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**Drilling Report on the former Mapes Mine Area Property,  
Elk Lake Project of Battery Mineral Resources Corp.,  
Mickle Township, Northeastern Ontario.**

November 29, 2021

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## 1. OVERVIEW

### 1.1 PROJECT NAME

This project is known as the **former Mapes Mine area property** of Battery Mineral Resources Corp's (BMR) **Elk Lake Project**.

### 1.2 SUMMARY

The 2021 BMR drilling at the former Mapes Mine area property, conducted between May 12- June 5, 2021, was designed to test for the continuity of the known mineralization along strike and along plunge between the workings. A total of 12 holes aggregating 1406.36m were drilled. All of the Mapes drilling was conducted on claims 310406, 282170, 246202, and 246201 straddling the boundaries of legacy claims L 4203084, L4208626 and L 4274049. The drilling was completed by Forage G4 (G4) of Val-d'Or, Quebec, and support services were provided by Canadian Exploration Services (CXS) of Larder Lake, Ontario. All of the planning, field preparation, logging and technical work was conducted by BMR/ CXS geologists and technicians; Core samples taken at the CXS facility were transported to ALS Geochemistry Ltd in Sudbury, Ontario for analysis (Table 1).

Mining in the Elk Lake area started in 1906 following the discovery of native silver which gave rise to Elk Lake as a mining camp. Mining peaked between 1907 and 1913 at which time there were about thirty active properties in the area. The Mapes-Johnston Mining Company was incorporated in 1909 and most of the underground development was done by the company between 1912- 1914 with additional work by subsequent operators in 1917, 1936 and 1962. BMR geologists noted abundant vein material on the various muck piles from the main shaft, the open cut adjacent to the shaft and the raise area open cut during prospecting traverses in 2020. Sampling yielded significant Co, Ag, Cu and Ni assays (R0182: 5.06% Co, 97.0 g/t Ag, 2.52% Cu, and 0.43% Ni; R0183: 2.44% Co, 631.0 g/t Ag, 1.43% Cu and 0.11% Ni) which aided in justifying the drill program.

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

### 1.3 ACTIVITIES UNDERTAKEN

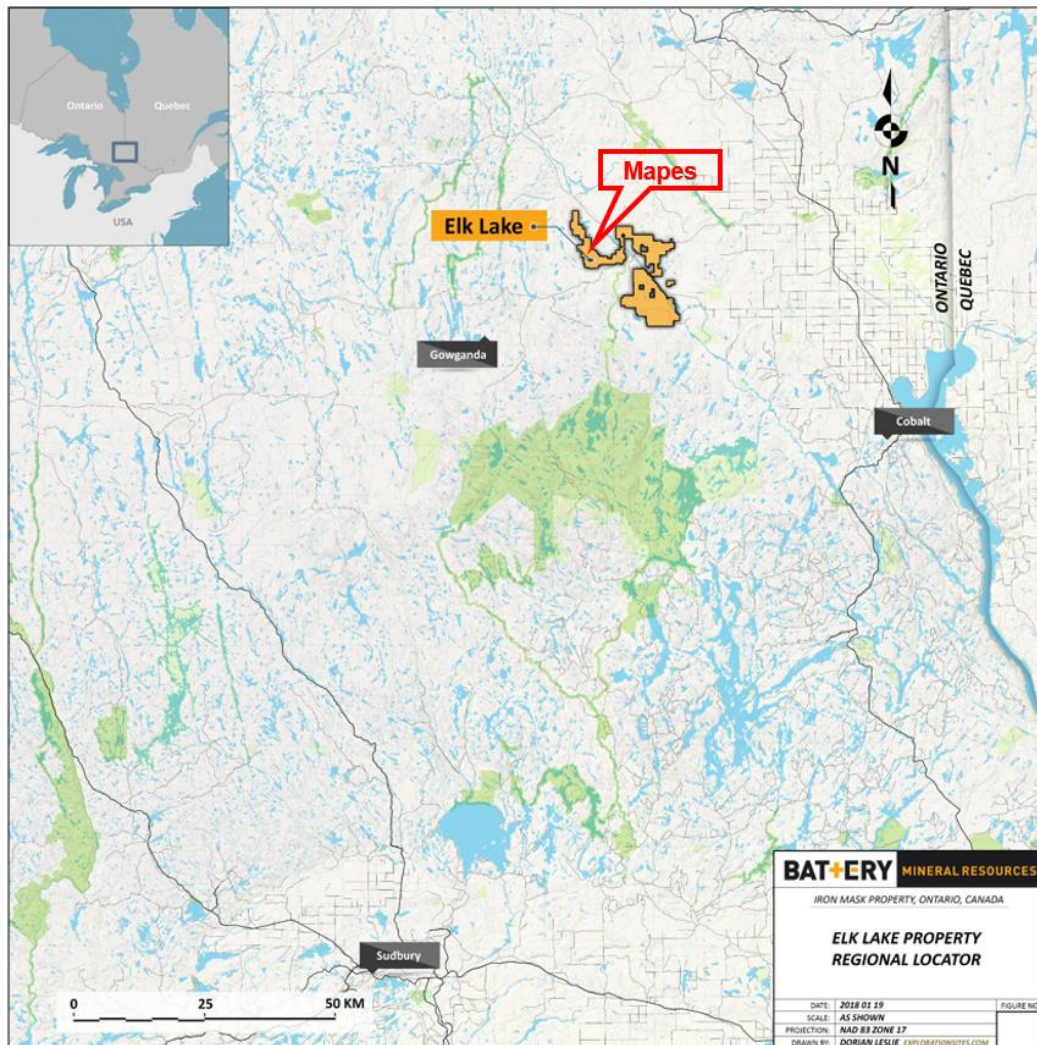
Drilling Dates	Number of Holes	Total Metres	No Assayed Samples
May 12- June 5, 2021	12	1406.36	317

***Table 1. Elk Lake 2021 Mapes Drilling Summary.***

## 2. PROPERTY, EXPLORATION HISTORY, GEOLOGY

### 2.1 LOCATION

The BMR Elk Lake Property is composed of a combined total of 1224 purchased, optioned, joint ventured and staked claims covering 20,771 hectares in a contiguous block. The property (Figure 1) comprises parts of Barber, Farr, James, Mickle, Smyth, Truax, Tudhope and Willet Townships in Northeastern Ontario, approximately 135 kilometres north-northeast of Sudbury, 35 kilometres west of Englehart, and centred on the town of Elk Lake at approximate coordinates 550170 mE/ 5286600 mN (UTM NAD83, Zone 17).

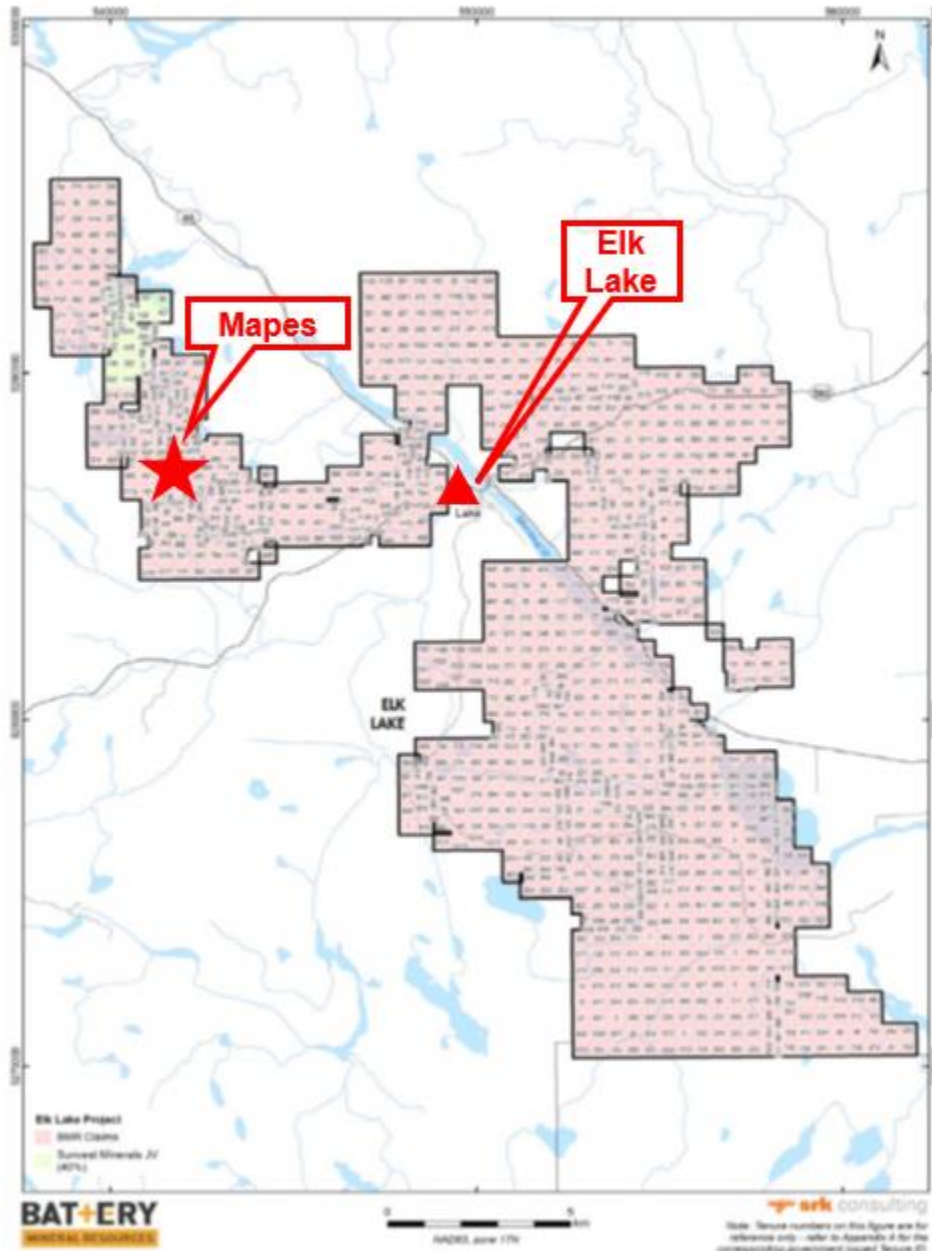


***Figure 1. General Location of Elk Lake Mapes Property Area***

### 2.2 ACCESS

Access to the Mapes site is gained from the town of Elk Lake, located approximately

55 km northwest of the municipality of Timiskaming Shores via Highway 65, or 36 km west- southwest of the town of Englehart along Highway 650. From Elk lake, head west along Highway 560 for approximately 6.6 km and then north along various logging roads for 6.0 km to the Mapes shaft area.



***Figure 2. Elk Lake Project Land Tenure Map (BMR, 2021) with Mapes location***

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### 2.3 MINING CLAIMS

The Elk Lake Project totals 1,224 claims covering 20,771 hectares in a contiguous block. A plan showing the Elk Lake Project mineral claims is provided in Figure 2 which shows illustrative shortened tenure reference numbers, with the full tenure number provided in the detailed claim listing for the Elk Lake Project in Appendix 1.

All of the Mapes drilling was conducted on claims 310406, 282170, 246202, and 246201 straddling the boundaries of legacy claims L 4203084, L4208626 and L 4274049.

### 2.4 PROPERTY & EXPLORATION HISTORY

Mining in the Elk Lake area started in 1906 following the discovery of native silver which gave rise to Elk Lake as a mining camp. Mining peaked between 1907 and 1913 at which time there were about thirty active properties in the area.

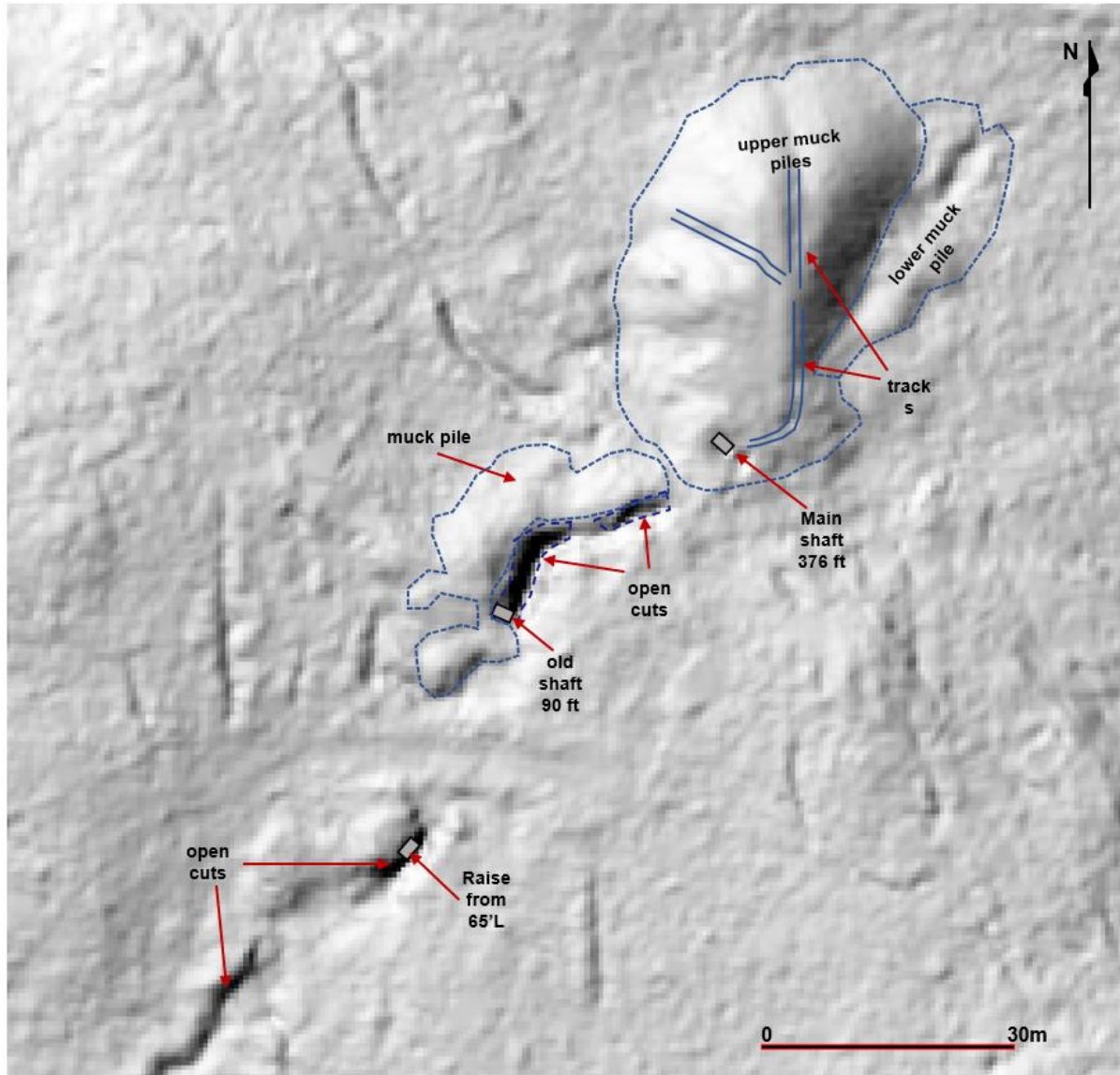
The early history of the region is summarized in a geological report prepared for the Ontario Geological Survey by MacKean (1968), the Mapes site being described as the Alsof Mines Limited property (p41-42).

In addition to MacKean's report, the history of the Mapes property is derived from several sources such as the Kirkland Lake Resident Geologist's assessment files, MDI reports, and MRC 10 (Sergiades, 1968) property summary (p349).

The Mapes-Johnston Mining Company was incorporated in 1909 after purchasing the property from a prospector, D. J. Sellers. Most of the underground development was done by the company between 1912- 1914 with additional work by The Brant Mines in 1917. It was acquired by D. G. Oliver and J. Cameron in 1936 who leased it to several different minor operators that contributed a modest amount of underground development. In 1962, it was sold to Alsof Mines Ltd who conducted an underground diamond drill program and extended the development on the 65' level.

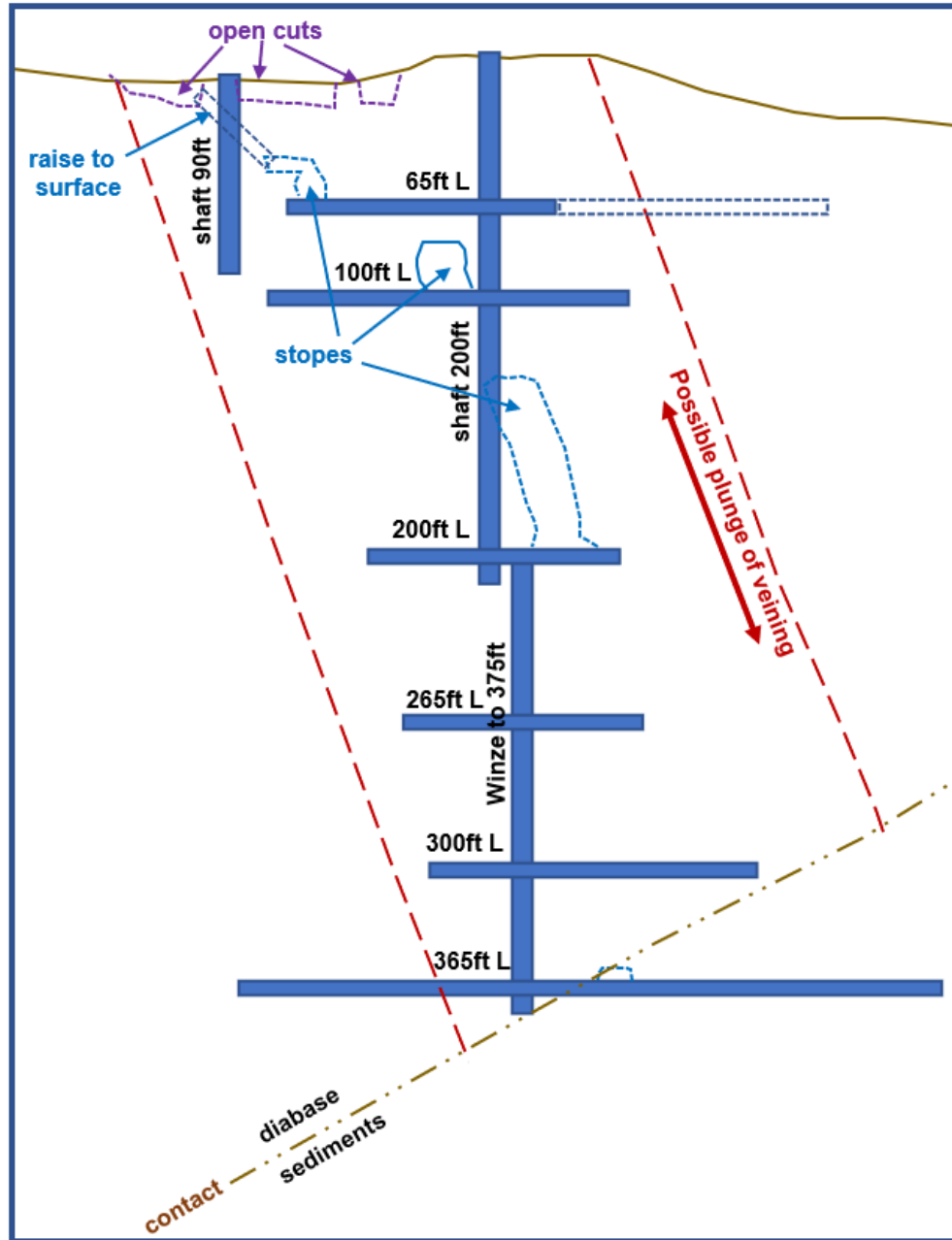
MacKean reports that the shaft was sunk to a depth of 200 feet with levels at 65', 100' and 200'. This was followed by a winze from the 200' level to 375 feet with levels established at 265', 310', and 365'. In total, there was approximately 1000 feet of lateral work and 200 feet of raising completed. One raise was driven from the 65' level to surface and a 90 foot deep exploration shaft sunk west of the main shaft at the end of an open cut. All of these surface features were located by BMR geologists while prospecting the Mapes area (Figure 3). A longitudinal sketch of the Mapes mine workings (Figure 4) was generated from the underground plans and descriptions in the Resident Geologist's assessment files.





***Figure 3. Mapes surface features located by BMR geologists while prospecting (LiDAR base).***

Production figures from the Mapes property are poorly documented, the figure given in MRC10 as 1000 ounces silver (Ag) and 870 pounds cobalt (Co), whereas MacKean reports a 2.5 ton shipment that yielded 1500 ounces Ag, and another report wherein the 2.5 tons was divided into 2 batches, the first batch of 1 ton assaying 42.5 ounces silver per ton, 11 percent cobalt, 8 percent nickel, and 35 percent arsenic, while the second batch (1.5 tons) returned 407 ounces silver per ton, 9 percent cobalt, 9 percent nickel, and 27 percent arsenic. In assessment file CO1575, it is reported that 1130 pounds of cobbed ore from the raise to surface was shipped for processing by lease holder Briggs of Symass Mining Syndicate in 1941. Smelter certificates indicate that the bulk sample assayed 13.28/ 12.20% Co, 10.48/ 17.40% Ni, and 10.0/ 180.0 oz per ton Ag.



**Figure 4. Mapes longitudinal section (drawn from historic descriptions)**

Additional sources of detailed information on the Mapes property were obtained from assessment files CO1549, CO1567 and CO1575.

1914- Mapes- Johnston/ Alsof; Mickle Twp; detailed MDI/ ODM references, early (1914) correspondence, letter with Ag & Co assays, 1950 photos of site; CO-1567;

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1941/ 1951- Mapes- Johnson; Mickle Twp; property visit reports (H. M. Butterfield, 1942), correspondence/ letters, R. Thompson notes of underground & surface geology, 1941 bulk sample report, underground level sketches/ plans, long sections; CO-1575;

1963- Alsof/ Mapes Johnson; Mickle Twp; underground rehab progress reports, miscellaneous correspondence shaft/ vein/ fault details, underground diamond drill logs (4 holes ), MDI report; CO-1549;

## 2.5 REGIONAL & LOCAL GEOLOGY

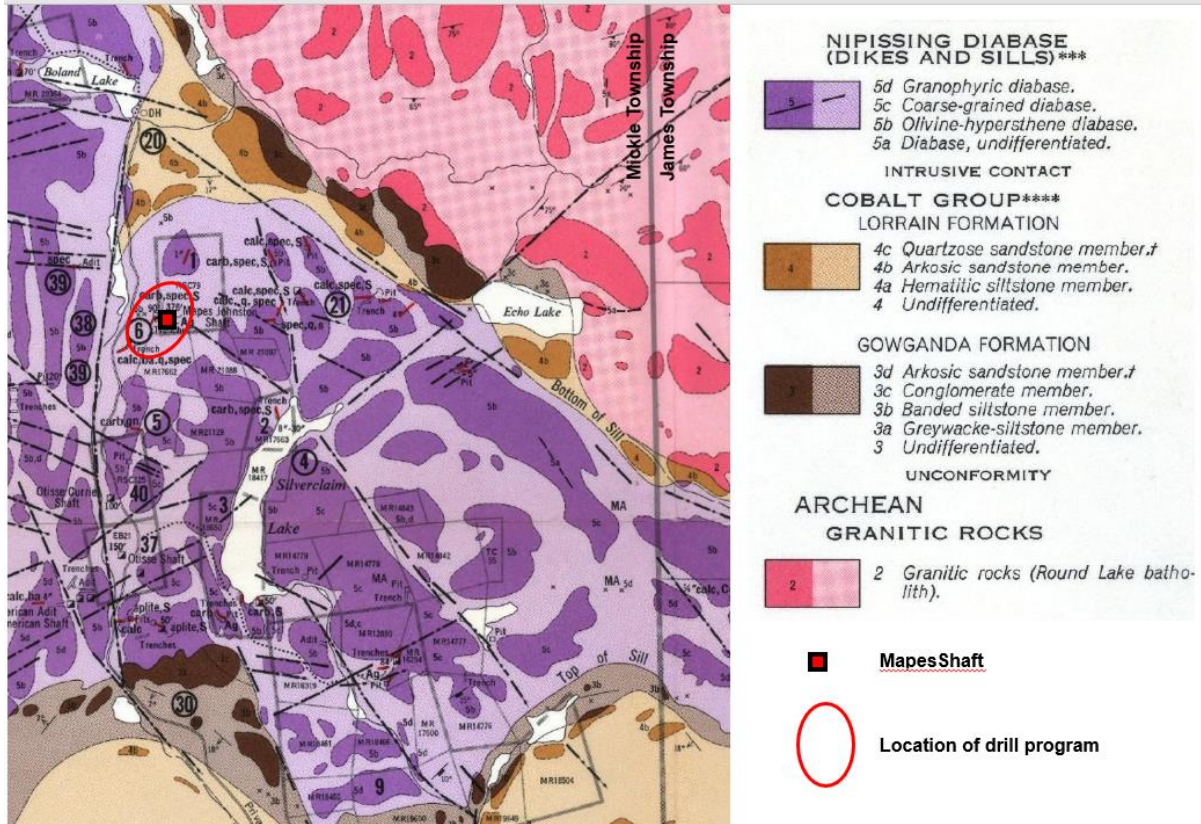
### Regional Geology

Basement rocks of the Superior Craton are composed of a series of granite terranes variably covered by greenstone belts and sedimentary basins that represent the accretion of microcontinents during the Archean and can be further subdivided into sub-provinces. Much of the Archean Craton is unconformably overlain by Paleoproterozoic to Paleozoic siliciclastic rocks, forming irregular paleo-basins.

All of the bedrock in the townships mapped by MacKean (1968) "is composed of the Round Lake batholith containing inclusions of metavolcanic rocks, Cobalt Group sedimentary rocks representing approximately 70 percent of the surface rock unconformably overlying the granitic and metavolcanic rocks, and Nipissing diabase which intrudes the above rocks in the form of dikes and sills and is itself intruded by olivine diabase dikes." (Figure 5)

### Property Scale Geology

A stripped outcrop in the centre of the drilled area consists entirely of medium to coarse grained Nipissing diabase near the top of the sill with local patches of coarse grained to granophyric phases and local aplitic dikelets up to 10 cm. All of the holes traversed Nipissing diabase with holes, ELM21004/ 07, ending in Huronian sediments consisting of alternating very fine grained dark grey and aphanitic deep red beds/ laminae of siltstone and hole ELM21010 though 40m of siltstone and 35m of conglomerate.



**Figure 5. General geology of the Mapes area (after MacKean, 1968).**

## 2.6 MINERAL DEPOSIT TYPES

Excerpts from MacKean's report (1978) summarize the mineralization in the Elk Lake area and at Mapes as follows:

*"In the Elk Lake area most of the mineral occurrences are in the Nipissing diabase suggesting some genetic relationship between them. ... The diabase at the surface is a medium-grained, olivine-hypersthene rock with little or no granophyre as interstitial material. The hypersthene content is estimated to be up to 25 percent by volume. Aplite dike rock is seen on the mine dump. ... The diabase/ sedimentary contact is 10 feet north of the shaft on the 376-foot level where the contact dips 85S."*

*"On the 65-foot level there is exposed at the portal [station] to the shaft a calcite vein with well crystallized native silver and "smaltite" mineralization. The carbonate vein is 1 to 6 inches wide, strikes N40E and dips 75NW. ... The 65-foot level drift follows the carbonate to the southwest for 40 feet where the carbonate vein is cut by a series of calcite, chalcopyrite, specularite-bearing veins striking N45W. The drift follows the veins to the northwest a short distance to a raise which reaches the surface. Native silver is reported in this raise."*

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### 3. DRILLING

#### 3.1 PERMITS

Permits for exploration drilling at the former Mapes Mine area property, Elk Lake Project are PR-18-000130 and PR-18-000132.

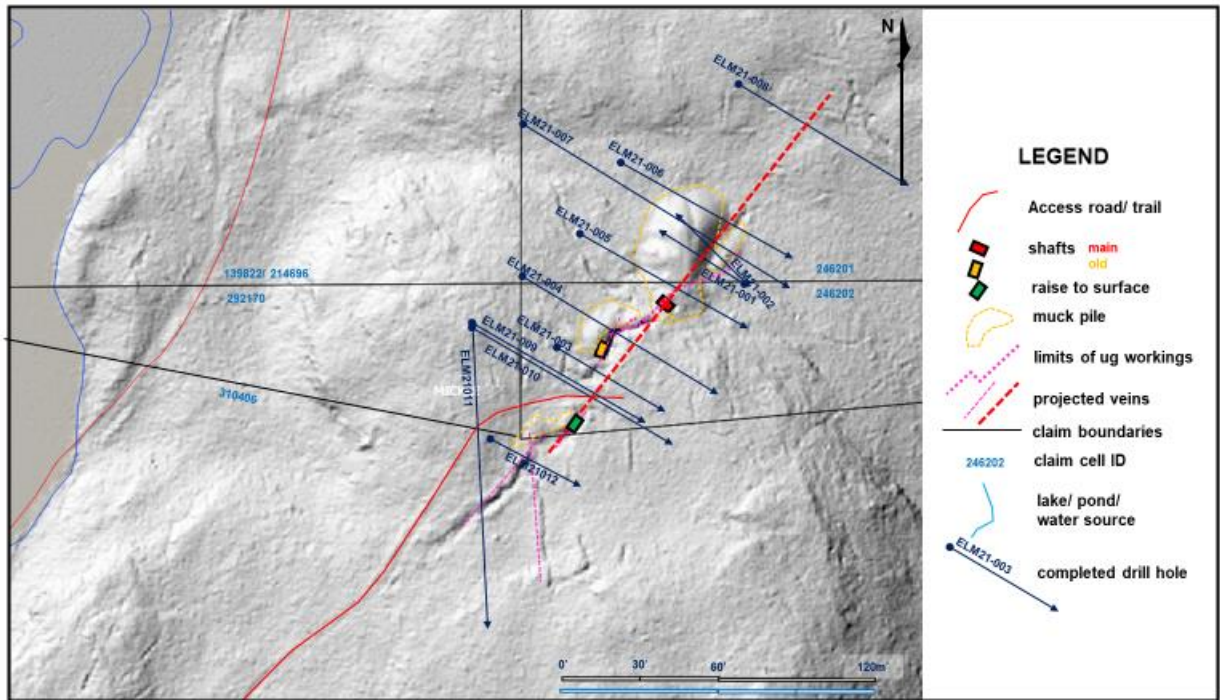
#### 3.2 DRILLING

The 2021 BMR drilling at the former Mapes Mine area, conducted between May 12-June 5, 2021, was designed to test for the continuity of the known mineralization along strike and to depth between the workings. A total of 12 holes aggregating 1406.36m were drilled. The locations and collar data for the 12 Mapes holes is provided in Figure 6 and Table 2; Drill hole metadata for the current program is appended (Appendix 2) as are the drill logs (Appendix 3). All of the Mapes drilling was conducted on claims 310406, 282170, 246202, and 246201 straddling the boundaries of legacy claims L 4203084, L4208626 and L 4274049.

The drilling was completed by Forage G4 (G4) of Val-d'Or, Quebec, and support services (road access/ pad building) were provided by Canadian Exploration Services (CXS) of Larder Lake, Ontario. All of the planning, field preparation, logging and technical work was conducted by BMR/ CXS geologists and technicians; overall work was supervised by F Ploeger and P Doyle of BMR. Core samples taken at the CXS facility were then transported to ALS Geochemistry Ltd in Sudbury, Ontario for analysis.

