.6	0.005	3.93	0.49	25.6	6	2.6	151.5	0.14	0.88	1.05	0.330	0.63	0.3	156
13472		28.9	0.009	3.12	1.04	20.3	5	2.1	179.5	0.15	1.13	1.65	0.262	0.70	0.5	117
13473		21.3	0.039	8.21	1.49	10.4	17	6.7	79.0	0.12	1.33	1.44	0.113	0.69	0.5	50
13474		49.6	0.021	6.16	1.11	23.2	8	7.4	185.0	0.19	1.17	2.03	0.273	1.21	0.6	146
13475		0.4	<0.002	0.03	0.07	0.3	1	<0.2	77.4	<0.05	<0.05	0.06	0.005	<0.02	0.1	2
13476		37.8	0.011	6.23	1.07	20.6	8	2.8	175.5	0.22	2.86	2.94	0.289	0.85	0.9	120
13477		47.9	0.010	1.96	0.97	33.1	2	1.7	213	0.21	1.59	2.03	0.483	0.76	0.6	219
13478		61.1	0.008	3.25	0.41	10.9	3	1.8	301	0.30	0.77	5.73	0.332	0.91	1.5	82
13479		54.7	0.004	3.05	0.41	10.7	2	1.6	313	0.32	0.60	6.26	0.330	0.77	1.6	81
13480		10.1	0.047	8.23	3.04	8.4	21	2.3	178.0	0.30	4.39	1.03	0.520	0.16	0.3	77

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059001

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
	Analyte	W	Y	Zn	Zr	Cu	Ni	Pass2mm	Pass75um
	Units	ppm	ppm	ppm	ppm	%	%	%	%
	LOD	0.1	0.1	2	0.5	0.001	0.001	0.01	0.01
13467		0.5	7.7	177	70.1			73.8	93.1
13468		0.5	5.9	146	81.0				91.4
13469		0.4	4.8	46	71.4				
13470		0.6	16.6	54	112.0				
13471		0.8	15.3	896	57.4				
13472		0.6	11.5	807	68.6				
13473		3.7	7.5	1770	51.5				
13474		1.3	13.7	949	87.5				
13475		<0.1	1.8	11	1.3				
13476		0.7	15.1	1260	100.0				
13477		0.7	17.5	404	82.3				
13478		0.7	12.5	449	159.0				
13479		0.7	12.5	560	163.0				
13480		2.2	8.8	148	48.7	1.685	4.73		

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059001

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-22	LOG-24
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Cu-OG62	ME-MS61	ME-OG62	Ni-OG62

ALS Canada Ltd.

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-APR-2020
This copy reported on
10-APR-2020
Account: BMRPLLBW

CERTIFICATE SD20059002

Project: McAra - Kite Lake

This report is for 62 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2020.

The following have access to data associated with this certificate:

PETER DOYLE	JON EDWARDS	MIKE HENDRICKSON
SEAN HICKS	FRANK PLOEGER	MERCEDES RICH
ISAAC RIDDLE		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Ni-OG62	Ore Grade Ni - Four Acid	
Zn-OG62	Ore Grade Zn - Four Acid	
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
C-IR07	Total Carbon (IR Spectroscopy)	LECO
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	
ME-4ACD81	Base Metals by 4-acid dig.	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: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13365		2.04	1.18	6.69	126.5	170	0.74	0.80	4.42	0.25	10.85	68.5	104	0.74	137.5	9.02
13366		2.14	0.73	6.65	10.2	100	0.24	0.32	5.64	0.39	8.14	46.9	113	0.73	120.0	8.56
13367		2.25	0.75	6.14	10.5	90	0.24	0.23	5.13	0.38	7.17	42.3	116	1.22	177.0	7.47
13368		2.23	1.13	6.19	18.8	60	0.20	0.39	4.90	2.24	7.35	47.9	124	0.83	230	8.07
13369		2.25	1.56	6.70	14.4	90	0.25	0.48	5.17	3.14	8.21	41.9	125	0.85	285	8.33
13370		2.01	1.50	5.59	28.5	50	0.24	0.68	5.75	0.44	6.82	58.4	180	0.10	448	9.49
13371		2.25														
13372		2.20	0.21	7.13	1.0	190	0.36	0.15	6.51	0.30	9.74	47.9	192	1.05	164.5	9.81
13373		1.24	1.27	7.75	3.6	190	0.46	0.72	2.39	1.02	13.55	53.8	159	0.91	327	8.68
13374		1.20	0.99	6.66	6.6	210	0.49	0.56	0.87	6.06	27.4	68.8	86	1.15	359	7.99
13375		0.50	0.01	0.07	<0.2	20	0.05	0.01	33.6	0.02	0.93	1.0	3	<0.05	6.5	0.11
13376		2.17	2.03	0.73	5.0	40	0.15	1.37	3.42	0.71	2.92	184.5	19	0.29	1190	46.6
13377		1.76	1.13	7.49	3.1	430	0.61	0.26	3.96	0.90	10.50	40.2	167	1.79	378	7.20
13378		2.07	0.52	7.04	1.7	400	0.98	0.17	1.91	0.55	39.9	21.8	104	1.27	86.6	2.60
13379		1.07	0.27	6.86	0.9	780	1.30	0.15	2.98	0.71	62.1	21.5	172	0.88	68.1	3.41
13380		0.93	0.31	6.91	1.9	810	1.39	0.16	2.98	0.60	63.1	21.8	168	0.87	63.9	3.44
13381		0.07	>100	4.09	1950	3110	0.74	158.5	0.34	57.3	26.3	16.4	35	1.76	9990	2.86
13382		2.05	0.73	7.37	4.1	400	0.97	0.34	1.33	0.38	38.8	15.2	110	1.08	62.2	2.32
13383		2.18														
13384		1.87	0.63	6.07	3.8	130	0.31	0.16	5.12	0.28	5.68	37.1	196	1.52	99.5	6.83
13385		1.60	0.62	8.01	2.9	290	0.32	0.17	7.16	0.11	8.11	51.9	221	1.58	116.0	7.62
13386		1.30	1.16	6.86	2.8	400	0.62	0.18	2.74	0.84	34.7	26.5	21	1.98	161.0	3.98
13387		2.15	4.48	5.98	9.5	310	0.54	0.34	3.27	3.54	24.6	250	65	1.33	746	10.15
13388		1.96	3.81	6.44	28.0	290	0.66	0.69	0.78	17.65	28.2	202	87	0.84	651	11.55
13389		2.04	5.94	6.76	15.8	400	1.34	0.76	0.46	10.05	25.5	25.7	39	1.34	244	3.82
13390		1.91	1.56	7.06	36.7	620	1.31	0.26	1.17	9.13	38.8	28.8	52	1.09	130.5	4.55
13391		2.74														
13392		2.16	0.54	5.42	12.5	260	0.46	0.08	14.30	0.21	6.92	42.7	121	1.28	133.0	6.53
13393		2.32	0.16	7.03	1.2	200	0.23	0.06	7.03	0.16	6.94	46.8	166	1.09	126.0	7.01
13394		2.34	0.11	8.71	12.1	450	0.41	0.06	5.57	0.13	10.35	48.5	302	3.60	123.0	5.76
13395		2.17	0.17	8.34	28.1	210	1.09	0.09	7.11	0.10	7.67	48.2	299	2.11	159.0	5.33
13396		2.10														
13397		1.47	0.07	4.16	0.8	100	1.43	0.08	21.2	0.20	5.79	38.2	76	0.25	128.5	5.05
13398		2.18	0.04	6.82	0.6	620	0.88	0.08	7.48	0.12	25.4	40.5	272	2.85	76.7	6.98
13399		1.04	0.07	6.63	5.0	20	0.42	0.06	10.55	0.04	8.40	44.4	137	0.31	102.5	7.38
13400		1.03	0.10	7.42	7.1	20	0.45	0.09	11.15	0.04	9.93	57.6	132	0.31	203	7.79
13401		0.08	4.20	5.68	15.2	120	0.55	0.97	3.70	2.18	17.90	1005	288	0.83	>10000	18.30
13402		2.01	0.08	7.80	3.0	380	1.21	0.09	5.89	0.04	30.0	34.5	128	1.78	113.5	6.68
13403		2.22	0.10	7.77	4.0	220	0.86	0.09	6.75	0.07	9.57	48.5	131	1.28	188.0	7.44
13404		2.35	0.16	8.15	3.5	140	0.85	0.08	6.49	0.07	16.10	37.4	115	1.24	244	6.03

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13365		14.35	0.07	1.2	0.054	0.61	6.7	26.2	3.05	1120	14.80	2.87	2.2	138.0	220	71.8
13366		13.85	0.06	0.8	0.060	0.46	3.3	26.0	3.95	1840	0.43	2.55	1.6	70.6	280	111.5
13367		12.90	0.05	0.6	0.059	0.40	2.9	27.1	3.59	1610	0.61	2.28	1.4	59.7	260	79.4
13368		12.70	0.06	0.7	0.067	0.29	3.0	22.5	3.64	1760	0.56	2.62	1.5	56.8	280	139.5
13369		14.05	0.05	0.7	0.066	0.44	3.6	34.3	4.25	1800	0.49	2.85	1.5	69.1	290	253
13370		11.50	0.05	0.9	0.078	0.22	2.8	20.8	4.59	2030	0.87	2.78	1.7	100.5	270	29.6
13371																
13372		15.00	0.05	1.2	0.072	0.65	4.1	34.7	3.41	2450	0.62	2.56	2.0	128.5	270	4.3
13373		20.7	0.09	1.6	0.124	0.86	5.2	51.4	2.46	1320	1.61	4.33	3.0	82.7	330	10.3
13374		19.15	0.10	2.5	0.683	1.12	14.2	36.8	1.06	461	5.27	3.70	2.5	64.6	390	35.1
13375		0.22	0.08	<0.1	0.005	0.01	1.1	1.1	1.45	105	0.07	0.03	0.1	14.0	70	0.6
13376		3.58	0.42	0.2	0.146	0.12	2.0	7.3	1.58	462	2.11	0.10	0.3	306	30	36.1
13377		19.75	0.08	1.2	0.126	2.01	4.9	53.8	2.35	1170	3.95	2.92	1.9	79.7	260	9.8
13378		18.75	0.17	3.6	0.073	1.72	20.1	49.2	2.38	487	4.53	3.19	3.3	97.6	450	16.2
13379		18.15	0.23	3.6	0.051	1.79	29.8	38.6	2.82	687	2.65	2.87	4.5	74.9	990	33.1
13380		18.20	0.22	3.7	0.045	1.81	29.5	38.2	2.80	693	3.22	2.87	4.5	66.0	1020	51.6
13381		24.8	0.30	2.7	11.60	0.62	12.4	19.5	0.09	141	6.45	0.44	8.1	110.0	540	2030
13382		20.4	0.19	3.7	0.056	1.82	20.2	47.3	1.86	413	2.22	3.39	3.1	89.4	390	15.2
13383																
13384		13.35	0.13	0.7	0.053	0.61	2.1	31.2	3.61	1340	4.35	1.81	1.6	101.0	220	5.5
13385		17.65	0.12	0.8	0.070	1.01	3.1	28.8	3.73	2210	1.31	2.09	2.1	154.5	260	4.9
13386		17.80	0.16	3.5	0.063	1.67	18.2	27.1	1.15	1030	2.06	2.44	2.7	33.2	370	7.0
13387		16.95	0.15	2.4	0.296	1.45	12.8	22.6	1.67	1060	4.38	2.52	2.1	137.0	310	41.4
13388		20.1	0.18	2.8	0.959	1.40	13.8	15.2	0.89	419	8.69	3.55	2.1	137.5	310	615
13389		16.85	0.17	2.9	0.063	2.82	13.3	13.5	0.82	235	6.08	3.21	4.7	26.3	260	1170
13390		17.65	0.20	2.7	0.070	2.80	20.2	16.7	1.09	410	9.74	3.18	5.2	43.6	410	963
13391																
13392		12.35	0.09	0.9	0.086	0.69	2.8	41.5	4.56	1500	0.71	1.42	1.7	77.9	210	19.9
13393		15.80	0.09	0.8	0.066	0.83	2.6	25.2	3.85	1610	0.41	1.83	2.1	79.8	270	3.8
13394		17.50	0.13	1.3	0.055	1.50	4.7	50.3	1.94	1340	0.48	2.88	2.4	151.5	290	3.3
13395		18.70	0.12	1.0	0.055	0.81	3.4	57.7	2.26	1320	1.01	2.22	1.9	156.5	220	1.5
13396																
13397		12.45	0.06	0.6	0.105	0.37	2.6	9.7	1.84	1400	0.98	1.06	1.7	53.2	190	7.4
13398		15.85	0.09	1.9	0.060	0.74	11.8	44.9	4.44	1380	0.27	1.85	3.1	90.8	1140	5.3
13399		14.30	0.08	1.2	0.064	0.08	3.1	29.0	3.65	1830	0.68	0.45	2.4	113.0	310	1.6
13400		17.80	0.07	1.2	0.070	0.08	3.8	31.8	3.51	1760	0.93	0.30	2.5	132.0	300	2.4
13401		12.90	0.31	1.3	0.124	0.32	8.0	9.1	4.11	1040	5.47	1.21	5.4	>10000	480	14.4
13402		21.8	0.11	1.7	0.066	1.38	16.4	53.8	3.18	1320	4.23	1.96	3.6	138.0	450	5.2
13403		18.25	0.10	1.2	0.070	0.88	4.0	49.8	3.39	1680	0.95	2.84	2.4	121.5	270	5.1
13404		20.0	0.11	1.6	0.061	0.98	8.0	40.9	2.41	1520	1.14	3.79	3.6	116.0	220	10.3

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13365		33.5	0.007	4.36	4.85	28.1	4	0.6	139.5	0.20	0.23	6.31	0.333	0.29	2.4	184
13366		24.2	0.002	0.20	0.36	44.2	1	0.4	177.0	0.10	0.23	0.32	0.399	0.13	0.1	245
13367		23.5	<0.002	0.24	0.40	41.0	1	0.3	179.5	0.09	0.12	0.27	0.358	0.12	0.1	223
13368		12.7	0.002	0.41	0.46	42.7	1	0.4	144.0	0.10	0.17	0.27	0.434	0.10	0.1	271
13369		19.2	0.002	0.28	0.41	42.0	1	0.3	144.5	0.10	0.20	0.28	0.391	0.10	0.1	220
13370		5.8	0.002	0.62	0.57	46.5	1	0.4	63.5	0.11	0.15	0.22	0.488	0.06	0.2	276
13371																
13372		35.5	<0.002	1.08	0.16	49.6	1	0.6	177.5	0.14	0.34	0.38	0.485	0.20	0.1	283
13373		36.2	0.004	3.72	0.24	39.6	4	1.9	134.5	0.21	1.62	0.62	0.614	0.28	0.2	277
13374		40.5	0.016	3.60	0.12	12.8	7	2.2	107.5	0.20	1.51	1.85	0.232	0.38	0.6	79
13375		0.2	<0.002	0.01	0.07	0.2	1	<0.2	80.2	<0.05	<0.05	0.06	0.005	<0.02	0.2	1
13376		5.6	0.005	>10.0	0.66	3.2	11	2.4	14.6	<0.05	1.70	0.15	0.034	0.13	0.1	22
13377		51.3	0.003	2.79	0.26	33.9	3	1.6	99.3	0.14	0.74	0.59	0.382	0.75	0.2	222
13378		50.5	0.003	0.60	0.15	5.7	1	1.1	239	0.27	0.26	3.44	0.173	0.56	1.1	41
13379		56.3	0.002	0.32	0.09	11.8	1	1.1	377	0.32	0.12	4.81	0.266	0.47	1.6	83
13380		58.9	0.002	0.33	0.10	11.2	1	1.1	392	0.32	0.11	4.99	0.266	0.43	1.6	80
13381		24.1	0.003	3.81	218	4.2	64	13.3	523	0.61	61.0	5.71	0.203	4.28	2.7	33
13382		55.9	<0.002	0.36	0.41	8.0	1	0.9	236	0.27	0.25	3.51	0.182	0.62	1.1	49
13383																
13384		39.2	<0.002	0.69	0.28	32.8	1	0.6	184.0	0.10	0.36	0.17	0.392	0.31	<0.1	227
13385		68.3	0.002	1.05	0.27	43.2	1	0.8	255	0.13	0.32	0.21	0.523	0.44	0.1	293
13386		60.0	0.003	1.80	0.18	6.7	3	1.0	164.5	0.26	0.65	2.57	0.142	1.38	0.7	39
13387		54.1	0.005	6.01	0.47	16.7	12	2.7	91.1	0.18	1.41	1.88	0.170	1.01	0.5	87
13388		48.6	0.028	6.78	0.70	24.7	14	1.9	99.2	0.17	1.29	3.39	0.136	0.75	0.9	91
13389		99.8	<0.002	2.11	0.19	4.3	3	0.6	117.5	0.47	2.46	14.85	0.096	0.75	6.7	29
13390		101.0	0.004	3.05	1.17	6.3	2	0.7	174.5	0.52	0.11	12.05	0.159	0.70	4.1	45
13391																
13392		40.7	0.002	0.53	0.18	30.8	1	0.6	127.5	0.11	0.18	0.28	0.366	0.27	0.1	205
13393		49.4	<0.002	0.06	0.16	42.6	1	0.5	185.0	0.13	0.05	0.21	0.510	0.27	0.1	288
13394		79.5	<0.002	0.22	0.21	37.1	1	0.5	282	0.16	0.49	0.67	0.446	0.56	0.2	247
13395		38.2	<0.002	0.30	0.19	34.9	1	0.4	171.0	0.13	0.13	0.35	0.429	0.53	0.1	249
13396																
13397		17.6	<0.002	0.75	0.21	28.2	1	1.4	169.0	0.08	0.12	0.13	0.286	0.15	0.2	172
13398		32.6	<0.002	0.20	0.13	31.1	1	0.7	362	0.17	0.05	1.35	0.493	0.30	0.4	236
13399		1.6	0.002	0.51	0.21	41.6	1	0.8	20.8	0.15	0.07	0.22	0.564	0.31	0.1	295
13400		2.0	0.002	0.95	0.44	44.4	1	0.9	64.6	0.16	0.06	0.23	0.591	0.54	0.1	313
13401		11.6	0.049	8.53	3.11	8.7	23	2.7	191.0	0.34	4.67	1.10	0.550	0.20	0.4	83
13402		53.1	0.002	0.59	0.22	31.7	1	1.0	77.8	0.28	0.20	5.26	0.452	0.84	1.6	221
13403		37.5	<0.002	0.47	0.18	41.9	1	0.8	115.0	0.17	0.19	0.82	0.513	0.49	0.3	281
13404		39.1	<0.002	0.45	0.18	37.2	1	1.0	128.0	0.34	0.32	5.38	0.475	0.41	1.8	252