From review of the underground data, it appears that the vein developed on the 65'L and followed to surface with a raise, provided the material for a bulk sample. Historically, an open cut had been blasted on a high grade, silver-bearing, calcite vein between an old 90 foot deep shaft the Main shaft. Underground development on several levels revealed a central high grade silver core to the vein zone which may define a northeast trending plunge.

The drill program was designed to test the lateral extent of the vein system and confirm the inferred plunge of the mineralized zone. Cobalt assays from the sampling of the dump material, and historical records, suggest that there is considerable cobalt mineralization associated with the main vein. There was abundant vein material on the various muck piles from the main shaft, the open cut and the raise area open cut sampled by BMR that yielded significant Co and Ag assays which aided in justifying the drill program. Sample R0182 returned 5.06% Co, 97.0 g/t Ag, 2.52% Cu, and 0.43% Ni, while R0183 assayed 2.44% Co, 631.0 g/t Ag, 1.43% Cu and 0.11% Ni.



**Figure 6. Elk Lake, former Mapes Mine area drill hole location plan**

Hole Number	UTM easting	UTM northing	altitude	dip	azimuth	length	no* samples
ELM-21-001	542044.7	5287275.4	373.1	-44.0	298.0	54.00	14
ELM-21-002	542044.7	5287275.4	373.1	-54.5	301.0	45.00	4
ELM-21-003	541971.8	5287246.8	374.5	-45.0	120.0	72.00	24
ELM-21-004	541958.4	5287280.7	371.2	-43.0	120.0	183.31	45
ELM-21-005	541973.0	5287294.1	369.0	-44.0	121.5	72.05	42
ELM-21-006	541999.5	5287323.0	365.6	-43.0	125.0	110.00	16
ELM-21-007	541963.8	5287337.3	361.9	-43.0	122.0	159.00	48
ELM-21-008	542034.2	5287352.0	368.5	-43.0	124.0	120.00	13
ELM-21-009	541942.9	5287257.1	374.0	-43.5	123.5	180.00	36
ELM-21-010	541942.4	5287257.4	373.9	-65.0	124.0	201.00	35
ELM-21-011	541942.4	5287256.6	374.0	-44.0	178.0	150.00	24
ELM-21-012	541949.5	5287219.7	373.8	-44.5	118.0	60.00	16
<b>TOTALS</b>	<b>12 holes</b>					<b>1406.36</b>	<b>317</b>

\* all samples taken were assayed- includes standards, blanks and duplicates

**Table 2. Collar Data for BMR Drilling at Elk Lake, former Mapes mine property**

### 3.3 RESULTS & INTERPRETATION

The best Ag, Co, Cu and Au values for each hole are presented in Table 3 below. Sample intervals cited in this report are core lengths, not true widths. Detailed assay data/ certificates of analysis are provided in Appendix 4 and Appendix 5, cross sections for the holes, in Appendix 6.

Hole ID	Sample ID	From (m)	To (m)	width (m)	Ag (g/t)	Co (%)	Cu (%)	Au (ppm)
ELM21003	R3233	19.25	19.75	0.50	4.66	0.08	0.43	NS
ELM21004	R3266	48.75	49.25	0.50	0.6	0.10	0.04	0.010
ELM21004	R3269	57.00	58.00	1.00	0.63	0.02	0.28	0.101
ELM21004	R3270	58.00	59.00	1.00	0.73	0.05	0.02	0.017
ELM21004	R3277	127.00	127.75	0.75	0.14	0.05	0.01	0.515
ELM21004	R3283	153.75	154.25	0.50	0.3	0.07	0.02	0.362
ELM21005	R3324	58.50	59.00	0.50	0.45	0.11	0.01	NS
ELM21005	R3325	59.00	60.00	1.00	7.52	0.63	2.24	NS
ELM21007	R3352	6.40	6.90	0.50	1.29	0.25	0.14	0.684
ELM21007	R3386	118.75	119.50	0.75	10.35	0.02	0.09	0.033
ELM21008	R3409	104.25	105	0.75	4.11	0.37	0.10	NS
ELM21009	R3419	64.25	64.75	0.5	14.55	0.62	0.13	NS
ELM21009	R3430	74	74.5	0.5	0.29	0.03	0.01	NS
ELM21009	R3433	77.5	78	0.5	0.62	0.05	0.02	NS
ELM21010	R3449	16.75	17.75	1.00	0.51	0.10	0.09	NS
ELM21010	R3476	124.50	125.00	0.50	0.46	0.06	0.00	NS
ELM21011	R3495	113.25	113.75	0.50	0.11	0.03	0.02	0.398
ELM21012	R3509	21.90	22.50	0.60	2.40	0.08	0.03	NS
ELM21012	R3514	50.25	50.75	0.50	0.87	0.10	0.17	NS

***Table 3. Elk Lake Mapes Significant Drill Results***

**ELM21001/ 002-** ELM21001 was collared south of the mine workings and designed to intersect the vein below the 65-foot level, however, it hit a void at 22.62- 24.87m. A second hole (ELM21002) was collared at an offset angle and steeper dip to try to hit the vein at a lower elevation, but it also intersected workings (34.2- 35.5m). Although both holes cut carbonate veins, no significant assays were returned.

**ELM21003/ 004/ 005/ 006-** All 4 holes targeted the plunge of the projected mineralized zone at various levels. Holes ELM21003/ 004 intersected several veins which yielded Co values to 0.10% and Cu to 0.43% and, surprisingly, Au assays up to 0.515 g/t. Hole ELM21005 returned the best Co and Cu values of the program at

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0.63% and 2.24%, respectively, as well as a silver value of 7.52 g/t. The veins in hole ELM21006 did not yield any significant results.

Hole ELM21004 was pushed into the underlying siltstone for 6.7m.

Hole ELM21005 unexpectedly encountered a 5.53m void between 66.47- 72.00m, the drill crew coring wooden timbers.

**ELM21007-** ELM21007 was the deepest of the drill holes, cut a number of carbonate veins, several of which (at 6.40m and 118.75m) were weakly mineralized with pyrite, chalcopyrite, and specularite and yielded assays of 0.25%/ 0.02% Co, 0.14%/ 0.09% Cu and 1.29/ 10.35 g/t Ag, respectively; the upper interval also returned 0.68 g/t Au. The hole traversed 125.89m of Nipissing Diabase before entering laminated to thinly bedded Huronian siltstone.

**ELM21008-** Hole ELM21008 was drilled to intersect the projected strike of the Mapes veining to the northeast in the vicinity of several trenches and pits. At 104.58m, the hole cut a 7cm wide calcite vein mineralized with pyrite and cobaltite returning 0.37% Co and 4.11 g/t Ag, suggesting that perhaps the Mapes mineralization extends beyond the mine footprint.

**ELM21009/ 10-** These holes targeted the possible strike extensions of the veins immediately under the raise that comes to surface in the westernmost open cut and at depth. As with the previous holes, numerous carbonate veins were intersected returning 0.62% Co, 14.55 g/t Ag, and 0.13% Cu at a depth of 64.25m in hole ELM21009 and 0.10% Co at 16.75m in hole ELM21010.

The steeper hole (ELM21010) entered the Huronian siltstones at 125.46m for 40.24m before exiting into conglomerates to the end.

**ELM21011/ 12-** The final 2 holes were designed to test for possible extensions of the Mapes veining along strike to the southwest. As indicated in the table of significant results, anomalous Co, Cu and Au values were returned from some of the veins.

### 3.4 SUMMARY & RECOMMENDATIONS

#### Summary

Most of the underground development was done by Mapes- Johnston between 1912- 1914 with additional work by The Brant Mines in 1917. It was acquired by D. G. Oliver and J. Cameron in 1936 who leased it to several different minor operators that added some minor underground development. In 1962, it was sold to Alsof Mines Ltd who conducted an underground diamond drill program and minor development on the 65' level, including a raise to surface into the SW open cut. Sampling of



the muck piles around the 2 major open cuts and the 90' and main shafts by BMR yielded Co, Ag, Cu and Ni assays up to 5.06% Co, 631.0 g/t Ag, 2.52% Cu, and 0.43% Ni, which contributed to justifying the current drill program.

The 2021 BMR drilling at the former Mapes Mine area, conducted between May 12-June 5, 2021, by G4 Drilling of Val d'Or, totalled 12 holes aggregating 1406.36m. It was designed to test for the continuity of the known mineralization along strike and to depth between the workings.

Upon completion of the program, the drilling revealed that:

- 1) Three of the holes (ELM21004/007/010) had exited the Nipissing diabase into the Huronian sediments at vertical depths of 120m, 86m, and 113m, respectively. The 365ft level intersected the underlying sediments just west of the winze. The sediments would probably "bottom out" the deposit.
- 2) Three holes, ELM21001/ 002/ 005 unexpectedly broke into the workings, indicating that the development described in the various reports is not accurate;
- 3) All holes cut multiple carbonate stringers veins;
- 4) There are 2 types of veins: a) calcite- quartz +/- Co/ Ag; b) specularite- chalcopyrite +/- Co/ Ag/ Au;
- 5) Significant values were returned from veins along the plunge projection, and along strike to the northeast and southwest indicating that the mineralized zone is open along strike;
- 6) The best Co assays were returned from holes ELM21005/ 009 at 0.63% and 0.62% over 1.00m and 0.50m, which also yielded 7.52g/t and 14.55 Ag, and, 2.24% and 0.13% Cu, respectively.

After a review of the drilling program, the recommendations for Mapes are as follows:

- 1) Hole ELM21008, the most north easterly of the program, intersected 0.37% Co over 0.75m while ELM21012, the most southwesterly hole, cut 0.10%Co over 0.50m along with numerous weakly mineralized veins, suggesting that the mineralized horizon may continue further outside the mine area; additional holes to the northeast and southwest are recommended.
- 2) There are no indications that the vein and mineralization extend into the underlying Huronian sediments, therefore no deep holes are warranted.
- 3) With multiple stacked vein sets in the core of the Mapes deposit, additional fill in holes should be drilled to evaluate the parallel vein sets for mineralized chutes.
- 4) The historic data for the Mapes deposit should be incorporated into a 3-D model, including the current drilling.

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#### 4. REFERENCES CITED

MacKean, B. E., 1968: Geology of the Elk Lake Area, District of Timiskaming, Ontario Department of Mines, GR 62, 62 p. with **Geological Maps:**

Map 2150 (coloured) Chown and Lawson townships, Timiskaming District, Ontario. Scale, 1 inch to 1/2 mile.

Map 2151 (coloured) Mickle and James townships, Timiskaming District, Ontario. Scale, 1 inch to 1/2 mile.

Map 2152 (coloured) Roadhouse and Willet townships, Timiskaming District, Ontario. Scale, 1 inch to 1/2 mile

Sergiades, A. O., 1968: Silver Cobalt Calcite Vein Deposits of Ontario, Ontario Department of Mines, Mineral Resources Circular 10, 498p.

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**5. QUALIFICATIONS****CERTIFICATE OF QUALIFICATION AND CONSENT**

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

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

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

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

---

Frank R. Ploeger

Virginiatown, Ontario, November 29, 2021

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**CERTIFICATE OF QUALIFICATION AND CONSENT**

---

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

- 1) That I am an Exploration Geologist and reside at 79 Naughton Drive, Richmond Hill Ontario, L4C8B2.
- 2) That I graduated from Laurentian University at Sudbury, Ontario with an Honours Bachelor of Science degree in 1980.
- 3) That I am a **Fellow in good standing of the Australian Institute of Mining & Metallurgy (AUSIMM # 208850) as well as a member in good standing of Geological Association of Canada (GAC F0146); Canadian Institute of Mining & Metallurgy (CIMM # 91602); Prospectors & Developers Association of Canada (PDAC # 707); Society for Geology Applied to Mineral Deposits (SGA# 1333-08) and Society of Economic Geologists (SEG # 216720).**
- 4) That I have practiced my profession in various roles as a Mineral Exploration Geologist, Exploration Manager and Vice President of Exploration for a period of about 39 years principally within Canada & Australia as well as globally in United States of America, Mexico, Indonesia, China, Mongolia, Brazil, Argentina and Guyana.
- 5) This document is based on information various public documents and my personal observations during visits to the property during the exploration program.  
*Although the information supplied to me is believed to be accurate and all reasonable care has been taken in the completion of this report, I hereby disclaim any and all liability arising out of its use and circulation. While I stand behind my interpretations, I cannot guarantee the accuracy of the source information and the use of this report or any part thereof shall be at the user's sole risk.*
- 6) I am currently employed full time as Vice President Exploration – Canada for Battery Mineral Resources Corp and was directly involved in the planning and execution of the exploration program documented in this report.
- 7) *My written permission is required for the release of any summary or excerpt.*

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Peter J. Doyle

Richmond Hill, Ontario, November 29, 2021

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## 6. APPENDIX

APPENDIX 1: MINING CLAIM CELLS LIST

APPENDIX 2: DRILL HOLE META DATA

APPENDIX 3: TEXT LOG

APPENDIX 4: ASSAY DATA

APPENDIX 5: CERTIFICATES OF ANALYSES

APPENDIX 6: CROSS SECTIONS



















Hole ID	mEasting	nNorthing	Elevation(m)	Azimuth	Dip	Depth (m)	Drill Core Diameter	Cell Number (Provincial Grid)	Lease Number	Mining Claim Number	Drilling Start Date	Drilling End Date	Drilling Contractor	Storage	Overburden Thickness(m)	Casing	Cap Method	Abandoned	Artesian Conditions	Log Start Date	Log Completion Date	Log Author
	Datum: UTM NAD 83, Zone 17N																					
ELM21001	542044.6906	5287275.413	373.0839	298.67	-43.77	54m	NQ	041P09	N/A	246202	2021-05-12	2021-05-13	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	2.65	Left in Place	Metal Collar Cap	No	No	2021-05-13	2021-05-15	S. Hicks/B. Piche
ELM21002	542044.6906	5287275.413	373.0839	301.26	-54.45	45m	NQ	041P09	N/A	246202	2021-05-15	2021-05-15	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	3.60	Left in Place	Metal Collar Cap	No	No	2021-05-15	2021-05-15	S. Hicks/B. Piche
ELM21003	541971.7996	5287246.798	374.4959	120.16	-44.75	72m	NQ	041P09	N/A	246202	2021-05-14	2021-05-15	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	3.36	Left in Place	Metal Collar Cap	No	No	2021-05-16	2021-05-16	S. Hicks/B. Piche
ELM21004	541958.3695	5287280.728	371.2151	119.72	-43.09	183.31m	NQ	041P09	N/A	246201	2021-05-15	2021-05-17	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	2.10	Left in Place	Metal Collar Cap	No	No	2021-05-16	2021-05-18	S. Hicks/B. Piche
ELM21005	541972.9962	5287294.155	368.9955	121.58	-43.86	72.05m	NQ	041P09	N/A	246201	2021-05-17	2021-05-18	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	3.00	Left in Place	Metal Collar Cap	No	No	2021-05-18	2021-05-20	S. Hicks/B. Piche
ELM21006	541999.5221	5287322.995	365.6158	124.98	-42.99	110m	NQ	041P09	N/A	246201	2021-05-18	2021-05-19	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	7.33	Left in Place	Metal Collar Cap	No	No	2021-05-19	2021-05-26	N. Kastek/R. Wells
ELM21007	541963.7874	5287337.287	361.8863	121.92	-42.85	159m	NQ	041P09	N/A	246201	2021-05-19	2021-05-21	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	2.32	Left in Place	Metal Collar Cap	No	No	2021-05-20	2021-05-22	N. Kastek/R. Wells
ELM21008	542034.2366	5287351.985	368.4563	124.24	-43.05	120m	NQ	041P09	N/A	246201	2021-05-22	2021-05-22	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	2.71	Left in Place	Metal Collar Cap	No	No	2021-05-23	2021-05-23	N. Kastek/R. Wells
ELM21009	541942.9198	5287257.121	373.9929	123.49	-43.55	180m	NQ	041P09	N/A	246201	2021-05-23	2021-05-25	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	2.31	Left in Place	Metal Collar Cap	No	No	2021-05-24	2021-05-25	N. Kastek/R. Wells
ELM21010	541942.3533	5287257.379	373.90	124.32	-64.87	201m	NQ	041P09	N/A	246201	2021-05-24	2021-05-25	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	1.88	Left in Place	Metal Collar Cap	No	No	2021-05-29	2021-05-29	N. Kastek/R. Wells
ELM21011	541942.4496	5287256.617	373.9804	178.09	-44.03	150m	NQ	041P09	N/A	246201	2021-06-02	2021-06-03	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	2.60	Left in Place	Metal Collar Cap	No	No	2021-06-03	2021-06-04	N. Kastek/R. Wells
ELM21012	521949.4933	5287219.676	373.7931	118.12	-44.41	60m	NQ	041P09	N/A	246201	2021-06-03	2021-06-03	G4 Diamond Drilling	Canadian Exploration Services Ltd. 14579 Government Road Larder Lake, Ontario, Canada POK 110	3.00	Left in Place	Metal Collar Cap	No	No	2021-06-04	2021-06-04	N. Kastek/R. Wells











ELM21011	25.59	25.64	0.06	Vein	M	gry	lg	vein/veining	Quartz Vein; Quartz vein 12mm thick, cloudy white with slight red and green alterations in the vein. Upper contact of the vein is defined by a very thin 1mm rim of reddish specular hematite and very fine grained pyrite. Within the quartz vein there is massive blebbly pyrite mineralization, consisting of 20% of vein material. The lower contact is defined by 10mm wide specular hematite with intergrown very fine grained pyrite. On both contacts there is a very small amount of very fine grained pyrite disseminated in the diabase.	Vein	hematite	mod	He	30	Pv	20				
ELM21011	25.64	49.47	23.83	Dia Diabase	D	gry	mcq	massive	Nipissing Diabase; dark grey in colour, medium to coarse grained, moderately magnetic. Unit is very consistent and competent. It is lacking blocking and veining. Unit is noticeably dark green along fractures, and is observed as being weakly/moderately chlorite altered.											
ELM21011	49.47	50.11	0.65	Vqc Quartz Carbonate Vein	L	gry	lg	vein/veining	Quartz Carbonate vein, shallow dipping, intersecting the core axis at 5 DTCA. Vein is a cloudy grey, and is 10mm thick up till 49.7m. From there the vein significantly widens to 10mm thick, and transitions to a strong white colour, and is dominated by quartz. Both walls of the vein are rimmed by a 5mm red hematite stain throughout the interval. There is 3% fine grained pyrite in the vein interval.	vein	hematite	mod			Pv	3				
ELM21011	50.11	113.52	63.41	Dia Diabase	D	gry	fmg	massive	Nipissing Diabase; Dark grey in colour, medium to coarse grained, moderately magnetic. Unit is competent and has a small amount of fractures and veining. Weak chlorite alteration is evident along fractures, where the diabase is observed having a dark green colour. At 56.40m a 10mm wide carbonate vein is encountered with 15% pyrite, with a massive habit. This vein has 50 DTCA. No alteration associated with this vein. Following the vein at 56.70m to 57.6m is an intense rubble zone, where the interval is very blocky. At 61.06m a 10mm thick apilite crosses the core at 65 DTCA. This is unmineralized. Between 73.50m and 78.50m there are areas of high fractures, resulting in blocky diabase. At 75.22m there is a chlorite vein 12mm thick, striking 30 DTCA. At 75.50m there is a 3mm thick quartz carbonate vein with 30% massive pyrite. This vein is 60 DTCA. The lower contact is defined by 4mm of chlorite alteration. Immediately after this vein is a small rubble section. Within this rubble is a thin piece of core, with carbonate vein material and massive pyrite. The carbonate vein has massive pyrite, which returned 0.23% Ca. Following this vein the diabase appears to be more intensely chlorite altered, and <5mm wide chlorite stringers are prominent cutting across the core. There is a 5mm wide carbonate vein at 87.14m, barren of any mineralization. Another carbonate vein with the same properties is observed at 87.48m. At 92.00m a 3mm wide specular hematite vein is intersected, with no sulphide or arsenide presence. From 98.14 to 98.25 is an intense rubble zone, immediately followed by a fault zone, with a 30mm chlorite and quartz infilling part of the fault zone. This chlorite is found 25 DTCA. Incorporating the rubble to the fault zone gives a total width of approximately 200m along the core axis. Another rubble zone is encountered between 99.00-99.70m. 2mm thick chlorite veinlet encountered at 103.12m. 103.50m has another fault zone which again starts with a rubble zone and ends in a chlorite vein. In the bottom of the interval there are two occurrences of specular hematite veins. The one found at a depth 108.60m and 110.34m. They are both 15mm wide and are 50 DTCA. These veins have slight red hematite staining on the outcides of the vein and have 15% pyrite mineralization. Starting at 111.00m the diabase is very fractured and becomes more green than grey. The rubble ends at 112.70m, but the green diabase persists.	massive	chlorite	mod str								
ELM21011	113.52	113.54	0.03	Vic Carbonate Vein	D	black	mg	vein/veining	Specular hematite vein with slight carbonate presence. Dark black and dull yellow colours. Vein is not rimmed by any alteration. Pyrite makes up 5% of the vein, 60 DTCA, 10mm thick.	vein	hematite	mod	he	70	Pv	5				
ELM21011	113.54	142.96	29.42	Dia Diabase	D	gry	me	massive	Nipissing Diabase; Dark grey green in colour, medium grained and equigranular. Unit is competent and has a small amount of veins. Unit is moderately magnetic. At 114.50m there is a 3mm wide chlorite vein at 15 DTCA. Following this is a quartz carbonate vein at 115.93m, 60 DTCA. No mineralization or alteration is associated with either veins. At 135.66m intersects a carbonate vein 16mm thick @ 50 DTCA. This vein is comprised of 80% specular hematite and is 5% carbonate and 5% pyrite. Very fine grained pyrite is found disseminated adjacent to the vein in the diabase. Diabase remains consistent.			chlorite	alteration	wk mod						
ELM21011	142.96	143.03	0.07	Vqc Quartz Carbonate Vein	L	white	me	vein/veining	Quartz Carbonate vein; creamy white, predominately quartz. 8mm thick, 25 DTCA. 25% massive pyrite within vein material that are medium grained. No alteration or disseminated mineralization adjacent to vein. No specular hematite	vein			pv	25						
ELM21011	143.03	145.46	2.44	Dia Diabase	D	gry	mg	massive	Nipissing Diabase; Dark grey in colour, medium to coarse grained, moderately magnetic. Unit is competent and has a small amount of fractures and veining. Weak chlorite alteration is evident along fractures, where the diabase is observed having a dark green colour.											
ELM21011	145.46	145.6	0.14	Vqc Quartz Carbonate Vein	L	white	fmg	vein/veining	Quartz Carbonate vein encountered at 145.46m, 40mm thick with 3% blebbly pyrite. Vein is 45 DTCA. Walls of vein are lined by 5mm of fine grained pyrite and specular hematite mineralization.	vein	hematite	wk mod			Pv	3				
ELM21011	145.6	150	4.41	Dia Diabase	D	gry	mg	massive	Nipissing Diabase; Dark grey in colour, medium to coarse grained, moderately magnetic. Unit is competent and has a small amount of fractures and veining. Weak chlorite alteration is evident along fractures, where the diabase is observed having a dark green colour. 146.50m and 146.77m each have a quartz carbonate vein dominated by 60% specular hematite and 10% massive pyrite. The vein at 146.50m is 6mm thick and is 50 DTCA. The vein at 146.77m is intersected at 60 DTCA and is 20mm thick. No local alteration is observed proximal to veins. Unit remains consistent. EDH @ 150.00m	massive										
ELM21012	0	3	3.00	Obs overburden general																
ELM21012	3	22.2	19.20	Dia Diabase	M	gry	mcq	massive	Nipissing Diabase; medium grey, medium to coarse grained, massive and weakly magnetic. Unit is broken and blocky. Weak pervasive chlorite alteration visible on fracture surfaces and as mild green discoloration of pyroxenes. Unit includes only one specular hematite-carbonate vein at 16.40 meters. Lower contact is sharp at 50 DTCA.	massive	chlorite	alteration	wk			vcb	0.01			
ELM21012	22.2	22.32	0.13	Vic Carbonate Vein	L	white	vfg	vein/veining	Carbonate Vein; 9 mm wide, barren carbonate vein with slivers of host rock intersecting at 50 DTCA.	vein/veining	alteration	str					vcb	100		
ELM21012	22.32	27.62	5.30	Dia Diabase	M	gry	mcq	massive	Nipissing Diabase; medium grey, medium to coarse grained, massive and weakly magnetic. Unit is broken and blocky. Weak pervasive chlorite alteration visible on fracture surfaces and as mild green discoloration of pyroxenes. Veining is present as occasional mm-sized carbonate-chlorite veinlets. Lower contact is sharp at 45 DTCA.	massive	chlorite	alteration	wk					vcb	0.1	
ELM21012	27.62	27.63	0.01	Vqc Quartz Carbonate Vein	L	gry	vfg	vein/veining	Quartz Carbonate Vein; 12 mm wide vein intersecting at 45 DTCA. Core of the vein is made up of quartz with disseminated mm-sized round blebs of pyrite. Rim of the vein is composed of calcite with specular and red hematite.	vein/veining	carbonate	alteration	mod		Pv	5	he	10	vcc	100
ELM21012	27.63	50.6	22.97	Dia Diabase	M	gry	mcq	massive	Nipissing Diabase; medium grey, medium to coarse grained, massive and weakly magnetic. Unit is broken and blocky. Weak pervasive chlorite alteration visible on fracture surfaces and as mild green discoloration of pyroxenes. Occasional veining occurs at 1.2 cm wide quartz carbonate veins with disseminated pyrite blebs and minor hematite along vein margins intersecting at 40-50 DTCA (e.g., 37.94 m). Lower contact is sharp at 40 DTCA.	massive	chlorite	alteration	wk					vcc	0.1	
ELM21012	50.6	50.64	0.04	Vqc Quartz Carbonate Vein	L	white	vfg	vein/veining	Quartz Carbonate Vein; 25 mm wide vein intersecting at 40 DTCA. Core is composed of calcite, rimmed by quartz in equal proportions. Vein includes 15% mm to cm sized pyrite-chalcopyrite blebs.	massive	carbonate	alteration	mod		Pv	10	cp	5	vcc	100
ELM21012	50.64	51.61	0.97	Dia Diabase	M	gry	mcq	massive	Nipissing Diabase; medium grey, medium to coarse grained, massive and weakly magnetic. Unit is broken and blocky. Weak pervasive chlorite alteration visible on fracture surfaces and as mild green discoloration of pyroxenes. Lower contact is sharp at 40 DTCA.	massive	chlorite	alteration	wk							
ELM21012	51.61	51.67	0.07	Vqc Quartz Carbonate Vein	L	white	vfg	vein/veining	Quartz Carbonate Vein; 40 mm wide vein intersecting at 40 DTCA. The majority of the vein is composed of quartz with minor (5%) calcite and includes disseminated angular mm-sized blebs of pyrite.	massive	carbonate	alteration	mod						vcc	100
ELM21012	51.67	60	8.33	Dia Diabase	M	gry	mcq	massive	Nipissing Diabase; medium grey, medium to coarse grained, massive and weakly magnetic. Unit is broken and blocky. Weak pervasive chlorite alteration visible on fracture surfaces and as mild green discoloration of pyroxenes. Unit includes only one specular hematite-carbonate vein at 56.12 meters. EDH	massive	chlorite	alteration	wk							









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

Page: 1  
 Total # Pages: 2 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 13-JUN-2021  
 Account: BMRPLBW

**CERTIFICATE SD21135298**

Project: Elk Lake Mapes – ELM21001  
 P.O. No.: ELM21001  
 This report is for 14 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 28-MAY-2021.  
 The following have access to data associated with this certificate:

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

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

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

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: Elk Lake Mapes – ELM21001

**CERTIFICATE OF ANALYSIS SD21135298**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R3211		0.80	0.11	8.21	1.2	130	0.43	0.06	6.41	0.06	9.38	42.0	52	0.72	114.5	6.73
R3212		1.97	0.10	8.06	1.2	120	0.35	0.07	6.97	0.10	9.80	39.8	49	0.68	112.0	6.52
R3213		1.44	0.07	8.00	1.1	130	0.36	0.06	6.73	0.09	9.02	38.8	46	0.71	111.5	6.17
R3214		1.28	0.18	7.63	2.9	110	1.08	0.19	4.26	0.35	10.95	131.0	47	0.87	194.5	9.96
R3215		2.07	0.07	8.16	2.2	120	0.39	0.06	6.82	0.09	9.55	40.3	51	0.61	106.0	6.37
R3216		2.48	0.09	8.13	2.3	130	0.35	0.05	6.71	0.14	10.20	39.8	54	0.67	114.5	6.31
R3217		2.34	0.06	7.91	1.5	130	0.38	0.07	6.52	0.11	9.66	41.7	55	0.68	113.5	6.47
R3218		1.53	0.05	7.96	0.6	110	0.33	0.05	6.76	0.09	9.10	38.2	53	0.67	111.5	6.04
R3219		0.64	0.24	7.70	4.0	200	1.61	0.28	4.33	<0.02	10.00	92.7	63	1.53	879	8.50
R3220		0.75	0.46	7.80	6.2	180	1.40	0.41	4.13	0.02	10.95	194.0	60	1.61	1830	9.42
R3221		0.15	4.02	5.41	12.8	120	0.57	0.92	3.46	2.06	15.85	972	274	0.75	>10000	17.70
R0251		1.81	0.10	8.45	4.8	300	0.43	0.05	6.35	0.03	9.38	40.5	81	0.81	125.0	6.13
R0252		1.69	0.11	8.91	4.8	350	0.41	0.06	6.45	0.06	9.35	38.0	86	1.00	99.2	6.18
R0253		2.05	0.07	8.83	2.2	120	0.51	0.05	7.27	0.27	12.55	42.0	125	1.01	111.5	6.56





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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3211		17.75	0.12	1.4	0.046	1.52	4.3	27.5	3.63	1260	0.72	1.64	2.0	90.5	220	18.4
R3212		17.80	0.13	1.3	0.048	1.39	4.6	26.0	3.59	1240	0.51	1.47	2.1	87.5	230	6.1
R3213		17.70	0.11	1.3	0.045	1.49	4.2	26.3	3.30	1180	0.37	1.49	2.0	79.6	220	7.6
R3214		17.50	0.13	1.2	0.063	1.25	5.7	30.9	3.07	896	2.19	2.01	1.7	71.2	140	55.1
R3215		16.70	0.11	1.3	0.046	1.39	4.4	22.7	3.52	1090	0.45	1.46	2.0	83.5	210	4.1
R3216		17.05	0.12	1.2	0.042	1.50	4.7	26.1	3.54	1200	0.36	1.48	2.0	84.3	220	9.2
R3217		17.15	0.10	1.3	0.051	1.53	4.5	25.6	3.47	1160	0.51	1.56	2.0	84.4	210	8.0
R3218		16.55	0.12	1.2	0.047	1.38	4.3	23.3	3.35	1140	0.34	1.37	1.9	82.4	210	3.3
R3219		18.50	0.13	1.1	0.092	1.77	5.1	32.9	2.75	1040	1.33	1.99	1.9	74.4	180	18.9
R3220		18.35	0.11	1.2	0.097	1.55	6.2	35.2	2.80	963	1.48	2.10	1.7	73.4	140	22.4
R3221		12.15	0.22	1.4	0.121	0.32	7.3	9.1	3.91	996	4.79	1.17	5.0	>10000	450	14.7
R0251		15.90	0.08	1.1	0.048	1.11	4.2	48.0	3.84	1180	0.43	2.08	1.9	100.0	250	8.9
R0252		14.85	0.08	1.1	0.041	1.13	4.3	50.1	3.98	1200	0.39	2.00	1.8	100.0	220	7.4
R0253		15.70	0.08	1.4	0.050	0.65	5.3	25.4	4.17	1100	0.41	1.61	2.1	101.0	240	7.0

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



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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21001

**CERTIFICATE OF ANALYSIS SD21135298**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3211		28.8	<0.002	0.08	0.21	26.0	1	0.8	131.0	0.15	<0.05	1.06	0.315	0.39	0.5	189
R3212		25.0	<0.002	0.07	0.19	28.7	1	0.6	133.5	0.16	<0.05	1.22	0.327	0.38	0.5	195
R3213		26.7	<0.002	0.07	0.17	25.9	1	0.5	134.0	0.13	<0.05	1.06	0.311	0.41	0.4	187
R3214		59.4	0.002	0.44	0.34	22.5	1	3.9	88.2	0.15	<0.05	1.36	0.262	0.27	1.2	169
R3215		30.0	<0.002	0.07	0.16	27.0	1	0.6	130.5	0.15	<0.05	1.15	0.317	0.39	0.4	188
R3216		30.9	0.002	0.07	0.21	27.5	1	0.5	136.0	0.13	<0.05	1.11	0.311	0.40	0.4	186
R3217		27.6	0.002	0.08	0.20	24.9	1	0.6	132.0	0.15	<0.05	1.05	0.315	0.36	0.5	186
R3218		25.2	<0.002	0.07	0.19	25.2	1	0.5	126.5	0.14	<0.05	1.04	0.300	0.33	0.3	178
R3219		47.0	0.002	0.31	0.52	22.3	1	1.7	85.3	0.14	0.05	0.92	0.294	0.30	0.9	181
R3220		64.6	0.003	0.53	0.55	21.4	1	1.9	78.9	0.13	<0.05	1.28	0.275	0.22	1.1	168
R3221		11.4	0.050	7.86	3.30	9.1	21	2.5	180.5	0.31	4.66	1.07	0.512	0.20	0.3	78
R0251		28.7	0.002	0.06	0.55	30.8	1	0.5	295	0.13	0.05	1.06	0.314	0.29	0.5	183
R0252		36.8	<0.002	0.07	0.54	31.7	<1	0.4	272	0.12	<0.05	1.12	0.317	0.33	0.3	187
R0253		24.4	0.002	0.07	0.15	34.4	<1	0.6	137.0	0.15	<0.05	1.44	0.326	0.18	0.6	187



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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21001

**CERTIFICATE OF ANALYSIS SD21135298**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Cu % 0.001	Ni % 0.001	Pass2mm % 0.01	Pass75um % 0.01
R3211		0.3	10.6	76	44.3			70.5	91.3
R3212		0.3	11.5	81	47.0				91.2
R3213		0.3	10.6	78	44.6				
R3214		5.2	12.3	138	41.0				
R3215		0.3	11.7	64	43.9				
R3216		0.2	11.4	92	44.5				
R3217		0.4	10.4	74	45.0				
R3218		0.2	10.6	76	41.2				
R3219		1.5	11.4	41	40.2				
R3220		1.9	12.0	46	45.2				
R3221		2.5	9.5	138	50.9	1.620	4.61		
R0251		0.3	12.4	89	45.7				
R0252		0.3	11.7	96	42.8				
R0253		0.2	14.1	100	55.2				



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Project: Elk Lake Mapes – ELM21001

**CERTIFICATE OF ANALYSIS SD21135298**

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



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**CERTIFICATE SD21135310**

Project: Elk Lake Mapes – ELM21002  
 P.O. No.: ELM21002  
 This report is for 4 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 28-MAY-2021.  
 The following have access to data associated with this certificate:

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

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

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21002

**CERTIFICATE OF ANALYSIS SD21135310**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R3222		1.21	0.11	7.92	1.6	150	0.63	0.11	5.70	0.11	9.35	44.4	78	0.82	135.5	7.75
R0254		1.36	0.14	8.06	2.9	120	0.39	0.05	6.63	0.06	8.21	38.7	84	0.91	109.5	6.01
R3223		0.98	0.13	8.55	4.5	60	1.92	0.06	7.38	0.02	18.60	42.8	74	2.02	115.0	5.95
R0255		1.85	0.21	8.12	5.7	180	0.45	0.08	6.59	0.11	8.88	39.1	92	0.81	113.5	6.07



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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21002

**CERTIFICATE OF ANALYSIS SD21135310**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3222		16.35	0.12	1.2	0.059	1.70	4.2	23.1	3.50	1000	1.57	1.58	1.9	91.3	220	11.8
R0254		16.15	0.11	1.1	0.049	1.87	3.6	33.5	3.59	1220	0.40	1.55	1.9	99.6	200	17.2
R3223		18.05	0.08	1.3	0.112	1.58	7.8	72.2	3.36	1470	0.38	2.52	1.8	94.7	200	6.8
R0255		16.20	0.08	1.2	0.050	1.35	3.9	38.1	3.64	1320	0.80	1.87	1.9	98.7	210	4.6

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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21002

**CERTIFICATE OF ANALYSIS SD21135310**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3222		42.7	<0.002	0.10	0.20	26.3	1	1.9	110.5	0.12	<0.05	0.90	0.302	0.35	0.5	187
R0254		39.4	<0.002	0.06	0.33	26.1	<1	0.5	104.5	0.12	<0.05	0.82	0.309	0.34	0.3	189
R3223		52.5	<0.002	0.05	0.13	27.6	1	0.9	75.5	0.13	<0.05	1.07	0.308	0.25	0.5	189
R0255		20.8	<0.002	0.06	0.47	23.5	<1	0.7	142.0	0.14	<0.05	0.92	0.314	0.29	0.4	193





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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21002

<b>CERTIFICATE OF ANALYSIS SD21135310</b>
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Sample Description	Method Analyte Units LOD	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	CRU-QC Pass2mm %	PUL-QC Pass75um %
		0.1	0.1	2	0.5	0.01	0.01
R3222		1.6	10.9	82	41.2	79.4	97.7
R0254		0.3	10.4	70	40.7		97.8
R3223		1.1	16.5	62	47.0		
R0255		0.5	10.3	98	43.5		



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Project: Elk Lake Mapes – ELM21002

**CERTIFICATE OF ANALYSIS SD21135310**

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



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**CERTIFICATE SD21135315**

Project: Elk Lake Mapes – ELM21003  
 P.O. No.: ELM21003  
 This report is for 24 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 28-MAY-2021.  
 The following have access to data associated with this certificate:

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Co-OG62	Ore Grade Co – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21003

**CERTIFICATE OF ANALYSIS SD21135315**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R3224		1.25	0.13	7.89	2.2	130	0.72	0.33	5.83	0.07	12.40	98.0	53	1.15	130.0	8.28
R3225		0.55	0.01	0.12	<0.2	10	0.07	0.01	31.4	<0.02	0.96	1.2	2	<0.05	2.5	0.19
R3226		0.98	0.08	7.70	1.9	170	0.37	0.04	6.85	0.09	10.60	43.6	52	0.71	141.5	6.95
R3227		1.06	0.19	7.09	2.8	80	1.05	0.21	5.23	0.49	16.70	178.0	54	1.03	601	11.85
R3228		2.70	0.11	7.59	1.3	130	0.35	0.05	7.02	0.10	10.90	44.6	61	0.74	163.0	7.02
R3229		1.24	0.19	7.24	3.7	130	0.75	0.22	6.15	0.51	21.8	337	64	0.96	228	11.45
R3230		1.17	0.22	7.15	2.5	100	1.17	0.25	5.18	0.20	14.80	89.6	65	1.21	151.0	9.74
R3231		2.16	0.15	8.29	3.1	140	0.37	0.12	6.69	0.09	11.20	41.5	65	0.73	146.5	6.45
R3232		2.18	1.84	8.04	14.9	100	0.84	0.13	6.48	0.16	14.20	43.5	59	1.30	200	5.87
R3233		1.16	4.66	7.88	1115	70	1.43	7.23	7.98	0.03	15.95	784	36	1.39	4270	6.12
R3234		2.06	0.19	7.65	6.2	120	0.41	0.10	6.16	0.07	9.01	44.4	45	0.71	129.5	6.68
R3235		1.11	0.16	8.05	3.5	150	0.48	0.09	5.79	0.05	10.55	40.1	47	0.66	106.5	6.25
R3236		1.07	0.25	7.62	5.3	120	0.54	0.12	5.74	0.67	9.82	271	44	0.65	114.0	10.20
R3237		2.40	0.11	8.07	1.7	130	0.32	0.06	6.93	0.09	9.63	40.0	44	0.70	118.5	6.15
R3238		2.53	0.12	7.62	2.1	140	0.55	0.05	6.42	0.15	9.75	39.1	46	0.85	105.5	6.00
R3239		0.47	0.07	8.02	1.7	150	0.76	0.10	5.41	0.06	8.96	61.3	73	0.98	104.0	7.66
R3240		0.60	0.06	8.04	1.1	150	0.62	0.09	5.48	0.04	9.55	49.0	71	0.94	100.5	7.35
R3241		0.05	0.81	7.02	2.3	250	1.23	0.06	5.54	1.28	39.0	>10000	170	0.77	1915	7.10
R3242		1.22	0.05	8.47	1.9	180	0.47	0.07	5.78	0.05	8.84	42.1	67	0.88	113.0	6.47
R3243		1.00	0.07	8.12	1.7	170	0.67	0.11	5.64	0.04	9.26	62.0	71	1.01	109.5	7.40
R3244		2.13	0.06	8.33	1.0	140	0.31	0.03	7.15	0.10	10.45	44.1	76	0.81	112.5	6.23
R3245		0.65	0.12	7.74	4.0	150	0.72	0.22	5.97	0.71	18.60	202	68	1.03	121.0	7.91
R3246		1.58	0.06	8.28	1.2	130	0.38	0.04	6.94	0.10	10.45	42.4	73	0.86	115.5	6.20
R3247		1.11	0.11	7.82	1.6	80	0.39	0.05	6.75	0.11	9.99	45.5	79	1.00	122.5	5.80



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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21003

**CERTIFICATE OF ANALYSIS SD21135315**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3224		17.50	0.12	1.3	0.063	1.19	6.1	34.3	4.23	1180	1.27	1.76	2.0	91.9	220	12.0
R3225		0.38	0.09	<0.1	<0.005	0.01	1.1	1.7	3.39	154	0.13	0.04	0.1	1.5	70	0.7
R3226		16.35	0.08	1.3	0.053	1.54	5.1	25.4	3.97	1200	0.51	1.53	2.0	94.4	230	14.7
R3227		17.95	0.08	1.2	0.100	0.72	8.4	37.1	4.26	1160	2.93	2.00	1.9	99.1	150	22.7
R3228		16.15	0.08	1.3	0.048	1.30	5.2	23.2	4.33	1360	0.58	1.40	1.9	104.5	220	25.8
R3229		17.50	0.09	1.2	0.073	1.24	10.1	29.3	4.24	1320	2.41	1.65	1.8	152.5	190	31.5
R3230		17.00	0.10	1.2	0.074	1.24	7.5	34.8	3.82	1350	2.34	1.86	2.0	88.2	220	80.6
R3231		16.40	0.11	1.2	0.044	1.90	5.5	24.0	4.11	1230	0.38	1.56	1.9	96.7	210	11.0
R3232		17.90	0.11	1.3	0.062	1.68	7.3	37.7	3.50	1220	0.50	1.90	2.0	91.6	210	74.8
R3233		17.15	0.10	1.2	0.280	1.30	7.9	55.3	3.04	1900	81.7	2.26	1.8	164.5	200	35.2
R3234		17.15	0.18	1.2	0.052	1.76	4.2	23.0	3.43	1120	1.07	1.60	1.8	83.3	190	23.0
R3235		16.80	0.22	1.2	0.055	1.96	4.8	24.1	3.47	1180	0.62	1.74	1.9	80.9	210	92.8
R3236		17.05	0.16	1.1	0.050	1.66	4.3	23.9	3.12	1030	2.13	1.71	1.8	105.0	190	72.7
R3237		17.95	0.05	1.2	0.043	1.33	4.4	27.4	3.37	1140	0.50	1.43	2.0	84.5	190	7.9
R3238		18.35	0.05	1.3	0.050	1.16	4.5	40.1	3.28	1150	0.92	1.77	2.1	82.6	210	70.8
R3239		17.75	0.05	1.2	0.048	1.33	4.0	47.8	3.75	1180	0.62	1.99	2.0	96.4	200	20.0
R3240		16.50	0.05	1.1	0.045	1.33	4.4	44.7	3.66	1180	0.54	1.89	1.8	89.8	240	18.7
R3241		20.8	0.10	3.4	0.056	0.67	19.4	8.3	3.63	959	3.59	2.15	22.9	>10000	1440	20.3
R3242		15.60	0.09	1.1	0.048	1.63	3.9	39.5	3.64	1100	0.50	1.91	1.8	95.5	210	19.1
R3243		17.55	0.06	1.2	0.055	1.25	4.2	39.6	3.59	1100	0.87	1.96	2.0	97.8	210	16.4
R3244		16.75	0.05	1.2	0.046	0.87	4.9	27.4	3.75	1150	0.48	1.46	1.9	99.4	200	6.2
R3245		16.40	0.05	1.2	0.060	1.11	8.0	32.7	3.04	975	1.53	1.73	1.8	95.2	180	90.0
R3246		16.60	0.06	1.2	0.046	0.90	4.9	27.4	3.75	1140	0.42	1.38	1.9	97.8	210	5.0
R3247		17.40	0.05	1.6	0.044	0.37	4.7	31.6	3.34	1050	0.76	1.74	2.1	86.7	180	14.4



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Project: Elk Lake Mapes – ELM21003

**CERTIFICATE OF ANALYSIS SD21135315**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3224		42.8	0.002	0.32	0.32	34.8	1	1.5	106.5	0.14	0.06	1.44	0.318	0.27	0.7	202
R3225		0.5	<0.002	<0.01	0.12	0.4	1	<0.2	74.0	<0.05	<0.05	0.10	0.007	<0.02	0.1	2
R3226		43.8	<0.002	0.08	0.18	34.5	1	0.5	135.5	0.13	<0.05	1.19	0.324	0.34	0.4	209
R3227		33.4	0.002	0.66	0.28	37.4	2	5.3	76.5	0.14	0.08	1.50	0.291	0.15	1.1	198
R3228		45.5	0.003	0.09	0.14	35.1	1	0.6	123.5	0.14	<0.05	1.30	0.322	0.35	0.4	210
R3229		62.7	0.002	1.01	0.29	38.9	2	4.5	97.1	0.13	0.11	1.42	0.296	0.28	1.0	193
R3230		37.2	<0.002	0.26	0.50	31.9	1	4.7	82.4	0.14	0.05	1.22	0.286	0.25	1.0	195
R3231		64.5	<0.002	0.08	0.50	34.8	1	0.6	122.0	0.13	<0.05	1.36	0.314	0.37	0.4	204
R3232		49.9	<0.002	0.07	0.87	31.1	2	0.6	104.0	0.13	<0.05	1.19	0.298	0.30	0.5	186
R3233		33.9	0.003	0.36	10.35	25.8	1	1.9	84.7	0.12	<0.05	1.03	0.281	0.32	0.9	165
R3234		34.3	<0.002	0.08	1.02	25.7	1	1.0	116.0	0.15	0.05	1.00	0.293	0.29	0.5	183
R3235		46.3	<0.002	0.08	0.57	25.6	1	0.6	120.0	0.14	<0.05	1.17	0.308	0.32	0.6	183
R3236		38.6	<0.002	1.18	0.40	25.2	2	3.5	109.5	0.12	0.20	1.02	0.291	0.29	0.8	172
R3237		23.6	<0.002	0.07	0.15	27.4	1	0.5	142.0	0.14	<0.05	0.99	0.308	0.32	0.4	185
R3238		17.7	<0.002	0.07	0.34	25.7	1	0.6	142.0	0.15	<0.05	0.94	0.304	0.32	0.4	182
R3239		26.3	0.002	0.17	0.35	27.8	1	1.0	131.5	0.14	0.06	0.96	0.300	0.32	0.6	186
R3240		29.6	<0.002	0.13	0.31	26.9	1	1.0	124.5	0.13	<0.05	0.98	0.299	0.32	0.5	179
R3241		20.8	<0.002	2.58	2.02	19.8	1	1.5	409	1.24	<0.05	2.49	1.000	0.11	0.7	145
R3242		40.1	<0.002	0.08	0.32	29.8	<1	0.6	132.5	0.12	<0.05	0.90	0.312	0.28	0.4	185
R3243		25.7	0.002	0.16	0.24	26.6	1	1.1	136.5	0.14	<0.05	1.03	0.306	0.32	0.7	183
R3244		20.8	0.003	0.07	0.12	28.6	1	0.5	153.5	0.15	<0.05	1.11	0.300	0.27	0.4	181
R3245		36.1	0.002	0.72	0.29	24.2	2	1.9	118.5	0.12	0.13	1.11	0.278	0.28	0.9	164
R3246		27.2	<0.002	0.07	0.11	30.1	1	0.5	151.0	0.13	<0.05	1.12	0.297	0.29	0.4	176
R3247		7.0	0.002	0.11	0.12	25.1	2	1.0	139.0	0.17	<0.05	1.41	0.294	0.12	1.1	165



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Project: Elk Lake Mapes – ELM21003

**CERTIFICATE OF ANALYSIS SD21135315**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Co-OG62	Ni-OG62	Au-ICP21	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Co %	Ni %	Au ppm	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.0005	0.001	0.001	0.01	0.01
R3224		1.7	12.7	86	44.2			0.002	85.4	92.8
R3225		0.1	2.2	4	1.8			<0.001		
R3226		0.2	12.9	71	43.3			<0.001		93.0
R3227		4.7	16.5	173	43.2			0.001		
R3228		0.2	12.6	85	41.0			0.001		
R3229		5.4	16.6	155	41.8			0.003		
R3230		6.5	13.0	118	42.3			0.001		
R3231		0.3	12.8	68	44.2			0.002		
R3232		0.5	12.6	86	44.7			0.048		
R3233		1.2	15.2	60	40.1			<0.001		
R3234		0.9	10.3	62	38.8			0.002		
R3235		0.4	11.5	72	40.8			0.001		
R3236		3.3	11.1	209	38.3			0.002		
R3237		0.3	11.2	70	43.6			<0.001		
R3238		0.3	10.9	99	47.7			0.001		
R3239		0.8	10.6	89	45.0			0.005		
R3240		0.8	10.9	84	41.5			0.005		
R3241		1.7	22.1	122	141.5	2.09	2.29	0.033		
R3242		0.5	11.3	69	42.4			0.003		
R3243		1.0	10.9	70	47.3			0.006		
R3244		0.2	11.8	73	43.6			0.004		
R3245		1.6	15.6	230	41.4			0.007		
R3246		0.2	12.3	71	42.9			0.004		
R3247		0.7	11.3	73	58.2			0.005		



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Project: Elk Lake Mapes – ELM21003

**CERTIFICATE OF ANALYSIS SD21135315**

	<b>CERTIFICATE COMMENTS</b>								
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	<p>Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;">LOG-24</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-24	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-24						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">Co-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 15%;">ME-OG62</td> </tr> <tr> <td>Ni-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Au-ICP21	Co-OG62	ME-MS61	ME-OG62	Ni-OG62			
Au-ICP21	Co-OG62	ME-MS61	ME-OG62						
Ni-OG62									





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 This copy reported on  
 21-JUN-2021  
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**CERTIFICATE SD21135317**

Project: Elk Lake Mapes – ELM21004  
 P.O. No.: ELM21004  
 This report is for 45 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 29-MAY-2021.  
 The following have access to data associated with this certificate:

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

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: Elk Lake Mapes – ELM21004

**CERTIFICATE OF ANALYSIS SD21135317**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
R3248		1.39	0.05	8.70	1.3	130	0.32	0.04	7.57	0.10	8.93	39.6	47	0.68	119.5	6.24
R3249		1.19	0.08	8.08	3.0	140	0.81	0.17	5.13	0.19	8.30	206	42	0.79	128.0	6.93
R3250		2.43	0.08	8.56	1.2	140	0.45	0.08	6.95	0.13	9.24	58.0	48	0.68	115.0	6.98
R3251		1.12	0.12	8.42	2.2	100	1.08	0.13	5.46	0.13	13.75	97.6	65	1.01	110.5	8.86
R3252		1.84	0.08	8.34	1.5	140	0.50	0.07	6.50	0.14	9.59	45.8	74	0.85	123.5	6.49
R3253		2.17	0.07	8.75	1.5	170	0.39	0.03	7.41	0.09	9.53	37.8	73	0.76	116.0	6.17
R3254		1.13	0.12	7.82	2.1	150	0.93	0.19	4.56	0.74	9.79	93.4	72	1.08	177.5	9.59
R3255		1.70	0.06	8.27	1.6	140	0.41	0.06	6.78	0.06	9.48	44.1	81	0.81	119.5	6.42
R3256		1.28	0.08	8.13	1.6	180	0.39	0.03	6.75	0.09	8.70	40.5	82	0.78	117.5	6.06
R3257		1.21	0.19	8.14	3.1	110	0.75	0.36	4.93	0.34	13.85	219	84	0.97	215	10.30
R3258		1.99	0.06	8.89	1.9	140	0.55	0.06	6.50	0.14	10.30	44.0	84	0.91	102.5	7.66
R3259		0.95	0.06	8.57	2.0	160	0.31	0.05	7.36	0.08	9.18	41.2	90	1.01	118.5	6.22
R3260		1.00	0.07	8.70	2.1	170	0.28	0.06	7.48	0.08	9.79	39.8	85	0.99	120.5	6.24
R3261		0.15	3.90	5.45	16.1	120	0.57	0.90	3.46	2.12	15.85	978	265	0.76	>10000	17.65
R3262		0.81	0.18	8.04	3.6	110	1.19	0.38	4.97	0.16	27.2	161.5	89	1.54	93.2	8.43
R3263		1.99	0.06	8.75	2.0	140	0.32	0.05	7.36	0.07	9.88	40.0	87	0.89	108.0	6.14
R3264		1.29	0.08	8.35	1.7	170	0.55	0.09	6.52	0.08	12.95	55.9	89	1.03	121.5	7.18
R3265		1.75	0.06	8.97	1.6	140	0.29	0.06	7.39	0.06	9.81	36.7	95	0.95	87.4	6.00
R3266		1.27	0.60	7.94	11.3	140	0.58	0.37	5.62	1.45	29.2	991	106	0.95	357	8.47
R3267		1.83	0.07	8.71	1.9	150	0.29	0.05	7.22	0.06	9.62	40.9	111	1.12	96.6	6.06
R3268		1.69	0.08	8.19	5.1	180	0.30	0.17	6.60	0.04	8.01	37.0	135	0.82	67.5	5.67
R3269		2.42	0.63	7.28	37.5	80	0.45	1.09	7.65	<0.02	16.10	233	122	0.43	2750	7.46
R3270		2.19	0.73	7.63	778	130	0.70	4.28	8.49	0.07	14.60	451	108	0.67	158.0	4.99
R3271		2.56	0.19	8.37	34.5	140	0.66	0.17	6.64	0.06	8.93	52.6	145	1.06	93.4	5.93
R3272		1.19	0.13	6.62	1.4	30	0.18	0.04	5.38	0.76	7.30	59.8	92	1.00	81.9	7.36
R3273		1.38	0.10	7.59	1.4	50	0.23	0.04	6.48	0.68	6.81	52.7	126	0.93	88.3	6.73
R3274		1.30	0.06	7.34	1.5	120	0.41	0.06	6.35	0.11	7.13	66.7	110	1.28	74.8	8.42
R3275		0.60	<0.01	0.10	<0.2	20	0.07	0.01	30.0	0.03	1.19	1.2	3	<0.05	2.3	0.19
R3276		1.65	0.06	6.73	7.1	10	0.19	0.07	4.82	2.43	6.65	65.7	91	0.37	38.4	8.62
R3277		1.99	0.14	7.51	11.3	140	0.70	0.14	7.11	0.11	15.30	535	140	1.34	105.5	8.93
R3278		2.43	0.08	7.83	2.7	180	0.70	0.08	5.89	0.08	10.15	53.8	169	1.38	311	7.26
R3279		1.14	0.04	7.65	2.5	200	0.49	0.07	6.45	0.13	9.82	51.3	164	1.03	80.9	6.52
R3280		1.04	0.09	7.46	2.5	190	0.49	0.07	6.60	0.08	9.56	48.6	168	1.00	243	6.76
R3281		0.15	3.82	5.20	12.7	110	0.50	0.89	3.34	1.95	14.90	944	257	0.71	>10000	17.10
R3282		1.35	0.07	7.31	3.1	150	0.92	0.23	5.28	0.03	9.87	71.3	164	1.31	103.0	11.00
R3283		1.47	0.30	6.14	23.4	110	0.94	0.46	4.83	0.06	9.87	658	103	1.10	209	16.40
R3284		2.05	0.06	7.52	1.3	150	0.40	0.07	6.70	0.10	10.45	58.6	113	1.42	84.7	7.70
R3285		1.28	0.07	6.99	3.3	120	0.65	0.10	6.07	0.04	10.25	66.5	115	1.19	86.0	9.62
R3286		2.21	0.07	7.32	2.0	110	0.31	0.06	7.30	0.07	11.25	55.7	127	1.12	104.0	6.81
R3287		1.52	0.05	6.92	1.1	40	0.26	0.07	6.37	0.04	10.70	52.6	121	0.39	39.2	7.64



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 Account: BMRPLLW

Project: Elk Lake Mapes – ELM21004

CERTIFICATE OF ANALYSIS    SD21135317
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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 Units LOD	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
R3248		17.10	0.08	1.3	0.043	0.82	4.0	21.1	3.58	1160	0.76	1.56	1.9	86.3	200	4.9
R3249		17.85	0.09	1.4	0.056	1.19	3.8	24.4	3.24	943	0.80	2.03	1.9	82.6	200	13.0
R3250		17.30	0.07	1.2	0.046	0.97	4.2	20.5	3.55	1120	0.94	1.64	1.9	88.8	200	8.9
R3251		19.25	0.08	1.5	0.090	0.97	6.3	33.4	3.75	1200	1.61	2.39	2.1	93.7	210	54.6
R3252		16.65	0.08	1.3	0.056	1.05	4.5	28.0	3.56	1100	0.63	1.76	2.0	92.9	220	26.7
R3253		16.55	0.07	1.3	0.049	1.07	4.4	23.0	3.48	1130	0.47	1.59	2.0	91.9	230	12.2
R3254		16.55	0.08	1.1	0.064	1.02	4.5	34.3	3.69	984	2.31	1.93	2.1	91.8	200	81.4
R3255		16.45	0.05	1.2	0.054	1.17	4.3	22.8	3.76	1040	0.53	1.52	1.9	101.0	200	6.6
R3256		16.60	0.08	1.2	0.051	1.12	3.9	30.5	3.59	1140	0.47	1.67	1.9	97.5	210	73.3
R3257		17.95	0.09	1.0	0.074	0.80	6.8	36.7	3.84	971	2.41	1.99	2.0	95.4	220	144.5
R3258		17.60	0.08	1.1	0.060	1.07	4.8	28.0	3.76	997	0.74	1.87	1.8	91.3	190	12.1
R3259		16.55	0.06	1.2	0.052	0.91	4.1	26.3	3.81	1160	0.52	1.49	2.0	104.0	210	7.6
R3260		16.40	0.08	1.3	0.044	0.95	4.5	26.1	3.79	1180	0.40	1.51	1.9	106.0	220	7.4
R3261		12.35	0.25	1.3	0.118	0.31	7.1	8.7	3.91	981	4.94	1.17	5.3	>10000	470	16.4
R3262		16.25	0.08	1.2	0.109	0.80	12.3	55.3	4.35	1200	1.16	2.19	1.7	93.2	180	59.7
R3263		16.00	0.08	1.2	0.051	0.96	4.6	25.6	3.82	1100	0.48	1.46	1.8	97.7	210	6.8
R3264		15.75	0.06	1.2	0.064	1.10	5.8	29.0	3.73	1160	1.03	1.64	1.9	91.3	220	31.6
R3265		15.40	0.09	1.1	0.050	1.13	4.6	26.0	3.72	1100	0.39	1.36	1.8	87.7	210	6.1
R3266		15.80	0.09	1.0	0.079	0.94	12.7	31.3	3.88	1040	0.83	1.62	1.5	148.0	160	2210
R3267		15.40	0.06	1.1	0.049	1.08	4.5	26.0	3.96	1100	0.45	1.35	1.8	102.5	210	10.4
R3268		14.35	0.08	1.1	0.051	0.85	3.8	39.6	3.74	1080	0.45	2.10	1.6	90.7	200	6.9
R3269		13.75	0.07	1.0	0.074	0.57	8.0	36.5	3.62	1020	1.58	2.35	1.4	144.0	160	4.9
R3270		14.55	0.07	1.4	0.101	1.08	6.8	33.2	3.06	1180	25.5	2.17	1.7	269	170	9.1
R3271		15.30	0.07	1.1	0.055	1.58	4.2	36.6	4.03	1200	1.02	1.69	1.7	107.0	200	19.2
R3272		12.45	0.07	0.8	0.039	0.10	3.4	63.3	6.69	1300	0.44	1.68	1.2	278	160	49.7
R3273		13.55	0.06	0.9	0.040	0.16	3.1	59.2	6.01	1280	0.27	1.69	1.4	262	160	114.0
R3274		13.60	0.07	0.8	0.042	0.69	3.4	22.9	6.26	1090	0.97	1.03	1.3	304	160	24.3
R3275		0.30	0.07	<0.1	0.008	0.01	1.3	1.6	2.59	122	0.14	0.03	0.1	3.6	80	1.4
R3276		11.25	0.05	0.9	0.041	0.06	2.8	44.9	8.30	1520	0.29	1.89	1.3	309	160	51.1
R3277		13.75	0.07	1.0	0.054	1.03	6.9	20.1	5.33	1060	0.65	1.13	1.5	260	470	14.2
R3278		15.45	0.08	1.5	0.065	1.34	4.8	26.8	5.70	1100	0.45	1.49	2.2	206	200	10.2
R3279		14.75	0.07	1.2	0.054	1.36	4.6	25.3	5.13	1170	0.34	1.38	1.8	195.0	200	13.9
R3280		14.25	0.08	1.1	0.064	1.28	4.5	25.6	5.22	1180	0.35	1.39	1.8	201	200	10.4
R3281		11.65	0.20	1.3	0.107	0.30	6.5	7.9	3.77	959	4.81	1.11	4.8	>10000	450	13.4
R3282		15.55	0.07	1.2	0.065	0.96	5.1	19.3	4.51	932	1.97	1.63	1.8	187.0	200	16.7
R3283		16.15	0.09	0.9	0.057	0.84	5.1	22.8	4.53	1060	3.82	1.23	1.5	235	180	15.6
R3284		14.90	0.07	1.1	0.050	1.03	4.8	18.0	5.62	1240	0.66	1.23	1.9	228	210	8.9
R3285		14.80	0.07	1.2	0.052	0.98	5.0	23.2	5.55	1080	1.28	1.27	2.0	231	210	13.7
R3286		14.40	0.06	1.3	0.048	0.49	5.4	32.7	5.74	1300	0.40	1.40	1.9	230	220	6.3
R3287		14.90	0.05	1.2	0.058	0.16	5.0	31.8	5.58	1220	0.33	2.19	1.8	205	210	7.2