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Finalized Date: 3-APR-2020
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Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	Zn-OG62	CRU-QC	PUL-QC	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06
	Analyte	W	Y	Zn	Zr	Ag	Cu	Ni	Zn	Pass2mm	Pass75um	SiO2	Al2O3	Fe2O3	CaO	MgO
	Units	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%
	LOD	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01
13365		1.1	11.8	111	35.1					80.1	94.0					
13366		0.4	17.1	178	21.4						88.2					
13367		0.4	15.7	175	18.4											
13368		0.6	15.6	763	19.4											
13369		1.1	15.6	933	20.5											
13370		2.3	16.3	186	26.3											
13371												51.5	15.20	11.25	8.33	5.58
13372		1.4	23.5	197	44.3											
13373		2.4	20.7	453	55.4											
13374		1.6	8.4	2330	94.5											
13375		<0.1	2.0	9	1.4											
13376		0.2	2.1	251	8.9											
13377		2.1	13.3	407	41.3											
13378		1.0	6.4	222	140.0											
13379		1.0	12.0	257	136.5											
13380		0.9	12.3	225	139.5											
13381		16.5	5.9	9220	92.0	299										
13382		0.6	7.5	139	134.0											
13383												51.1	14.45	12.05	7.35	7.53
13384		1.0	14.5	114	17.9											
13385		1.1	20.3	113	20.6											
13386		0.7	7.9	313	133.5											
13387		1.0	11.8	889	93.1											
13388		2.6	10.4	4640	102.0											
13389		0.7	7.9	2000	80.5											
13390		0.3	9.3	1620	90.8											
13391												70.9	13.65	2.41	1.56	1.56
13392		1.0	14.6	91	32.9											
13393		0.8	15.3	106	22.7											
13394		1.1	14.8	92	44.4											
13395		1.3	13.8	79	35.0											
13396												66.5	14.75	3.73	3.55	2.42
13397		3.1	16.9	144	20.0											
13398		1.3	18.4	95	66.1											
13399		2.0	18.5	67	36.7											
13400		1.8	20.9	62	37.8											
13401		2.5	10.0	148	50.4		1.660	4.65								
13402		2.5	16.5	56	56.0											
13403		2.0	19.1	68	35.0						95.4					
13404		1.6	18.4	67	44.5					72.8	94.6					

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method Analyte Units LOD	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	TOT-ICP06 Total % 0.01	C-IR07 C % 0.01	S-IR08 S % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1	ME-MS81 Cr ppm 10
13365																
13366																
13367																
13368																
13369																
13370																
13371		4.41	0.74	0.043	0.90	0.26	0.07	0.02	0.02	1.88	100.20	0.03	0.73	172.5	7.0	280
13372																
13373																
13374																
13375																
13376																
13377																
13378																
13379																
13380																
13381																
13382																
13383		3.64	0.85	0.041	0.86	0.20	0.06	0.02	0.02	2.09	100.26	0.06	0.58	190.0	10.2	280
13384																
13385																
13386																
13387																
13388																
13389																
13390																
13391		4.55	3.58	0.008	0.26	0.05	0.10	0.02	0.07	1.54	100.26	0.14	0.06	582	33.4	50
13392																
13393																
13394																
13395																
13396		4.20	3.26	0.016	0.37	0.07	0.16	0.05	0.12	1.18	100.38	0.04	0.02	1055	67.5	100
13397																
13398																
13399																
13400																
13401																
13402																
13403																
13404																

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CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method Analyte Units LOD	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.02	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Ge ppm 5	ME-MS81 Hf ppm 0.1	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.1	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.02	ME-MS81 Rb ppm 0.2
13365 13366 13367 13368 13369																
13370 13371 13372 13373 13374		1.03	3.49	2.33	0.71	16.3	2.87	<5	1.5	0.73	2.8	0.29	2.0	6.8	1.11	35.5
13375 13376 13377 13378 13379																
13380 13381 13382 13383 13384		1.35	3.00	2.33	0.68	16.7	2.81	<5	1.4	0.69	4.2	0.31	2.3	7.7	1.41	42.4
13385 13386 13387 13388 13389																
13390 13391 13392 13393 13394		1.40	1.47	0.75	0.66	15.7	2.42	<5	2.9	0.25	17.3	0.11	4.7	14.5	3.68	107.5
13395 13396 13397 13398 13399		2.18	2.72	1.40	1.20	19.8	3.75	<5	4.0	0.42	34.4	0.18	6.7	30.2	8.04	100.5
13400 13401 13402 13403 13404																

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CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS42	ME-MS42
	Analyte	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	Zr	As	Bi
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.1	0.03	2	0.1	0.01
13365 13366 13367 13368 13369																
13370 13371 13372 13373 13374		2.36	1	224	0.1	0.45	0.21	0.37	0.05	314	2	19.3	2.23	53	1.0	0.11
13375 13376 13377 13378 13379																
13380 13381 13382 13383 13384		2.01	1	183.0	0.1	0.49	0.48	0.34	0.19	299	2	17.4	2.04	56	3.1	0.09
13385 13386 13387 13388 13389																
13390 13391 13392 13393 13394		2.98	<1	147.0	0.4	0.29	11.80	0.13	3.98	41	1	8.1	0.71	98	2.3	0.06
13395 13396 13397 13398 13399		5.08	1	423	0.6	0.45	10.30	0.16	4.48	91	1	12.1	1.29	135	1.7	0.22
13400 13401 13402 13403 13404																

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CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
	Analyte	Hg	In	Re	Sb	Se	Te	Tl	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.005	0.001	0.05	0.2	0.01	0.02	0.5	0.5	1	1	10	1	1	2
13365 13366 13367 13368 13369																
13370 13371 13372 13373 13374		<0.005	0.011	0.003	0.12	0.5	0.22	0.07	<0.5	<0.5	57	168	40	<1	146	4
13375 13376 13377 13378 13379																
13380 13381 13382 13383 13384		<0.005	0.006	0.002	0.08	0.4	0.29	0.08	0.5	<0.5	38	119	50	3	100	4
13385 13386 13387 13388 13389																
13390 13391 13392 13393 13394		<0.005	0.008	0.007	0.06	<0.2	0.03	0.03	<0.5	<0.5	6	11	10	17	19	10
13395 13396 13397 13398 13399		<0.005	0.005	<0.001	0.05	<0.2	0.01	0.04	<0.5	<0.5	10	2	20	1	31	19
13400 13401 13402 13403 13404																

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CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method Analyte Units LOD	ME-4ACD81 Sc ppm 1	ME-4ACD81 Zn ppm 2
13365			
13366			
13367			
13368			
13369			
13370			
13371		46	98
13372			
13373			
13374			
13375			
13376			
13377			
13378			
13379			
13380			
13381			
13382			
13383		42	87
13384			
13385			
13386			
13387			
13388			
13389			
13390			
13391		5	26
13392			
13393			
13394			
13395			
13396		7	47
13397			
13398			
13399			
13400			
13401			
13402			
13403			
13404			

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CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13405		1.19	0.19	7.78	5.5	290	0.79	0.30	4.52	0.95	10.05	63.8	165	2.17	170.5	7.70
13406		1.12	0.15	7.50	3.6	260	0.97	0.17	4.72	1.06	10.20	54.6	161	1.77	134.0	8.73
13407		1.17	0.13	6.72	2.2	540	1.18	0.17	1.18	0.51	21.0	15.4	38	2.42	69.4	2.17
13408		1.60	1.05	8.19	14.3	350	1.55	0.44	1.54	12.35	39.0	148.0	105	3.80	918	9.32
13409		1.94	1.50	7.73	8.4	200	1.73	0.38	1.84	1.10	15.35	263	173	5.38	1570	12.80
13410		2.31	2.20	7.01	8.6	420	0.97	0.40	0.57	15.95	29.8	263	178	5.63	2350	15.00
13411		2.16	1.22	7.67	10.9	340	1.40	0.26	0.69	20.4	31.0	198.5	190	7.01	734	9.08
13412		2.37	2.17	5.61	11.0	210	0.84	1.47	0.27	24.4	29.5	238	177	2.70	1615	14.30
13413		2.10	1.16	7.62	10.3	210	0.87	0.39	1.76	3.22	36.3	80.8	36	2.26	780	6.87
13414		2.27	2.17	6.22	10.3	180	0.70	1.08	0.73	12.00	27.1	199.5	110	1.71	1475	12.75
13415		1.19	1.46	7.66	6.5	250	0.51	0.33	3.41	0.44	9.91	145.0	87	2.25	746	9.99
13416		2.00	0.54	7.74	4.3	260	0.41	0.14	5.04	0.34	9.39	62.7	94	1.23	346	8.60
13417		2.30	0.47	7.80	2.9	240	0.30	0.13	6.26	0.22	6.99	53.4	79	1.18	257	7.90
13418		2.10	1.16	7.73	4.1	220	0.35	0.28	5.46	1.26	6.99	72.3	86	1.59	490	8.70
13419		0.49	1.94	5.54	5.9	240	0.37	1.62	1.53	26.2	16.10	127.0	95	1.20	960	11.15
13420		0.44	1.92	5.46	5.9	230	0.34	1.62	1.13	28.2	17.35	120.0	102	1.08	894	12.20
13421		0.07	>100	4.09	1950	1880	0.77	153.5	0.33	59.5	25.0	16.2	31	1.82	9940	2.90
13422		2.24	2.32	5.80	13.0	190	0.52	1.35	2.03	16.50	12.15	161.5	94	1.81	821	12.25
13423		2.11	3.02	6.08	13.8	190	0.64	1.00	1.65	8.74	15.25	248	98	1.64	1310	13.25
13424		1.74	2.57	6.24	6.7	100	0.48	0.60	1.04	16.05	23.5	164.5	132	0.67	942	12.15
13425		0.50	0.03	0.06	<0.2	20	0.06	<0.01	34.3	0.06	0.89	0.9	3	<0.05	6.2	0.13
13426		2.65	0.19	7.48	2.4	170	0.39	0.11	7.22	0.27	7.46	50.4	124	0.90	118.5	9.09

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13405		17.50	0.11	1.0	0.150	1.05	4.5	43.0	3.41	1490	1.87	2.89	2.4	143.5	300	13.2
13406		17.55	0.10	1.2	0.167	0.92	4.6	48.4	4.01	1480	1.87	2.42	2.3	130.0	270	11.1
13407		15.30	0.15	2.0	0.069	3.85	11.9	11.1	0.68	235	10.55	2.70	2.7	25.7	140	46.3
13408		30.9	0.24	3.8	2.62	1.40	19.1	45.0	1.21	441	5.89	2.88	1.9	196.5	460	47.9
13409		29.0	0.23	2.6	0.292	1.21	6.3	67.8	2.27	585	5.33	2.30	1.5	314	280	35.7
13410		33.5	0.24	3.3	2.49	1.63	14.1	57.5	1.30	600	8.15	1.88	0.7	375	280	57.7
13411		40.6	0.20	3.4	2.93	2.19	14.5	86.8	2.15	501	5.87	1.39	1.3	223	530	65.1
13412		33.5	0.20	2.6	2.50	1.66	13.9	45.4	1.09	314	6.11	1.16	2.7	359	350	85.6
13413		22.3	0.18	3.7	0.280	1.02	17.8	46.4	1.27	382	1.99	2.37	2.7	105.5	540	51.5
13414		28.2	0.21	2.9	1.880	0.93	13.5	33.6	0.78	360	5.26	2.65	3.8	252	320	88.7
13415		19.75	0.10	0.8	0.197	1.37	4.4	42.3	3.39	1240	1.53	1.78	1.0	172.5	260	26.7
13416		17.70	0.08	0.9	0.118	1.35	3.6	34.1	4.32	1980	1.18	1.77	1.9	125.0	290	9.4
13417		16.60	0.07	0.8	0.143	1.37	2.6	30.1	4.21	2050	0.42	1.82	1.8	118.0	270	8.4
13418		20.4	0.10	0.9	0.258	1.08	2.8	46.5	4.32	1970	1.43	1.73	1.4	137.0	290	62.2
13419		23.9	0.12	2.0	4.60	0.97	6.9	22.8	1.58	742	3.79	2.22	2.9	188.5	140	72.2
13420		24.7	0.13	2.1	4.96	0.88	8.3	20.7	1.11	577	5.16	2.43	3.2	207	140	75.5
13421		23.2	0.22	2.8	11.20	0.62	11.6	19.0	0.08	140	6.66	0.43	7.9	110.5	530	2000
13422		22.5	0.14	1.5	2.48	0.55	5.2	40.8	2.67	1120	3.37	1.92	1.6	230	210	54.4
13423		21.0	0.14	2.3	1.290	0.95	6.9	39.6	2.38	1010	4.49	2.22	2.1	287	280	140.5
13424		22.3	0.13	2.2	1.770	0.70	11.5	41.2	1.84	668	19.25	2.90	2.2	233	170	102.0
13425		0.22	<0.05	<0.1	0.018	0.01	1.2	1.2	1.12	93	0.24	0.03	0.1	1.3	40	0.7
13426		15.90	0.05	0.9	0.092	0.91	2.8	31.9	4.03	1920	4.12	1.90	2.1	122.0	290	4.9

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CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13405		52.5	0.005	2.34	0.20	39.0	4	2.1	199.0	0.16	0.82	1.19	0.493	0.79	0.4	260
13406		43.1	0.004	1.89	0.28	40.3	2	2.2	201	0.15	0.53	0.98	0.480	0.61	0.3	264
13407		141.0	0.003	1.01	0.19	5.9	4	0.9	150.0	0.28	0.24	16.85	0.110	1.36	5.0	42
13408		67.3	0.016	4.69	0.21	28.3	22	2.7	151.5	0.17	1.95	5.40	0.195	1.22	1.6	136
13409		35.2	0.020	5.86	0.10	39.7	36	0.9	145.0	0.29	2.87	3.38	0.208	1.69	2.2	221
13410		68.3	0.040	6.55	<0.05	34.5	42	1.6	85.8	0.06	2.99	4.34	0.150	1.81	1.4	170
13411		102.5	0.034	4.06	0.08	37.0	22	4.3	73.5	0.12	1.27	4.53	0.250	3.60	1.4	184
13412		64.8	0.033	7.68	0.22	28.5	26	8.6	26.0	0.22	1.00	3.80	0.247	3.09	1.1	138
13413		59.2	0.008	3.85	0.22	18.4	6	5.5	113.5	0.24	0.31	4.34	0.239	1.01	1.1	112
13414		44.6	0.095	7.81	0.23	27.7	24	7.0	79.8	0.32	1.18	4.25	0.250	1.47	1.2	119
13415		53.0	0.015	5.65	0.20	41.2	10	3.1	116.0	0.08	1.54	0.75	0.284	1.03	0.4	253
13416		66.3	0.012	2.43	0.14	43.2	6	1.8	131.0	0.12	1.34	0.50	0.475	0.85	0.2	277
13417		82.1	0.003	2.13	0.14	43.9	4	2.1	140.5	0.12	1.74	0.19	0.519	0.80	0.1	285
13418		28.9	0.010	4.00	0.21	40.9	12	4.8	139.0	0.10	1.18	0.21	0.412	0.76	0.1	284
13419		43.9	0.062	7.51	0.24	27.5	27	8.0	52.1	0.25	0.96	2.63	0.257	1.12	0.8	142
13420		31.3	0.085	8.12	0.15	24.2	28	8.6	45.0	0.27	0.82	3.06	0.263	1.07	0.9	129
13421		24.7	0.003	3.85	221	4.3	65	13.4	483	0.62	64.3	5.15	0.205	4.27	2.7	34
13422		35.1	0.223	7.37	0.65	31.2	30	9.0	62.4	0.12	1.11	1.36	0.265	0.77	0.4	172
13423		41.3	0.371	7.84	0.46	35.0	29	7.5	65.5	0.18	1.47	3.40	0.276	0.87	1.2	178
13424		26.3	0.071	7.09	0.25	30.9	26	2.7	77.6	0.20	2.50	3.20	0.286	0.69	1.0	160
13425		0.2	0.002	0.01	0.09	0.3	1	<0.2	78.9	<0.05	<0.05	0.08	0.005	0.02	0.1	2
13426		53.1	0.005	0.86	0.13	42.1	2	1.2	157.5	0.12	0.65	0.20	0.502	0.43	0.1	267

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Ni-OG62	Zn-OG62	CRU-QC	PUL-QC	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06
	Analyte	W	Y	Zn	Zr	Ag	Cu	Ni	Zn	Pass2mm	Pass75um	SiO2	Al2O3	Fe2O3	CaO	MgO
	Units	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%
	LOD	0.1	0.1	2	0.5	1	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01
13405		0.9	17.9	511	31.1											
13406		1.5	16.2	552	40.2											
13407		0.7	6.0	254	51.4											
13408		1.8	19.0	4300	144.0											
13409		0.7	14.4	580	74.1											
13410		1.7	14.7	6390	124.0											
13411		1.0	19.2	8770	129.0											
13412		1.3	17.5	>10000	100.0				1.175							
13413		1.2	18.7	1520	141.0											
13414		2.3	18.9	4580	109.5											
13415		0.8	18.2	221	24.7											
13416		11.3	21.3	251	29.7											
13417		0.9	20.1	200	23.5											
13418		63.4	18.6	446	28.1											
13419		1.5	17.4	8440	71.4											
13420		1.5	16.8	9730	79.6											
13421		16.2	5.9	8950	89.5	290										
13422		1.1	16.7	5180	55.3											
13423		2.5	20.2	2930	81.5											
13424		2.3	18.1	5820	85.5											
13425		3.1	1.8	21	1.2											
13426		1.1	19.0	184	20.2											

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Finalized Date: 3-APR-2020
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Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06	C-IR07	S-IR08	ME-MS81	ME-MS81	ME-MS81
	Analyte	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total	C	S	Ba	Ce	Cr
	Units	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
	LOD	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.1	10
13405 13406 13407 13408 13409																
13410 13411 13412 13413 13414																
13415 13416 13417 13418 13419																
13420 13421 13422 13423 13424																
13425 13426																

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VANCOUVER BC V6C 1A5

Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Cs	Dy	Er	Eu	Ga	Gd	Ge	Hf	Ho	La	Lu	Nb	Nd	Pr	Rb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.01	0.05	0.03	0.02	0.1	0.05	5	0.1	0.01	0.1	0.01	0.1	0.1	0.02	0.2
13405 13406 13407 13408 13409																
13410 13411 13412 13413 13414																
13415 13416 13417 13418 13419																
13420 13421 13422 13423 13424																
13425 13426																

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Finalized Date: 3-APR-2020
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Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS42	ME-MS42
	Analyte	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	Zr	As	Bi
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.1	0.03	2	0.1	0.01
13405 13406 13407 13408 13409																
13410 13411 13412 13413 13414																
13415 13416 13417 13418 13419																
13420 13421 13422 13423 13424																
13425 13426																

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Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
	Analyte	Hg	In	Re	Sb	Se	Te	Tl	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.005	0.001	0.05	0.2	0.01	0.02	0.5	0.5	1	1	10	1	1	2
13405																
13406																
13407																
13408																
13409																
13410																
13411																
13412																
13413																
13414																
13415																
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13426																

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Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

Sample Description	Method Analyte Units LOD	ME-4ACD81 Sc ppm 1	ME-4ACD81 Zn ppm 2
13405 13406 13407 13408 13409			
13410 13411 13412 13413 13414			
13415 13416 13417 13418 13419			
13420 13421 13422 13423 13424			
13425 13426			

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Finalized Date: 3-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059002

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.

Applies to Method: ME-MS61

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-22	LOG-24
PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

Ag-OG62	C-IR07	Cu-OG62	ME-4ACD81
ME-ICP06	ME-MS42	ME-MS61	ME-MS81
ME-OG62	Ni-OG62	OA-GRA05	S-IR08
TOT-ICP06	Zn-OG62		

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

CERTIFICATE SD20059051

Project: McAra - Kite Lake

This report is for 28 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2020.

The following have access to data associated with this certificate:

PETER DOYLE	JON EDWARDS	MIKE HENDRICKSON
SEAN HICKS	FRANK PLOEGER	MERCEDES RICH
ISAAC RIDDLE		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	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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Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059051

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13316		2.56	2.26	6.80	50.2	120	0.35	0.62	5.92	0.47	21.5	95.3	66	0.63	564	14.55
13317		2.25	2.29	7.15	80.6	110	0.51	0.83	9.06	8.65	18.35	127.0	124	0.52	1470	11.90
13318		2.11	1.25	6.18	59.4	140	0.28	0.76	5.63	8.83	26.6	158.0	108	1.01	972	12.65
13319		0.49	0.18	7.17	2.5	660	0.61	0.04	2.51	0.49	64.2	14.4	157	1.20	54.5	2.60
13320		0.51	0.20	7.04	2.3	780	0.75	0.02	2.36	0.42	70.8	14.8	165	1.55	44.0	2.62
13321		0.07	>100	3.80	1800	1990	0.78	143.0	0.31	54.7	25.5	15.4	28	1.68	9170	2.68
13322		2.08	0.79	6.63	24.3	290	0.54	0.34	5.73	1.93	13.60	69.3	138	0.64	378	9.28
13323		2.15	1.43	7.69	26.0	320	0.78	0.70	3.87	6.50	25.6	107.0	138	0.93	467	7.89
13324		2.17	0.56	7.31	11.4	170	0.39	0.15	6.50	2.02	10.35	59.4	127	0.81	244	8.31
13363		1.35	0.48	8.48	29.9	20	0.75	0.26	10.90	0.28	7.42	43.7	117	1.01	177.0	6.71
13364		2.22	1.10	6.85	18.2	120	0.40	0.60	2.75	1.12	8.66	101.5	269	2.34	739	9.97
13325		0.45	0.03	0.12	0.5	20	0.05	0.02	33.8	0.04	1.06	1.5	4	0.05	8.3	0.21
13326		1.60	0.78	7.22	7.8	150	0.51	0.09	6.34	0.27	10.00	52.6	120	1.21	212	8.67
13327		2.02	0.99	7.18	24.1	270	0.47	0.52	3.63	1.99	20.1	113.5	164	1.66	574	10.80
13328		2.12	1.76	6.57	22.5	220	0.68	1.54	0.85	7.14	28.1	242	218	2.40	1710	11.30
13329		2.25	2.61	5.82	20.7	150	0.77	1.47	0.56	10.60	22.8	402	170	2.61	1790	14.55
13330		2.13	1.31	6.34	2540	70	1.62	12.45	11.45	1.85	21.7	1480	100	0.92	347	7.16
13331		2.27	0.25	7.09	20.6	180	0.83	0.20	7.91	0.46	6.86	51.3	107	2.43	154.5	8.63
13332		2.18	1.00	6.19	57.9	170	0.36	0.52	4.21	4.08	14.75	140.0	109	1.32	566	14.65
13333		1.96	1.01	7.72	29.0	110	0.44	0.40	6.12	2.44	13.45	76.9	131	0.88	389	8.86
13334		2.30	0.13	8.62	3.7	140	0.26	0.06	8.18	0.17	8.00	51.8	131	1.09	177.5	8.01
13335		2.06	0.42	7.20	8.1	150	0.42	0.46	3.44	2.49	18.95	78.6	134	1.05	374	8.71
13336		2.44	0.70	6.91	18.3	120	0.35	0.90	3.34	2.21	17.35	125.5	153	1.24	861	12.90
13337		2.19	0.17	7.68	6.1	60	0.37	0.09	6.96	0.32	7.72	50.9	141	0.76	108.0	8.04
13338		2.14	0.23	7.53	5.4	180	0.63	0.28	5.84	0.57	23.5	54.4	180	1.15	263	7.38
13339		1.03	0.62	7.59	3.7	170	0.49	0.44	3.89	3.18	20.1	93.1	190	1.87	745	9.54
13340		0.99	0.62	7.29	3.6	160	0.46	0.50	3.47	3.82	19.20	101.5	187	1.67	461	9.83
13341		0.07	>100	4.34	689	440	0.85	56.8	0.63	26.3	31.9	10.1	36	2.90	5060	2.22

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Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059051

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13316		16.60	0.08	1.8	0.143	0.52	10.7	20.8	2.58	1560	2.96	1.31	2.9	160.0	360	42.5
13317		21.6	0.08	1.6	0.736	0.41	8.8	17.7	3.23	2500	3.95	0.82	3.2	188.5	300	26.4
13318		20.8	0.10	2.0	1.020	0.36	13.0	18.7	1.81	1180	3.87	0.53	3.2	226	330	19.6
13319		11.60	0.11	3.8	0.047	2.43	30.3	11.1	2.15	620	84.1	4.03	5.9	80.3	710	18.9
13320		11.45	0.11	3.8	0.042	2.81	34.6	11.5	2.21	613	139.5	3.65	5.9	83.0	730	18.4
13321		22.3	0.22	2.6	10.80	0.59	12.6	17.2	0.08	134	6.66	0.40	7.5	105.5	500	1850
13322		14.90	0.16	1.3	0.205	1.14	5.8	19.7	3.31	2010	3.49	2.62	2.5	141.5	290	26.9
13323		19.35	0.09	2.2	0.328	1.07	11.9	25.1	2.65	1480	6.36	3.79	3.7	160.0	440	127.5
13324		16.10	0.06	0.9	0.148	0.66	4.3	30.4	3.97	1720	1.58	2.66	2.0	130.5	240	48.9
13363		20.8	<0.05	1.1	0.076	0.08	2.8	48.1	2.52	1900	51.0	1.35	2.0	131.5	210	10.1
13364		14.00	0.07	0.9	0.142	0.72	3.9	36.2	1.54	929	1.94	2.11	1.4	242	150	26.2
13325		0.32	0.06	<0.1	0.007	0.01	1.2	1.8	2.91	136	0.32	0.04	0.1	3.3	70	1.4
13326		15.10	0.07	1.2	0.079	0.70	4.2	26.4	3.88	2030	0.95	2.58	2.3	122.5	240	8.9
13327		19.25	0.08	1.6	0.430	1.11	9.3	29.5	2.97	1400	3.76	2.34	2.8	183.0	300	42.4
13328		28.0	0.14	2.7	1.515	1.14	14.0	34.8	1.69	745	16.40	2.05	4.3	276	360	50.7
13329		25.5	0.18	2.5	1.085	0.98	11.0	35.0	1.75	684	6.78	1.65	2.7	562	410	85.2
13330		13.10	0.07	0.8	0.150	0.37	9.1	42.9	2.80	1430	10.30	2.77	1.7	157.0	200	235
13331		15.00	0.05	0.7	0.104	0.73	2.7	53.6	4.53	2240	2.39	1.80	2.0	122.5	230	8.0
13332		18.05	0.11	1.6	0.451	0.77	6.2	60.4	3.30	1220	27.7	1.23	3.1	288	150	25.7
13333		16.20	0.06	1.3	0.158	0.46	5.7	34.9	3.67	1780	46.8	2.62	2.5	143.0	320	300
13334		18.10	0.06	1.0	0.072	0.69	3.0	22.9	3.04	2100	1.38	2.10	2.2	138.5	270	5.8
13335		17.85	0.07	1.7	0.272	0.66	8.9	36.5	2.33	1180	2.31	2.92	2.9	140.5	290	13.3
13336		18.10	0.09	1.4	0.251	0.64	8.7	34.1	3.09	1520	3.78	2.15	2.5	217	280	29.7
13337		15.85	0.11	1.2	0.070	0.30	3.2	39.8	3.20	1990	1.61	2.28	2.1	127.5	260	12.1
13338		16.75	0.10	1.5	0.128	0.81	10.5	32.4	3.24	1620	2.65	2.50	3.1	128.0	560	11.9
13339		18.75	0.06	1.6	0.402	0.79	9.3	30.3	2.18	1370	3.27	2.84	3.5	220	320	13.4
13340		18.55	0.07	1.6	0.453	0.73	9.0	28.4	2.00	1280	3.14	3.00	3.4	235	310	13.4
13341		21.4	0.11	2.7	5.36	0.69	16.6	20.4	0.19	233	4.70	0.45	8.1	58.5	560	1030

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059051

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13316		19.2	0.007	9.31	1.07	23.6	8	2.5	224	0.23	1.95	1.69	0.376	0.28	0.4	156
13317		12.8	0.012	6.18	0.73	30.0	10	5.4	267	0.22	2.89	1.57	0.405	0.15	0.4	194
13318		14.8	0.015	7.52	0.70	20.0	12	4.5	285	0.26	2.16	2.62	0.286	0.20	0.7	109
13319		71.4	0.044	0.11	0.17	9.0	1	0.5	105.0	0.53	<0.05	12.15	0.221	0.59	2.8	62
13320		86.6	0.084	0.09	0.21	9.1	<1	0.5	110.5	0.48	<0.05	12.20	0.219	0.70	2.9	61
13321		24.2	0.002	3.58	207	4.0	63	12.6	470	0.57	60.8	4.98	0.192	3.86	2.6	31
13322		39.5	0.006	2.76	0.39	37.7	4	1.6	150.0	0.17	0.76	0.97	0.454	0.37	0.3	226
13323		39.7	0.016	2.84	0.76	30.0	8	2.7	150.0	0.27	0.74	3.90	0.413	0.50	1.0	188
13324		25.7	0.004	1.15	0.29	37.5	3	1.3	138.5	0.13	0.32	0.48	0.465	0.31	0.2	243
13363		4.0	0.005	0.46	0.18	35.9	1	0.7	45.8	0.12	2.84	0.21	0.471	0.32	0.1	236
13364		42.2	0.013	5.42	0.18	40.5	10	3.7	95.5	0.10	1.63	0.72	0.298	1.50	0.2	203
13325		0.6	<0.002	0.03	0.15	0.6	1	<0.2	77.8	<0.05	<0.05	0.07	0.009	0.02	0.2	3
13326		39.0	0.003	1.38	0.17	39.9	2	1.0	172.0	0.18	1.14	1.70	0.463	0.31	0.8	242
13327		43.9	0.023	3.77	0.36	35.0	8	3.1	132.0	0.20	0.97	2.02	0.433	0.86	0.6	219
13328		40.5	0.034	6.53	0.46	31.6	21	6.1	55.6	0.35	1.50	4.09	0.375	1.86	1.3	160
13329		44.7	0.044	>10.0	0.27	25.0	39	4.8	49.6	0.23	2.28	3.67	0.247	1.78	1.1	127
13330		19.6	0.003	2.09	0.85	31.2	5	0.9	74.4	0.10	0.41	0.18	0.412	2.80	0.2	215
13331		54.4	0.002	1.67	0.21	37.6	2	2.6	196.5	0.12	0.40	0.25	0.461	0.41	0.1	254
13332		16.1	0.021	8.12	0.60	29.9	18	2.4	122.5	0.21	2.10	1.23	0.382	0.39	0.4	195
13333		14.8	0.020	1.72	0.84	35.4	4	1.3	93.9	0.17	0.75	1.01	0.478	0.33	0.3	243
13334		32.8	0.002	0.81	0.21	46.1	1	0.7	248	0.14	0.24	0.22	0.569	0.27	0.1	291
13335		32.5	0.006	5.29	0.17	31.8	7	3.0	109.5	0.22	1.71	1.78	0.416	1.03	0.5	195
13336		35.3	0.010	7.88	0.68	34.3	10	3.8	88.8	0.19	3.72	1.22	0.402	1.46	0.4	209
13337		15.2	0.002	1.75	0.61	40.3	1	0.7	75.0	0.15	0.65	0.25	0.511	0.48	0.1	265
13338		35.8	0.007	3.33	0.31	38.1	4	2.1	156.5	0.20	1.15	1.53	0.491	0.70	0.4	241
13339		48.8	0.014	5.53	0.14	35.4	8	2.7	154.5	0.25	1.90	1.90	0.473	0.78	0.5	211
13340		44.6	0.014	5.77	0.13	34.8	9	2.6	149.0	0.26	1.95	1.98	0.445	0.82	0.5	200
13341		30.3	<0.002	2.11	87.3	4.3	32	5.9	460	0.63	41.1	7.02	0.226	1.77	2.6	33

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059051

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	CRU-QC	PUL-QC
	Analyte	W	Y	Zn	Zr	Ag	Pass2mm	Pass75um
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOD	0.1	0.1	2	0.5	1	0.01	0.01
13316		1.4	14.0	219	67.0		77.7	95.3
13317		0.7	17.1	3540	57.1			91.5
13318		0.7	12.1	3640	74.3			
13319		0.6	14.9	204	120.5			
13320		0.6	15.3	189	123.5			
13321		15.3	5.7	8390	87.2	282		
13322		1.8	18.3	818	46.0			
13323		2.1	18.4	2410	73.9			
13324		1.7	17.2	756	30.9			
13363		4.5	16.4	163	33.4			
13364		0.5	11.6	499	29.9			
13325		0.1	2.2	10	1.7			
13326		1.0	18.4	167	29.2			
13327		1.8	18.8	814	53.0			
13328		2.8	23.5	2890	101.5			
13329		2.2	17.8	4050	95.2			
13330		1.9	35.4	693	25.2			
13331		2.1	17.8	323	23.8			
13332		1.1	16.7	1540	57.8			
13333		1.8	18.3	903	46.6			
13334		1.4	20.8	118	30.0			
13335		0.8	17.4	1090	60.3			
13336		0.7	18.5	962	45.6			
13337		1.4	17.6	193	30.1			
13338		1.1	19.5	301	50.1			
13339		0.7	19.2	1430	54.5			
13340		0.7	18.8	1690	52.2			
13341		13.0	6.6	4210	90.4	122		

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Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059051

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-22	LOG-24
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	ME-MS61	ME-OG62

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 31-MAR-2020
This copy reported on 1-APR-2020
Account: BMRPLLBW

CERTIFICATE SD20059055

Project: McAra - Kite Lake

This report is for 21 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2020.