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 Account: BMRPLLW

Project: Elk Lake Mapes – ELM21004

<b>CERTIFICATE OF ANALYSIS SD21135317</b>
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Sample Description	Method Analyte Units LOD	ME–MS61 Rb ppm 0.1	ME–MS61 Re ppm 0.002	ME–MS61 S % 0.01	ME–MS61 Sb ppm 0.05	ME–MS61 Sc ppm 0.1	ME–MS61 Se ppm 1	ME–MS61 Sn ppm 0.2	ME–MS61 Sr ppm 0.2	ME–MS61 Ta ppm 0.05	ME–MS61 Te ppm 0.05	ME–MS61 Th ppm 0.01	ME–MS61 Ti % 0.005	ME–MS61 Tl ppm 0.02	ME–MS61 U ppm 0.1	ME–MS61 V ppm 1
R3248		11.6	<0.002	0.06	0.13	25.5	<1	0.5	156.5	0.14	<0.05	1.06	0.311	0.20	0.4	187
R3249		18.8	0.002	0.45	0.25	22.3	1	1.0	110.0	0.13	0.08	0.98	0.295	0.29	0.6	167
R3250		16.7	<0.002	0.13	0.15	25.1	<1	1.0	144.5	0.13	<0.05	1.12	0.306	0.24	0.5	181
R3251		22.7	<0.002	0.25	0.25	26.1	1	4.4	102.0	0.14	<0.05	1.35	0.304	0.17	1.0	201
R3252		20.5	0.002	0.10	0.18	25.7	1	1.0	143.5	0.13	<0.05	1.16	0.314	0.27	0.5	190
R3253		21.5	<0.002	0.07	0.15	27.4	1	0.5	163.5	0.14	<0.05	1.04	0.322	0.29	0.4	191
R3254		28.5	<0.002	0.37	0.27	26.5	1	4.7	114.5	0.12	0.09	0.97	0.286	0.24	0.7	179
R3255		28.2	0.002	0.08	0.16	27.3	1	0.6	143.0	0.13	<0.05	1.03	0.306	0.26	0.4	185
R3256		20.1	<0.002	0.07	0.24	25.6	1	0.5	146.0	0.14	<0.05	0.94	0.306	0.25	0.3	183
R3257		19.4	0.002	0.57	0.21	25.3	2	4.8	114.5	0.13	0.16	1.02	0.292	0.18	0.8	190
R3258		28.3	<0.002	0.09	0.15	27.7	<1	1.4	138.5	0.13	<0.05	1.04	0.309	0.25	0.6	198
R3259		18.2	<0.002	0.07	0.18	27.3	1	0.5	162.0	0.13	<0.05	0.98	0.309	0.30	0.4	186
R3260		17.7	0.003	0.07	0.14	27.0	1	0.5	164.0	0.14	<0.05	0.99	0.318	0.32	0.4	191
R3261		11.3	0.044	7.94	3.59	8.6	22	2.7	183.5	0.30	4.66	0.96	0.519	0.15	0.3	78
R3262		20.1	0.002	0.58	0.35	25.6	1	1.2	93.0	0.13	0.14	1.00	0.278	0.15	0.8	172
R3263		28.3	<0.002	0.07	0.16	29.0	<1	0.5	153.5	0.13	0.06	1.19	0.301	0.28	0.4	184
R3264		28.0	<0.002	0.13	0.18	26.5	<1	2.0	137.5	0.13	<0.05	1.06	0.291	0.31	0.5	183
R3265		36.8	<0.002	0.06	0.14	28.9	1	0.5	151.5	0.12	<0.05	1.16	0.304	0.31	0.4	184
R3266		32.1	0.003	2.61	0.24	26.7	3	0.6	115.5	0.12	0.23	1.23	0.260	0.25	0.9	168
R3267		33.4	<0.002	0.07	0.14	29.4	1	0.5	150.0	0.13	<0.05	1.08	0.302	0.31	0.4	182
R3268		17.4	0.002	0.06	0.44	27.5	1	0.5	254	0.11	<0.05	0.93	0.281	0.22	0.3	176
R3269		28.1	0.002	1.16	0.69	29.4	2	3.3	288	0.10	0.12	1.05	0.235	0.13	0.6	153
R3270		31.5	0.004	0.09	2.61	26.7	1	1.3	125.5	0.13	<0.05	1.29	0.252	0.26	0.9	164
R3271		40.5	<0.002	0.05	0.84	28.7	<1	0.5	103.5	0.13	<0.05	0.92	0.289	0.32	0.4	183
R3272		3.5	<0.002	0.02	0.07	23.9	1	0.3	128.5	0.08	<0.05	0.79	0.202	0.03	0.2	138
R3273		3.5	<0.002	0.03	0.07	24.5	1	0.4	157.0	0.09	<0.05	0.79	0.236	0.03	0.3	154
R3274		31.0	<0.002	0.11	0.21	25.5	1	1.1	108.0	0.10	<0.05	0.73	0.230	0.20	0.4	153
R3275		0.4	<0.002	<0.01	0.10	0.4	2	<0.2	73.8	<0.05	<0.05	0.06	0.005	<0.02	0.1	2
R3276		1.7	<0.002	0.03	0.05	23.9	<1	0.4	31.8	0.10	<0.05	0.97	0.228	0.02	0.3	140
R3277		48.5	<0.002	1.19	0.32	26.6	2	1.4	95.2	0.12	0.09	1.57	0.240	0.22	0.6	165
R3278		62.2	<0.002	0.12	0.40	31.5	<1	1.0	98.4	0.16	<0.05	1.70	0.288	0.24	0.7	179
R3279		59.0	<0.002	0.07	0.38	32.4	1	0.8	113.0	0.13	<0.05	1.21	0.280	0.26	0.4	179
R3280		52.1	0.002	0.08	0.35	30.4	1	1.0	112.0	0.13	<0.05	1.13	0.275	0.25	0.4	179
R3281		11.2	0.049	8.08	2.84	8.9	22	2.4	171.0	0.29	4.15	1.00	0.494	0.17	0.3	75
R3282		51.2	<0.002	0.30	0.28	29.6	1	6.6	78.1	0.12	0.05	1.37	0.255	0.22	1.5	162
R3283		44.4	0.002	1.34	0.50	26.9	2	11.5	74.5	0.11	0.36	1.06	0.227	0.19	0.8	171
R3284		46.2	<0.002	0.08	0.22	31.9	<1	1.1	116.0	0.14	<0.05	1.29	0.294	0.29	0.5	191
R3285		45.2	0.002	0.13	0.39	31.2	1	4.9	93.2	0.13	0.05	1.24	0.289	0.22	0.8	187
R3286		18.2	<0.002	0.07	0.18	35.4	1	0.6	138.0	0.14	<0.05	1.37	0.311	0.12	0.4	200
R3287		5.4	0.002	0.05	0.11	32.5	1	0.5	238	0.13	<0.05	1.22	0.280	0.06	0.4	187

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



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**CERTIFICATE OF ANALYSIS SD21135317**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	Au-ICP21	CRU-QC	PUL-QC
		W	Y	Zn	Zr	Cu	Ni	Au	Pass2mm	Pass75um
		ppm	ppm	ppm	ppm	%	%	ppm	%	%
		0.1	0.1	2	0.5	0.001	0.001	0.001	0.01	0.01
R3248		0.3	10.2	78	44.6			0.001	80.1	89.3
R3249		0.7	9.3	101	46.1			0.083		
R3250		0.8	10.2	84	45.7			0.004		
R3251		4.5	13.1	99	50.2			0.003		
R3252		1.2	11.2	91	49.0			0.005		
R3253		0.2	11.5	70	43.1			0.005		
R3254		5.6	10.6	259	42.1			0.004		
R3255		0.3	11.1	62	43.4			0.007		
R3256		0.4	10.4	70	42.1			0.008		
R3257		6.3	10.3	134	40.4			0.008		
R3258		1.3	12.1	83	40.7			0.003		
R3259		0.3	11.1	72	44.1			0.007		
R3260		0.3	11.2	73	45.6			0.007		
R3261		2.4	9.5	139	51.0	1.575	4.59	0.273		
R3262		1.1	12.4	138	39.2			0.011		
R3263		0.2	11.4	66	42.0			0.006		
R3264		3.0	11.5	83	41.2			0.006		
R3265		0.2	11.4	62	39.5			0.003		
R3266		0.4	12.2	409	34.2			0.010		
R3267		0.3	11.4	64	41.2			0.003		
R3268		0.5	9.6	75	38.4			0.001		
R3269		1.1	13.5	82	35.3			0.101		
R3270		1.1	16.1	66	49.5			0.017		
R3271		0.5	10.6	66	38.9			0.003		
R3272		0.2	8.5	192	26.3			<0.001		
R3273		0.2	9.2	181	29.6			<0.001		
R3274		0.6	8.9	90	28.0			0.002		
R3275		0.1	2.1	9	1.6			0.001		
R3276		0.2	10.0	493	29.8			0.002		
R3277		1.7	31.9	69	34.8			0.515		
R3278		1.1	13.7	75	52.2			0.002		
R3279		1.1	12.3	80	40.7			0.001		
R3280		1.2	11.9	75	39.4			0.001		
R3281		2.5	8.8	136	49.9	1.570	4.62	0.243		
R3282		14.6	16.7	50	41.7			0.010		
R3283		21.1	10.7	65	32.0			0.362		
R3284		0.8	12.5	82	42.7			0.003		
R3285		12.1	13.0	65	39.9			0.006		
R3286		0.4	13.1	73	46.0			0.006		
R3287		0.6	12.5	87	44.1			0.001	83.4	92.0



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Project: Elk Lake Mapes – ELM21004

**CERTIFICATE OF ANALYSIS SD21135317**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
R3288		1.76	0.08	7.63	2.4	80	0.34	0.09	6.67	0.04	11.40	58.8	133	0.77	71.9	7.43
R3289		2.68	0.09	7.32	3.8	140	0.62	0.12	6.19	0.14	11.25	96.8	135	0.99	112.5	8.90
R3290		2.41	0.06	7.59	2.3	120	0.35	0.07	7.21	0.07	13.30	47.2	110	0.88	103.0	7.33
R3291		2.21	0.07	7.84	6.3	180	0.84	0.07	4.35	0.06	26.5	35.9	111	0.91	153.0	5.89
R3292		2.25	0.04	8.37	3.1	740	2.80	0.04	0.42	<0.02	36.3	24.6	123	2.88	20.7	4.99

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



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Project: Elk Lake Mapes – ELM21004

**CERTIFICATE OF ANALYSIS SD21135317**

Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61			
					Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
					ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
					0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3288					14.25	0.05	1.4	0.051	0.36	5.3	36.0	5.94	1320	0.45	1.87	1.9	229	230	9.5
R3289					16.10	0.07	1.3	0.058	1.34	5.5	24.2	4.74	1140	1.10	1.40	2.1	153.0	230	15.3
R3290					15.80	0.07	1.5	0.058	0.73	6.2	22.2	4.47	1290	0.42	1.59	2.2	109.5	250	5.6
R3291					19.55	0.09	2.3	0.047	1.33	12.3	30.5	3.36	798	0.60	2.20	3.2	107.0	460	6.9
R3292					25.8	0.10	4.1	0.054	3.68	15.3	43.8	1.81	209	0.63	2.11	6.5	73.0	850	10.3

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Project: Elk Lake Mapes – ELM21004

**CERTIFICATE OF ANALYSIS SD21135317**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3288		13.9	0.002	0.07	0.15	38.2	1	0.5	128.0	0.14	<0.05	1.45	0.320	0.11	0.5	208
R3289		57.8	<0.002	0.22	0.25	35.4	1	3.0	102.0	0.14	0.07	1.44	0.326	0.28	0.7	206
R3290		32.8	<0.002	0.08	0.21	39.7	1	0.7	181.0	0.16	<0.05	1.66	0.361	0.20	0.6	226
R3291		30.0	<0.002	0.05	0.27	28.3	1	0.6	91.1	0.26	<0.05	5.80	0.300	0.20	2.2	182
R3292		90.0	<0.002	0.01	0.69	15.1	<1	1.3	89.0	0.57	<0.05	9.35	0.264	0.48	4.7	121

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Project: Elk Lake Mapes – ELM21004

**CERTIFICATE OF ANALYSIS SD21135317**

Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Cu-OG62 Cu % 0.001	Ni-OG62 Ni % 0.001	Au-ICP21 Au ppm 0.001	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
R3288		0.6	13.4	85	48.3			0.002		
R3289		4.7	13.9	92	45.3			0.056		
R3290		0.4	15.8	78	53.0			0.001		
R3291		0.5	12.3	51	79.0			0.002		
R3292		1.1	13.6	22	136.0			0.008		



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Project: Elk Lake Mapes – ELM21004

**CERTIFICATE OF ANALYSIS SD21135317**

	<b>CERTIFICATE COMMENTS</b>								
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;">LOG-24</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-24	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-24						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">Cu-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 15%;">ME-OG62</td> </tr> <tr> <td>Ni-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Au-ICP21	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62			
Au-ICP21	Cu-OG62	ME-MS61	ME-OG62						
Ni-OG62									



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**CERTIFICATE SD21135320**

Project: Elk Lake Mapes – ELM21005  
 P.O. No.: ELM21005  
 This report is for 42 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 28-MAY-2021.  
 The following have access to data associated with this certificate:

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Co-OG62	Ore Grade Co – Four Acid	
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	
As-OG62	Ore Grade As – 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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Project: Elk Lake Mapes – ELM21005

**CERTIFICATE OF ANALYSIS SD21135320**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
R3293		1.30	0.11	6.99	1.8	60	1.36	0.15	2.44	1.35	19.05	119.0	45	1.05	180.0	9.44
R3294		2.44	0.09	7.92	1.9	220	0.54	0.13	5.55	0.05	10.90	53.4	55	0.76	222	6.64
R3295		1.28	0.07	7.38	1.9	160	0.73	0.09	5.42	0.08	8.92	57.2	62	0.93	110.0	8.09
R3296		2.04	0.12	6.83	2.1	60	1.56	0.12	1.70	0.65	19.95	108.0	49	1.13	87.1	9.98
R3297		2.29	0.06	8.16	1.7	170	0.39	0.04	6.93	0.06	10.05	40.8	74	0.81	117.0	6.34
R3298		1.84	0.09	8.10	1.4	210	0.50	0.06	6.37	0.08	9.87	53.8	79	1.05	122.5	6.84
R3299		0.59	0.09	7.96	2.1	210	0.43	0.12	6.04	0.16	12.10	85.0	78	1.15	121.0	7.84
R3300		0.70	0.14	7.82	4.4	190	0.58	0.20	5.63	0.43	12.75	236	75	1.25	133.0	8.94
R3301		0.14	4.01	5.38	13.7	110	0.60	0.84	3.43	2.12	17.00	965	273	0.77	>10000	17.60
R3302		2.59	0.07	8.82	2.3	160	0.34	0.06	7.22	0.07	9.73	41.7	76	1.09	128.5	6.52
R3303		1.35	0.12	7.73	3.5	160	1.03	0.24	5.33	0.44	14.60	157.5	76	1.22	117.5	10.80
R3304		1.22	0.18	7.74	2.2	160	0.94	0.27	4.93	2.50	9.76	118.0	78	1.22	245	9.57
R3305		2.35	0.15	7.37	3.6	170	1.26	0.24	4.82	0.89	8.97	158.0	92	1.03	115.0	9.11
R3306		2.53	0.08	7.70	2.0	190	0.50	0.09	6.25	0.08	10.10	56.9	93	1.11	109.5	8.03
R3307		2.70	0.11	8.14	2.9	170	0.90	0.16	5.37	0.39	10.60	108.0	119	1.16	120.5	9.26
R3308		2.57	0.07	7.71	2.1	180	0.45	0.07	6.51	0.06	8.97	43.8	120	0.82	161.5	6.75
R3309		2.76	0.07	7.76	1.7	150	0.68	0.11	6.35	0.18	11.50	88.5	111	1.05	70.0	11.90
R3310		2.37	0.06	8.48	1.6	140	0.35	0.05	6.82	0.06	9.78	37.7	126	1.05	93.3	6.17
R3311		1.28	0.06	8.40	1.8	180	0.36	0.04	7.07	0.07	9.57	38.7	129	1.01	97.5	5.98
R3312		2.39	0.24	5.74	5.8	50	0.94	0.22	4.13	0.98	14.90	381	106	1.57	133.0	15.40
R3313		2.74	0.07	8.23	1.5	180	0.31	0.05	7.33	0.09	9.16	40.9	143	0.76	98.7	6.38
R3314		2.54	0.07	8.43	1.9	160	0.35	0.12	7.01	0.08	10.15	59.8	144	0.96	91.5	6.61
R3315		2.62	0.03	8.61	1.4	160	0.30	0.03	7.09	0.05	9.83	39.0	144	0.87	90.4	6.03
R3316		2.32	0.36	7.55	2.2	170	0.53	0.08	5.88	0.10	11.90	125.5	139	0.93	937	6.94
R3317		2.29	0.06	8.70	1.3	130	0.23	0.03	7.25	0.10	9.59	42.0	138	1.11	91.3	6.16
R3318		2.42	0.06	8.20	1.9	110	0.35	0.04	7.14	0.09	8.99	42.0	151	0.95	81.6	6.02
R3319		1.08	0.04	8.06	1.1	120	0.28	0.03	7.18	0.11	8.61	40.1	142	1.00	82.9	5.86
R3320		1.19	0.05	8.05	1.1	120	0.27	0.03	7.15	0.09	8.74	40.5	137	0.99	84.0	5.83
R3321		0.09	0.77	5.80	4.1	200	0.92	0.10	4.54	1.67	30.7	>10000	141	0.62	4250	5.87
R3322		2.09	0.07	8.66	6.5	90	0.30	0.04	7.00	0.12	9.30	42.1	153	1.20	90.6	6.62
R3323		2.59	0.10	8.13	5.5	140	0.25	0.03	7.16	0.13	8.89	47.7	165	0.95	86.0	6.10
R3324		1.19	0.45	7.75	2780	150	0.77	13.40	8.26	0.04	26.8	1130	133	1.27	95.4	5.99
R3325		2.44	7.52	4.10	>10000	60	0.92	54.9	16.45	0.04	47.1	6260	62	0.62	>10000	4.80
R3326		0.57	0.01	0.10	5.1	20	0.07	0.04	32.5	0.02	0.88	2.8	2	0.09	6.1	0.14
R3327		1.37	0.30	6.19	31.7	130	0.90	0.28	6.71	0.32	26.4	183.0	146	1.92	477	13.35
R3328		2.41	0.08	8.01	4.8	130	0.30	0.05	6.76	0.13	10.25	49.4	193	1.00	84.3	6.29
R3329		2.74	0.05	8.20	2.2	120	0.28	0.04	7.10	0.10	9.47	45.8	161	1.10	80.4	6.11
R3330		2.61	0.04	7.87	2.1	110	0.27	0.05	6.77	0.07	7.64	56.3	114	1.56	86.3	6.86
R3331		1.10	0.25	7.51	6.6	120	1.46	0.39	6.02	0.42	24.6	349	146	1.42	197.0	9.76
R3332		2.18	0.07	8.03	3.1	140	0.26	0.04	6.64	0.09	8.48	56.9	125	1.16	89.4	6.44



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Project: Elk Lake Mapes – ELM21005

**CERTIFICATE OF ANALYSIS SD21135320**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
R3293		19.80	0.06	3.0	0.054	0.61	8.1	31.3	2.45	819	2.40	2.99	4.9	60.7	450	114.0
R3294		17.70	0.07	1.2	0.082	1.62	4.9	32.8	3.37	1080	0.71	1.88	2.1	84.3	230	21.0
R3295		18.25	0.06	1.2	0.060	1.04	3.9	37.9	3.64	1200	1.29	1.90	2.0	89.0	200	26.9
R3296		20.3	0.07	3.0	0.073	2.03	8.0	44.5	3.01	847	1.49	2.94	4.5	66.1	400	57.0
R3297		17.40	0.05	1.1	0.051	1.28	4.5	32.9	3.63	1130	0.49	1.61	1.9	94.5	230	20.4
R3298		17.80	0.06	1.2	0.053	1.29	4.6	34.2	3.69	1220	0.56	1.61	2.0	95.8	220	102.0
R3299		16.45	0.05	1.2	0.045	1.23	5.6	33.7	3.47	1140	1.34	1.52	2.0	89.3	220	58.0
R3300		16.90	0.08	1.1	0.048	1.19	6.0	33.7	3.39	1080	1.87	1.48	2.0	108.0	200	36.2
R3301		12.55	0.20	1.3	0.110	0.31	7.6	10.6	3.89	991	5.32	1.16	5.2	>10000	460	14.4
R3302		16.20	0.09	1.2	0.052	1.24	4.5	32.5	3.85	1120	0.60	1.53	1.9	101.0	200	9.7
R3303		18.25	0.07	1.2	0.065	1.17	6.3	39.6	3.48	1220	2.43	1.95	2.0	102.5	230	39.3
R3304		18.65	0.07	1.1	0.077	1.08	4.4	46.6	3.69	1200	1.70	1.95	1.8	96.3	210	321
R3305		17.90	0.07	1.1	0.069	1.05	4.2	43.2	3.72	1190	1.74	2.00	1.8	97.0	200	25.9
R3306		18.00	0.05	1.2	0.052	1.27	4.6	37.9	3.66	1080	1.34	1.53	2.0	94.7	180	40.1
R3307		17.55	0.06	1.1	0.062	1.31	4.9	38.1	3.81	1080	2.02	1.80	1.7	96.3	200	68.6
R3308		17.05	<0.05	1.1	0.048	1.20	4.2	34.9	3.94	1180	0.70	1.61	1.9	102.5	200	9.8
R3309		17.70	0.06	1.1	0.047	0.93	5.2	41.8	3.86	1180	3.18	1.74	1.9	91.8	210	9.4
R3310		15.45	0.05	1.1	0.045	1.03	4.5	35.1	3.96	1140	0.46	1.52	1.7	92.5	190	7.8
R3311		16.60	0.06	1.2	0.041	1.29	4.4	31.3	3.77	1230	0.48	1.44	1.8	102.5	200	9.3
R3312		12.70	0.07	0.8	0.052	0.44	6.4	54.9	3.49	1160	5.52	1.47	1.3	110.0	140	124.5
R3313		16.95	0.06	1.2	0.044	1.25	4.2	27.0	3.97	1250	0.43	1.44	1.9	98.9	210	6.0
R3314		16.75	0.06	1.1	0.043	1.19	4.8	27.9	4.10	1120	0.79	1.37	1.8	99.9	210	6.1
R3315		16.10	0.05	1.1	0.039	1.25	4.6	26.3	4.21	1060	0.48	1.31	1.8	101.0	200	3.2
R3316		15.05	0.06	1.1	0.060	1.14	5.5	29.7	3.84	996	0.74	1.36	1.5	102.5	160	9.8
R3317		16.20	0.05	1.1	0.045	0.93	4.5	28.8	4.50	1160	0.36	1.31	1.7	127.5	180	7.3
R3318		14.85	0.06	1.0	0.046	0.85	4.1	24.6	4.51	1100	0.43	1.23	1.6	131.0	180	4.3
R3319		15.05	<0.05	1.0	0.037	0.89	3.9	23.9	4.15	1090	0.39	1.22	1.6	121.5	190	4.1
R3320		14.95	0.06	1.0	0.043	0.89	4.0	23.4	4.16	1080	0.39	1.21	1.6	123.0	190	3.9
R3321		16.10	0.13	2.5	0.050	0.54	15.1	6.7	2.97	786	3.29	1.77	17.2	>10000	1170	15.8
R3322		14.75	0.08	1.1	0.045	0.73	4.3	44.6	4.75	1180	0.34	1.74	1.7	132.0	200	12.2
R3323		14.95	0.05	1.0	0.039	1.09	4.1	25.6	4.45	1180	0.33	1.23	1.6	145.0	200	6.1
R3324		15.50	0.07	1.8	0.081	1.35	12.0	27.1	3.13	1380	17.60	2.22	2.4	572	180	5.5
R3325		9.69	0.07	1.8	0.415	0.52	22.6	16.2	1.27	3230	36.9	1.61	1.8	3300	170	72.2
R3326		0.27	<0.05	<0.1	0.005	0.02	1.0	1.8	2.15	130	0.11	0.03	0.1	1.9	70	0.7
R3327		13.70	0.07	0.7	0.079	1.32	12.8	29.6	3.45	1170	4.13	1.09	1.1	162.5	110	35.3
R3328		14.70	0.05	1.0	0.039	1.54	4.8	27.8	5.06	1200	0.40	1.15	1.6	170.5	190	6.9
R3329		14.45	<0.05	1.0	0.036	1.19	4.4	26.5	4.71	1180	0.28	1.14	1.7	170.0	200	4.5
R3330		13.80	0.06	0.8	0.036	0.89	3.5	25.0	5.71	1160	0.23	1.02	1.3	257	160	3.4
R3331		18.60	0.06	0.8	0.098	1.16	12.1	40.3	4.27	1340	1.62	1.81	1.3	189.5	120	126.5
R3332		14.75	0.05	0.9	0.034	1.30	4.0	29.2	5.14	1180	0.28	1.13	1.4	217	160	13.0

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



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Project: Elk Lake Mapes – ELM21005

**CERTIFICATE OF ANALYSIS SD21135320**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3293		28.9	<0.002	0.28	0.16	21.9	1	2.3	62.5	0.36	0.05	3.52	0.341	0.10	2.5	127
R3294		32.8	<0.002	0.11	0.30	26.7	1	0.8	138.5	0.15	<0.05	0.97	0.311	0.36	0.6	179
R3295		17.2	0.003	0.14	0.29	25.5	1	1.8	119.5	0.14	0.05	0.92	0.294	0.27	0.7	177
R3296		14.5	0.002	0.26	0.18	21.9	1	3.0	66.4	0.35	<0.05	3.70	0.323	0.07	2.8	138
R3297		26.3	0.002	0.05	0.17	28.8	1	0.5	148.5	0.13	<0.05	0.99	0.310	0.32	0.4	189
R3298		29.0	0.002	0.10	0.19	28.4	1	0.8	150.0	0.14	<0.05	1.02	0.310	0.35	0.5	185
R3299		32.1	<0.002	0.22	0.24	27.1	1	2.2	141.5	0.14	0.05	1.06	0.307	0.32	0.5	183
R3300		39.1	0.003	0.82	0.24	28.2	2	3.0	133.0	0.14	0.14	1.11	0.297	0.32	0.6	179
R3301		11.1	0.050	7.84	2.77	8.9	23	2.6	180.0	0.30	4.31	1.05	0.514	0.17	0.4	78
R3302		34.8	<0.002	0.07	0.19	31.6	<1	0.5	163.5	0.13	<0.05	1.10	0.325	0.30	0.4	191
R3303		28.2	0.003	0.56	0.33	26.2	1	4.7	113.5	0.14	0.09	0.99	0.286	0.25	1.0	172
R3304		21.1	<0.002	0.47	0.29	26.0	1	3.3	115.5	0.13	0.09	0.86	0.290	0.25	0.9	173
R3305		17.0	<0.002	0.45	0.30	24.8	1	3.1	158.5	0.13	0.08	0.81	0.276	0.23	0.9	173
R3306		25.4	<0.002	0.12	0.23	28.0	2	2.1	144.5	0.14	0.06	1.07	0.291	0.37	0.6	179
R3307		45.1	0.002	0.32	0.34	27.5	1	3.1	120.5	0.12	0.05	1.04	0.274	0.30	0.9	168
R3308		22.5	0.002	0.09	0.21	27.3	1	1.4	145.0	0.13	<0.05	0.89	0.289	0.34	0.5	186
R3309		26.7	<0.002	0.25	0.26	29.0	1	6.4	135.0	0.13	0.06	1.14	0.266	0.24	0.9	169
R3310		32.8	0.002	0.06	0.17	29.5	2	0.5	138.5	0.12	<0.05	0.97	0.284	0.29	0.4	178
R3311		35.1	0.002	0.06	0.22	29.5	1	0.5	141.0	0.12	<0.05	0.97	0.295	0.34	0.4	180
R3312		21.2	0.003	1.34	0.46	24.1	2	8.7	59.3	0.08	0.12	0.78	0.208	0.09	0.9	137
R3313		26.1	<0.002	0.07	0.15	29.7	1	0.5	143.5	0.15	<0.05	0.91	0.306	0.36	0.4	193
R3314		39.5	0.002	0.14	0.16	31.1	1	0.7	136.0	0.12	0.05	1.01	0.303	0.30	0.4	186
R3315		43.1	<0.002	0.06	0.09	29.8	1	0.5	140.5	0.12	<0.05	1.01	0.297	0.34	0.3	181
R3316		56.7	<0.002	0.40	0.33	27.4	1	0.6	109.5	0.12	<0.05	2.25	0.249	0.29	1.0	164
R3317		31.4	0.002	0.06	0.13	31.0	1	0.4	141.0	0.14	<0.05	1.00	0.279	0.28	0.3	178
R3318		25.6	0.002	0.06	0.17	30.1	<1	0.4	129.0	0.12	<0.05	1.02	0.277	0.24	0.3	176
R3319		19.0	0.002	0.06	0.14	27.2	1	0.5	128.5	0.12	<0.05	0.96	0.290	0.28	0.3	178
R3320		20.6	<0.002	0.05	0.11	27.1	<1	0.4	128.5	0.12	<0.05	1.00	0.287	0.27	0.3	174
R3321		16.2	<0.002	5.81	0.51	15.6	1	1.2	328	0.91	<0.05	1.92	0.817	0.13	0.5	120
R3322		29.1	0.002	0.06	0.58	34.2	<1	0.4	125.5	0.11	<0.05	1.12	0.302	0.17	0.4	186
R3323		27.0	<0.002	0.06	0.46	28.5	1	0.4	122.5	0.11	<0.05	0.94	0.278	0.31	0.3	176
R3324		62.0	<0.002	0.11	18.15	28.5	<1	2.6	96.1	0.20	<0.05	2.12	0.282	0.29	1.1	156
R3325		24.2	0.006	2.34	78.5	19.0	3	1.8	63.3	0.14	0.17	2.15	0.146	0.13	1.7	86
R3326		0.7	<0.002	<0.01	0.13	0.5	1	<0.2	79.7	<0.05	<0.05	0.06	0.006	0.03	0.1	2
R3327		64.7	0.002	0.65	0.82	25.8	1	5.7	71.3	0.09	0.05	0.79	0.197	0.22	1.3	143
R3328		65.9	<0.002	0.06	0.31	31.8	<1	0.4	109.0	0.11	<0.05	1.11	0.284	0.35	0.4	178
R3329		38.6	<0.002	0.05	0.15	27.9	1	0.4	117.5	0.11	<0.05	1.02	0.280	0.29	0.3	169
R3330		36.4	<0.002	0.06	0.11	28.6	<1	0.4	111.0	0.10	<0.05	0.82	0.245	0.26	0.2	152
R3331		61.6	0.002	1.36	0.49	25.3	1	2.8	74.1	0.09	0.16	0.81	0.219	0.23	1.5	152
R3332		51.6	<0.002	0.05	0.18	28.7	1	0.5	116.0	0.10	<0.05	0.85	0.253	0.31	0.3	159



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Project: Elk Lake Mapes – ELM21005