The following have access to data associated with this certificate:

PETER DOYLE	JON EDWARDS	MIKE HENDRICKSON
SEAN HICKS	FRANK PLOEGER	MERCEDES RICH
ISAAC RIDDLE		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	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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VANCOUVER BC V6C 1A5

Finalized Date: 31-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059055

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13342		1.44	1.61	7.25	56.0	170	0.32	0.21	6.30	10.75	7.29	46.0	140	1.23	181.5	8.57
13343		1.60	2.95	5.92	3.9	210	0.42	1.46	5.30	0.41	7.05	209	148	1.40	649	17.00
13344		1.81	1.05	7.87	3.0	670	0.83	0.24	3.75	0.55	17.85	29.0	166	4.34	98.4	4.22
13345		1.97	2.69	6.68	24.0	600	0.57	0.33	1.78	3.37	34.1	34.0	27	2.13	193.0	3.12
13346		2.02	1.89	6.57	13.1	450	0.62	0.12	2.78	0.35	22.9	25.9	113	1.95	98.3	4.25
13347		2.14	2.52	7.28	28.1	480	0.81	0.14	5.21	0.65	14.35	44.1	191	1.97	128.5	6.76
13348		1.86	1.61	6.97	8.7	400	2.61	0.19	2.77	0.45	40.2	21.0	36	2.41	118.0	3.54
13349		1.61	0.21	6.00	1.6	110	1.73	0.09	1.22	0.71	8.84	1.5	13	4.92	7.9	0.45
13350		1.80	2.27	3.75	2.0	90	2.21	1.75	1.24	2.40	19.80	78.8	41	1.46	360	29.2
13351		2.20	1.24	5.54	2.3	220	1.68	0.93	1.79	0.53	32.4	47.6	54	2.24	632	15.05
13352		2.33	0.56	6.23	2.5	270	1.52	0.81	3.08	0.10	40.2	22.9	71	1.44	89.6	11.20
13353		2.31	0.51	6.12	0.8	200	0.95	0.80	3.10	0.21	37.3	16.5	65	1.41	117.5	13.50
13354		2.40	0.64	5.51	2.1	220	0.66	1.15	3.08	0.18	33.9	61.2	62	1.61	128.0	17.15
13355		2.20	0.52	5.15	1.4	140	0.99	0.95	2.43	0.09	30.8	41.4	57	1.55	123.0	16.55
13356		1.79	0.32	6.64	1.4	350	2.36	0.72	1.78	0.10	36.1	25.6	65	3.00	73.6	8.98
13357		1.99	0.39	6.97	3.0	190	3.11	0.52	1.43	0.04	57.5	27.3	81	1.01	112.5	7.06
13358		2.34	0.11	7.16	1.1	180	0.27	0.06	6.62	0.13	7.52	51.6	154	0.80	179.5	8.39
13359		1.09	0.07	7.21	2.0	140	1.59	0.18	5.39	0.09	16.65	37.6	117	3.93	122.0	5.09
13360		0.97	0.06	7.37	1.3	150	1.53	0.27	5.22	0.09	15.90	36.9	114	4.13	114.5	4.92
13361		0.07	>100	4.50	702	400	0.88	59.6	0.66	26.4	31.2	10.6	34	2.93	5310	2.33
13362		2.28	0.26	4.98	5.2	110	0.36	0.22	14.35	0.12	10.25	41.7	92	0.81	66.1	7.05

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VANCOUVER BC V6C 1A5

Finalized Date: 31-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059055

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13342		15.10	0.05	0.8	0.067	0.79	3.3	39.5	4.55	1840	2.50	1.89	1.9	120.0	230	507
13343		12.85	<0.05	0.7	0.111	0.99	3.0	19.9	3.21	1220	5.39	1.37	2.1	122.5	180	14.4
13344		19.05	<0.05	1.8	0.057	3.20	9.3	32.6	1.97	842	4.78	1.83	2.4	65.6	270	16.5
13345		17.65	0.06	3.3	0.298	2.83	18.8	18.2	1.15	484	3.88	2.56	3.0	41.4	290	21.4
13346		16.50	0.08	2.7	0.057	2.06	12.2	20.9	1.92	853	2.88	2.41	2.5	53.3	270	5.7
13347		18.45	0.05	1.4	0.065	1.38	7.0	33.6	3.40	1840	0.94	2.44	2.3	139.0	280	24.5
13348		19.75	0.08	3.8	0.069	1.67	21.5	26.9	1.43	1060	7.40	3.54	6.8	31.2	220	14.1
13349		17.40	<0.05	2.7	0.016	3.93	4.5	2.7	0.05	93	1.41	3.11	4.7	1.3	20	27.0
13350		14.95	0.12	2.6	0.218	0.59	11.7	21.5	1.07	801	9.01	1.66	3.2	169.0	180	21.0
13351		14.50	0.06	3.2	0.120	1.33	17.0	19.6	1.19	820	5.67	2.32	3.5	85.6	330	15.1
13352		15.20	<0.05	4.0	0.039	0.97	21.3	19.9	1.35	768	2.86	2.66	4.8	70.2	480	8.8
13353		15.30	<0.05	3.5	0.044	0.86	20.0	26.1	1.47	991	2.34	2.41	4.5	83.3	440	7.2
13354		13.60	<0.05	3.3	0.043	0.85	18.4	29.2	1.59	1130	2.90	1.82	3.9	96.1	390	5.9
13355		12.90	<0.05	3.0	0.035	1.14	16.5	20.4	1.06	830	3.24	2.05	2.8	103.0	460	8.9
13356		16.40	<0.05	3.8	0.026	1.67	18.8	16.7	0.55	394	2.67	2.93	4.9	59.1	470	16.5
13357		17.10	0.09	4.7	0.023	0.89	31.6	22.7	0.77	403	10.05	3.98	5.2	42.0	460	13.0
13358		16.25	<0.05	1.0	0.063	0.46	2.9	29.9	3.90	1520	1.22	1.43	2.1	104.0	320	2.4
13359		18.25	<0.05	1.6	0.050	1.34	8.7	16.6	2.29	1340	3.40	2.44	5.6	78.0	200	12.4
13360		18.40	<0.05	1.6	0.044	1.49	8.6	16.0	2.19	1280	1.82	2.51	4.7	75.9	200	12.3
13361		22.4	0.10	2.8	5.50	0.73	16.6	21.5	0.20	240	4.81	0.48	8.4	60.5	580	1065
13362		11.95	<0.05	1.1	0.054	0.42	4.8	27.9	5.73	1360	3.20	1.10	1.9	81.0	300	6.1

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 31-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059055

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13342		59.2	<0.002	0.29	0.80	37.7	1	0.4	107.5	0.13	0.17	0.22	0.496	0.32	0.2	270
13343		57.4	0.006	8.28	0.67	30.2	5	1.0	129.0	0.16	0.71	0.88	0.349	0.41	1.0	188
13344		121.0	0.004	1.69	0.21	34.1	2	1.3	148.0	0.18	0.49	2.30	0.370	1.19	0.8	207
13345		96.8	0.005	1.41	0.47	6.4	3	1.3	100.5	0.28	0.95	3.28	0.128	0.91	1.2	29
13346		82.9	<0.002	0.59	0.34	20.4	1	0.7	108.5	0.21	0.29	1.89	0.280	0.83	0.5	123
13347		65.4	<0.002	0.53	0.65	34.7	1	0.7	146.5	0.17	0.24	1.15	0.454	0.63	0.4	224
13348		84.0	0.004	0.77	0.26	9.6	2	0.7	110.0	0.48	0.43	3.53	0.192	0.92	1.1	60
13349		279	<0.002	0.18	0.27	0.6	1	0.2	40.2	0.39	<0.05	16.60	0.033	1.63	11.3	4
13350		44.7	0.005	>10.0	0.32	11.9	9	1.1	68.6	0.26	0.64	7.70	0.080	0.42	6.6	38
13351		91.7	0.004	6.47	0.19	11.9	5	1.4	169.0	0.33	0.39	6.17	0.132	0.54	3.6	51
13352		65.1	0.003	5.49	0.19	18.3	3	1.6	239	0.35	0.31	3.94	0.222	0.36	1.1	79
13353		58.5	0.002	5.87	0.12	23.7	1	1.4	223	0.35	0.20	3.55	0.205	0.34	0.9	87
13354		62.0	0.004	8.35	0.19	16.8	1	0.9	210	0.32	0.33	3.25	0.186	0.38	0.7	70
13355		61.1	0.003	8.58	0.16	12.1	1	0.9	167.0	0.23	0.22	3.63	0.141	0.38	0.9	53
13356		102.0	0.002	4.23	0.09	7.6	2	1.2	184.0	0.44	0.13	6.85	0.147	0.55	3.0	42
13357		54.0	0.003	2.90	0.12	9.5	1	1.0	171.0	0.44	0.15	14.20	0.176	0.30	2.1	57
13358		26.9	0.002	0.34	0.12	43.8	1	0.5	114.0	0.14	0.14	0.28	0.545	0.17	0.1	274
13359		78.5	0.002	0.16	0.10	29.8	1	0.5	119.0	0.73	0.08	9.32	0.410	0.56	5.1	196
13360		90.6	<0.002	0.14	0.13	29.0	1	0.5	117.0	0.49	0.07	8.92	0.409	0.60	4.8	193
13361		31.0	<0.002	2.15	87.4	4.6	34	6.0	473	0.66	41.5	7.52	0.241	1.86	2.7	34
13362		19.1	0.002	0.62	0.53	25.5	1	0.5	110.0	0.13	0.20	1.09	0.368	0.18	0.4	173

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 31-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059055

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	CRU-QC	PUL-QC
	Analyte	W	Y	Zn	Zr	Ag	Pass2mm	Pass75um
	Units	ppm	ppm	ppm	ppm	ppm	%	%
	LOD	0.1	0.1	2	0.5	1	0.01	0.01
13342		13.8	17.5	2320	25.9		71.4	93.9
13343		1.4	13.7	186	19.2			92.9
13344		2.3	13.8	184	57.9			
13345		2.2	7.0	1100	114.0			
13346		1.2	11.1	140	99.2			
13347		1.0	16.6	254	46.3			
13348		1.7	7.4	215	144.0			
13349		0.3	2.6	219	58.1			
13350		0.5	8.5	717	79.1			
13351		0.3	13.2	222	116.5			
13352		0.3	16.2	91	155.5			
13353		0.3	17.7	128	147.5			
13354		0.4	15.1	120	130.0			
13355		0.3	12.6	72	118.5			
13356		0.3	11.7	46	134.0			
13357		0.7	10.5	30	166.5			
13358		0.8	19.7	105	24.9			
13359		0.5	14.5	69	36.1		74.3	
13360		0.5	14.4	67	36.2			
13361		13.5	6.8	4310	91.9	121		
13362		3.4	12.2	73	34.6			

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VANCOUVER BC V6C 1A5

Finalized Date: 31-MAR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20059055

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-22	LOG-24
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	ME-MS61	ME-OG62

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

CERTIFICATE SD20065580

Project: McAra - Kite Lake

This report is for 25 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2020.

The following have access to data associated with this certificate:

PETER DOYLE	JON EDWARDS	MIKE HENDRICKSON
SEAN HICKS	FRANK PLOEGER	MERCEDES RICH
ISAAC RIDDLE		

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

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

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

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

Signature:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20065580

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13481		2.32	0.26	7.26	6.3	120	0.24	0.10	5.87	1.04	8.70	43.0	209	0.86	172.5	7.41
13482		2.43	0.16	7.28	5.5	170	0.27	0.08	5.39	0.46	9.33	43.1	222	1.19	114.5	7.69
13483		2.28	0.30	7.34	5.7	250	0.34	0.15	6.24	2.13	7.71	48.6	239	1.02	243	7.56
13484		2.37	0.34	7.40	7.7	220	0.36	0.26	7.79	4.26	6.45	45.7	208	0.72	197.5	7.69
13485		2.30	0.13	7.21	3.5	350	0.41	0.11	7.88	1.41	7.47	42.3	203	1.33	97.8	7.14
13486		1.68	0.05	8.08	3.0	160	0.41	0.03	2.64	0.24	12.55	25.8	55	0.19	169.5	2.71
13487		0.88	0.30	7.55	8.1	300	0.62	0.19	4.48	1.66	7.39	82.5	246	1.01	226	7.51
13488		2.25	1.78	7.71	36.4	340	0.59	0.35	2.50	1.61	17.05	44.8	179	1.16	129.0	8.26
13489		2.27	0.12	7.73	1.7	240	0.78	0.04	2.46	0.05	21.8	10.1	21	0.94	23.2	2.21
13490		2.20	0.25	7.96	7.5	460	0.63	0.08	3.79	0.51	18.80	23.1	96	1.14	66.0	5.28
13491		1.81	0.27	7.34	9.9	370	0.70	0.07	2.90	0.37	18.90	17.3	38	0.90	65.0	3.99
13492		2.38	1.69	6.31	57.0	210	0.56	0.91	5.02	7.36	26.3	177.5	156	0.58	1330	7.08
13493		2.24	0.48	7.37	13.8	420	0.85	0.36	3.12	1.06	39.5	64.7	179	0.48	419	6.38
13494		2.35	0.32	6.77	11.3	520	0.93	0.43	1.85	1.40	35.8	44.0	116	1.64	248	7.40
13495		2.25	0.39	6.99	6.7	340	0.63	0.35	4.23	1.27	18.40	52.2	109	1.03	343	9.83
13496		2.25	0.12	7.77	3.8	610	0.90	0.10	3.87	0.29	45.3	28.5	79	0.79	86.6	5.74
13497		2.23	0.16	7.99	5.8	430	0.44	0.09	3.74	0.66	13.45	51.6	223	1.46	135.0	8.01
13498		2.19	0.40	4.81	60.1	140	0.70	0.34	3.42	1.18	18.70	36.5	95	0.65	219	9.57
13499		1.14	0.29	6.39	32.7	280	0.72	0.22	4.43	0.24	26.4	38.9	36	0.94	177.0	11.25
13500		1.26	0.28	6.20	37.3	260	0.77	0.24	4.34	0.26	25.5	44.9	35	0.82	156.0	10.95
13501		0.12	4.06	5.36	15.6	110	0.59	0.82	3.49	2.19	17.30	948	267	0.81	>10000	17.30
13502		2.43	1.32	6.96	20.9	580	0.79	0.45	2.18	2.08	20.1	48.9	110	1.60	1400	9.25
13503		2.35	0.98	6.81	17.3	600	1.00	0.45	1.68	3.57	45.2	50.9	33	1.05	384	7.14
13504		2.58	1.43	2.79	34.1	250	0.47	1.20	3.70	2.90	25.0	214	29	0.52	582	20.0
13505		2.20	0.77	6.70	8.0	630	0.98	0.40	3.37	0.94	63.9	58.5	202	1.12	188.0	9.57

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20065580

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13481		15.25	<0.05	0.9	0.061	0.67	3.6	59.1	5.06	1680	0.37	2.51	2.1	117.5	260	101.5
13482		14.70	<0.05	1.1	0.059	0.76	3.8	58.4	4.75	1860	0.38	2.45	2.3	93.1	290	61.7
13483		15.65	<0.05	1.0	0.071	0.81	3.1	72.7	5.30	1700	1.91	1.79	1.8	256	220	99.1
13484		17.10	<0.05	0.9	0.081	1.30	2.7	64.8	4.66	2150	0.95	1.24	1.7	182.5	250	401
13485		16.15	<0.05	1.0	0.054	1.31	3.0	51.6	4.71	1770	0.42	1.08	1.8	149.0	230	155.0
13486		15.95	0.05	1.6	0.024	0.99	6.3	22.6	1.46	613	0.23	4.64	2.8	45.9	370	26.4
13487		14.85	<0.05	0.6	0.066	0.95	3.1	53.7	5.68	1720	0.63	2.47	1.7	260	230	114.5
13488		18.25	<0.05	2.1	0.233	1.22	8.3	52.9	3.53	1400	2.19	2.61	3.4	104.0	330	48.8
13489		21.4	0.06	2.0	0.022	1.21	11.4	39.4	1.11	407	0.80	4.19	3.7	15.2	430	4.5
13490		19.75	<0.05	1.6	0.051	2.17	9.5	54.0	2.59	1340	1.19	2.34	3.6	53.5	450	20.2
13491		19.75	0.18	1.9	0.048	1.43	9.3	43.4	2.18	1020	3.34	3.09	3.2	32.8	400	25.9
13492		22.2	0.15	2.2	1.090	0.77	12.4	25.4	2.10	917	6.02	2.77	2.7	149.5	390	48.5
13493		19.60	0.17	2.8	0.213	1.37	19.4	35.8	3.32	764	5.36	3.45	3.9	101.5	690	18.2
13494		18.00	0.19	2.9	0.324	1.36	17.1	42.3	2.13	551	3.77	2.00	2.6	97.4	440	19.2
13495		18.35	0.12	2.0	0.254	1.00	8.5	27.9	3.78	1540	1.96	1.79	2.3	81.6	360	19.4
13496		19.75	0.16	3.0	0.069	1.26	21.5	25.1	2.88	1200	0.62	2.94	3.4	50.5	670	9.4
13497		17.55	0.14	1.7	0.126	1.31	6.0	38.7	4.58	1920	0.75	2.06	2.8	136.5	310	4.6
13498		11.45	0.11	2.0	0.181	0.56	9.5	16.6	1.95	1660	2.34	2.18	3.0	70.0	320	13.1
13499		14.35	0.11	2.7	0.134	1.46	13.2	19.7	1.01	1840	1.64	2.23	3.9	71.5	370	10.6
13500		13.80	0.11	2.5	0.144	1.34	13.1	18.0	0.97	1730	1.73	2.23	3.8	72.8	340	10.6
13501		12.25	0.34	1.3	0.124	0.30	7.8	9.0	3.89	988	5.26	1.14	5.2	>10000	470	13.1
13502		19.40	0.12	2.2	0.291	2.19	9.6	37.1	2.22	1080	2.30	1.94	2.4	132.0	420	26.5
13503		21.5	0.17	3.1	0.532	2.01	21.4	18.2	0.91	448	3.27	2.44	3.2	56.3	680	25.6
13504		8.53	0.14	1.5	0.333	1.52	13.4	9.8	0.59	714	4.16	0.61	1.7	111.0	240	20.6
13505		16.55	0.15	3.1	0.150	1.48	30.7	32.1	3.37	910	3.05	2.10	3.5	181.5	660	26.6

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

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Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20065580

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13481		17.7	<0.002	0.22	0.25	38.5	1	0.5	162.0	0.14	0.10	0.46	0.472	0.13	0.1	244
13482		25.4	0.002	0.13	0.20	42.2	1	0.5	172.0	0.16	0.05	0.51	0.511	0.16	0.1	264
13483		29.7	0.011	0.19	0.15	30.0	<1	1.0	110.0	0.11	0.16	0.24	0.435	0.21	0.1	230
13484		30.5	0.002	0.55	0.18	37.5	1	1.3	75.0	0.11	0.17	0.19	0.435	0.21	<0.1	230
13485		44.9	<0.002	0.17	0.15	36.0	1	0.6	117.5	0.12	0.08	0.21	0.442	0.28	0.1	223
13486		19.3	<0.002	0.04	0.07	10.1	<1	0.5	89.8	0.19	<0.05	1.23	0.255	0.17	0.3	66
13487		36.6	0.002	0.19	0.19	35.3	1	0.8	146.0	0.11	0.15	0.23	0.430	0.22	0.1	220
13488		44.9	0.013	2.31	1.72	27.8	4	2.0	172.0	0.23	1.19	1.70	0.420	0.45	0.5	169
13489		28.6	<0.002	0.12	0.11	6.1	1	0.7	193.0	0.25	<0.05	1.72	0.260	0.28	0.4	44
13490		59.4	<0.002	0.54	0.33	17.8	1	0.6	185.5	0.22	0.12	1.17	0.391	0.48	0.3	118
13491		41.4	<0.002	0.37	0.64	9.7	1	0.7	169.0	0.22	0.11	1.48	0.255	0.48	0.4	66
13492		25.6	0.012	2.49	0.85	20.3	13	5.2	230	0.19	5.20	2.05	0.287	0.48	0.6	120
13493		32.1	0.003	2.55	1.19	21.4	4	2.5	224	0.26	1.11	2.94	0.342	0.47	0.9	137
13494		51.8	0.009	3.68	0.59	22.2	6	2.7	314	0.18	1.31	3.71	0.268	0.87	1.0	138
13495		42.0	0.006	2.64	0.61	33.4	5	2.6	227	0.17	0.85	1.48	0.397	0.54	0.4	209
13496		36.0	0.002	0.78	0.56	21.7	1	1.3	412	0.21	0.15	4.50	0.401	0.43	1.1	149
13497		57.0	0.003	0.81	0.58	34.4	1	1.2	168.0	0.19	0.30	1.05	0.448	0.72	0.3	213
13498		20.8	0.007	4.04	0.90	15.1	4	2.1	118.0	0.22	1.08	1.84	0.240	0.55	0.5	93
13499		51.6	0.003	3.98	0.68	14.5	2	1.4	165.0	0.30	0.41	2.80	0.261	0.93	0.7	87
13500		46.3	0.004	3.83	0.66	14.1	2	1.4	157.0	0.28	0.40	2.74	0.254	0.88	0.7	85
13501		11.7	0.048	8.17	3.42	9.6	22	2.6	182.5	0.32	4.85	1.05	0.522	0.17	0.3	78
13502		53.0	0.004	4.34	0.86	18.8	6	3.1	183.5	0.18	2.72	1.51	0.278	1.45	0.5	121
13503		58.2	0.005	3.62	0.65	8.1	7	3.1	325	0.23	1.16	3.38	0.203	1.46	0.9	52
13504		45.6	0.013	>10.0	1.06	7.2	9	2.9	57.4	0.13	1.77	1.62	0.098	1.21	0.5	33
13505		45.6	0.008	5.45	0.41	20.3	3	1.5	362	0.24	0.77	4.67	0.252	0.82	1.2	115

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 1-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20065580

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
	Analyte	W	Y	Zn	Zr	Cu	Ni	Pass2mm	Pass75um
	Units	ppm	ppm	ppm	ppm	%	%	%	%
	LOD	0.1	0.1	2	0.5	0.001	0.001	0.01	0.01
13481		0.9	17.3	313	28.9			72.6	85.6
13482		0.9	18.4	206	36.3				
13483		1.1	17.4	658	27.1				
13484		1.3	15.0	1240	29.1				
13485		1.4	16.2	445	30.4				
13486		0.6	6.1	151	56.6				
13487		0.7	14.8	549	21.3				98.2
13488		0.5	14.7	441	80.4				96.7
13489		0.3	5.2	44	74.7				
13490		0.4	9.6	169	62.7				
13491		0.3	6.7	150	69.8				
13492		0.4	11.4	3320	78.3				
13493		0.4	13.6	508	99.6				
13494		0.7	13.7	572	105.0				
13495		0.4	17.5	621	63.2				
13496		0.4	14.2	178	107.5				
13497		0.5	15.6	293	69.0				
13498		0.5	11.8	488	68.0				
13499		0.4	11.0	163	106.5				
13500		0.4	10.3	187	101.5				
13501		2.3	10.0	138	51.3	1.655	4.67		
13502		0.8	10.7	899	79.4				
13503		0.7	8.3	1480	110.0				
13504		0.7	7.4	940	54.3				
13505		1.1	12.4	329	119.5				

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CERTIFICATE OF ANALYSIS SD20065580

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-22	LOG-24
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Cu-OG62	ME-MS61	ME-OG62	Ni-OG62

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THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 10-APR-2020
Account: BMRPLLBW

CERTIFICATE SD20067398

Project: McAra - Kite Lake

This report is for 44 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2020.

The following have access to data associated with this certificate:

PETER DOYLE	JON EDWARDS	MIKE HENDRICKSON
SEAN HICKS	FRANK PLOEGER	MERCEDES RICH
ISAAC RIDDLE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

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

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

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

Signature:

Saa Traxler, General Manager, North Vancouver

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VANCOUVER BC V6C 1A5

Finalized Date: 10-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20067398

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
13427		1.90	0.05	7.21	19.3	320	1.39	0.15	0.25	0.06	67.4	50.7	78	1.14	143.0	3.36
13428		1.98	0.06	6.47	4.0	280	0.84	0.19	0.18	0.02	40.9	19.5	70	0.77	10.8	2.04
13429		1.76	0.19	3.02	7.9	100	0.46	0.27	0.08	0.02	14.20	10.3	54	0.34	160.0	0.91
13430		1.75	0.07	7.28	7.0	350	1.06	0.25	0.30	<0.02	45.4	22.4	79	1.02	57.4	3.13
13431		1.24	0.06	6.76	6.0	280	0.99	0.19	0.29	0.03	31.8	24.2	82	0.87	64.4	3.35
13432		0.68	0.13	6.11	7.6	260	0.89	0.21	0.22	0.07	77.5	32.9	67	0.73	555	2.41
13433		0.50	<0.01	0.07	0.6	20	0.06	0.01	32.2	<0.02	1.13	0.9	8	<0.05	7.1	0.11
13434		1.77	0.13	7.33	7.9	300	1.39	0.28	0.41	0.16	36.9	50.2	88	0.86	377	4.63
13435		1.82	0.14	7.39	10.9	220	1.04	0.28	0.29	0.12	49.4	60.6	168	0.91	205	5.29
13436		1.42	0.09	8.24	11.7	250	1.10	0.12	0.85	0.04	50.4	44.5	68	1.04	151.0	3.71
13437		1.24	0.17	7.58	69.0	320	1.04	0.08	0.38	0.02	22.9	115.0	76	2.57	416	3.92
13438		0.89	0.23	8.27	27.3	270	1.35	0.71	0.54	0.04	20.9	108.5	206	1.65	140.0	6.46
13439		0.77	0.09	7.45	10.2	250	1.04	0.18	0.38	<0.02	29.5	69.4	120	0.96	80.6	5.11
13440		0.75	0.07	7.39	9.6	230	1.06	0.20	0.34	<0.02	17.15	69.1	140	0.81	77.9	5.64
13441		0.08	4.02	5.61	13.5	120	0.60	0.88	3.60	2.23	17.60	988	265	0.72	>10000	18.30
13442		1.60	0.06	7.74	17.3	300	1.27	0.16	0.53	<0.02	23.6	101.0	114	1.55	101.5	5.29
13443		1.52	0.05	7.59	114.0	260	1.19	0.11	0.55	<0.02	20.3	111.0	183	3.27	129.0	5.87
13444		1.30	0.06	6.89	35.7	250	1.34	0.13	0.45	<0.02	23.4	83.9	112	2.64	94.8	3.19
13445		1.27	0.10	6.79	11.0	370	1.05	0.15	0.42	<0.02	27.7	93.2	98	1.32	121.5	4.54
13446		1.26	0.06	7.69	9.9	310	1.87	0.05	1.31	0.08	28.7	197.5	99	2.66	176.5	9.78
13447		1.30	0.04	7.07	8.2	210	1.44	0.04	0.94	0.03	22.9	164.5	80	2.33	138.5	9.92
13448		0.80	0.08	7.32	18.3	230	1.54	0.04	1.00	0.02	28.9	167.5	88	2.66	161.5	9.80
13449		1.12	0.08	7.36	10.7	470	1.59	0.12	0.80	<0.02	27.5	122.0	64	2.37	186.0	7.90
13450		1.80	0.14	7.12	10.5	260	1.14	0.13	1.39	0.07	12.25	72.5	148	0.73	69.8	4.27
13451		2.24	1.72	7.61	12.1	230	0.32	0.71	2.96	1.26	9.35	92.4	141	1.38	510	9.27
13452		2.15	0.77	7.27	11.7	510	0.34	0.31	3.68	1.10	6.99	72.3	130	2.04	595	9.11
13453		2.16	0.18	4.28	3.5	10	0.78	0.20	6.65	0.15	32.9	52.1	413	1.27	334	8.54
13454		2.60	0.39	7.15	26.8	380	0.44	0.09	4.15	0.87	6.73	83.5	129	1.26	381	8.49
13455		2.26	0.06	7.22	5.5	420	0.75	0.05	7.10	0.07	7.77	52.3	103	0.44	148.5	7.91
5960		2.14	0.33	7.28	13.3	1030	0.57	0.26	6.67	0.74	9.47	48.2	101	1.36	231	8.14
5961		2.20	0.40	7.38	8.0	520	0.68	0.36	5.54	0.22	11.40	50.4	121	1.10	169.5	8.40
13456		2.17	0.26	7.06	4.4	550	0.61	0.21	6.09	0.11	8.57	56.7	116	2.05	192.0	8.12
13457		2.56	0.20	7.32	4.9	540	0.80	0.09	5.94	0.10	9.59	55.9	116	2.19	125.0	8.48
13458		2.07	0.43	7.34	9.0	620	0.90	0.16	4.76	0.05	8.35	47.4	121	1.19	178.0	7.41
13459		1.03	0.25	7.59	17.4	420	0.64	0.48	5.64	<0.02	6.51	45.7	138	0.74	188.5	5.34
13460		0.94	0.35	7.87	19.1	450	0.69	0.50	5.84	<0.02	6.56	51.5	126	0.85	298	5.65
13461		0.08	3.94	5.76	14.0	120	0.55	0.89	3.64	2.19	17.20	1010	262	0.78	>10000	18.95
13462		2.03	0.13	7.55	15.6	520	0.86	0.35	5.86	<0.02	11.05	49.9	94	0.65	208	5.77
13463		2.18	0.13	8.13	9.0	1450	1.08	0.31	4.78	0.02	7.43	48.8	113	0.84	147.0	7.89
13464		2.44	0.09	7.31	7.8	870	1.23	0.18	5.11	<0.02	7.58	48.3	103	1.06	160.5	7.53

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

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 10-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20067398