**CERTIFICATE OF ANALYSIS SD21135320**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62	Co-OG62	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W	Y	Zn	Zr	As	Co	Cu	Ni	Pass2mm	Pass75um
		ppm	ppm	ppm	ppm	%	%	%	%	%	%
		0.1	0.1	2	0.5	0.001	0.0005	0.001	0.001	0.01	0.01
R3293		2.3	19.4	383	110.5					87.2	95.8
R3294		0.6	12.2	70	45.6						88.9
R3295		1.4	10.9	90	43.8						
R3296		2.6	18.8	229	107.0						
R3297		0.2	11.8	55	40.3						
R3298		0.5	11.6	74	43.5						
R3299		3.4	11.7	96	42.2						
R3300		4.0	12.1	153	41.7						
R3301		2.5	9.8	137	51.3			1.625	4.56		
R3302		0.2	13.1	68	46.9						
R3303		5.5	12.9	172	41.9						
R3304		2.6	11.0	724	40.9						
R3305		2.9	9.6	294	40.6						
R3306		1.7	11.5	70	45.1						
R3307		3.5	12.1	157	41.1						
R3308		1.0	10.4	84	41.3						
R3309		7.6	12.4	118	40.8						
R3310		0.4	11.6	72	40.2						
R3311		0.3	11.6	62	42.2						
R3312		9.8	10.9	312	29.0						
R3313		0.3	11.3	72	43.4						
R3314		0.4	12.0	63	40.9						
R3315		0.2	11.6	54	39.4						
R3316		0.7	13.7	58	37.2						
R3317		0.2	11.6	75	39.5						
R3318		0.2	10.9	68	35.9						
R3319		0.2	10.5	73	37.0						
R3320		0.2	10.6	71	37.4						
R3321		3.1	16.8	133	108.5		5.14		5.57		
R3322		0.3	12.4	91	42.8						
R3323		0.2	10.8	78	36.3						
R3324		3.9	22.0	42	71.7						
R3325		1.2	43.0	31	70.9	1.640		2.24			
R3326		<0.1	1.9	5	1.4						
R3327		5.2	17.0	127	23.6						
R3328		0.2	12.1	78	37.7						
R3329		0.2	11.3	77	37.2						
R3330		0.1	9.9	70	29.7						
R3331		2.5	20.8	171	28.4						
R3332		0.2	10.1	79	32.0					71.0	92.4



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**CERTIFICATE OF ANALYSIS SD21135320**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
R3333		2.02	0.07	8.34	2.4	140	0.33	0.05	6.97	0.06	9.31	45.4	173	0.90	86.2	6.13
R3334		2.46	0.09	7.65	3.0	160	0.66	0.18	5.64	0.10	13.45	88.5	142	1.31	103.0	10.65





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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	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
R3333		14.65	0.06	1.1	0.039	1.41	4.3	26.8	4.65	1150	0.31	1.22	1.6	146.0	190	5.2
R3334		15.40	0.06	0.8	0.055	1.43	6.5	32.3	5.02	1100	2.37	1.26	1.3	200	130	17.2



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**CERTIFICATE OF ANALYSIS SD21135320**

Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	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
R3333		52.8	<0.002	0.06	0.21	30.1	1	0.4	117.0	0.11	<0.05	1.01	0.279	0.31	0.3	172
R3334		66.6	<0.002	0.24	0.29	29.2	1	4.0	97.4	0.09	0.10	0.81	0.225	0.30	0.6	151



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 Plus Appendix Pages  
 Finalized Date: 13-JUN-2021  
 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21005

**CERTIFICATE OF ANALYSIS SD21135320**

Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	As-OG62 As % 0.001	Co-OG62 Co % 0.0005	Cu-OG62 Cu % 0.001	Ni-OG62 Ni % 0.001	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
R3333		0.2	11.4	61	36.5						94.6
R3334		4.3	13.1	76	28.1						

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



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 Finalized Date: 13-JUN-2021  
 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21005

**CERTIFICATE OF ANALYSIS SD21135320**

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



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 Account: BMRPLLBW

**CERTIFICATE SD21135322**

Project: Elk Lake Mapes – ELM21006  
 P.O. No.: ELM21006  
 This report is for 16 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 28-MAY-2021.  
 The following have access to data associated with this certificate:

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

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

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

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 Account: BMRPLLBW

Project: Elk Lake Mapes – ELM21006

CERTIFICATE OF ANALYSIS SD21135322
------------------------------------

Sample Description	Method Analyte Units LOD	WEI–21 Recvd Wt. kg	ME–MS61 Ag ppm	ME–MS61 Al %	ME–MS61 As ppm	ME–MS61 Ba ppm	ME–MS61 Be ppm	ME–MS61 Bi ppm	ME–MS61 Ca %	ME–MS61 Cd ppm	ME–MS61 Ce ppm	ME–MS61 Co ppm	ME–MS61 Cr ppm	ME–MS61 Cs ppm	ME–MS61 Cu ppm	ME–MS61 Fe %
R3335		1.15	0.10	8.26	2.7	130	0.41	0.12	6.66	0.38	8.46	145.0	130	0.88	98.3	6.65
R3336		2.10	0.06	8.11	1.2	110	0.43	0.11	6.70	0.07	8.02	54.6	134	0.97	100.0	6.77
R3337		1.21	0.06	7.77	0.9	110	0.38	0.05	6.96	0.13	7.73	43.8	158	0.91	188.5	6.40
R3338		2.56	0.04	8.16	0.8	90	0.27	0.03	7.91	0.08	9.52	43.1	163	1.23	83.5	6.01
R3339		0.64	0.05	7.87	1.9	150	0.40	0.08	7.02	0.12	8.25	46.9	167	1.01	103.5	6.80
R3340		0.83	0.06	7.24	2.3	130	0.40	0.06	6.55	0.17	8.27	46.2	162	1.10	85.1	6.25
R3341		0.12	4.25	5.09	14.4	110	0.55	1.18	3.30	2.07	15.80	924	257	0.72	>10000	16.70
R3342		1.42	0.22	6.57	2.3	110	0.38	0.14	5.75	1.41	6.75	62.1	111	1.10	475	8.91
R3343		1.29	0.05	7.08	1.8	120	0.50	0.04	5.75	0.09	7.29	62.3	103	1.19	79.5	7.00
R3344		1.87	0.03	7.35	2.3	110	0.40	0.06	6.00	0.07	7.10	56.4	108	1.19	73.0	7.23
R3345		1.14	0.06	7.82	6.0	130	0.45	0.19	6.03	0.06	8.55	107.0	110	1.17	80.7	6.97
R3346		2.24	0.07	6.76	1.4	80	0.24	0.04	6.57	0.09	6.89	54.6	102	1.17	74.7	6.20
R3347		2.32	0.06	7.40	2.3	70	0.27	0.03	6.88	0.08	8.03	53.5	106	1.12	74.3	6.03
R3348		2.71	0.07	7.55	1.7	120	0.45	0.05	6.50	0.08	11.20	62.2	107	1.15	88.8	6.96
R3349		2.37	0.05	7.28	1.4	80	0.27	0.04	6.73	0.09	8.53	45.6	144	1.02	70.3	6.57
R3350		2.41	0.19	6.97	1.3	80	0.27	0.04	6.65	0.09	9.23	48.4	117	0.98	92.8	6.38



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Project: Elk Lake Mapes – ELM21006

**CERTIFICATE OF ANALYSIS SD21135322**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3335		15.50	0.06	1.1	0.051	0.78	3.9	21.9	4.50	1090	0.85	1.49	1.7	139.0	180	18.3
R3336		15.55	0.07	1.0	0.049	0.70	3.8	19.0	4.36	1070	0.58	1.44	1.6	133.5	170	5.6
R3337		14.80	0.07	1.1	0.053	0.66	3.7	17.3	4.48	1080	0.42	1.35	1.7	146.0	180	4.6
R3338		15.30	0.07	1.1	0.049	0.48	4.4	14.8	4.36	1100	0.34	1.28	1.8	140.0	200	4.1
R3339		14.90	0.05	1.0	0.059	0.85	3.7	20.0	5.23	1200	0.30	1.40	1.6	173.0	170	11.8
R3340		13.70	0.07	1.0	0.046	0.73	3.8	21.6	4.80	1080	0.55	1.25	1.5	168.5	160	12.3
R3341		11.55	0.22	1.3	0.121	0.29	7.0	8.9	3.68	941	4.51	1.09	4.7	>10000	440	13.6
R3342		12.90	0.08	0.7	0.058	0.88	3.2	21.9	5.36	989	1.99	0.99	1.3	311	140	25.8
R3343		14.05	0.08	0.9	0.042	1.06	3.4	29.7	5.71	933	0.54	1.07	1.4	268	150	21.3
R3344		14.35	0.09	0.8	0.035	1.00	3.3	29.0	5.67	959	0.69	1.03	1.4	257	150	8.6
R3345		14.15	0.08	0.9	0.039	1.10	4.1	26.6	5.44	981	0.54	1.14	1.5	257	170	7.7
R3346		12.70	0.06	0.8	0.033	0.39	3.2	27.9	6.20	964	0.38	0.98	1.4	302	170	6.0
R3347		13.40	0.07	1.0	0.033	0.37	3.8	27.6	5.96	996	0.30	1.16	1.5	280	190	7.0
R3348		14.30	0.07	1.0	0.038	1.17	5.2	24.3	5.25	1080	0.54	1.16	1.6	228	190	9.9
R3349		14.00	0.06	1.1	0.043	0.45	3.9	29.3	4.53	1170	0.29	1.72	1.7	132.5	200	6.3
R3350		13.35	0.07	1.1	0.038	0.44	4.2	27.6	5.04	1160	0.30	1.41	1.6	207	200	5.6



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Project: Elk Lake Mapes – ELM21006

**CERTIFICATE OF ANALYSIS SD21135322**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3335		23.7	<0.002	0.36	0.17	29.0	1	1.1	126.5	0.12	0.06	1.11	0.279	0.21	0.5	179
R3336		20.8	0.002	0.12	0.15	28.2	1	0.7	125.5	0.11	<0.05	0.95	0.268	0.21	0.5	176
R3337		18.5	<0.002	0.06	0.14	28.6	1	0.6	122.5	0.12	<0.05	1.02	0.279	0.19	0.6	183
R3338		19.0	0.002	0.05	0.10	30.4	1	0.5	135.5	0.12	<0.05	1.09	0.289	0.15	0.3	182
R3339		20.4	<0.002	0.06	0.22	29.3	1	0.5	118.0	0.12	<0.05	0.81	0.269	0.20	0.3	181
R3340		30.6	<0.002	0.05	0.39	30.5	<1	0.4	110.5	0.10	<0.05	0.95	0.249	0.20	0.3	170
R3341		10.9	0.044	7.76	3.68	9.1	21	2.4	171.0	0.29	4.22	1.01	0.490	0.17	0.3	74
R3342		40.7	<0.002	0.17	0.25	22.5	1	2.4	95.2	0.09	<0.05	0.68	0.223	0.18	0.5	152
R3343		45.0	<0.002	0.07	0.22	23.9	1	0.7	97.6	0.09	<0.05	0.77	0.243	0.19	0.4	149
R3344		43.3	<0.002	0.06	0.18	23.9	<1	1.0	99.0	0.11	<0.05	0.73	0.244	0.21	0.4	147
R3345		50.0	<0.002	0.18	0.24	28.5	1	0.8	98.9	0.11	<0.05	1.03	0.258	0.20	0.6	161
R3346		9.1	<0.002	0.05	0.10	22.9	<1	0.4	118.5	0.10	<0.05	0.70	0.250	0.11	0.3	159
R3347		9.7	<0.002	0.05	0.14	27.0	<1	0.4	130.5	0.11	<0.05	0.86	0.268	0.08	0.3	168
R3348		47.4	<0.002	0.12	0.22	28.1	<1	0.8	99.8	0.11	<0.05	1.04	0.264	0.21	0.4	168
R3349		7.3	<0.002	0.06	0.11	30.5	1	0.5	118.5	0.12	<0.05	0.97	0.278	0.13	0.4	181
R3350		8.8	<0.002	0.06	0.13	31.4	<1	0.4	114.0	0.12	<0.05	1.02	0.278	0.13	0.4	174





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Project: Elk Lake Mapes – ELM21006

**CERTIFICATE OF ANALYSIS SD21135322**

Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Cu-OG62 Cu % 0.001	Ni-OG62 Ni % 0.001	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
R3335		0.2	10.9	155	39.7			72.1	99.3
R3336		0.6	10.4	64	34.7				96.5
R3337		0.4	11.3	76	38.4				98.7
R3338		0.2	11.5	64	39.1				
R3339		0.2	13.0	82	33.8				
R3340		0.2	11.4	92	32.7				89.2
R3341		2.2	9.3	135	48.9	1.610	4.60		
R3342		3.2	8.6	408	24.8				
R3343		0.2	9.4	71	30.5				
R3344		0.6	8.9	66	30.0				
R3345		0.6	11.6	59	34.7				
R3346		0.2	8.4	64	28.4			75.4	
R3347		0.2	9.7	64	33.7				
R3348		0.4	11.4	68	34.5				
R3349		0.2	10.3	74	39.1				
R3350		1.1	10.5	89	38.2				



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Project: Elk Lake Mapes – ELM21006

**CERTIFICATE OF ANALYSIS SD21135322**

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



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**CERTIFICATE SD21135325**

Project: Elk Lake Mapes – ELM21007  
 P.O. No.: ELM21007  
 This report is for 48 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 28-MAY-2021.  
 The following have access to data associated with this certificate:

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Co-OG62	Ore Grade Co – Four Acid	
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: Elk Lake Mapes – ELM21007

**CERTIFICATE OF ANALYSIS SD21135325**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
R3351		1.22	0.08	8.00	1.2	140	0.24	0.03	7.13	0.08	8.70	38.0	78	0.98	109.0	5.74
R3352		1.25	1.29	7.34	24.5	130	0.96	0.44	4.23	16.10	9.58	2520	72	1.07	1440	11.05
R3353		0.56	0.01	0.09	0.7	10	0.08	0.01	31.0	0.03	0.92	2.4	2	<0.05	3.0	0.17
R3354		1.70	0.06	8.18	1.6	150	0.26	0.04	7.34	0.12	8.73	39.9	82	0.92	107.0	5.82
R3355		1.30	0.08	7.50	1.5	150	0.88	0.08	5.68	0.07	10.80	82.6	86	1.07	78.1	8.41
R3356		1.76	0.17	6.76	1.8	60	1.34	0.09	2.07	0.18	32.8	35.0	62	0.61	76.5	8.91
R3357		1.69	0.05	7.05	1.9	110	0.42	0.06	6.14	0.06	6.40	64.9	96	1.25	84.8	7.10
R3358		2.64	0.04	7.37	1.2	100	0.24	0.04	6.78	0.07	6.87	55.5	111	1.41	70.6	6.35
R3359		0.87	0.06	7.92	2.0	110	0.69	0.11	5.62	0.06	8.68	74.4	115	1.41	98.7	8.25
R3360		0.99	0.06	7.68	2.1	120	0.62	0.10	5.69	0.05	8.50	66.9	110	1.41	100.5	7.56
R3361		0.08	0.78	6.78	2.2	240	0.97	0.07	5.45	0.76	35.8	>10000	164	0.66	1860	6.82
R3362		2.54	0.04	7.78	2.2	130	0.34	0.05	6.81	0.06	8.00	69.6	124	1.46	85.9	6.64
R3363		1.19	0.08	7.21	4.8	110	1.60	0.21	3.89	0.13	9.52	306	130	1.33	92.3	9.44
R3364		1.72	0.04	8.15	1.6	100	0.20	0.04	7.29	0.07	8.32	55.5	135	1.55	77.1	6.33
R3365		1.62	0.05	8.12	1.4	100	0.25	0.04	8.24	0.10	7.14	55.6	110	1.75	77.3	6.32
R3366		1.30	0.07	7.32	3.2	90	0.46	0.11	7.57	0.10	32.2	196.5	95	1.24	141.0	6.43
R3367		1.83	0.04	7.79	1.3	90	0.20	0.04	7.09	0.10	7.33	51.9	116	1.49	72.4	5.92
R3368		2.39	0.05	6.63	3.9	110	0.71	0.09	5.41	0.15	7.77	55.2	94	1.24	53.0	6.59
R3369		1.29	0.05	8.00	0.9	90	0.26	0.03	7.21	0.10	10.55	50.7	107	1.49	86.6	6.33
R3370		1.14	0.08	8.20	2.2	150	0.37	0.08	7.23	0.07	10.65	48.8	143	1.14	111.5	6.39
R3371		1.74	0.05	8.10	1.0	90	0.28	0.02	7.58	0.12	11.10	46.5	155	1.17	79.0	6.12
R3372		1.29	0.05	8.00	2.4	110	0.45	0.04	7.11	0.11	12.25	44.8	146	1.08	82.3	6.62
R3373		1.77	0.05	7.80	3.2	140	0.64	0.13	5.96	0.06	11.75	59.2	144	1.38	94.6	7.14
R3374		1.40	0.06	7.39	2.5	130	0.51	0.05	6.26	0.08	9.32	90.4	138	1.10	102.5	7.05
R3375		0.60	<0.01	0.09	<0.2	30	0.06	<0.01	32.5	0.02	0.90	0.9	2	<0.05	1.6	0.14
R3376		1.72	0.05	7.41	1.4	110	0.33	0.04	7.38	0.09	12.00	51.7	142	1.59	88.0	6.85
R3377		2.72	0.13	7.35	2.3	130	0.43	0.09	6.76	0.22	10.60	54.3	144	1.52	528	8.03
R3378		2.48	0.06	7.49	2.7	130	1.18	0.18	5.16	0.04	9.45	70.8	158	1.28	89.5	10.30
R3379		0.47	0.05	7.64	0.7	30	0.28	0.07	5.50	0.11	10.10	51.4	151	0.47	50.7	8.34
R3380		0.50	0.06	7.46	1.3	20	0.28	0.07	4.99	0.09	10.35	51.9	151	0.43	54.5	8.21
R3381		0.13	4.17	5.43	13.2	110	0.59	0.96	3.53	2.08	16.15	982	265	0.76	>10000	17.75
R3382		1.22	0.06	7.67	4.0	130	0.59	0.13	6.88	0.21	13.15	89.2	109	1.59	98.2	7.31
R3383		2.36	0.06	7.52	2.4	130	0.33	0.08	7.32	0.10	11.85	59.5	117	1.61	188.5	7.33
R3384		1.57	0.08	7.16	3.5	110	0.73	0.09	6.77	0.11	18.75	71.1	123	1.59	320	7.58
R3385		1.96	0.05	7.24	2.8	150	0.33	0.07	7.07	0.07	11.30	52.6	134	1.79	96.1	7.14
R3386		1.80	10.35	7.57	256	70	1.54	8.85	7.31	0.04	20.0	189.5	113	1.31	944	7.03
R3387		0.60	0.01	0.09	<0.2	20	0.06	0.04	33.8	0.02	0.98	1.8	1	<0.05	4.6	0.13
R3388		1.05	0.12	7.90	132.0	80	1.41	1.12	6.45	0.03	12.55	110.0	138	1.09	126.0	6.72
R3389		2.43	0.10	7.24	4.0	80	1.82	0.16	9.64	0.04	20.7	45.9	119	1.10	219	6.32
R3390		2.46	0.08	7.52	2.4	100	1.72	0.19	9.34	0.37	19.00	41.8	126	1.15	123.0	6.13

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



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 Finalized Date: 16-JUN-2021  
 Account: BMRPLLW

Project: Elk Lake Mapes - ELM21007

**CERTIFICATE OF ANALYSIS SD21135325**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3351		15.35	0.08	1.0	0.037	0.94	4.0	24.8	3.42	1080	0.58	1.33	1.7	86.8	180	5.2
R3352		15.90	0.12	1.0	0.064	0.86	4.4	39.5	3.58	1130	1.17	1.67	1.5	171.5	210	1020
R3353		0.32	<0.05	<0.1	0.005	0.01	1.1	1.3	2.57	134	0.05	0.03	0.1	1.2	60	3.2
R3354		15.55	0.07	1.2	0.036	0.94	3.9	30.1	3.50	1140	0.55	1.34	1.7	89.6	200	7.9
R3355		16.45	0.06	1.5	0.050	0.87	4.8	34.6	3.34	1320	1.39	1.98	2.2	77.5	220	26.4
R3356		19.10	0.10	3.9	0.044	0.37	13.8	23.5	1.95	723	1.95	3.39	6.5	33.1	640	91.8
R3357		13.80	0.06	0.7	0.032	0.63	3.1	25.1	5.83	1060	0.49	1.16	1.3	289	150	6.3
R3358		13.00	0.06	0.8	0.034	0.56	3.2	18.9	5.97	1090	0.30	1.03	1.3	295	160	3.5
R3359		14.60	0.08	0.9	0.052	0.72	4.4	26.8	5.50	959	1.35	1.48	1.4	245	150	11.3
R3360		14.95	0.07	0.9	0.048	0.77	4.3	28.2	5.50	956	0.85	1.36	1.5	253	160	7.2
R3361		18.05	0.12	3.2	0.059	0.64	17.1	6.7	3.54	929	2.46	2.07	20.4	>10000	1420	16.8
R3362		14.10	0.08	0.9	0.038	0.80	3.7	23.9	6.00	1010	0.30	1.11	1.4	301	180	9.0
R3363		15.65	0.08	0.9	0.070	0.81	5.4	38.9	4.69	921	1.04	1.72	1.4	213	120	10.4
R3364		13.85	0.05	0.9	0.035	0.60	3.9	18.0	5.76	1040	0.26	1.10	1.3	270	170	3.5
R3365		13.30	0.06	0.8	0.031	0.49	3.3	19.6	6.11	1090	0.27	1.07	1.3	302	160	4.7
R3366		13.40	0.08	0.9	0.074	0.50	12.0	25.6	5.33	1060	0.34	1.18	1.3	269	140	15.8
R3367		13.20	0.05	0.9	0.037	0.41	3.4	18.2	5.82	1020	0.29	1.01	1.4	276	170	6.2
R3368		14.05	0.08	0.9	0.054	0.72	3.2	33.2	6.16	1030	0.23	1.36	1.8	232	120	3.8
R3369		14.50	0.08	1.1	0.039	0.53	4.9	13.0	5.09	1100	0.45	1.19	1.7	211	200	3.5
R3370		14.65	0.06	1.1	0.044	0.99	4.8	19.4	5.10	1100	0.31	1.31	1.8	190.0	220	4.6
R3371		13.95	0.07	1.2	0.041	0.51	5.1	14.0	4.75	1120	0.34	1.24	1.8	166.5	220	4.4
R3372		14.95	0.08	1.6	0.045	0.78	5.7	18.9	4.63	1050	0.33	1.40	2.0	134.0	220	26.1
R3373		14.95	0.09	1.2	0.060	1.18	5.6	27.8	5.14	1020	0.38	1.44	1.8	173.5	200	11.3
R3374		13.80	0.06	1.1	0.046	0.97	4.4	20.5	4.89	1040	0.31	1.32	1.6	179.5	200	4.5
R3375		0.21	<0.05	0.1	<0.005	0.01	1.1	1.6	1.67	109	<0.05	0.02	0.1	1.6	60	0.6
R3376		14.55	0.16	1.2	0.041	0.78	5.5	18.5	5.42	1180	0.37	1.19	1.8	207	210	4.3
R3377		14.40	0.15	1.2	0.052	0.89	4.9	23.8	5.38	1080	0.92	1.21	1.8	204	200	5.8
R3378		17.80	0.16	1.1	0.056	0.87	4.7	44.3	5.26	932	1.28	1.72	2.0	181.5	200	6.4
R3379		14.10	0.15	1.2	0.039	0.12	4.6	35.7	5.36	1260	0.30	2.59	1.7	171.5	210	13.6
R3380		13.80	0.14	1.2	0.039	0.11	4.7	37.3	5.29	1250	0.28	2.59	1.7	182.0	190	13.8
R3381		12.00	0.41	1.2	0.112	0.30	7.3	10.0	4.04	990	4.69	1.17	4.9	>10000	450	13.8
R3382		15.30	0.14	1.2	0.047	0.77	6.2	22.1	5.85	1190	0.30	1.23	1.8	268	210	11.5
R3383		14.65	0.16	1.2	0.051	0.75	5.5	25.1	6.02	1260	0.39	1.24	1.8	253	220	4.9
R3384		15.25	0.16	1.1	0.073	0.79	8.8	28.8	5.57	1240	0.35	1.36	2.0	237	190	12.6
R3385		14.00	0.16	1.1	0.048	1.08	5.2	36.5	5.70	1280	0.38	1.10	1.8	221	210	3.8
R3386		18.50	0.15	1.4	0.193	0.49	9.7	48.6	4.37	1740	106.5	2.68	2.3	179.5	290	20.2
R3387		0.29	0.08	<0.1	<0.005	0.01	1.1	1.5	1.47	111	0.27	0.03	0.1	1.9	70	0.7
R3388		15.70	0.11	1.2	0.079	0.87	6.3	46.6	4.46	1430	7.60	2.29	1.9	189.0	220	4.7
R3389		15.55	0.12	1.2	0.154	1.20	10.2	36.8	3.40	1580	0.57	2.02	1.9	147.5	200	6.3
R3390		15.05	0.10	1.2	0.148	1.29	9.3	41.5	3.66	1720	0.38	1.91	1.8	145.0	220	12.4

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Project: Elk Lake Mapes – ELM21007

**CERTIFICATE OF ANALYSIS SD21135325**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
R3351		18.9	<0.002	0.06	0.09	27.5	<1	0.5	168.5	0.11	<0.05	1.01	0.279	0.28	0.4	172
R3352		20.5	0.005	4.57	0.18	26.3	10	1.8	96.9	0.11	0.33	0.94	0.258	0.22	0.7	154
R3353		0.3	<0.002	<0.01	0.06	0.5	<1	<0.2	71.3	<0.05	<0.05	0.08	0.006	<0.02	0.1	2
R3354		18.5	<0.002	0.06	0.11	27.8	<1	0.4	173.5	0.13	<0.05	0.92	0.301	0.25	0.3	182
R3355		19.3	<0.002	0.17	0.25	25.7	<1	2.7	114.0	0.17	<0.05	1.51	0.274	0.19	0.9	161
R3356		17.2	<0.002	0.15	0.14	22.2	<1	3.0	83.3	0.50	<0.05	5.29	0.409	0.09	3.3	96
R3357		21.7	<0.002	0.09	0.17	20.7	<1	0.6	107.5	0.09	<0.05	0.62	0.227	0.17	0.4	152
R3358		17.6	<0.002	0.05	0.11	22.9	<1	0.4	115.5	0.09	<0.05	0.72	0.244	0.18	0.3	157
R3359		35.5	<0.002	0.18	0.16	27.0	<1	1.9	102.0	0.10	<0.05	1.09	0.243	0.15	0.8	155
R3360		37.8	<0.002	0.13	0.18	26.2	<1	1.3	108.0	0.09	0.06	0.97	0.242	0.19	0.8	152
R3361		19.5	0.002	2.52	1.87	19.8	<1	1.3	399	1.15	<0.05	2.45	0.995	0.08	0.6	143
R3362		28.5	<0.002	0.06	0.17	25.6	<1	0.4	121.5	0.10	<0.05	0.77	0.260	0.22	0.3	165
R3363		26.4	0.003	0.95	0.46	24.2	1	1.8	68.9	0.10	0.09	0.92	0.221	0.14	1.1	139
R3364		22.8	<0.002	0.05	0.11	25.0	<1	0.4	126.5	0.09	<0.05	0.83	0.252	0.18	0.3	161
R3365		16.0	<0.002	0.05	0.12	25.3	<1	0.3	125.5	0.09	<0.05	0.78	0.247	0.16	0.3	154
R3366		22.7	<0.002	0.61	0.18	26.4	1	0.3	95.1	0.10	0.07	1.00	0.217	0.13	0.6	135
R3367		12.3	<0.002	0.05	0.09	26.2	1	0.4	123.0	0.09	<0.05	0.81	0.251	0.10	0.3	155
R3368		30.4	<0.002	0.08	0.40	25.5	<1	0.7	86.3	0.11	<0.05	0.82	0.250	0.11	0.4	155
R3369		21.2	<0.002	0.06	0.10	30.4	<1	0.5	134.5	0.13	<0.05	1.11	0.284	0.12	0.4	174
R3370		41.7	<0.002	0.06	0.26	33.4	<1	0.6	122.0	0.13	<0.05	1.14	0.290	0.23	0.4	181
R3371		21.7	<0.002	0.06	0.09	32.5	<1	0.4	128.5	0.12	<0.05	1.26	0.309	0.15	0.4	187
R3372		40.9	<0.002	0.07	0.19	35.0	<1	0.6	111.5	0.15	<0.05	1.80	0.317	0.15	0.6	193
R3373		62.7	<0.002	0.11	0.34	35.3	<1	0.6	92.9	0.12	<0.05	1.32	0.305	0.19	0.8	186
R3374		35.9	<0.002	0.15	0.20	31.2	1	0.5	104.5	0.12	<0.05	1.04	0.296	0.21	0.5	188
R3375		0.4	<0.002	<0.01	<0.05	0.4	1	<0.2	77.2	<0.05	<0.05	0.06	0.006	<0.02	0.1	1
R3376		35.6	<0.002	0.06	0.16	26.0	1	0.5	117.5	0.13	<0.05	1.50	0.313	0.21	0.5	193
R3377		42.1	<0.002	0.15	0.19	32.9	1	1.6	103.5	0.14	<0.05	1.25	0.305	0.22	0.5	188
R3378		40.1	<0.002	0.21	0.34	29.3	1	4.8	85.0	0.14	0.05	1.27	0.299	0.16	1.3	192
R3379		3.9	<0.002	0.06	0.10	33.7	1	0.6	84.0	0.13	<0.05	1.34	0.306	0.05	0.4	185
R3380		3.4	<0.002	0.06	0.10	28.0	1	0.5	79.8	0.13	<0.05	1.35	0.297	0.06	0.4	182
R3381		10.6	0.050	8.29	3.10	8.8	21	2.8	182.0	0.32	4.36	1.02	0.535	0.16	0.3	80
R3382		35.5	0.002	0.22	0.21	32.0	1	0.5	108.0	0.13	0.06	1.28	0.307	0.18	0.6	189
R3383		33.6	<0.002	0.08	0.18	35.1	1	0.5	116.5	0.14	<0.05	1.50	0.311	0.19	0.5	195
R3384		36.5	<0.002	0.16	0.29	27.0	1	0.6	96.7	0.14	<0.05	1.35	0.310	0.15	0.8	201
R3385		46.0	<0.002	0.06	0.16	34.2	1	0.5	100.0	0.14	<0.05	1.35	0.318	0.21	0.4	200
R3386		23.0	0.054	0.17	0.76	32.7	1	1.2	47.1	0.17	0.06	1.88	0.373	0.24	3.1	232
R3387		0.3	<0.002	0.01	0.07	0.3	1	<0.2	77.1	<0.05	<0.05	0.07	0.006	<0.02	0.1	1
R3388		34.5	0.002	0.06	0.93	35.9	1	0.7	63.7	0.14	<0.05	1.41	0.341	0.14	0.5	219
R3389		57.9	<0.002	0.10	0.26	34.0	1	1.0	89.4	0.14	<0.05	1.38	0.310	0.17	0.5	198
R3390		57.6	<0.002	0.06	0.20	35.2	<1	0.9	103.0	0.14	<0.05	1.36	0.330	0.20	0.5	207