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
13427		19.70	0.18	3.3	0.020	2.23	34.4	36.8	1.58	266	2.75	2.92	5.6	66.8	490	6.3
13428		13.30	0.13	2.5	0.011	1.93	20.5	23.4	0.95	204	4.72	3.22	4.0	31.1	380	6.4
13429		5.48	0.10	1.1	0.007	0.80	6.5	17.2	0.31	87	4.77	1.62	1.5	12.1	150	3.9
13430		16.90	0.14	3.5	0.016	2.34	20.3	29.9	1.51	304	2.10	3.09	5.6	32.6	500	7.8
13431		17.70	0.12	3.3	0.015	1.74	12.5	33.0	1.68	357	3.27	2.96	5.6	36.8	460	8.5
13432		13.55	0.18	2.6	0.020	1.76	40.5	22.4	1.13	263	2.79	2.88	4.4	26.3	400	8.5
13433		0.26	0.10	<0.1	<0.005	0.01	1.1	1.2	1.11	64	0.67	0.03	0.1	0.9	40	<0.5
13434		19.15	0.12	3.3	0.027	1.80	17.2	38.0	2.36	583	1.89	2.88	6.6	55.4	540	9.8
13435		17.95	0.14	2.4	0.031	1.68	25.2	44.8	2.78	664	8.17	2.81	3.9	91.6	410	7.4
13436		18.75	0.13	4.1	0.028	1.24	26.9	41.2	1.67	471	1.90	3.34	6.0	52.3	600	4.1
13437		17.00	0.10	2.4	0.026	1.60	9.8	29.0	1.73	611	2.21	3.18	3.8	78.1	510	3.8
13438		17.95	0.10	1.5	0.076	1.25	8.5	56.9	3.11	917	2.15	3.32	2.7	154.0	340	4.3
13439		17.55	0.11	2.5	0.042	1.28	13.6	49.9	2.98	743	1.83	2.84	4.0	97.2	480	4.5
13440		17.15	0.07	2.5	0.041	1.26	6.6	51.5	3.20	818	1.85	3.04	3.8	102.0	520	4.5
13441		11.80	0.28	1.1	0.114	0.32	7.0	9.4	4.09	1030	4.77	1.19	4.8	>10000	460	13.0
13442		17.00	0.09	2.2	0.046	1.29	9.7	51.7	2.79	751	1.58	3.04	3.7	109.5	460	3.3
13443		16.15	0.08	2.4	0.056	1.19	8.0	63.7	2.44	712	1.99	2.29	3.5	140.0	430	2.1
13444		14.35	0.10	2.0	0.034	1.86	10.6	32.8	1.49	460	1.46	2.70	3.7	95.3	320	6.9
13445		15.15	0.10	2.4	0.034	1.74	11.8	46.4	2.76	712	2.00	2.40	3.9	99.7	410	9.2
13446		21.7	0.12	3.0	0.089	1.45	11.1	62.6	4.46	1260	0.53	1.89	5.3	176.0	640	61.1
13447		19.20	0.12	2.8	0.072	1.43	9.0	58.5	4.52	1300	0.43	1.71	5.2	137.5	640	42.0
13448		20.5	0.09	3.2	0.083	1.36	11.2	66.1	4.03	1180	0.65	2.03	5.6	139.5	670	26.5
13449		22.2	0.11	3.2	0.077	2.41	10.9	44.8	3.79	1080	1.73	1.94	5.5	93.8	610	11.3
13450		14.40	0.08	1.7	0.042	1.47	5.4	34.7	2.33	972	39.2	3.83	3.3	119.5	270	15.5
13451		17.50	0.11	1.4	0.140	1.05	3.7	31.4	2.87	1940	2.60	3.28	2.4	154.5	270	334
13452		17.95	0.08	0.9	0.144	1.35	2.8	35.9	3.51	2020	6.22	2.72	2.1	130.0	260	30.6
13453		16.10	0.09	2.1	0.077	0.04	15.3	61.7	5.96	1900	1.11	0.17	5.8	480	490	29.6
13454		17.90	0.09	1.0	0.089	1.31	2.8	41.5	3.73	2460	1.77	2.34	2.1	153.0	270	20.8
13455		17.05	0.07	0.8	0.057	2.02	4.1	27.5	4.00	2190	0.61	2.09	1.8	115.0	240	7.6
5960		20.4	0.10	1.0	0.067	2.75	5.2	55.0	3.86	2070	2.75	1.61	1.7	115.5	220	74.4
5961		18.90	0.09	1.0	0.075	1.89	7.1	49.2	3.85	2130	4.08	2.06	1.9	121.5	260	64.7
13456		16.65	0.07	0.9	0.073	1.93	4.0	38.8	3.83	2170	3.56	2.11	2.1	135.0	260	21.0
13457		16.55	0.08	1.1	0.073	2.14	4.4	36.0	4.00	2180	1.74	2.18	2.0	132.5	270	6.1
13458		16.80	0.09	0.9	0.069	2.50	4.2	61.3	3.14	1700	1.47	2.16	1.9	122.5	230	10.1
13459		18.20	0.11	0.8	0.041	6.00	3.2	33.4	2.22	950	7.34	1.12	1.6	85.1	270	4.2
13460		19.70	0.11	0.8	0.035	6.35	3.3	32.6	2.37	1020	15.05	0.99	1.7	87.9	270	4.2
13461		12.55	0.31	1.1	0.120	0.32	7.2	10.5	4.16	1030	4.72	1.24	5.0	>10000	490	13.7
13462		17.90	0.08	0.7	0.059	4.49	5.5	32.8	2.33	1020	1.39	2.00	1.6	111.5	190	3.0
13463		19.30	0.10	0.8	0.078	3.90	3.7	60.0	3.18	1400	0.49	1.74	1.7	119.0	210	18.1
13464		22.0	0.08	0.8	0.065	3.89	4.2	60.3	3.34	1290	1.53	1.40	1.6	107.0	200	14.5

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To: **BATTERY MINERAL RESOURCES CORP.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 10-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20067398

Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
13427		63.4	<0.002	0.03	2.22	8.9	<1	0.9	115.5	0.53	<0.05	7.67	0.234	0.42	3.9	69
13428		62.5	0.002	0.06	0.50	5.1	<1	0.5	92.0	0.41	<0.05	5.94	0.164	0.43	3.3	51
13429		24.2	<0.002	0.02	0.54	2.8	1	0.2	29.0	0.16	<0.05	2.36	0.061	0.19	1.3	17
13430		69.6	<0.002	0.09	0.13	7.6	<1	0.9	112.0	0.56	<0.05	8.17	0.223	0.50	3.3	62
13431		61.2	<0.002	0.08	0.12	8.6	<1	0.8	106.5	0.54	<0.05	8.07	0.219	0.43	4.0	71
13432		56.2	0.002	0.12	0.12	6.8	1	0.6	79.9	0.44	<0.05	6.67	0.173	0.40	2.9	49
13433		0.3	<0.002	<0.01	0.05	0.2	1	<0.2	80.0	<0.05	<0.05	0.09	0.005	0.02	0.2	1
13434		53.9	<0.002	0.17	0.17	10.8	1	0.9	113.0	0.64	<0.05	8.62	0.269	0.52	3.8	87
13435		41.3	0.003	0.10	0.93	19.0	<1	1.3	79.7	0.36	<0.05	5.60	0.304	0.43	3.0	134
13436		46.7	<0.002	0.06	1.33	10.5	1	1.2	142.0	0.51	<0.05	4.63	0.294	0.28	1.7	79
13437		53.6	<0.002	<0.01	3.66	11.5	<1	1.0	142.0	0.35	<0.05	4.46	0.269	0.38	1.7	92
13438		19.3	0.002	0.47	2.18	32.3	1	0.9	96.3	0.20	0.08	1.19	0.419	0.70	1.9	233
13439		42.9	<0.002	0.14	1.05	19.0	1	0.8	111.0	0.35	<0.05	3.92	0.347	0.34	2.2	136
13440		17.8	<0.002	0.13	1.16	18.8	1	0.9	94.9	0.32	<0.05	2.55	0.376	0.37	1.9	158
13441		10.0	0.050	8.16	3.02	8.3	23	2.6	187.5	0.28	4.21	0.97	0.538	0.17	0.3	81
13442		23.5	<0.002	0.16	1.62	23.5	<1	0.8	103.0	0.32	<0.05	2.40	0.383	0.42	1.7	166
13443		30.5	<0.002	<0.01	3.51	20.8	<1	0.9	86.0	0.29	<0.05	1.80	0.299	0.42	1.2	146
13444		78.1	<0.002	0.01	2.15	14.1	1	0.6	102.0	0.32	<0.05	6.71	0.219	0.53	1.8	91
13445		62.8	<0.002	0.14	1.64	18.0	2	0.8	128.5	0.34	<0.05	4.88	0.298	0.53	2.0	128
13446		31.0	0.002	0.12	2.26	39.9	1	1.0	86.2	0.34	<0.05	2.31	0.776	0.33	1.3	344
13447		24.2	<0.002	0.10	1.45	38.6	1	1.0	55.5	0.34	<0.05	2.03	0.747	0.26	0.9	320
13448		38.4	0.002	0.15	1.42	42.4	1	1.1	69.5	0.32	<0.05	2.42	0.785	0.30	0.9	337
13449		83.3	0.002	0.12	0.85	31.7	1	0.9	53.1	0.38	<0.05	7.27	0.639	0.72	2.2	256
13450		36.2	0.012	0.10	0.41	21.0	1	0.4	132.5	0.24	<0.05	10.05	0.302	0.31	2.5	145
13451		49.4	0.011	3.64	0.43	46.9	6	1.4	175.0	0.15	1.97	0.72	0.480	1.87	0.2	257
13452		41.9	0.005	2.17	0.35	41.6	4	2.1	137.0	0.13	0.94	0.35	0.492	0.70	0.1	262
13453		2.3	<0.002	0.12	0.27	20.7	1	0.7	25.3	0.34	<0.05	1.99	0.553	0.06	0.4	188
13454		31.7	0.002	0.54	0.35	39.8	1	0.6	194.5	0.12	0.23	0.25	0.509	0.51	0.2	287
13455		58.6	0.003	0.10	0.21	42.6	<1	0.5	203	0.11	<0.05	0.20	0.495	0.47	0.1	273
5960		98.2	0.002	0.15	0.27	41.5	1	1.3	124.0	0.11	0.19	0.53	0.461	0.79	0.2	275
5961		61.0	0.004	0.19	0.28	46.2	1	1.0	108.5	0.12	0.21	0.18	0.535	0.47	0.1	310
13456		65.0	0.003	0.21	0.16	46.0	1	0.7	113.5	0.12	0.18	0.17	0.541	0.60	0.1	315
13457		88.6	0.003	0.17	0.23	46.5	1	0.7	101.5	0.12	0.15	0.22	0.532	0.68	0.2	312
13458		77.3	0.002	0.14	0.15	41.3	1	0.9	85.2	0.12	0.22	0.18	0.512	0.63	0.1	296
13459		131.0	0.005	0.26	0.21	24.7	1	0.8	45.2	0.09	0.23	0.33	0.355	1.14	0.2	225
13460		152.0	0.010	0.28	0.19	27.4	1	0.8	45.3	0.09	0.25	0.31	0.363	1.13	0.2	235
13461		10.8	0.050	8.51	2.98	9.0	23	2.7	196.0	0.28	4.51	1.08	0.541	0.20	0.3	83
13462		100.0	0.003	0.25	0.14	32.2	1	0.5	65.2	0.09	0.09	0.13	0.403	0.90	0.1	253
13463		72.2	0.003	0.36	0.23	35.6	1	0.5	172.0	0.10	0.11	0.11	0.457	0.88	0.1	286
13464		74.2	<0.002	0.18	0.19	29.9	<1	0.5	130.0	0.10	0.08	0.13	0.424	1.05	0.1	276

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THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 10-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20067398

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
	Analyte	W	Y	Zn	Zr	Cu	Ni	Pass2mm	Pass75um
	Units	ppm	ppm	ppm	ppm	%	%	%	%
	LOD	0.1	0.1	2	0.5	0.001	0.001	0.01	0.01
13427		1.0	14.1	87	126.0			96.0	93.2
13428		0.6	9.2	43	95.6				97.1
13429		0.2	5.8	17	43.8				
13430		0.8	9.9	48	130.5				
13431		0.7	9.8	50	128.0				
13432		0.5	10.3	43	104.5				
13433		<0.1	1.8	3	1.6				
13434		0.9	11.1	91	122.0				
13435		1.3	11.2	118	86.5			86.4	
13436		1.0	15.0	97	175.0				
13437		1.2	12.1	178	88.6				
13438		1.1	8.4	201	53.5				
13439		1.1	12.7	144	96.1				
13440		1.2	9.8	159	88.7				
13441		2.1	9.1	140	47.3	1.590	4.49		
13442		1.0	10.6	163	85.5				
13443		0.9	9.6	206	96.8				
13444		0.6	9.7	128	72.9				
13445		0.8	11.4	153	89.2				
13446		0.9	29.0	283	119.0				
13447		0.7	26.0	245	117.5				
13448		0.8	28.4	218	127.0				
13449		1.4	26.4	151	117.0				
13450		1.4	11.3	96	60.2				
13451		1.6	19.4	474	40.7				
13452		1.5	16.7	518	27.1				
13453		1.0	15.6	223	93.5				
13454		1.2	14.3	363	31.3				
13455		1.9	16.7	111	24.1				
5960		1.3	16.8	365	29.0				
5961		1.1	19.6	177	28.8				
13456		0.8	18.7	122	28.8				
13457		0.9	19.1	120	34.9				
13458		1.2	15.9	95	34.1				
13459		1.0	9.4	56	28.0				
13460		1.0	9.5	60	27.3				
13461		2.4	9.1	144	51.7	1.610	4.56		
13462		1.2	9.8	66	26.2				
13463		1.4	12.1	119	27.3				
13464		1.4	11.3	99	26.6			88.0	96.4

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VANCOUVER BC V6C 1A5

Finalized Date: 10-APR-2020
Account: BMRPLLBW

Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20067398

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
5962		2.21	0.14	7.54	5.1	410	1.17	0.17	5.04	0.02	9.17	43.3	125	1.19	272	7.24
5963		2.23	0.17	7.90	8.4	870	0.50	0.06	7.51	0.58	5.90	55.7	100	2.50	114.0	7.77
13465		1.06	0.11	6.53	2.2	340	0.43	0.07	4.13	0.16	24.1	22.7	82	0.64	52.6	5.45
13466		2.55	0.31	8.69	3.1	140	0.26	0.12	7.07	0.14	7.30	65.7	129	0.55	207	8.94

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Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20067398

Sample Description	Method	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
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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
5962		20.9	0.09	1.0	0.076	2.59	4.7	47.9	3.62	1350	2.91	2.16	2.0	105.5	350	5.0
5963		17.55	0.10	0.7	0.066	2.17	2.3	53.5	4.07	2500	2.76	1.81	1.9	168.0	250	88.6
13465		16.40	0.08	2.0	0.034	0.84	10.3	29.6	2.47	1090	1.37	2.42	3.3	52.6	520	14.2
13466		20.5	0.08	0.9	0.085	0.44	2.7	29.6	2.92	2030	0.49	3.43	2.2	133.5	270	9.0

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Sample Description	Method	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
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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
5962		66.8	0.002	0.11	0.15	40.3	1	0.5	79.7	0.11	0.06	0.23	0.504	0.61	0.2	296
5963		57.0	0.002	0.05	0.19	38.8	1	0.5	189.0	0.11	0.05	0.20	0.498	0.55	0.1	276
13465		40.5	0.002	0.29	0.16	22.2	1	0.6	146.5	0.21	0.07	1.64	0.385	0.39	0.5	159
13466		13.5	0.003	2.28	0.45	50.8	2	1.2	247	0.13	0.63	0.19	0.575	0.50	0.1	318

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CERTIFICATE OF ANALYSIS SD20067398

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
	Analyte	W	Y	Zn	Zr	Cu	Ni	Pass2mm	Pass75um
	Units	ppm	ppm	ppm	ppm	%	%	%	%
	LOD	0.1	0.1	2	0.5	0.001	0.001	0.01	0.01
5962		1.4	13.2	84	35.0				92.7
5963		0.8	15.1	320	18.4				
13465		0.4	15.3	111	84.5				
13466		0.7	20.8	136	28.8				

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Project: McAra - Kite Lake

CERTIFICATE OF ANALYSIS SD20067398

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-22	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Cu-OG62	ME-MS61	ME-OG62	Ni-OG62