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 Account: BMRPLLW

Project: Elk Lake Mapes – ELM21007

**CERTIFICATE OF ANALYSIS SD21135325**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Co-OG62	Cu-OG62	Ni-OG62	Au-ICP21	CRU-QC	PUL-QC
		W	Y	Zn	Zr	Co	Cu	Ni	Au	Pass2mm	Pass75um
		ppm	ppm	ppm	ppm	%	%	%	ppm	%	%
		0.1	0.1	2	0.5	0.0005	0.001	0.001	0.001	0.01	0.01
R3351		0.2	10.1	70	38.1				0.005	71.1	92.2
R3352		1.3	9.5	3910	34.3				0.684		91.2
R3353		0.1	2.3	10	1.5				0.002		
R3354		0.2	10.4	81	37.5				0.006		
R3355		2.0	11.0	78	53.1				0.007		
R3356		3.1	34.0	89	136.5				0.002		
R3357		0.7	8.3	65	25.7				0.003		
R3358		0.2	8.5	67	28.2				0.003		
R3359		2.9	10.2	56	30.0				0.005		
R3360		1.5	10.2	56	33.7				0.003		
R3361		1.6	20.8	123	128.5	2.05		2.24	0.041		
R3362		0.3	9.5	61	30.4				0.004		
R3363		1.9	12.5	87	32.5				0.007		
R3364		0.2	10.0	58	31.8				0.001		
R3365		0.2	9.0	74	27.1				0.002		
R3366		0.2	29.2	71	32.9				0.005		
R3367		0.2	9.4	69	30.7				0.001		
R3368		0.1	17.2	87	33.0				0.001		
R3369		0.2	11.7	73	39.5				<0.001		
R3370		0.2	13.2	67	41.9				0.001		
R3371		0.2	12.3	73	41.6				<0.001		
R3372		0.3	14.4	68	55.0				<0.001		
R3373		0.3	16.1	63	42.1				0.007		
R3374		0.3	10.9	62	40.7				0.006		
R3375		<0.1	2.0	5	1.5				0.002		
R3376		0.2	13.7	71	46.0				0.005		
R3377		2.2	12.0	78	41.0				0.004		
R3378		11.5	11.1	72	40.4				0.010		
R3379		1.9	12.0	117	42.4				<0.001		
R3380		1.8	11.9	117	43.5				0.001		
R3381		2.8	9.5	140	48.0		1.595	4.59	0.295		
R3382		0.2	14.0	107	42.7				0.006		
R3383		0.2	13.4	79	44.9				0.006		
R3384		0.2	18.9	78	40.7				0.002		
R3385		0.2	12.9	84	38.2				0.001		
R3386		2.3	20.9	70	52.5				0.033		
R3387		<0.1	2.1	5	1.6				<0.001		
R3388		0.9	12.7	73	43.7				<0.001		
R3389		0.8	22.1	54	40.7				0.045		
R3390		0.7	17.2	145	43.5				<0.001	71.8	91.8



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Project: Elk Lake Mapes – ELM21007

**CERTIFICATE OF ANALYSIS SD21135325**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R3391		2.46	0.08	7.74	1.5	140	1.19	0.09	7.70	0.08	13.55	45.1	129	1.69	104.0	6.70
R3392		1.38	0.06	7.86	2.2	130	0.41	0.06	7.06	0.08	13.75	45.8	130	1.04	92.4	7.31
R3393		2.35	0.09	7.62	2.8	150	0.37	0.06	6.82	0.21	13.20	44.1	114	1.39	106.5	7.14
R3394		2.24	0.08	7.51	3.5	150	0.36	0.07	6.71	0.09	13.40	44.8	106	0.84	96.9	7.30
R3395		2.54	0.05	7.59	3.5	230	1.58	0.06	3.47	0.03	55.0	26.0	108	1.01	100.5	5.32
R3396		2.37	<0.01	8.82	1.8	80	1.77	0.01	1.24	<0.02	85.8	13.4	120	0.25	1.3	3.26
R3397		2.39	<0.01	8.86	2.2	570	2.07	0.02	0.33	<0.02	86.6	10.7	125	1.05	1.5	5.15
R3398		2.28	0.02	8.99	2.5	550	2.20	0.03	0.33	<0.02	54.6	9.9	120	1.16	0.7	4.34





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Project: Elk Lake Mapes – ELM21007

**CERTIFICATE OF ANALYSIS SD21135325**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3391		15.00	0.11	1.3	0.073	1.32	6.6	34.1	4.25	1480	0.50	1.51	2.0	161.0	230	4.6
R3392		15.65	0.12	1.4	0.059	1.49	6.1	28.0	4.94	1280	0.34	1.53	2.1	133.5	240	19.7
R3393		14.95	0.12	1.3	0.050	1.44	6.2	24.6	4.47	1310	0.30	1.32	2.0	110.0	250	10.1
R3394		15.35	0.13	1.4	0.054	1.10	6.0	28.3	4.46	1270	0.34	1.56	2.1	106.5	240	7.0
R3395		21.7	0.15	2.9	0.042	1.45	26.7	32.8	2.57	573	0.45	3.75	5.7	77.9	510	12.8
R3396		26.5	0.23	3.8	0.030	0.31	41.2	31.5	1.61	252	0.16	6.73	9.3	74.8	790	2.3
R3397		26.2	0.26	3.8	0.021	3.62	38.2	33.8	1.76	81	0.38	2.31	5.1	61.5	900	1.5
R3398		24.8	0.25	3.6	0.021	3.38	25.2	33.6	1.66	81	0.20	2.89	6.3	73.4	890	1.7



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Project: Elk Lake Mapes – ELM21007

**CERTIFICATE OF ANALYSIS SD21135325**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3391		52.3	0.002	0.07	0.17	36.5	1	0.7	109.5	0.15	<0.05	1.48	0.353	0.24	0.5	218
R3392		65.5	<0.002	0.08	0.23	38.2	1	0.6	117.0	0.15	0.05	1.51	0.364	0.28	0.5	226
R3393		62.1	<0.002	0.08	0.22	37.0	1	0.6	114.5	0.16	0.06	1.53	0.366	0.30	0.5	220
R3394		46.0	<0.002	0.08	0.18	37.4	1	0.6	126.5	0.16	<0.05	1.54	0.368	0.24	0.5	224
R3395		23.8	<0.002	0.03	0.28	24.0	1	1.1	101.5	0.54	<0.05	8.50	0.356	0.17	3.1	156
R3396		9.2	<0.002	<0.01	0.26	18.5	1	0.7	80.0	0.81	<0.05	16.05	0.402	0.04	2.8	126
R3397		108.0	<0.002	<0.01	0.31	15.8	<1	2.2	43.9	0.45	<0.05	12.45	0.222	0.33	3.8	124
R3398		106.0	<0.002	<0.01	0.34	16.5	1	1.4	48.1	0.56	0.05	13.70	0.278	0.34	5.5	123



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Project: Elk Lake Mapes – ELM21007

**CERTIFICATE OF ANALYSIS SD21135325**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Co-OG62	Cu-OG62	Ni-OG62	Au-ICP21	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Co %	Cu %	Ni %	Au ppm	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.0005	0.001	0.001	0.001	0.01	0.01
R3391		0.4	14.6	81	46.9				0.001		89.7
R3392		0.2	15.8	86	49.6				<0.001		
R3393		0.3	14.7	109	49.5				<0.001		90.0
R3394		0.3	15.0	83	49.9				0.001		
R3395		0.5	17.9	41	103.0				<0.001	75.6	
R3396		0.6	17.2	16	139.5				<0.001		92.6
R3397		0.7	15.3	7	134.5				<0.001		
R3398		0.7	15.7	7	132.0				<0.001		



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**CERTIFICATE OF ANALYSIS SD21135325**

	<b>CERTIFICATE COMMENTS</b>								
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;">LOG-24</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-24	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-24						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">Co-OG62</td> <td style="width: 33%;">Cu-OG62</td> <td style="width: 15%;">ME-MS61</td> </tr> <tr> <td>ME-OG62</td> <td>Ni-OG62</td> <td></td> <td></td> </tr> </table>	Au-ICP21	Co-OG62	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62		
Au-ICP21	Co-OG62	Cu-OG62	ME-MS61						
ME-OG62	Ni-OG62								



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**CERTIFICATE SD21145881**

Project: Elk Lake Mapes-ELM21008  
 P.O. No.: ELM21008  
 This report is for 13 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 8-JUN-2021.  
 The following have access to data associated with this certificate:

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

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Co-OG62	Ore Grade Co – Four Acid	
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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Project: Elk Lake Mapes-ELM21008

**CERTIFICATE OF ANALYSIS SD21145881**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R3399		0.60	0.05	8.24	2.2	170	0.27	0.06	6.81	0.12	8.97	36.1	117	0.80	112.5	6.32
R3400		0.83	0.05	8.42	1.8	170	0.31	0.07	6.81	0.13	9.67	39.5	114	0.86	146.5	6.35
R3401		0.08	0.81	7.34	2.5	260	1.02	0.05	5.59	0.82	39.9	>10000	179	0.76	1955	7.40
R3402		2.17	0.04	7.55	6.1	40	0.22	0.04	5.73	0.23	8.09	48.6	111	0.73	27.6	6.45
R3403		1.30	0.04	7.29	1.6	100	0.56	0.06	6.81	0.03	10.65	53.1	99	1.09	91.6	8.36
R3404		1.68	0.05	7.05	4.2	140	0.40	0.12	5.86	0.06	8.59	64.1	106	1.45	143.0	7.97
R3405		1.14	0.03	7.85	1.1	80	0.26	0.02	7.84	0.06	10.55	41.6	169	0.87	66.1	5.79
R3406		2.56	0.04	7.74	0.6	90	0.26	0.03	7.60	0.09	10.40	46.6	160	0.89	77.3	6.22
R3407		2.57	0.05	7.75	0.7	90	0.27	0.03	7.62	0.08	10.30	50.1	151	0.98	83.4	6.47
R3408		1.85	0.08	7.85	5.7	120	0.34	0.03	7.97	0.09	10.70	55.5	160	1.03	96.2	7.39
R3409		1.89	4.11	7.04	5380	30	1.47	39.1	9.49	<0.02	23.4	3660	127	0.39	998	5.89
R3410		1.93	0.13	7.96	32.0	120	0.58	0.11	7.20	0.02	11.15	60.9	145	1.06	103.5	6.80
R3411		1.73	0.09	7.12	11.0	110	0.95	0.19	7.81	0.05	26.2	146.5	138	0.99	111.0	7.21



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**CERTIFICATE OF ANALYSIS SD21145881**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3399		16.45	0.10	1.2	0.047	0.91	3.8	25.2	3.81	1180	1.02	1.87	1.8	96.7	190	14.8
R3400		17.05	0.11	1.4	0.050	0.91	4.2	26.8	3.76	1190	0.71	1.89	1.8	93.2	180	20.2
R3401		19.95	0.17	3.5	0.067	0.69	19.2	7.4	3.80	983	3.01	2.26	22.4	>10000	1480	18.1
R3402		12.20	0.11	0.9	0.031	0.13	3.7	47.6	5.75	1040	0.35	2.34	1.4	280	160	4.7
R3403		14.35	0.12	1.0	0.057	0.60	4.7	30.8	5.70	1030	1.47	1.21	1.7	284	480	4.2
R3404		13.90	0.14	1.0	0.047	0.95	4.4	29.3	6.53	967	0.92	1.00	1.4	325	170	3.7
R3405		13.55	0.11	1.2	0.038	0.45	4.9	24.1	5.22	987	0.44	1.25	1.8	187.0	210	3.7
R3406		13.75	0.11	1.1	0.042	0.53	4.9	23.6	5.15	1070	0.31	1.29	1.7	192.5	190	2.4
R3407		13.70	0.11	1.1	0.039	0.53	4.8	28.3	5.30	1080	0.31	1.35	1.7	201	190	2.6
R3408		14.35	0.12	1.2	0.045	0.79	5.0	30.2	6.02	1340	0.35	1.33	1.8	249	210	3.7
R3409		15.25	0.10	1.0	0.215	0.28	11.4	44.3	3.47	1300	188.5	2.95	1.7	509	200	50.6
R3410		14.35	0.08	1.2	0.047	1.09	5.4	30.6	5.45	1440	0.98	1.53	1.8	214	210	3.8
R3411		14.85	0.13	1.1	0.083	1.10	12.2	32.2	4.60	1240	0.84	1.64	1.9	188.0	330	4.2

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



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 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21008

**CERTIFICATE OF ANALYSIS SD21145881**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3399		16.9	0.002	0.06	0.27	26.8	1	0.7	152.5	0.13	<0.05	1.43	0.289	0.26	0.6	177
R3400		19.5	0.003	0.07	0.30	28.2	<1	0.7	154.0	0.15	<0.05	1.70	0.285	0.28	0.7	177
R3401		20.5	0.002	2.64	2.05	19.9	1	1.5	424	1.26	<0.05	2.72	1.040	0.11	0.6	150
R3402		3.2	0.002	0.04	0.11	20.0	1	0.4	133.0	0.09	<0.05	0.87	0.241	0.04	0.3	149
R3403		20.9	<0.002	0.07	0.24	25.0	1	4.7	120.0	0.11	<0.05	1.30	0.236	0.13	0.6	155
R3404		39.4	<0.002	0.10	0.56	19.0	1	1.1	94.5	0.10	<0.05	0.90	0.236	0.19	0.8	144
R3405		13.8	0.002	0.05	0.11	28.8	1	0.5	126.5	0.13	<0.05	1.31	0.282	0.11	0.4	171
R3406		15.6	<0.002	0.05	0.09	30.3	1	0.5	132.0	0.13	<0.05	1.22	0.270	0.13	0.4	171
R3407		15.9	<0.002	0.06	0.11	30.4	1	0.5	131.0	0.13	<0.05	1.13	0.285	0.13	0.4	179
R3408		23.3	0.002	0.06	0.77	26.0	1	0.5	140.0	0.13	<0.05	1.15	0.309	0.20	0.4	198
R3409		11.7	0.063	0.62	10.55	29.9	2	1.5	58.3	0.13	0.12	1.13	0.263	0.61	2.8	200
R3410		42.6	0.002	0.06	0.87	31.4	1	0.5	111.0	0.13	<0.05	1.29	0.307	0.22	0.4	188
R3411		53.2	0.002	0.47	0.39	31.9	1	0.8	100.5	0.13	0.07	1.24	0.292	0.23	0.6	181





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Project: Elk Lake Mapes-ELM21008

**CERTIFICATE OF ANALYSIS SD21145881**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Co-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Co %	Ni %	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.0005	0.001	0.01	0.01
R3399		0.2	11.0	89	41.8			78.8	92.4
R3400		0.3	11.7	92	45.6				93.6
R3401		1.9	21.9	124	140.5	1.985	2.17		
R3402		0.2	9.9	105	32.4				
R3403		12.5	13.1	60	35.6				
R3404		0.6	8.9	71	33.1				
R3405		0.2	11.3	57	43.4				
R3406		0.2	11.4	61	42.8				
R3407		0.2	11.5	63	41.8				
R3408		0.2	11.9	74	43.3				
R3409		1.2	23.1	61	38.0				
R3410		0.2	12.5	72	43.2				
R3411		0.7	21.8	57	43.9				



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**CERTIFICATE OF ANALYSIS SD21145881**

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



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**CERTIFICATE SD21145883**

Project: Elk Lake Mapes-ELM21009  
 P.O. No.: ELM21009  
 This report is for 36 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 8-JUN-2021.  
 The following have access to data associated with this certificate:

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

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Co-OG62	Ore Grade Co – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	
As-OG62	Ore Grade As – 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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Project: Elk Lake Mapes-ELM21009

**CERTIFICATE OF ANALYSIS SD21145883**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
R3412		2.05	0.05	8.26	1.9	110	0.61	0.09	6.27	0.05	10.10	43.5	55	0.75	82.8	6.73
R3413		1.36	0.09	7.79	2.5	120	0.57	0.12	5.93	0.06	10.45	104.0	83	1.02	227	10.05
R3414		1.24	0.13	8.03	2.4	160	0.76	0.12	5.35	0.08	18.15	58.9	128	1.51	132.5	9.09
R3415		1.29	0.26	7.31	4.9	160	0.48	0.23	6.12	0.64	21.3	301	126	1.11	104.0	12.20
R3416		1.76	0.08	8.31	1.7	120	0.29	0.03	6.99	0.12	9.39	39.5	123	0.89	86.2	5.96
R3417		2.28	0.07	9.01	2.9	120	0.29	0.03	8.04	0.11	10.05	43.9	126	0.99	95.9	6.55
R3418		1.83	0.61	8.53	19.5	110	0.31	0.03	6.90	0.08	8.99	37.6	112	0.95	89.0	5.90
R3419		0.51	14.55	7.28	>10000	50	1.42	37.2	9.83	<0.02	20.4	6220	87	1.45	1320	5.57
R3420		0.61	13.25	7.31	8950	50	1.34	40.6	10.90	<0.02	21.4	4960	88	1.43	1135	5.90
R3421		0.09	0.79	5.95	6.3	210	0.86	0.10	4.75	1.84	32.0	>10000	147	0.63	4460	6.11
R3422		0.63	0.07	0.08	44.3	20	0.05	0.16	33.6	<0.02	0.92	24.9	2	<0.05	4.7	0.12
R3423		2.36	0.30	8.63	23.1	110	0.38	0.10	7.01	0.10	9.24	51.4	121	1.04	92.6	5.91
R3424		2.40	0.10	8.59	3.9	110	0.29	0.04	7.45	0.11	9.17	40.2	124	0.89	86.9	5.93
R3425		0.56	<0.01	0.10	0.6	10	0.08	0.01	32.4	<0.02	0.91	4.3	2	<0.05	2.2	0.14
R3426		1.18	0.45	7.94	13.9	100	1.10	0.25	6.11	0.34	13.60	837	133	1.58	306	7.76
R3427		1.14	0.09	8.51	3.5	130	0.29	0.03	7.18	0.07	11.65	42.4	152	1.16	90.5	6.25
R3428		1.34	0.11	8.23	2.2	160	0.44	0.07	6.98	0.14	17.85	52.4	152	1.31	82.3	7.68
R3429		2.29	0.09	8.34	2.1	170	0.42	0.06	6.67	0.05	9.20	47.7	162	0.90	98.9	6.56
R3430		0.94	0.29	6.68	5.1	50	0.97	0.18	5.04	0.69	17.50	309	121	1.14	122.5	13.35
R3431		1.99	0.08	7.85	3.1	140	0.42	0.07	6.18	0.04	10.55	63.9	164	0.66	116.0	6.56
R3432		0.95	0.34	8.02	12.9	190	0.34	0.12	6.88	0.04	10.25	155.0	171	0.93	294	6.85
R3433		1.40	0.62	6.91	8.6	150	0.66	0.31	6.17	1.08	12.65	531	159	1.20	150.0	13.25
R3434		1.38	0.08	7.83	4.0	260	0.30	0.10	7.27	0.06	9.80	46.0	186	1.15	114.5	6.38
R3435		2.02	0.03	5.32	0.5	70	0.15	0.02	4.78	0.05	5.46	40.2	75	1.11	47.9	4.42
R3436		1.03	0.19	7.28	6.0	120	0.82	0.23	8.26	0.30	26.4	327	98	1.35	128.5	7.99
R3437		1.73	0.04	6.97	1.0	80	0.22	0.03	6.53	0.07	7.76	58.0	114	0.99	57.8	6.93
R3438		1.42	0.06	7.07	3.0	120	0.38	0.08	6.27	0.08	7.93	52.9	102	1.11	100.5	6.50
R3439		0.93	0.04	8.03	1.4	90	0.25	0.03	7.46	0.09	9.36	54.3	101	1.43	78.8	6.50
R3440		0.98	0.05	7.98	1.0	90	0.21	0.03	7.55	0.08	8.39	54.6	103	1.25	76.0	6.63
R3441		0.08	0.82	6.88	2.8	250	0.91	0.05	5.58	0.77	37.6	>10000	164	0.71	1780	7.03
R3442		1.01	0.08	7.45	6.4	70	0.91	0.10	9.13	0.04	40.2	261	89	1.05	67.4	7.97
R3443		2.11	0.04	7.40	1.9	100	0.23	0.04	7.10	0.08	7.59	59.5	100	1.31	75.2	7.02
R3444		1.40	0.08	7.27	2.5	150	0.57	0.07	8.10	0.16	11.85	50.4	144	0.93	241	7.25
R3445		2.46	0.08	7.24	4.2	120	0.37	0.13	6.30	0.23	10.75	85.6	117	1.23	82.4	8.05
R3446		1.77	0.04	7.16	2.3	120	0.36	0.07	6.28	0.06	11.00	56.5	133	1.29	112.5	7.70
R3447		1.29	0.14	6.71	4.5	110	1.10	0.17	5.61	0.03	13.65	139.5	137	1.48	102.0	12.85



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Project: Elk Lake Mapes-ELM21009

**CERTIFICATE OF ANALYSIS SD21145883**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3412		15.95	0.11	1.2	0.052	1.00	4.6	22.9	3.38	912	0.69	1.89	1.8	79.7	220	9.4
R3413		15.50	0.11	1.1	0.050	0.91	5.1	25.2	3.43	937	2.06	1.66	1.9	88.3	180	21.4
R3414		15.70	0.14	1.0	0.068	1.53	7.5	43.8	4.50	1080	1.51	1.72	1.6	93.8	160	97.2
R3415		13.90	0.14	0.9	0.065	1.59	9.2	32.0	3.82	1170	2.74	1.31	1.4	131.0	150	168.0
R3416		14.35	0.10	1.1	0.041	1.38	4.3	26.8	4.10	1120	0.36	1.27	1.7	104.0	190	5.9
R3417		16.55	0.13	1.2	0.045	1.27	4.7	31.0	4.56	1210	0.48	1.40	2.0	139.5	210	6.3
R3418		14.80	0.12	1.1	0.039	1.52	4.1	33.4	3.93	1140	0.47	1.41	1.7	96.2	200	11.0
R3419		14.95	0.10	0.8	0.161	0.65	10.0	65.5	3.10	1270	173.5	2.64	1.4	1310	160	60.2
R3420		14.05	0.10	0.9	0.126	0.72	10.6	56.4	2.91	1240	157.5	2.61	1.4	1695	170	54.8
R3421		15.60	0.32	2.5	0.049	0.57	16.5	5.9	3.10	796	2.99	1.85	18.8	>10000	1220	16.6
R3422		0.25	0.09	<0.1	0.008	0.01	1.1	1.3	2.24	149	1.40	0.03	0.1	7.2	70	0.7
R3423		14.20	0.08	1.0	0.040	1.60	4.3	30.5	3.96	1180	0.74	1.40	1.6	108.5	200	9.1
R3424		14.50	0.10	1.1	0.042	1.46	4.2	24.3	4.02	1100	0.38	1.29	1.7	99.0	180	5.7
R3425		0.27	0.09	<0.1	<0.005	0.02	1.1	1.2	2.05	124	0.11	0.03	0.1	4.6	60	0.5
R3426		14.90	0.10	1.0	0.066	1.40	6.8	41.2	3.73	1200	0.43	1.94	1.5	159.0	180	13.6
R3427		15.55	0.09	1.2	0.045	1.54	5.5	29.0	4.24	1200	0.40	1.39	1.8	105.0	200	4.7
R3428		15.20	0.11	1.2	0.050	1.38	7.3	33.4	4.06	1090	1.43	1.56	1.8	119.0	200	16.9
R3429		14.60	0.10	1.1	0.048	1.40	4.2	30.3	4.06	1080	0.42	1.57	1.7	115.5	200	12.8
R3430		15.15	0.11	2.8	0.060	0.48	8.1	48.1	3.46	938	2.97	2.32	2.6	118.5	160	41.3
R3431		14.80	0.09	1.0	0.053	0.88	5.0	49.6	4.41	1090	0.33	2.25	1.5	156.0	180	5.2
R3432		14.50	0.11	1.0	0.053	0.72	5.0	41.3	4.61	1180	0.59	1.87	1.5	162.5	170	16.0
R3433		13.95	0.10	0.8	0.054	0.91	6.1	29.1	3.87	945	2.87	1.33	1.2	180.0	140	8.7
R3434		14.20	0.12	1.0	0.048	1.10	4.4	34.5	5.00	1120	0.29	1.37	1.6	169.0	180	5.0
R3435		8.49	0.08	0.5	0.024	0.35	2.5	23.0	4.55	748	0.19	0.65	1.0	212	120	3.9
R3436		13.10	0.11	0.8	0.077	0.86	11.4	38.9	5.20	1280	0.64	1.22	1.3	276	160	18.8
R3437		12.70	0.11	0.8	0.036	0.46	3.6	41.7	6.57	1220	0.22	1.06	1.5	308	160	6.0
R3438		14.90	0.12	1.3	0.050	0.58	3.6	32.1	6.26	1040	0.59	1.24	2.0	294	170	10.8
R3439		14.55	0.10	1.0	0.037	0.53	4.5	15.8	6.20	1100	0.42	1.10	1.5	287	180	4.1
R3440		14.45	0.11	0.9	0.040	0.53	3.9	15.2	6.28	1120	0.33	1.13	1.4	299	180	3.5
R3441		19.80	0.27	3.2	0.057	0.66	18.9	6.6	3.63	932	3.62	2.14	20.3	>10000	1430	17.7
R3442		16.10	0.18	1.4	0.116	0.54	17.0	26.9	5.08	1240	0.30	1.69	1.6	270	200	5.1
R3443		14.50	0.11	1.0	0.041	0.54	3.5	21.5	6.52	1120	0.29	1.11	1.5	310	170	3.8
R3444		15.20	0.12	1.0	0.052	1.07	5.8	20.4	4.76	1140	1.09	1.35	1.7	161.0	280	6.2
R3445		15.35	0.14	1.1	0.058	0.90	4.8	25.6	6.18	1090	0.33	1.26	1.8	257	210	10.6
R3446		14.80	0.11	1.3	0.053	0.89	5.1	27.0	6.07	1120	0.46	1.27	1.8	246	340	6.6
R3447		19.60	0.18	1.2	0.076	0.82	7.9	37.1	4.31	1190	2.96	1.67	1.8	145.0	190	134.0



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 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21009

**CERTIFICATE OF ANALYSIS SD21145883**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
R3412		22.9	<0.002	0.09	0.22	26.8	1	0.9	115.5	0.15	<0.05	1.25	0.307	0.21	0.6	181
R3413		29.0	<0.002	0.31	0.21	29.7	1	2.8	112.5	0.14	0.06	1.26	0.282	0.20	0.8	177
R3414		50.3	0.002	0.19	0.32	29.3	1	2.4	86.1	0.12	0.05	1.00	0.277	0.28	0.8	177
R3415		72.0	<0.002	1.42	0.39	28.2	2	3.9	94.6	0.10	0.15	0.98	0.241	0.31	0.8	154
R3416		38.8	<0.002	0.06	0.32	29.9	1	0.5	128.0	0.12	<0.05	0.99	0.284	0.30	0.3	171
R3417		29.3	<0.002	0.06	0.72	29.0	1	0.5	146.0	0.13	<0.05	1.09	0.313	0.25	0.4	190
R3418		34.2	<0.002	0.06	1.68	27.8	<1	0.5	116.5	0.12	<0.05	0.98	0.295	0.28	0.4	174
R3419		31.5	0.014	0.61	24.4	29.1	1	2.3	56.2	0.10	0.07	0.98	0.227	0.25	1.5	158
R3420		33.7	0.014	0.54	23.6	27.6	1	1.9	61.0	0.10	0.08	0.96	0.223	0.23	1.7	155
R3421		16.6	<0.002	6.17	0.54	15.4	1	1.3	341	0.92	<0.05	1.96	0.865	0.13	0.5	122
R3422		0.4	<0.002	<0.01	0.18	0.3	1	<0.2	82.0	<0.05	<0.05	0.06	0.005	<0.02	0.2	2
R3423		41.0	<0.002	0.06	1.46	28.3	1	0.5	120.0	0.11	<0.05	1.04	0.288	0.29	0.3	174
R3424		36.3	0.002	0.06	0.56	30.0	1	0.5	131.0	0.13	0.05	1.04	0.284	0.27	0.4	176
R3425		0.5	<0.002	0.01	0.07	0.3	1	<0.2	84.2	<0.05	<0.05	0.07	0.006	<0.02	0.1	2
R3426		50.0	0.003	2.47	0.59	28.0	2	1.2	88.4	0.11	0.20	1.02	0.266	0.24	0.5	167
R3427		82.7	<0.002	0.06	0.35	33.1	1	0.5	137.0	0.12	<0.05	1.34	0.299	0.32	0.4	189
R3428		58.5	<0.002	0.14	0.24	31.1	1	2.7	127.0	0.12	<0.05	1.49	0.294	0.32	0.7	179
R3429		40.7	<0.002	0.10	0.22	29.6	1	0.6	132.5	0.13	<0.05	0.99	0.300	0.32	0.5	185
R3430		24.3	<0.002	1.06	0.25	23.8	1	5.1	81.5	0.22	0.09	4.21	0.258	0.09	1.6	191
R3431		18.5	0.002	0.16	0.28	31.1	1	0.7	192.5	0.11	<0.05	0.84	0.276	0.23	0.5	180
R3432		26.3	<0.002	0.39	0.52	33.4	1	1.5	325	0.11	0.07	0.95	0.269	0.21	0.5	178
R3433		46.6	0.002	1.76	0.39	27.7	2	4.4	128.0	0.09	0.20	0.87	0.225	0.19	0.8	147
R3434		43.7	<0.002	0.07	0.27	32.3	1	0.5	213	0.12	<0.05	0.98	0.279	0.28	0.3	183
R3435		15.3	<0.002	0.04	0.07	16.6	1	0.3	87.4	0.06	<0.05	0.58	0.176	0.11	0.2	103
R3436		42.8	0.002	0.96	0.35	25.6	1	0.8	96.5	0.09	0.11	0.81	0.233	0.17	0.6	149
R3437		15.4	<0.002	0.04	0.11	24.1	<1	0.4	110.0	0.10	<0.05	0.76	0.244	0.13	0.3	153
R3438		20.8	<0.002	0.05	0.45	24.5	1	0.6	113.0	0.16	<0.05	1.28	0.246	0.15	0.6	144
R3439		18.5	<0.002	0.05	0.21	27.3	1	0.4	127.5	0.11	<0.05	0.93	0.263	0.19	0.3	161
R3440		16.3	<0.002	0.05	0.14	24.9	1	0.4	127.5	0.11	<0.05	0.88	0.261	0.18	0.3	165
R3441		19.3	<0.002	2.52	3.15	19.3	1	1.4	400	1.15	<0.05	2.48	1.000	0.10	0.7	143
R3442		24.6	<0.002	0.81	0.20	26.6	1	0.7	81.6	0.14	0.07	2.32	0.233	0.12	0.9	167
R3443		17.5	<0.002	0.05	0.20	25.8	1	0.5	123.0	0.12	<0.05	1.05	0.253	0.20	0.4	159
R3444		53.3	<0.002	0.13	0.32	32.1	1	1.9	104.0	0.13	<0.05	1.25	0.271	0.21	0.9	175
R3445		43.5	0.002	0.32	0.37	31.9	1	0.9	101.0	0.13	<0.05	1.24	0.301	0.17	0.6	197
R3446		42.6	<0.002	0.11	0.32	32.3	2	0.7	100.5	0.13	<0.05	1.32	0.314	0.21	0.7	194
R3447		36.6	<0.002	0.40	0.25	29.5	1	9.8	86.8	0.13	0.13	1.49	0.299	0.20	1.1	189