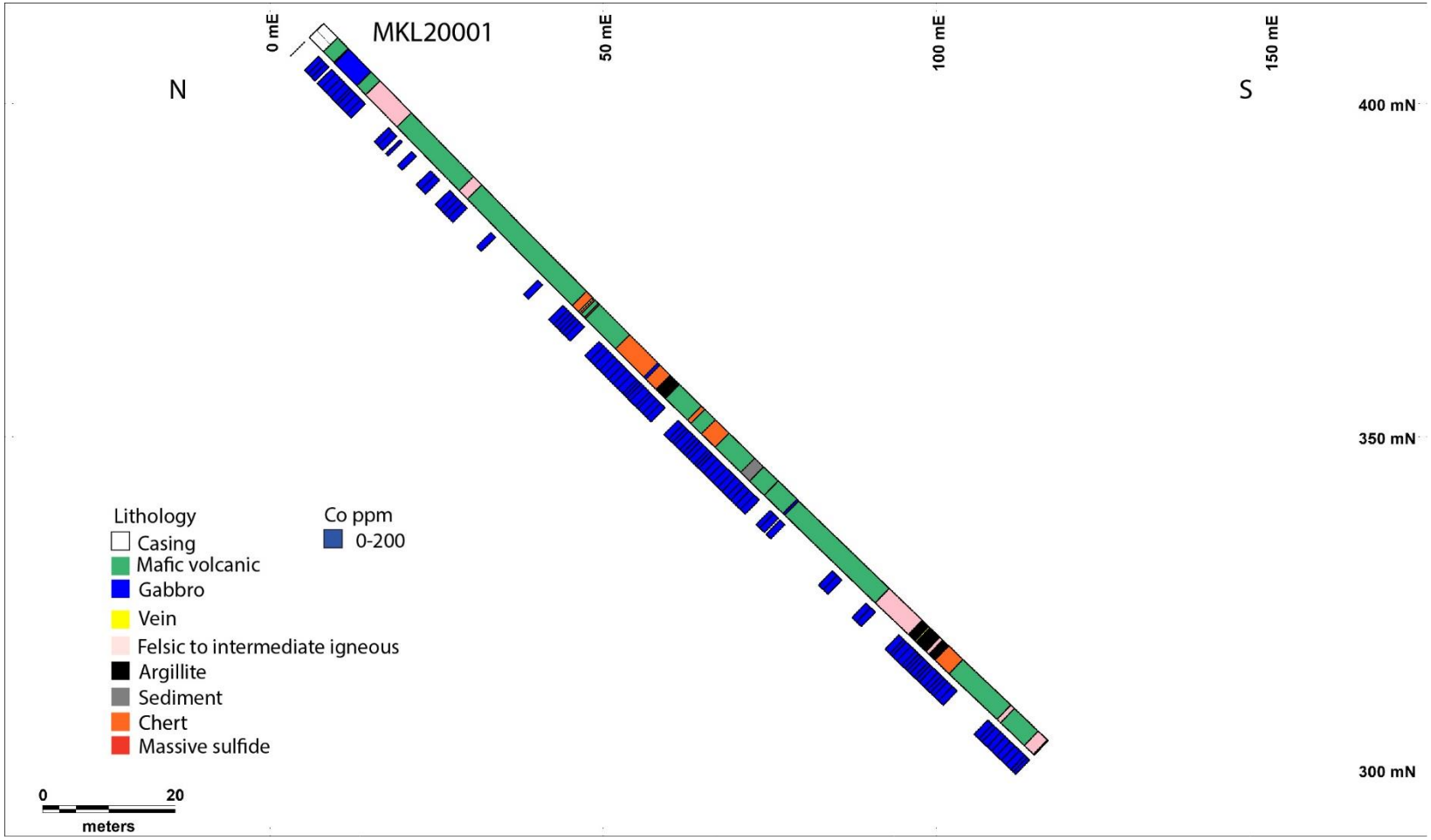
Appendix 5: Drill Plan Maps

Kite Lake Prospect

SK2 Prospect

Legend for drill plan maps

Appendix 6: Cross Sections with Assay Data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Lithology
Casing
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Vein
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Argillite
Sediment
Chert
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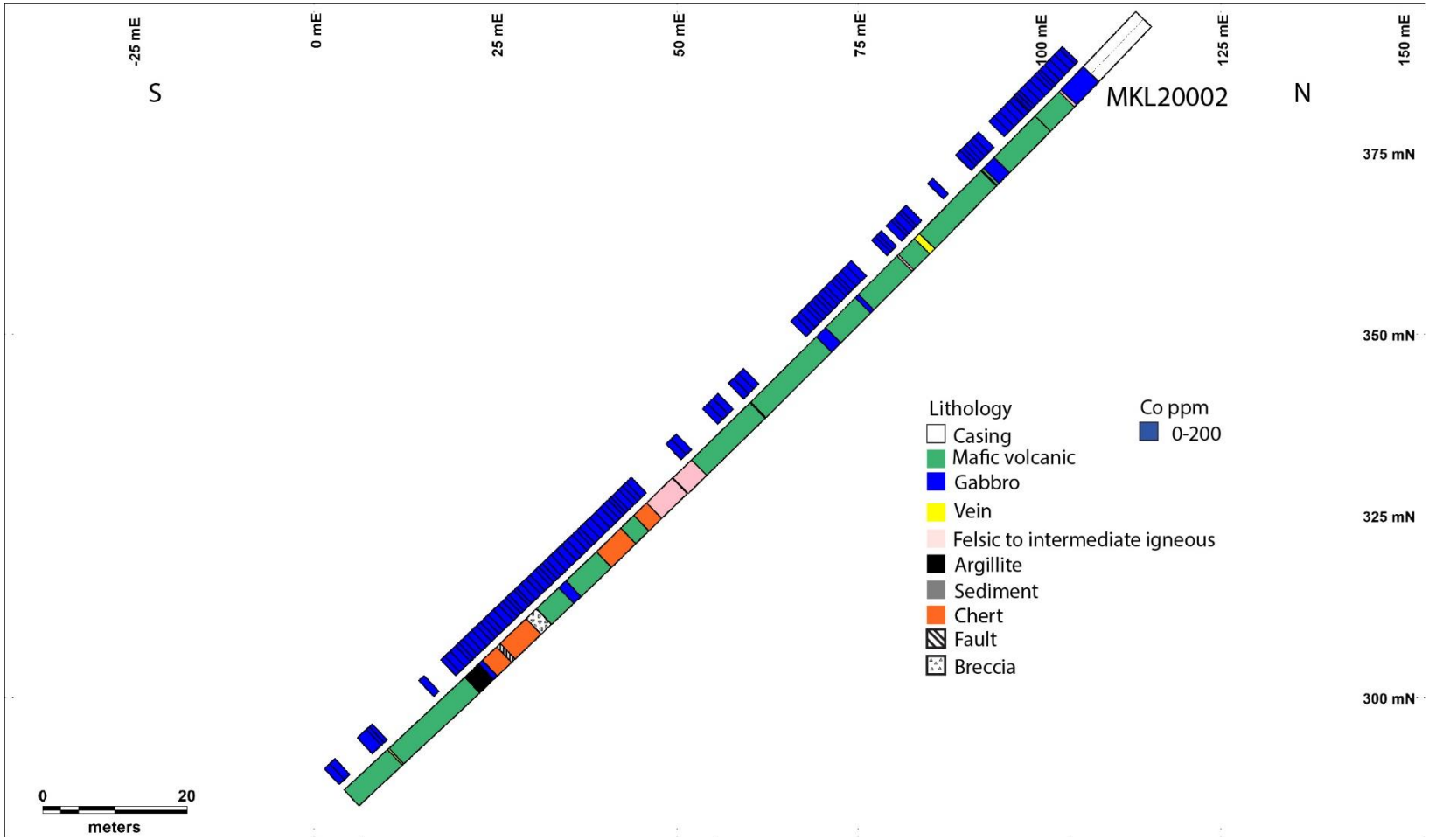
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300 mN
Lithology
Casing
Mafic volcanic
Gabbro
Vein
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Argillite
Sediment
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Breccia
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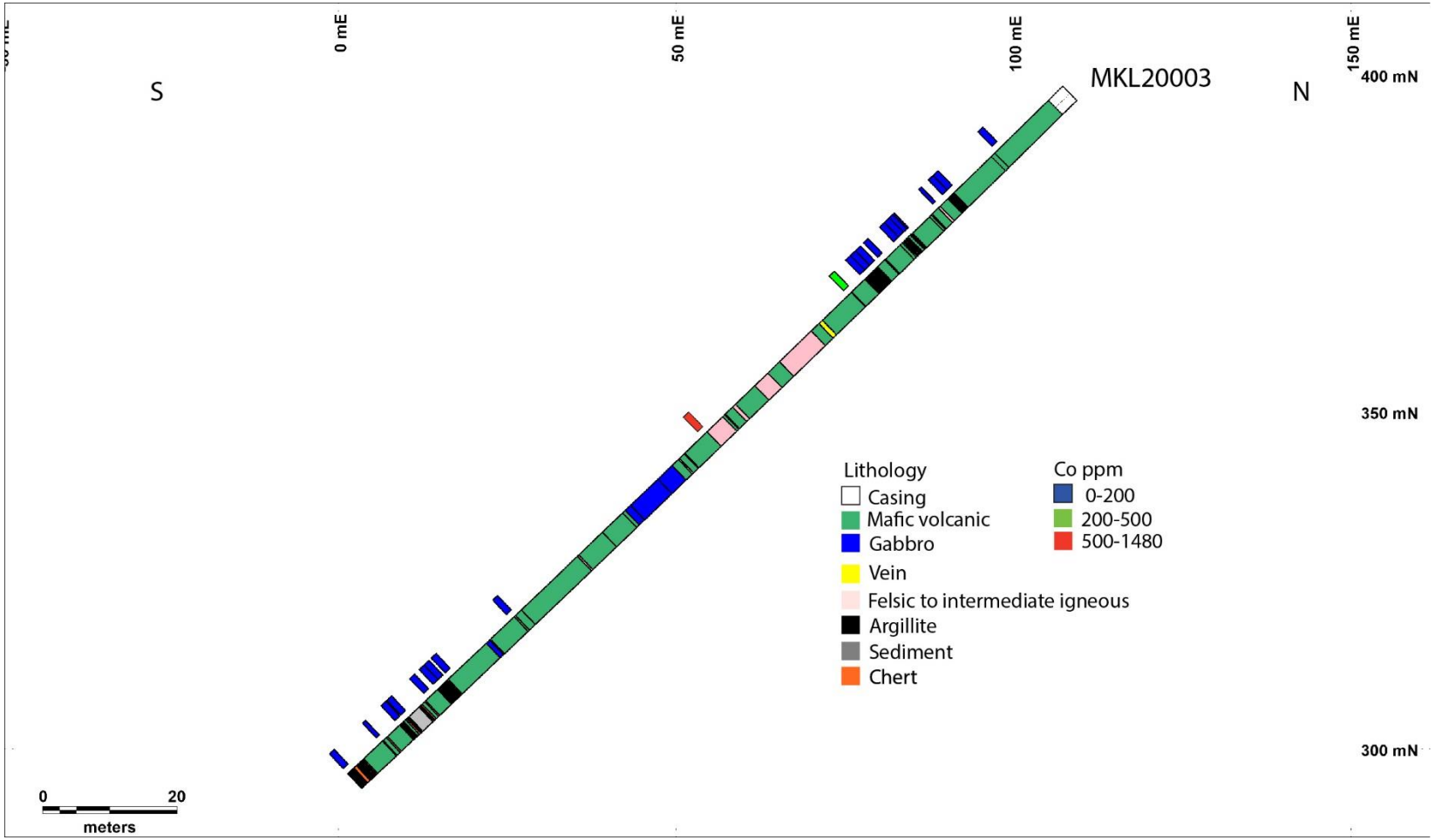
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Lithology
Casing
Mafic volcanic
Gabbro
Vein
Felsic to intermediate igneous
Argillite
Sediment
Chert
Co ppm
0-200
200-500
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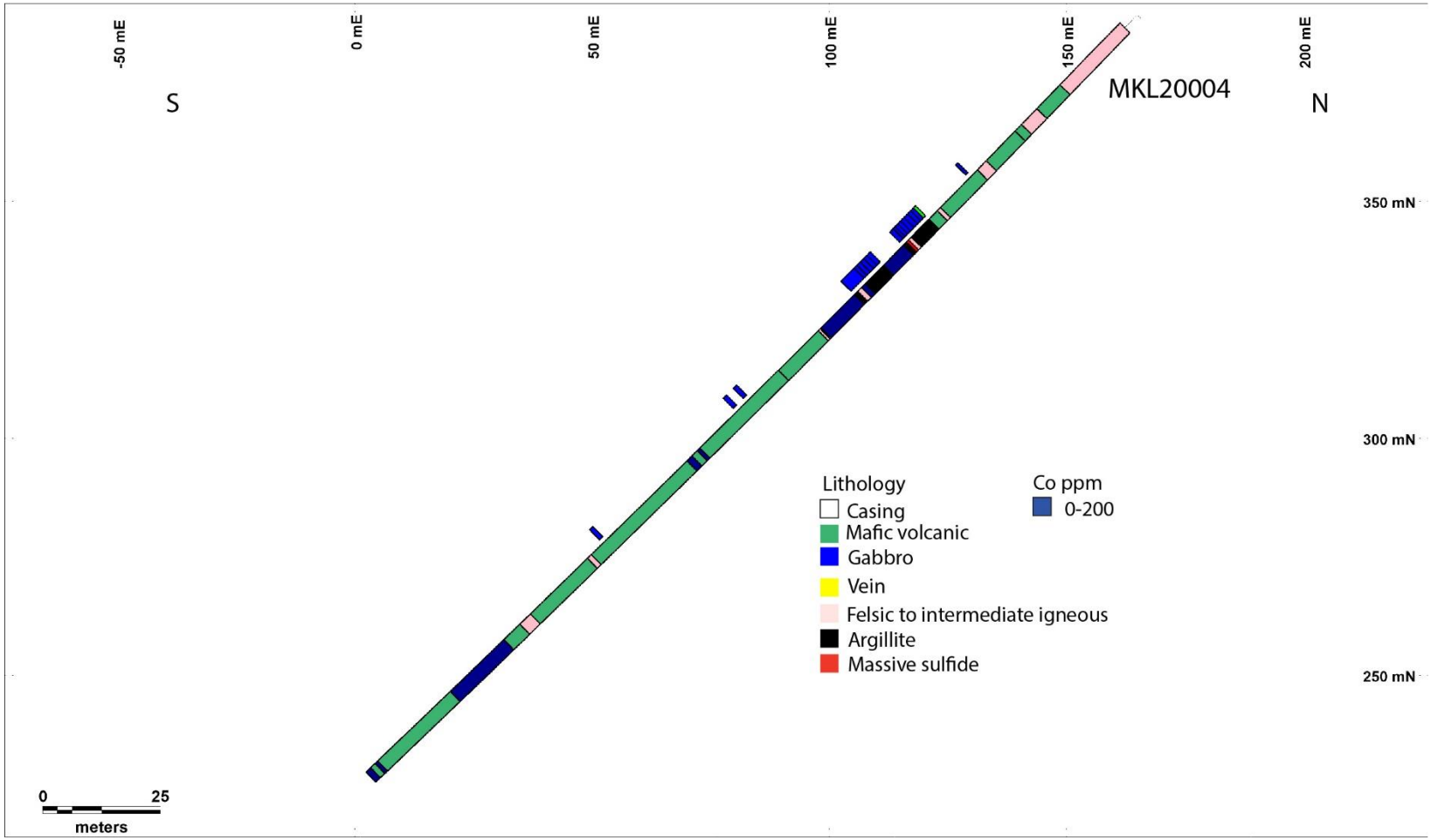
20
meters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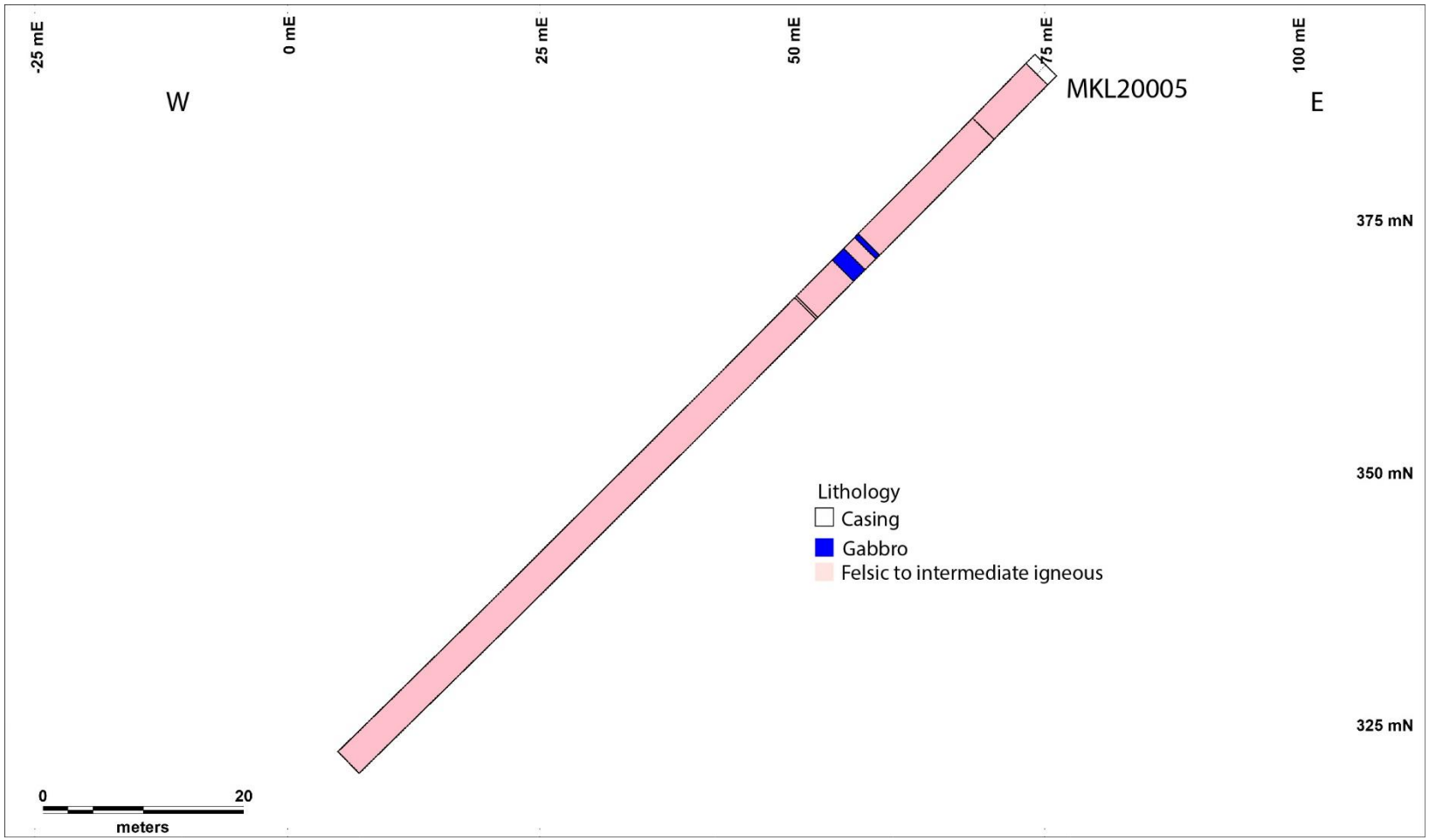
0 mE
50 mE
100 mE
150 mE
200 mE
S
N
MKL20004
350 mN
300 mN
250 mN
Lithology
Casing
Mafic volcanic
Gabbro
Vein
Felsic to intermediate igneous
Argillite