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Project: Elk Lake Mapes-ELM21009

**CERTIFICATE OF ANALYSIS SD21145883**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	As-OG62	Co-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	As %	Co %	Ni %	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.001	0.0005	0.001	0.01	0.01
R3412		0.5	11.3	58	46.5				72.6	93.9
R3413		3.2	11.0	61	42.2					90.3
R3414		2.2	14.7	97	38.5					
R3415		3.1	17.3	219	33.4					
R3416		0.2	10.8	79	40.0					
R3417		0.2	11.6	80	47.2					
R3418		0.2	10.5	69	40.5					
R3419		1.2	15.5	68	31.9	1.055				
R3420		1.1	14.8	62	32.4					
R3421		3.2	17.9	143	115.0		5.08	5.62		
R3422		<0.1	2.2	3	1.7					
R3423		0.2	10.5	76	38.3					
R3424		0.2	10.7	71	41.0					
R3425		<0.1	2.0	3	1.7					
R3426		0.5	11.6	169	37.5					
R3427		0.3	13.7	76	40.5					
R3428		2.1	17.2	90	46.0					
R3429		0.3	11.2	65	40.1					
R3430		4.2	17.4	256	104.5					
R3431		0.6	12.9	86	38.2					
R3432		0.5	13.1	92	35.6					
R3433		4.4	12.4	358	31.4					
R3434		0.2	13.7	74	39.0					
R3435		0.1	6.5	49	20.6					
R3436		0.4	23.6	139	28.5					
R3437		0.2	9.1	83	30.7					
R3438		0.2	12.1	69	51.6					
R3439		0.2	10.6	67	34.6					
R3440		0.2	9.8	69	31.3					
R3441		1.6	21.2	123	139.0		2.00	2.22		
R3442		0.3	48.1	59	50.2					
R3443		0.2	10.0	73	38.0					
R3444		0.8	31.2	83	39.4					
R3445		0.4	16.5	88	38.9					
R3446		0.3	13.4	73	43.4					
R3447		15.1	11.7	88	42.0					



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**CERTIFICATE OF ANALYSIS SD21145883**

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





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**CERTIFICATE SD21145886**

Project: Elk Lake Mapes-ELM21010  
 P.O. No.: ELM21010  
 This report is for 35 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 8-JUN-2021.  
 The following have access to data associated with this certificate:

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

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

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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Project: Elk Lake Mapes-ELM21010

**CERTIFICATE OF ANALYSIS SD21145886**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R3448		2.78	0.04	8.24	1.6	110	0.63	0.04	6.62	0.05	10.15	38.4	49	0.87	85.1	6.31
R3449		1.17	0.51	8.04	13.2	30	1.37	0.36	3.20	0.49	28.2	997	52	0.91	850	9.75
R3450		1.36	0.76	6.87	18.6	20	1.88	0.61	4.26	1.33	26.7	1650	39	0.58	1170	10.00
R3451		0.53	<0.01	0.10	0.3	10	0.08	0.01	28.8	0.02	0.91	6.3	2	0.08	5.3	0.19
R3452		2.57	0.05	7.83	1.6	110	0.46	0.04	6.75	0.05	9.05	39.9	54	0.64	97.6	6.47
R3453		2.14	0.06	9.08	1.8	100	0.26	0.05	7.84	0.09	10.50	37.8	114	0.91	87.3	6.03
R3454		1.17	0.06	7.65	2.4	130	0.42	0.11	6.33	0.08	8.29	74.5	110	0.74	79.0	6.96
R3455		1.83	0.05	8.87	0.8	100	0.21	0.03	7.77	0.12	9.94	38.2	117	0.85	90.0	6.22
R3456		1.12	0.05	7.30	2.0	120	0.23	0.09	6.18	0.40	8.75	49.7	159	1.05	71.9	11.15
R3457		2.67	0.04	7.83	1.9	140	0.42	0.05	7.19	0.06	11.50	54.3	153	1.12	71.0	6.42
R3458		1.29	0.09	8.30	3.5	110	0.55	0.09	6.51	0.06	11.70	80.5	158	1.12	85.0	6.89
R3459		0.96	0.04	8.08	2.1	140	0.48	0.05	6.89	0.04	10.90	44.0	157	1.06	82.9	6.87
R3460		1.02	0.04	8.05	1.2	140	0.48	0.06	6.96	0.04	11.05	43.1	152	1.07	83.2	7.10
R3461		0.13	4.33	5.27	13.8	110	0.46	0.80	3.44	1.93	16.30	948	262	0.74	>10000	17.35
R3462		1.36	0.04	7.87	2.9	150	0.36	0.07	6.81	0.06	11.05	49.0	148	1.23	90.3	7.12
R3463		1.71	0.05	7.77	3.2	150	0.23	0.08	7.01	0.07	10.35	54.2	141	1.21	92.8	7.38
R3464		1.23	0.14	6.80	6.1	70	1.02	0.21	7.32	0.02	22.9	163.5	107	0.90	145.0	11.65
R3465		0.87	0.05	7.12	3.7	60	0.52	0.16	5.23	0.02	9.47	54.8	115	0.55	39.2	7.58
R3466		0.98	0.05	6.73	3.9	60	0.39	0.15	7.63	0.05	11.95	46.4	95	0.56	77.4	7.00
R3467		2.36	0.06	6.94	4.2	130	0.31	0.06	7.04	0.11	10.10	54.5	113	1.50	98.9	6.75
R3468		0.87	0.04	7.82	3.2	140	0.55	0.06	6.58	0.08	11.90	51.3	119	1.69	93.4	7.09
R3469		1.20	0.43	6.53	230	40	1.21	1.96	10.30	0.03	37.0	234	95	1.53	158.5	8.03
R3470		1.52	0.31	6.95	45.4	60	1.36	0.98	9.32	0.05	22.8	86.3	97	1.62	175.5	6.21
R3471		1.10	0.09	7.43	3.7	160	0.29	0.07	6.87	0.06	11.50	52.7	110	2.11	106.5	7.11
R3472		1.27	0.15	6.71	6.1	110	1.43	0.20	5.77	<0.02	32.4	130.0	110	2.22	99.5	14.00
R3473		1.22	0.10	6.35	2.6	100	0.29	0.05	6.54	0.14	9.76	52.1	113	1.13	83.3	7.38
R3474		1.92	0.16	7.64	13.0	200	0.60	0.07	7.02	0.09	14.10	47.5	117	1.65	152.5	7.31
R3475		0.55	0.01	0.10	0.5	10	0.05	0.03	32.5	<0.02	0.91	0.8	2	<0.05	2.7	0.16
R3476		1.18	0.46	7.27	774	110	1.83	2.74	9.61	0.02	23.3	566	102	1.47	43.9	5.50
R3477		2.44	0.07	8.38	6.8	140	1.62	0.09	4.01	0.03	40.0	25.9	122	1.37	147.0	5.49
R3478		1.75	0.05	9.05	2.2	60	1.18	0.02	1.19	<0.02	30.7	10.7	123	0.22	47.3	2.96
R3479		0.48	0.01	9.41	1.2	100	1.08	0.02	1.56	<0.02	80.1	4.3	123	0.14	0.8	2.22
R3480		0.54	0.01	9.22	1.3	90	1.02	0.02	1.69	<0.02	124.5	4.3	120	0.13	1.0	2.16
R3481		0.13	4.06	5.59	13.6	120	0.52	0.81	3.52	2.01	16.85	993	284	0.76	>10000	18.25
R3482		1.22	0.02	9.06	1.7	850	2.09	0.02	0.34	<0.02	96.0	7.0	126	0.77	2.4	3.54



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Project: Elk Lake Mapes-ELM21010

**CERTIFICATE OF ANALYSIS SD21145886**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3448		17.65	0.11	1.1	0.044	0.92	4.5	24.1	3.51	1020	0.44	1.85	1.9	81.8	220	10.1
R3449		20.6	0.16	1.5	0.092	0.28	16.5	40.7	4.29	844	0.88	3.37	1.8	140.0	180	32.2
R3450		17.35	0.17	2.1	0.083	0.15	14.4	27.6	3.24	585	0.99	3.42	1.5	180.5	110	41.4
R3451		0.37	0.10	0.1	<0.005	0.01	1.0	1.3	4.13	152	0.07	0.04	0.1	4.6	80	0.5
R3452		16.95	0.11	1.1	0.046	0.92	4.0	24.1	3.55	1020	0.41	1.71	1.8	83.1	210	12.0
R3453		16.50	0.11	1.2	0.047	0.63	4.9	20.9	4.12	1030	0.40	1.43	1.7	96.4	210	4.2
R3454		15.95	0.11	1.1	0.047	0.81	3.9	19.7	3.67	1000	0.53	1.62	1.6	83.3	180	7.6
R3455		15.70	0.10	1.0	0.036	0.54	4.6	18.0	4.09	1130	0.41	1.36	1.6	94.7	190	3.8
R3456		14.75	0.14	1.3	0.038	0.83	4.0	30.8	4.67	976	4.09	1.39	1.5	154.5	140	35.5
R3457		15.20	0.12	1.3	0.045	1.09	5.4	26.0	4.87	1100	0.37	1.39	1.9	161.5	220	5.3
R3458		16.65	0.13	1.4	0.056	1.00	5.3	34.6	4.86	1130	0.36	1.91	2.0	131.0	210	9.0
R3459		15.50	0.15	1.2	0.049	1.31	5.1	26.9	4.88	1090	0.41	1.46	1.8	153.0	200	4.8
R3460		15.85	0.16	1.2	0.063	1.24	5.2	27.3	4.95	1070	0.55	1.46	1.8	154.0	210	4.6
R3461		12.00	0.44	1.2	0.107	0.31	7.0	8.7	3.87	949	6.29	1.15	4.7	>10000	450	13.0
R3462		15.60	0.11	1.2	0.054	1.43	5.2	24.8	5.14	1100	0.44	1.29	1.8	182.5	210	5.2
R3463		14.60	0.15	1.1	0.042	1.41	4.8	25.1	5.52	1180	0.43	1.26	1.7	198.0	200	4.6
R3464		16.35	0.15	1.0	0.084	0.79	11.0	30.5	4.84	1210	1.66	1.46	1.6	220	200	3.4
R3465		13.50	0.13	1.1	0.031	0.51	4.3	48.3	5.90	1240	0.35	2.07	1.7	240	210	3.6
R3466		15.45	0.11	1.0	0.059	0.42	5.8	36.2	5.27	1150	0.41	1.46	1.4	207	180	8.9
R3467		14.90	0.12	1.1	0.048	0.84	4.7	31.0	5.59	1200	0.34	1.13	1.8	239	200	5.3
R3468		14.45	0.13	1.2	0.042	1.45	5.7	35.6	5.86	1320	0.30	1.25	1.8	237	220	4.5
R3469		19.40	0.17	1.0	0.229	0.29	18.4	47.3	3.80	1840	20.4	2.52	1.5	183.5	210	10.7
R3470		15.00	0.15	1.0	0.141	0.80	11.1	51.4	4.46	1720	11.10	2.15	1.6	209	220	8.9
R3471		14.85	0.13	1.2	0.049	1.56	5.5	43.3	5.51	1370	0.45	1.26	1.9	233	210	6.5
R3472		16.40	0.18	1.1	0.074	1.17	14.9	45.9	4.92	1260	3.59	1.29	2.1	205	190	14.7
R3473		13.90	0.12	1.1	0.048	0.58	4.4	52.4	6.68	1320	0.29	1.31	1.7	252	190	9.0
R3474		14.50	0.09	1.3	0.058	1.13	6.1	18.8	4.46	1330	0.47	1.46	2.1	116.5	250	6.6
R3475		0.23	<0.05	<0.1	0.007	0.01	1.1	1.2	2.58	157	0.08	0.03	0.1	1.2	60	0.5
R3476		15.35	0.06	1.1	0.192	0.63	11.9	31.3	2.68	1900	29.9	2.73	2.1	107.5	230	8.4
R3477		21.1	0.09	2.5	0.079	0.59	19.4	29.7	2.84	827	0.34	4.35	5.7	93.3	520	6.5
R3478		23.4	0.08	3.6	0.030	0.19	15.1	21.0	1.43	282	0.37	6.90	8.9	65.5	550	1.8
R3479		22.9	0.11	3.8	0.014	0.40	40.2	12.2	0.86	175	0.18	7.29	7.8	41.7	1080	1.3
R3480		22.1	0.15	4.0	0.016	0.32	64.8	12.1	0.85	181	0.13	7.18	7.6	43.5	1070	1.4
R3481		11.55	0.26	1.2	0.116	0.32	6.9	8.5	4.05	1000	4.27	1.20	4.9	>10000	470	13.2
R3482		25.0	0.13	3.9	0.028	3.21	46.2	27.9	1.77	84	0.17	3.39	8.0	79.9	920	3.1



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Project: Elk Lake Mapes–ELM21010

**CERTIFICATE OF ANALYSIS SD21145886**

Sample Description	Method Analyte Units LOD	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	ME–MS61	
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
R3448		16.9	<0.002	0.05	0.18	28.1	1	0.5	127.0	0.13	<0.05	1.12	0.325	0.21	0.5	188
R3449		4.6	0.006	2.94	0.15	24.6	3	1.4	73.7	0.13	0.23	1.45	0.296	0.06	1.0	182
R3450		2.1	0.007	5.24	0.15	16.0	5	1.5	45.0	0.12	0.34	1.72	0.242	0.05	1.3	147
R3451		0.4	<0.002	0.01	0.10	0.3	3	<0.2	70.1	<0.05	<0.05	0.06	0.007	0.02	0.1	2
R3452		14.3	<0.002	0.06	0.20	26.6	1	0.5	126.5	0.13	<0.05	0.98	0.322	0.23	0.4	189
R3453		20.0	0.002	0.06	0.16	30.4	1	0.5	141.5	0.13	<0.05	1.21	0.301	0.18	0.4	181
R3454		12.3	0.002	0.22	0.23	23.2	1	0.7	113.5	0.15	<0.05	1.28	0.288	0.21	0.9	181
R3455		17.9	<0.002	0.06	0.16	30.0	1	0.4	140.0	0.12	<0.05	1.16	0.298	0.17	0.4	182
R3456		30.9	0.002	0.10	0.26	29.2	1	6.7	108.5	0.13	<0.05	2.80	0.248	0.19	1.3	173
R3457		43.7	<0.002	0.10	0.26	30.7	1	0.6	115.5	0.14	<0.05	1.30	0.318	0.27	0.5	190
R3458		35.7	<0.002	0.21	0.23	33.0	1	0.9	124.5	0.15	<0.05	1.48	0.314	0.24	0.6	189
R3459		51.2	<0.002	0.07	0.22	33.3	1	0.8	116.5	0.13	<0.05	1.28	0.305	0.30	0.5	192
R3460		47.0	<0.002	0.07	0.24	32.5	1	1.1	113.5	0.14	<0.05	1.35	0.305	0.29	0.6	190
R3461		10.2	0.051	7.83	3.09	8.4	19	2.6	175.0	0.29	4.53	0.98	0.511	0.18	0.3	75
R3462		71.1	<0.002	0.09	0.29	33.9	1	0.7	105.5	0.13	<0.05	1.28	0.305	0.33	0.5	191
R3463		64.7	<0.002	0.10	0.31	32.6	1	1.2	107.5	0.13	<0.05	1.23	0.314	0.28	0.5	192
R3464		36.7	<0.002	0.61	0.34	28.8	1	4.4	83.4	0.11	0.07	1.30	0.269	0.14	1.0	228
R3465		17.1	<0.002	0.05	0.33	31.4	1	0.5	92.9	0.13	<0.05	1.14	0.298	0.12	0.4	188
R3466		13.9	<0.002	0.05	0.35	27.8	1	0.7	207	0.11	<0.05	1.02	0.244	0.11	0.5	174
R3467		26.8	<0.002	0.07	0.29	32.1	1	0.5	134.0	0.12	<0.05	1.14	0.291	0.23	0.4	185
R3468		63.5	<0.002	0.06	0.36	32.6	1	0.6	96.0	0.13	<0.05	1.36	0.311	0.30	0.4	191
R3469		14.7	<0.002	0.52	0.51	23.0	1	3.0	52.2	0.11	0.12	1.33	0.261	0.07	1.4	163
R3470		36.4	<0.002	0.23	0.47	29.6	1	0.9	69.8	0.12	0.05	1.19	0.288	0.15	0.6	172
R3471		70.9	<0.002	0.06	0.41	33.3	1	0.5	94.2	0.14	<0.05	1.30	0.313	0.30	0.4	189
R3472		56.6	<0.002	0.45	0.49	31.9	1	7.9	74.9	0.13	0.08	1.23	0.278	0.21	0.9	186
R3473		17.8	<0.002	0.05	0.21	29.5	1	0.6	103.5	0.12	<0.05	1.07	0.292	0.14	0.4	184
R3474		46.7	<0.002	0.09	0.34	38.1	<1	0.6	111.5	0.15	<0.05	1.48	0.364	0.20	0.5	224
R3475		0.5	<0.002	<0.01	0.06	0.3	<1	<0.2	78.1	<0.05	<0.05	0.06	0.006	<0.02	0.1	2
R3476		26.7	0.005	0.09	2.24	30.3	<1	1.4	72.5	0.15	<0.05	1.40	0.336	0.13	1.2	208
R3477		14.4	<0.002	0.04	0.37	27.1	<1	0.7	101.0	0.46	<0.05	6.73	0.381	0.08	1.6	183
R3478		6.2	<0.002	0.02	0.29	16.1	<1	0.6	54.2	0.80	<0.05	15.35	0.404	0.03	2.2	112
R3479		12.9	<0.002	0.01	0.35	18.0	<1	2.8	58.4	0.66	<0.05	15.75	0.346	0.08	2.1	100
R3480		10.2	<0.002	<0.01	0.31	17.7	<1	2.6	58.0	0.65	<0.05	15.55	0.341	0.07	2.2	96
R3481		10.4	0.046	8.37	3.30	8.6	21	2.3	185.0	0.29	4.07	1.03	0.542	0.15	0.3	81
R3482		78.2	<0.002	0.01	0.37	17.3	<1	1.9	57.7	0.72	<0.05	12.05	0.369	0.25	3.1	179



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Project: Elk Lake Mapes-ELM21010

**CERTIFICATE OF ANALYSIS SD21145886**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Cu % 0.001	Ni % 0.001	Pass2mm % 0.01	Pass75um % 0.01
R3448		0.3	11.4	55	39.3			73.8	91.7
R3449		1.2	12.6	185	61.5				91.2
R3450		1.4	14.6	380	84.2				
R3451		<0.1	1.9	5	1.8				
R3452		0.2	10.8	59	39.7				
R3453		0.2	12.4	62	43.2				
R3454		0.3	9.2	68	37.1				
R3455		0.2	11.8	74	38.1				
R3456		8.2	17.1	178	46.7				
R3457		0.3	12.8	67	46.3				
R3458		0.5	14.7	73	50.0				
R3459		0.4	12.9	69	42.1				
R3460		0.6	13.0	69	43.6				
R3461		2.4	9.3	138	47.9	1.655	4.64		
R3462		0.4	12.9	71	43.1				
R3463		1.6	12.0	72	37.4				
R3464		3.9	16.8	73	36.5				
R3465		0.8	10.5	97	41.3				
R3466		0.8	13.7	75	35.9				
R3467		0.2	12.1	76	41.9				
R3468		0.3	13.4	88	42.1				
R3469		3.1	30.3	65	37.0				
R3470		1.1	21.0	82	38.7				
R3471		0.3	13.0	77	41.8				
R3472		10.6	20.6	73	38.7				
R3473		0.3	11.9	90	39.2				
R3474		0.3	16.0	75	50.4				
R3475		<0.1	2.1	3	1.6				
R3476		0.9	24.2	43	44.8				
R3477		0.3	17.7	39	98.2				
R3478		0.6	12.9	13	135.5				
R3479		0.6	19.8	5	143.5				
R3480		0.5	20.6	5	143.0				
R3481		2.1	9.0	138	51.5	1.655	4.70		
R3482		1.3	19.1	6	143.0				



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 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21010

**CERTIFICATE OF ANALYSIS SD21145886**

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



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**CERTIFICATE SD21145890**

Project: Elk Lake Mapes-ELM21011  
 P.O. No.: ELM21011  
 This report is for 24 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 8-JUN-2021.  
 The following have access to data associated with this certificate:

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements – Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu – Four Acid	
Ni-OG62	Ore Grade Ni – Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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 Finalized Date: 28-JUN-2021  
 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21011

**CERTIFICATE OF ANALYSIS SD21145890**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R3483		1.27	0.09	8.74	2.3	130	0.48	0.14	6.60	0.07	23.7	122.5	54	0.87	110.5	7.73
R3484		2.48	0.09	8.29	4.1	100	0.74	0.12	6.06	0.67	14.35	82.2	95	0.86	106.0	6.97
R3485		1.15	0.23	8.99	1.8	130	0.65	0.07	7.21	1.49	21.4	44.2	127	1.03	509	6.90
R3486		2.06	0.05	8.67	1.2	120	0.36	0.04	7.69	0.29	10.75	43.8	187	1.16	96.8	6.40
R3487		1.46	0.04	8.70	0.4	90	0.23	0.04	7.83	0.12	8.87	51.4	155	1.27	88.3	7.23
R3488		0.95	0.07	8.18	2.1	130	0.48	0.09	6.74	0.13	9.00	64.3	160	0.97	155.5	8.24
R3489		2.52	0.06	7.83	0.6	80	0.25	0.03	7.39	0.07	7.72	55.3	122	1.20	93.1	7.05
R3490		2.07	0.08	7.90	1.9	160	0.72	0.08	6.38	0.07	13.40	56.1	123	1.81	89.9	7.01
R3491		2.09	0.09	8.28	2.4	140	1.08	0.09	5.65	0.09	13.35	61.2	124	2.54	169.5	7.13
R3492		1.31	0.05	7.40	3.7	130	0.67	0.16	5.40	0.13	9.87	144.0	122	1.36	114.0	11.25
R3493		1.31	0.11	7.63	3.7	140	0.72	0.12	5.78	0.04	12.45	82.7	126	1.48	217	9.72
R3494		1.29	0.03	7.76	0.6	120	0.26	0.05	7.02	0.10	8.14	60.8	129	1.69	73.7	7.28
R3495		1.30	0.11	7.74	9.9	160	1.25	0.24	4.98	0.04	10.90	256	129	2.17	173.5	9.78
R3496		1.32	0.04	7.79	0.7	90	0.26	0.05	7.00	0.09	8.93	64.0	112	1.19	82.0	7.52
R3497		1.17	0.05	7.62	1.4	130	0.44	0.06	6.62	0.11	9.49	60.3	115	1.41	97.1	7.74
R3498		1.26	0.05	7.80	2.5	130	0.51	0.10	7.16	0.07	11.65	55.5	146	1.18	84.8	9.09
R3499		0.73	0.04	8.05	1.0	90	0.28	0.04	7.66	0.10	11.95	48.9	152	1.44	90.1	7.16
R3500		0.79	0.05	7.88	1.2	90	0.28	0.04	7.65	0.09	10.80	48.3	154	1.43	91.1	7.01
R3501		0.13	4.20	5.51	13.2	120	0.54	0.88	3.53	1.98	17.30	987	276	0.76	>10000	18.10
R3502		1.25	0.03	7.61	1.7	140	0.41	0.05	7.06	0.08	10.40	49.5	151	1.10	86.5	7.41
R3503		1.26	0.07	7.94	4.3	130	0.85	0.16	6.40	0.10	15.75	198.0	161	1.21	104.5	7.99
R3504		1.27	0.13	7.34	3.2	160	0.66	0.11	6.34	0.07	13.10	71.9	141	0.99	796	7.38
R3505		1.30	0.04	7.79	3.3	170	0.56	0.12	6.30	0.04	10.95	55.2	152	1.23	89.1	8.25
R3506		1.99	0.04	7.85	2.3	180	0.64	0.10	6.26	0.06	12.95	53.4	148	1.22	126.0	8.93





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 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21011

**CERTIFICATE OF ANALYSIS SD21145890**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3483		16.00	0.09	1.2	0.050	0.96	9.9	20.7	3.43	1040	1.10	1.74	1.8	92.9	200	9.5
R3484		16.50	0.08	1.3	0.070	1.00	5.8	25.6	3.80	1050	0.70	2.07	1.9	95.6	210	81.2
R3485		15.95	0.08	1.1	0.088	0.90	8.2	25.5	4.40	1250	0.50	1.86	1.7	101.0	200	58.7
R3486		15.05	0.07	1.1	0.051	0.88	4.9	22.7	4.65	1190	0.41	1.51	1.8	149.0	220	6.8
R3487		14.05	0.08	1.0	0.037	0.69	4.0	23.4	5.62	1220	0.37	1.23	1.5	200	180	4.1
R3488		14.75	0.06	1.0	0.048	1.21	4.2	25.9	4.77	1080	0.81	1.57	1.6	169.0	180	3.1
R3489		13.55	0.07	0.8	0.038	0.53	3.6	20.6	5.63	1130	0.31	1.14	1.4	254	170	3.6
R3490		14.80	0.08	0.9	0.065	1.55	6.1	34.3	5.75	1220	0.26	1.33	1.4	254	170	5.8
R3491		13.85	0.08	0.9	0.078	1.52	6.0	60.9	5.87	1200	0.24	1.62	1.4	265	190	45.5
R3492		14.30	0.07	1.1	0.051	1.09	4.9	24.7	5.44	996	1.98	1.40	1.7	253	210	6.0
R3493		16.20	0.08	1.2	0.073	0.94	5.9	24.4	5.95	1060	0.99	1.44	1.8	246	270	9.7
R3494		13.10	0.09	0.8	0.046	0.71	3.7	20.3	7.36	1240	0.21	1.00	1.3	358	170	3.7
R3495		15.45	0.07	0.9	0.071	1.21	5.9	31.9	7.11	1020	0.79	1.30	1.4	357	180	13.3
R3496		13.55	0.07	0.9	0.038	0.62	4.1	13.9	7.60	1240	0.33	1.06	1.5	376	180	3.0
R3497		13.70	0.07	0.9	0.045	0.94	4.6	22.6	6.81	1180	0.43	1.15	1.5	324	180	4.6
R3498		13.90	0.06	1.0	0.040	0.97	5.3	20.5	5.15	1180	1.05	1.39	1.7	191.5	180	3.7
R3499		13.95	0.08	1.1	0.047	0.53	5.2	16.9	5.53	1240	0.39	1.29	1.8	201	220	3.2
R3500		13.90	0.09	1.2	0.042	0.51	4.9	17.0	5.44	1220	0.35	1.27	1.8	202	210	3.4
R3501		11.45	0.22	1.2	0.121	0.32	7.1	8.2	4.04	1020	4.04	1.19	4.8	>10000	470	13.0
R3502		14.30	0.07	1.1	0.052	0.93	4.6	18.2	5.49	1160	0.45	1.27	1.8	216	190	2.8
R3503		15.10	0.07	1.1	0.063	1.13	7.8	20.6	4.68	1220	0.41	1.65	1.8	199.5	190	14.8
R3504		13.60	0.06	1.0	0.071	1.27	5.9	22.0	4.44	1040	0.60	1.48	1.6	152.0	180	6.2
R3505		15.10	0.07	1.1	0.058	1.40	5.1	25.8	5.02	1020	0.61	1.45	1.8	164.0	210	3.8
R3506		14.90	0.07	1.1	0.056	1.35	6.0	22.5	4.86	1140	1.00	1.45	1.8	167.0	210	5.2



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 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21011

**CERTIFICATE OF ANALYSIS SD21145890**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3483		24.7	0.002	0.33	0.19	27.6	<1	2.2	129.5	0.13	0.05	1.11	0.315	0.20	0.6	192
R3484		24.0	0.002	0.24	0.22	27.8	<1	0.7	113.5	0.14	<0.05	1.38	0.311	0.16	0.8	189
R3485		33.1	<0.002	0.14	0.18	31.4	1	0.5	122.0	0.12	<0.05	1.13	0.312	0.17	0.7	190
R3486		31.3	<0.002	0.07	0.16	31.4	<1	0.5	130.0	0.13	<0.05	1.11	0.317	0.19	0.5	192
R3487		30.3	0.002	0.06	0.11	31.7	<1	0.4	126.0	0.10	<0.05	0.91	0.280	0.17	0.3	177
R3488		33.1	<0.002	0.18	0.23	28.4	1	2.9	115.0	0.12	<0.05	0.81	0.283	0.22	0.6	184
R3489		16.6	0.002	0.06	0.08	24.6	<1	0.4	135.0	0.10	<0.05	0.74	0.257	0.14	0.3	163
R3490		58.1	<0.002	0.09	0.25	26.6	<1	0.5	91.9	0.09	<0.05	0.84	0.264	0.25	0.5	168
R3491		66.5	0.002	0.10	0.29	28.8	1	0.4	72.5	0.10	<0.05	0.85	0.271	0.24	0.5	170
R3492		53.5	<0.002	0.49	0.43	28.9	1	5.5	91.2	0.12	0.05	1.30	0.277	0.19	1.5	183
R3493		38.2	<0.002	0.19	0.34	29.6	1	2.4	93.2	0.12	<0.05	1.12	0.304	0.17	0.9	190
R3494		32.6	<0.002	0.06	0.11	29.4	<1	0.3	120.0	0.09	<0.05	0.86	0.250	0.20	0.3	164
R3495		61.6	0.002	0.52	0.66	27.3	1	1.6	70.4	0.09	0.09	0.83	0.255	0.21	0.9	158
R3496		27.0	<0.002	0.06	0.09	27.9	1	0.5	112.5	0.11	<0.05	0.86	0.274	0.15	0.3	169
R3497		40.6	<0.002	0.08	0.27	24.9	<1	0.7	109.0	0.10	<0.05	0.86	0.270	0.20	0.4	174
R3498		44.8	0.002	0.15	0.24	32.3	<1	3.4	110.5	0.12	<0.05	1.15	0.290	0.19	3.1	186
R3499		19.6	<0.002	0.06	0.11	33.6	<1	0.5	133.5	0.13	<0.05	1.24	0.312	0.15	0.4	195
R3500		18.0	<0.002	0.06	0.10	32.9	<1	0.5	131.5	0.13	<0.05	1.16	0.307	0.13	0.4	194
R3501		10.5	0.052	8.26	3.22	8.4	21	2.4	183.0	0.28	4.32	0.94	0.533	0.16	0.3	80
R3502		41.5	<0.002	0.06	0.17	31.3	1	1.0	113.0	0.13	<0.05	1.10	0.293	0.20	0.4	191
R3503		53.1	0.002	1.03	0.36	32.1	<1	0.5	97.4	0.12	0.07	1.17	0.302	0.18	1.3	192
R3504		59.1	<0.002	0.30	0.53	30.2	<1	0.7	96.6	0.11	<0.05	1.11	0.284	0.23	0.5	180
R3505		60.4	<0.002	0.11	0.41	32.9	<1	5.0	101.0	0.13	<0.05	1.21	0.316	0.22	0.6	196
R3506		63.8	<0.002	0.12	0.31	34.5	<1	3.1	104.5	0.13	<0.05	1.31	0.307	0.28	1.3	199



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Project: Elk Lake Mapes-ELM21011