Massive sulfide
Co ppm
0-200
0
25
meters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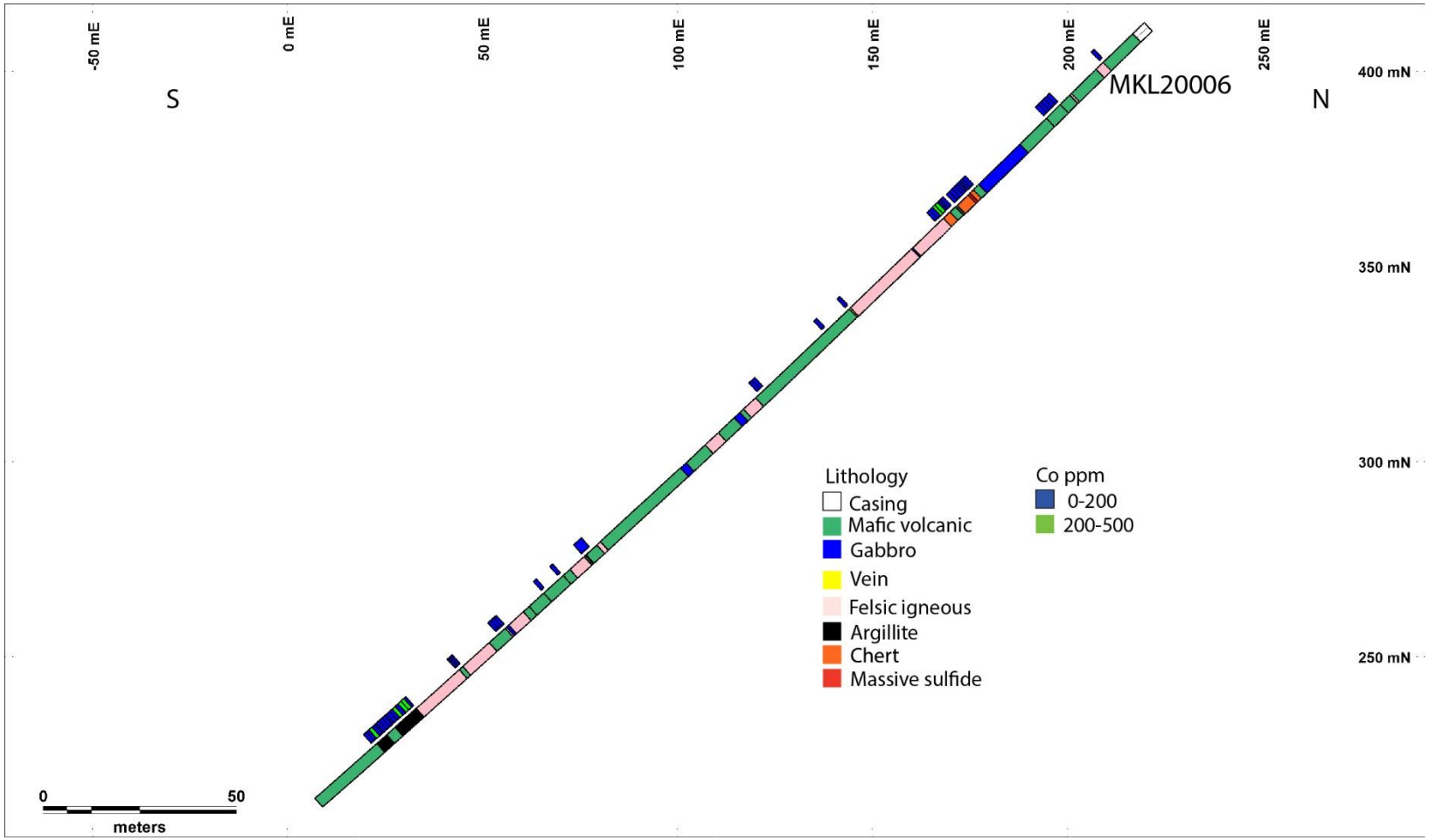
25 mE
50 mE
75 mE
100 mE
W
E
MKL20005
375 mN
350 mN
325 mN
Lithology
Casing
Gabbro
Felsic to intermediate igneous
0
20
meters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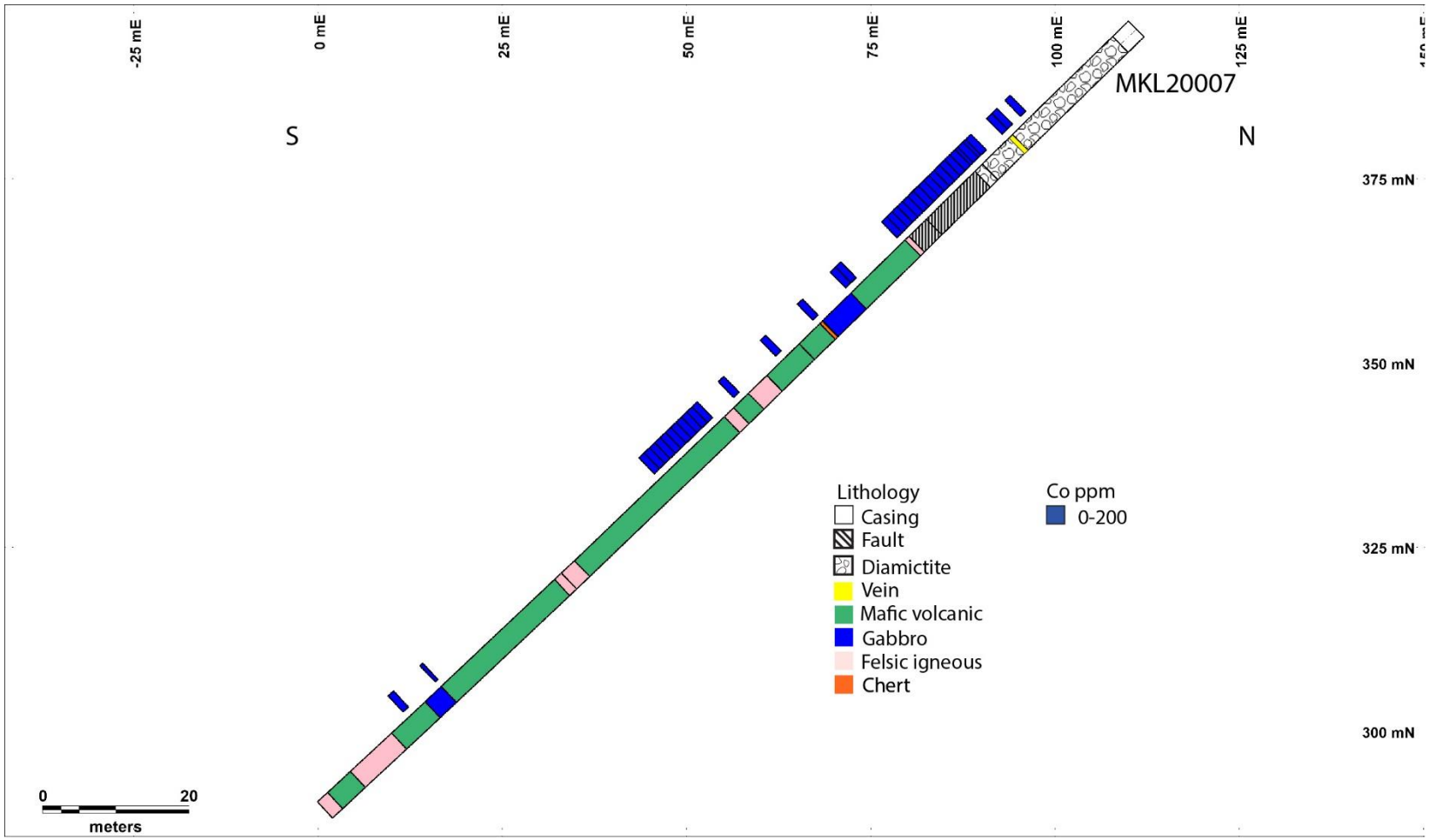
200 mE
250 mE
S
N
MKL20006
400 mN
350 mN
300 mN
250 mN
Lithology
Casing
Mafic volcanic
Gabbro
Vein
Felsic igneous
Argillite
Chert
Massive sulfide
Co ppm
0-200
200-500
0
50
meters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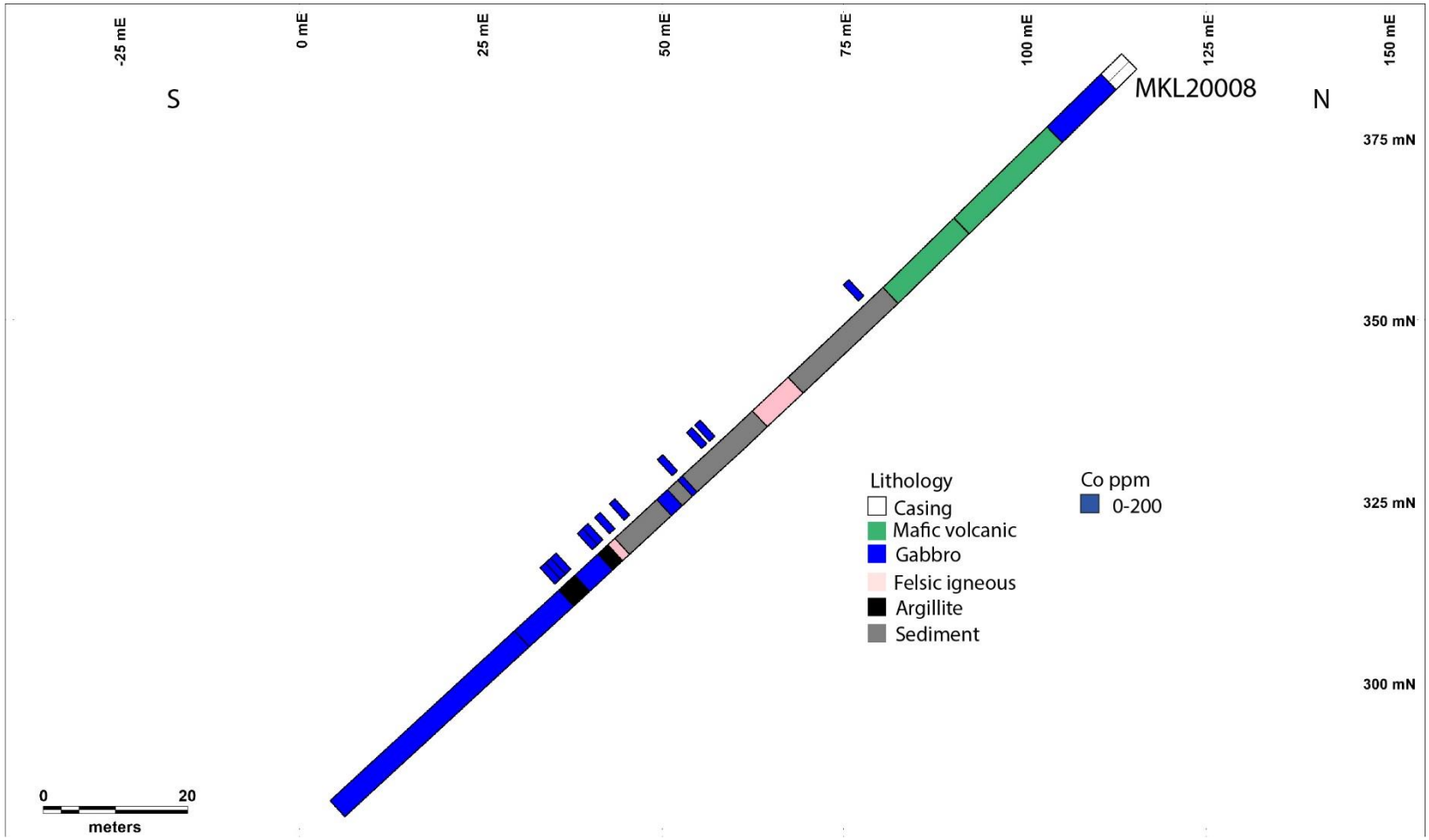
25 mE
50 mE
75 mE
100 mE
125 mE
MKL20007
S
N
375 mN
350 mN
325 mN
300 mN
Lithology
Casing
Fault
Diamictite
Vein
Mafic volcanic
Gabbro
Felsic igneous
Chert
Co ppm
0-200
0
20
meters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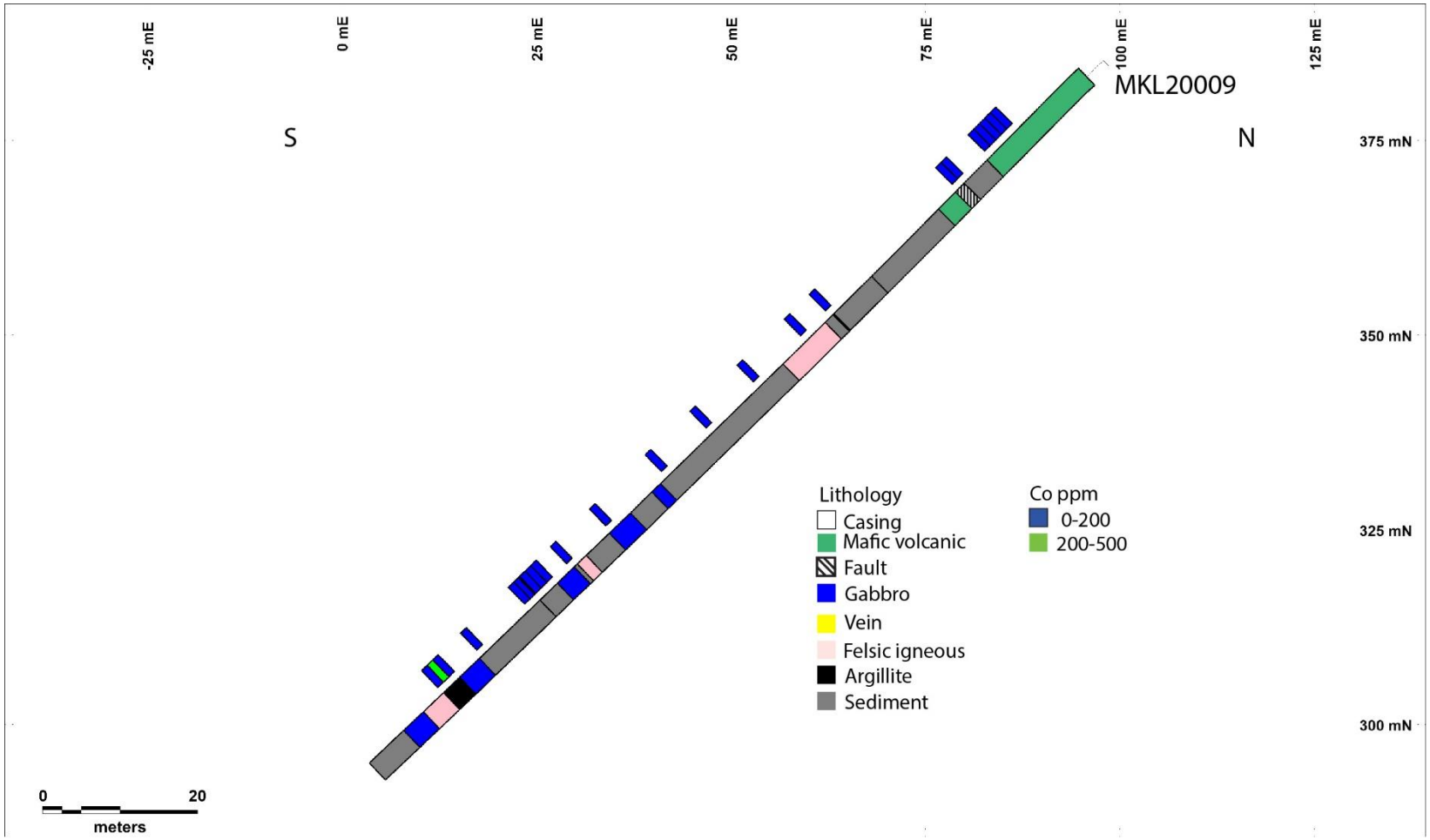
75 mE
100 mE
125 mE
150 mE
S
N
MKL20008
375 mN
350 mN
325 mN
300 mN
Lithology
Casing
Mafic volcanic
Gabbro
Felsic igneous
Argillite
Sediment
Co ppm
0-200
0
20
meters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75 mE
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125 mE
MKL20009
S
N
375 mN
350 mN
325 mN
300 mN
Lithology
Casing
Mafic volcanic
Fault
Gabbro
Vein
Felsic igneous
Argillite
Sediment
Co ppm
0-200
200-500
0
20
meters