**CERTIFICATE OF ANALYSIS SD21145890**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	Au-ICP21	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Cu %	Ni %	Au ppm	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.001	0.001	0.001	0.01	0.01
R3483		3.4	11.4	59	42.9			0.002	70.2	88.7
R3484		0.3	13.9	264	48.3			0.043		85.9
R3485		0.3	20.4	508	42.6			0.004		
R3486		0.2	13.2	112	44.4			0.002		
R3487		0.3	10.7	81	37.8			0.001		
R3488		4.3	10.4	84	37.1			0.004		
R3489		0.2	9.0	69	31.2			0.002		
R3490		0.2	11.9	61	36.0			0.002		
R3491		0.3	11.8	104	34.3			0.005		
R3492		11.0	14.4	72	43.8			0.017		
R3493		4.3	14.0	60	45.1			0.073		
R3494		0.1	10.1	79	32.5			0.001		
R3495		2.5	11.5	69	32.0			0.398		
R3496		0.2	10.6	75	34.1			0.001		
R3497		0.5	11.2	85	35.1			0.004		
R3498		6.4	14.2	70	40.1			0.002		
R3499		0.2	13.1	71	43.1			0.001		
R3500		0.2	12.8	70	43.4			0.002		
R3501		2.1	9.1	140	52.8	1.695	4.71	0.197		
R3502		1.4	14.6	66	41.8			0.001		
R3503		0.2	15.4	68	44.3			0.035		
R3504		0.6	14.0	56	38.9			0.032		
R3505		14.9	13.9	54	42.8			0.002		
R3506		7.8	13.8	75	43.3			0.012		



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Project: Elk Lake Mapes-ELM21011

**CERTIFICATE OF ANALYSIS SD21145890**

	<b>CERTIFICATE COMMENTS</b>								
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 17%;">LOG-24</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-24	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-24						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">Cu-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 17%;">ME-OG62</td> </tr> <tr> <td>Ni-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Au-ICP21	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62			
Au-ICP21	Cu-OG62	ME-MS61	ME-OG62						
Ni-OG62									



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**CERTIFICATE SD21145874**

Project: Elk Lake Mapes-ELM21012  
 P.O. No.: ELM21012  
 This report is for 16 samples of Drill Core submitted to our lab in Sudbury, ON, Canada on 8-JUN-2021.  
 The following have access to data associated with this certificate:

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

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

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

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

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

Signature:   
 Saa Traxler, General Manager, North Vancouver



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

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 Total # Pages: 2 (A – D)  
 Plus Appendix Pages  
 Finalized Date: 28-JUN-2021  
 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21012

**CERTIFICATE OF ANALYSIS SD21145874**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R3507		1.20	0.14	8.18	3.3	110	0.97	0.15	6.44	0.16	25.4	75.1	66	1.14	132.5	9.32
R3508		2.27	0.12	8.69	3.7	120	0.34	0.06	7.10	0.15	12.45	41.5	59	0.84	169.0	6.52
R3509		1.38	2.40	8.09	1145	50	1.44	7.59	11.70	<0.02	27.8	779	40	0.97	263	4.89
R3510		2.59	0.19	9.08	4.6	120	0.35	0.04	6.99	0.11	11.60	39.1	42	0.87	115.5	6.06
R0256		1.12	0.10	8.51	2.7	150	0.73	0.08	6.04	0.07	13.80	57.1	47	1.06	149.0	6.80
R3511		1.24	0.06	8.47	3.5	90	0.59	0.06	6.57	0.06	12.65	40.1	56	0.77	70.8	6.45
R3512		1.28	0.07	8.50	1.6	90	0.63	0.05	6.71	0.05	11.55	77.9	59	0.79	65.8	6.97
R3513		1.13	0.11	7.73	2.5	110	0.80	0.11	5.58	0.41	11.10	92.0	73	0.83	254	7.08
R3514		1.28	0.87	7.87	9.8	130	0.65	0.29	6.12	0.16	12.55	981	70	0.95	1700	8.94
R3515		1.92	0.07	8.42	1.4	150	0.38	0.05	7.07	0.07	11.10	41.6	82	0.73	121.0	6.43
R3516		1.34	0.51	7.88	1.5	140	1.24	0.06	5.75	0.11	13.75	58.7	74	0.90	2060	7.05
R3517		2.50	0.09	9.03	0.7	140	0.27	0.04	7.62	0.19	11.45	39.6	79	0.82	120.5	6.47
R3518		1.42	0.07	7.85	1.4	120	0.46	0.07	6.07	0.14	10.30	81.8	80	0.79	129.0	7.19
R3519		0.43	0.09	7.92	2.1	120	1.16	0.15	4.71	0.28	16.10	69.7	85	1.18	144.5	7.89
R3520		0.46	0.11	8.09	2.6	120	1.04	0.15	5.07	0.21	17.90	91.8	86	1.25	181.0	8.51
R3521		0.13	4.13	5.73	15.0	120	0.63	0.92	3.54	2.14	18.25	1030	285	0.83	>10000	18.80



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 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21012

**CERTIFICATE OF ANALYSIS SD21145874**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
R3507		18.60	0.17	1.7	0.082	1.17	12.0	34.5	4.38	1340	1.76	1.98	2.2	110.0	230	44.4
R3508		17.35	0.14	1.3	0.049	1.44	5.5	28.2	3.94	1220	0.47	1.58	1.9	93.8	210	43.2
R3509		16.70	0.13	1.1	0.211	1.06	12.5	53.2	2.79	2210	88.2	2.71	1.6	148.5	150	65.8
R3510		18.60	0.14	1.3	0.043	1.59	5.0	35.3	3.34	1260	0.53	1.74	2.0	79.8	230	12.8
R0256		18.15	0.11	1.2	0.064	1.73	6.2	33.2	3.46	1220	0.79	2.04	1.9	83.3	230	10.7
R3511		17.30	0.12	1.3	0.059	1.13	5.6	32.5	3.55	926	0.63	1.98	1.9	82.1	200	24.9
R3512		17.10	0.11	1.4	0.053	1.16	4.9	33.7	3.71	944	0.47	1.95	2.0	86.1	200	52.3
R3513		17.90	0.13	1.2	0.068	0.93	5.0	34.6	3.91	1100	0.71	1.87	1.9	96.1	220	40.6
R3514		16.80	0.15	1.2	0.077	0.92	5.5	36.3	3.53	1050	0.46	1.72	1.8	144.0	200	271
R3515		17.35	0.12	1.3	0.051	1.21	4.8	30.2	3.68	1130	0.49	1.64	2.0	100.0	220	14.2
R3516		16.35	0.12	1.2	0.070	1.04	6.8	33.6	3.41	1140	0.83	1.79	2.0	87.0	190	32.6
R3517		17.55	0.12	1.4	0.054	0.87	5.0	25.5	3.75	1320	0.46	1.50	2.1	94.6	200	10.4
R3518		16.05	0.12	1.5	0.048	0.92	4.5	27.6	3.76	1110	0.76	1.62	1.8	94.6	200	57.9
R3519		18.80	0.14	1.3	0.078	1.29	7.1	35.6	3.64	989	1.15	2.10	1.8	94.0	210	53.0
R3520		19.20	0.15	1.4	0.081	1.28	7.7	36.2	3.68	997	1.33	2.12	2.0	102.0	210	43.8
R3521		12.90	0.33	1.3	0.127	0.33	8.0	10.7	4.10	1020	5.14	1.24	5.4	>10000	470	17.3

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



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 Finalized Date: 28-JUN-2021  
 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21012

**CERTIFICATE OF ANALYSIS SD21145874**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
R3507		55.4	0.004	0.23	0.24	41.3	1	2.3	104.5	0.16	0.06	1.90	0.359	0.25	0.9	223
R3508		36.1	0.002	0.08	0.38	33.4	1	0.6	125.0	0.15	<0.05	1.32	0.314	0.31	0.5	192
R3509		45.6	0.020	0.12	3.41	32.5	1	2.0	69.8	0.13	<0.05	1.37	0.262	0.25	1.2	165
R3510		30.8	0.003	0.07	0.88	28.3	1	0.6	140.5	0.15	<0.05	1.27	0.326	0.30	0.4	187
R0256		45.3	0.003	0.23	0.34	28.1	1	1.1	117.0	0.14	<0.05	1.20	0.297	0.32	0.6	174
R3511		27.7	0.002	0.08	0.27	28.0	<1	0.7	120.0	0.15	<0.05	1.62	0.317	0.23	0.6	191
R3512		29.1	0.003	0.17	0.23	29.2	1	0.7	122.5	0.14	<0.05	1.47	0.320	0.23	0.6	189
R3513		14.7	0.004	0.22	0.25	26.9	1	0.8	114.0	0.14	0.05	1.07	0.299	0.23	0.7	180
R3514		22.2	0.002	2.44	0.38	28.6	4	0.9	122.0	0.13	0.25	1.51	0.291	0.25	0.6	182
R3515		22.9	0.003	0.07	0.23	30.2	1	0.6	159.0	0.15	<0.05	1.16	0.316	0.32	0.4	188
R3516		22.8	0.003	0.36	0.39	27.5	1	1.1	127.0	0.15	0.06	1.22	0.306	0.27	0.8	183
R3517		18.1	0.003	0.07	0.16	29.7	1	0.6	165.5	0.15	<0.05	1.26	0.328	0.30	0.4	191
R3518		17.2	0.003	0.19	0.23	27.9	1	1.3	128.0	0.14	0.05	1.45	0.285	0.25	0.6	173
R3519		26.3	0.003	0.32	0.34	26.1	1	2.3	94.0	0.13	0.06	1.04	0.290	0.26	1.0	173
R3520		28.8	0.004	0.34	0.38	28.7	1	2.6	99.2	0.15	0.07	1.17	0.298	0.24	1.0	177
R3521		11.4	0.051	8.30	3.64	9.4	23	2.8	188.0	0.35	4.75	1.07	0.545	0.20	0.4	81





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 Account: BMRPLLBW

Project: Elk Lake Mapes-ELM21012

**CERTIFICATE OF ANALYSIS SD21145874**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62	Ni-OG62	CRU-QC	PUL-QC
		W ppm	Y ppm	Zn ppm	Zr ppm	Cu %	Ni %	Pass2mm %	Pass75um %
		0.1	0.1	2	0.5	0.001	0.001	0.01	0.01
R3507		1.6	18.8	100	59.7			74.7	86.8
R3508		0.2	12.8	87	45.9				89.3
R3509		1.0	27.0	50	40.4				
R3510		0.2	12.2	77	45.4				
R0256		1.9	13.4	70	43.3				
R3511		0.2	13.3	51	45.2				
R3512		0.3	13.8	52	46.7				
R3513		0.4	11.8	141	43.1				
R3514		0.5	14.4	87	44.9				
R3515		0.3	12.5	64	46.4				
R3516		0.7	16.6	76	43.8				
R3517		0.2	12.7	109	48.8				
R3518		0.8	11.7	88	54.6				
R3519		2.3	14.0	140	44.9				
R3520		2.0	14.5	123	48.2				
R3521		2.3	10.3	141	51.2	1.620	4.65		



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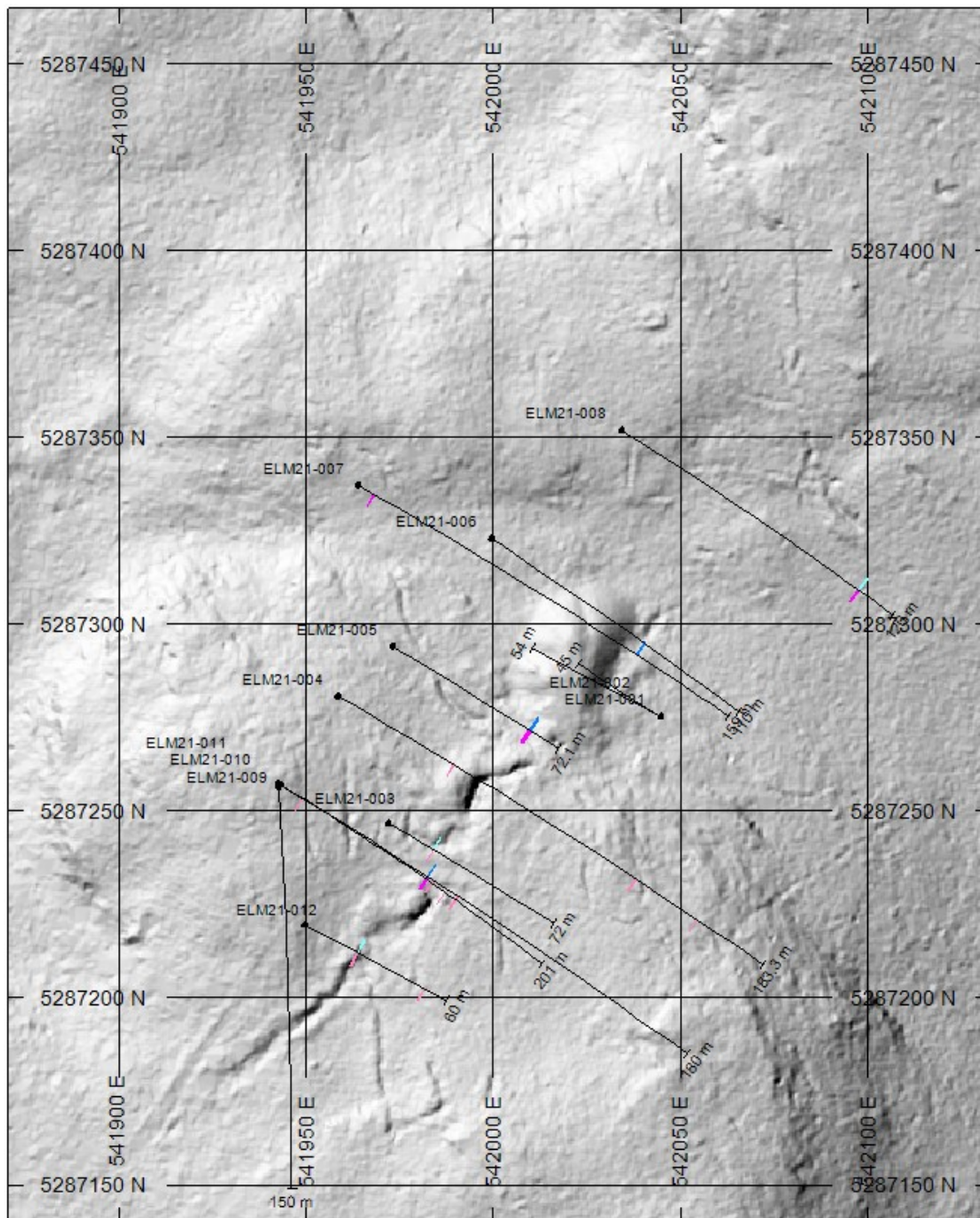
To: NORTH AMERICAN COBALT – BATTERY  
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Project: Elk Lake Mapes-ELM21012

**CERTIFICATE OF ANALYSIS SD21145874**



CERTIFICATE COMMENTS									
	<b>ANALYTICAL COMMENTS</b>								
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61								
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.								
	<table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-22</td> <td>LOG-24</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-22	LOG-24	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-22	LOG-24						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.								
	<table border="0"> <tr> <td>Cu-OG62</td> <td>ME-MS61</td> <td>ME-OG62</td> <td>Ni-OG62</td> </tr> </table>	Cu-OG62	ME-MS61	ME-OG62	Ni-OG62				
Cu-OG62	ME-MS61	ME-OG62	Ni-OG62						





### HOLES PLOTTED

TOTAL 12

ELM21-001	ELM21-002	ELM21-003	ELM21-004
ELM21-005	ELM21-006	ELM21-007	ELM21-008
ELM21-009	ELM21-010	ELM21-011	ELM21-012

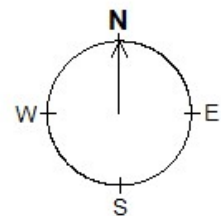
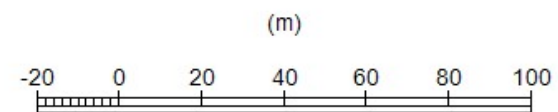
NUMBER BANDS	L/R	PATTERN	RANGE
Ag_ppm	R		2 to 7
			7 to 30

NUMBER BANDS	L/R	PATTERN	RANGE
Co_ppm	L		500 to 1000
			1000 to 10000

### PLAN SPECS:

REF. PT. E, N 541900 m 5287000 m  
 EXTENTS 262.8 m 325 m

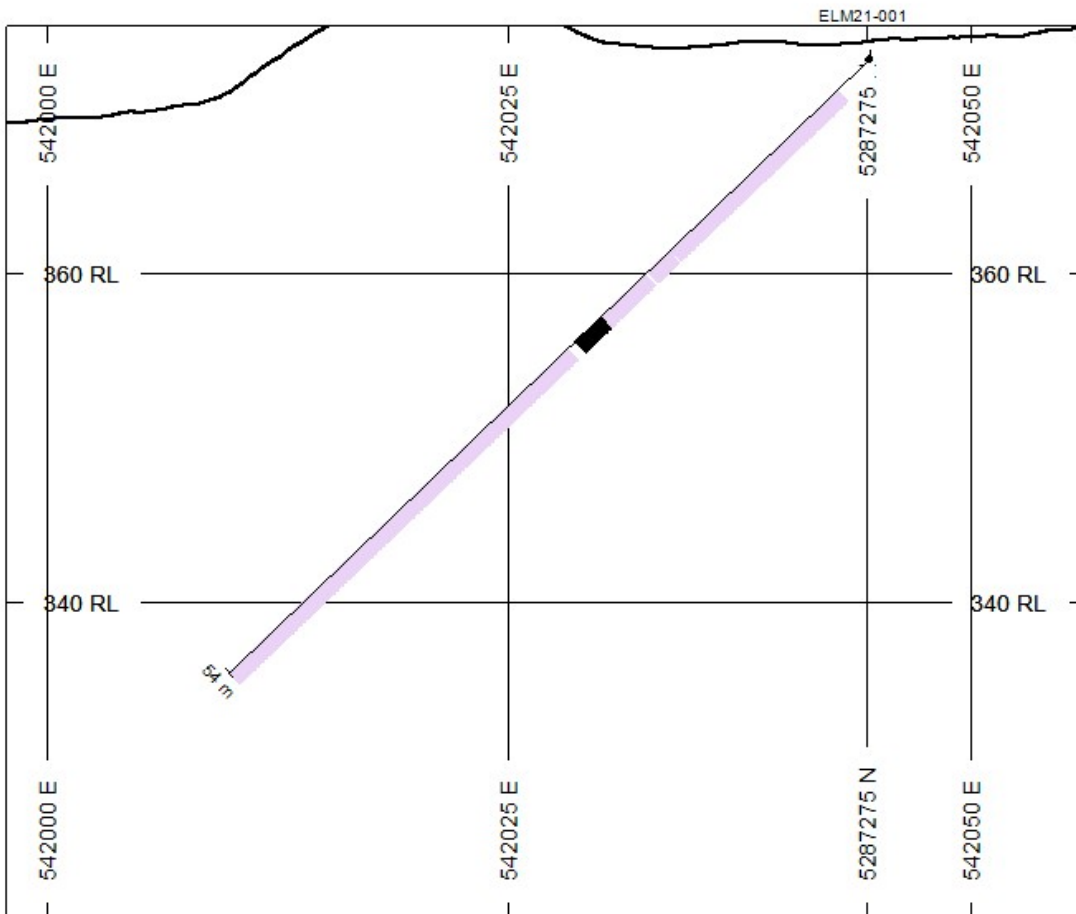
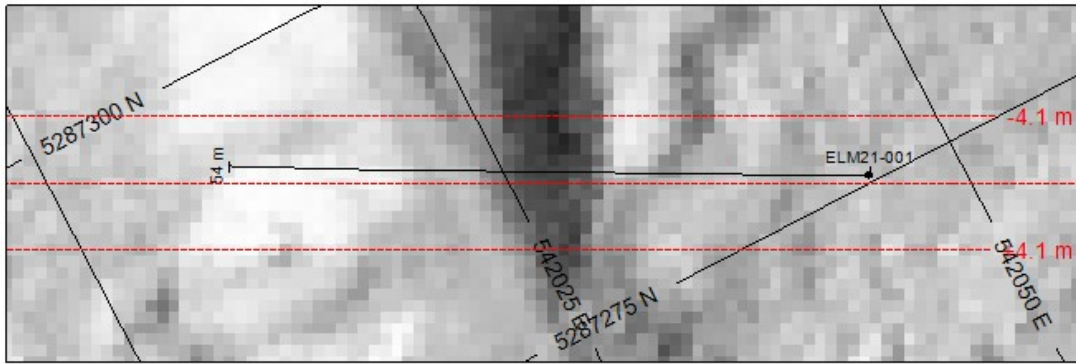
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**Battery Mineral Resources Corp.**

**Elk Lake - Mapes**

**Plan Map - Diamond Drill Holes**



## HOLES PLOTTED

TOTAL 1  
ELM21-001




### TOPOGRAPHY

— Elevation.GRD

### ROCK CODES

Lithology

### PAT LABEL

Overburden  
 Nipissing Diabase  
 Carbonate Vein  
 Workings

### ASSAYS

Ag\_ppm

Co\_ppm

### L/R

R

L

### TEXT RANGE

----- Min 2

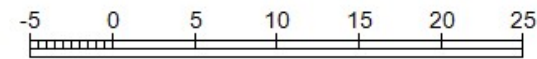
----- Min 500

### SECTION SPECS:

REF. PT. E, N 542027 m 5287284 m  
 EXTENTS 65.7 m 54.46 m  
 SECTION TOP, BOT 375.1 m 320.7 m  
 TOLERANCE +/- 4.085 m

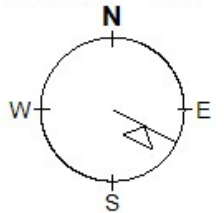
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(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 117.4°

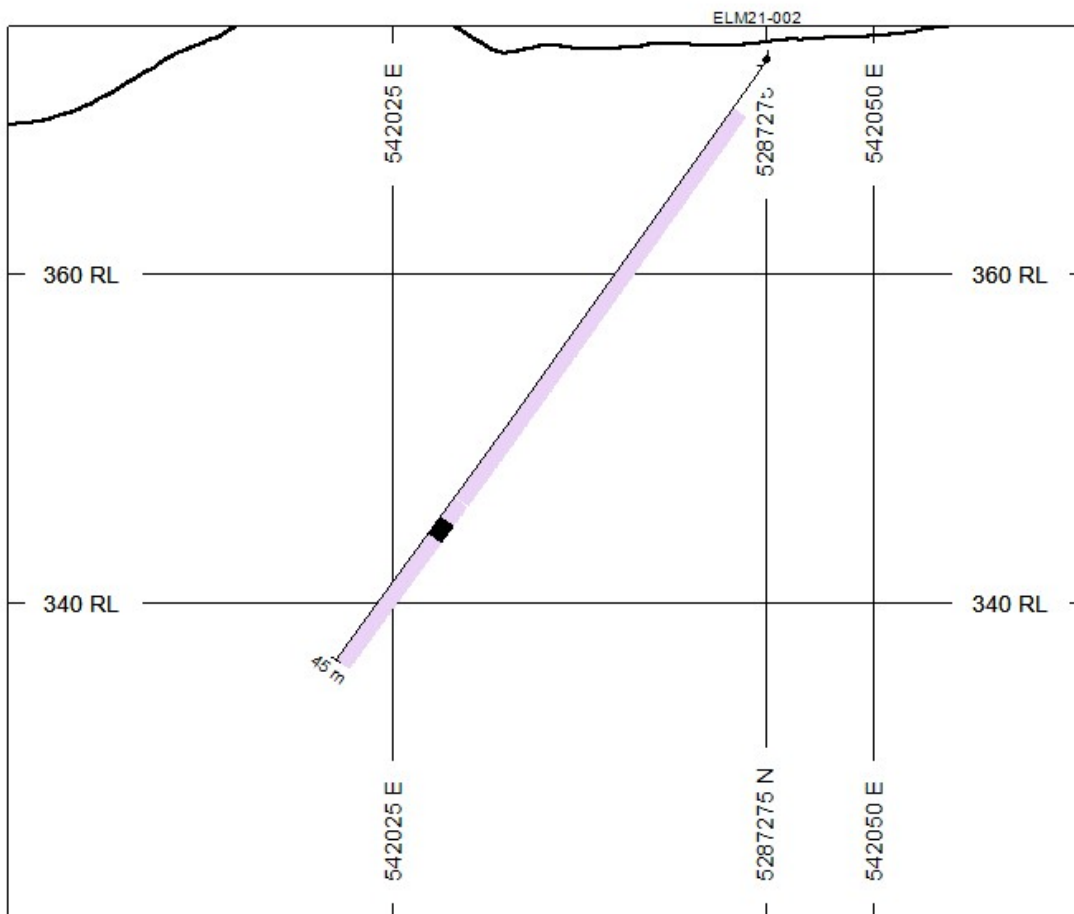
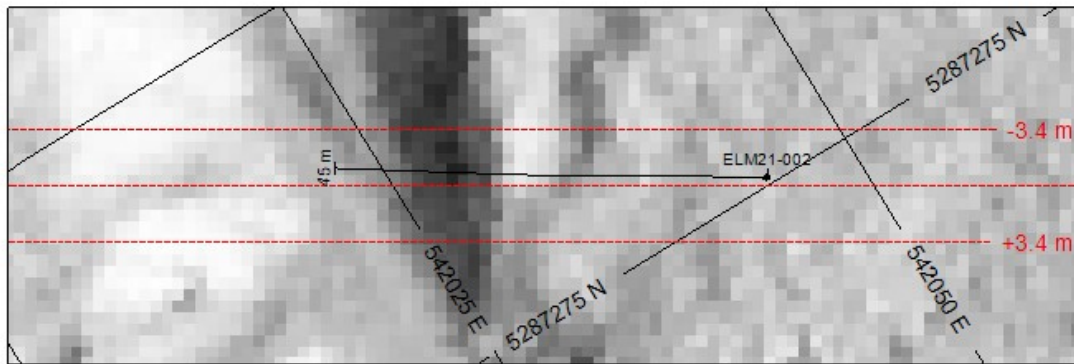


Battery Mineral Resources Corp.

Elk Lake - Mapes

ELM21-001

Azimuth: 298.67 Dip: -43.77



## HOLES PLOTTED

TOTAL 1  
ELM21-002




### TOPOGRAPHY

— Elevation.GRD

### ROCK CODES

Lithology

### PAT LABEL

Overburden  
 Nipissing Diabase  
 Carbonate Vein  
 Workings

### ASSAYS

Ag\_ppm  
Co\_ppm

### L/R TEXT RANGE

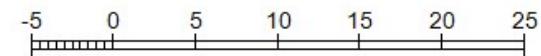
R --- Min 2  
L --- Min 500

### SECTION SPECS:

REF. PT. E, N 542033 m 5287282 m  
 EXTENTS 65.7 m 54.46 m  
 SECTION TOP, BOT 375.1 m 320.7 m  
 TOLERANCE +/- 3.445 m

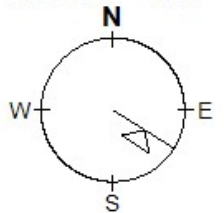
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(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 121.6°

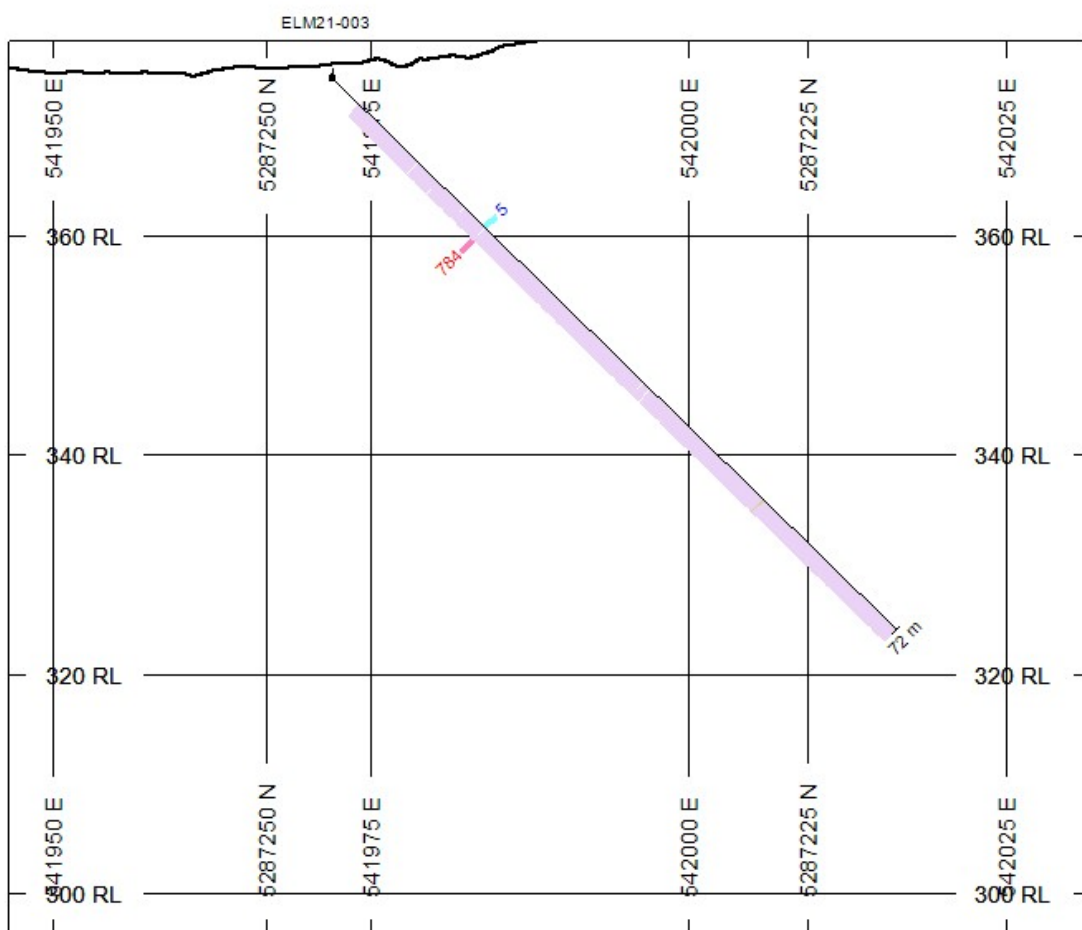
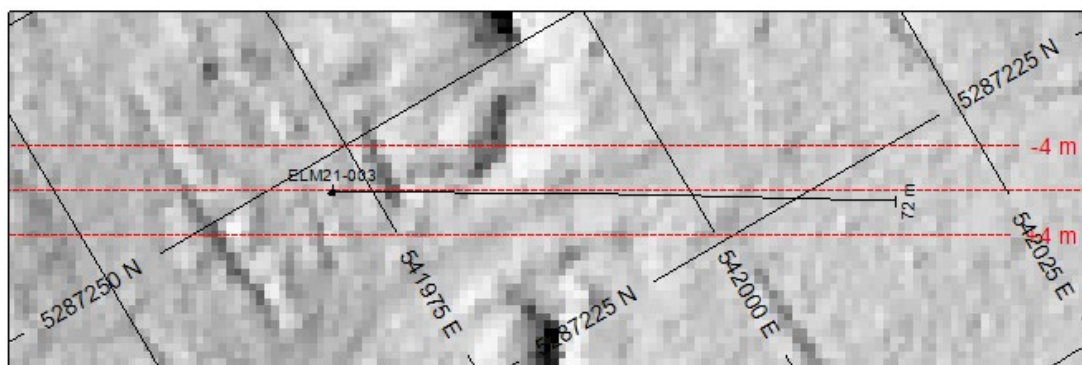


Battery Mineral Resources Corp.

Elk Lake - Mapes

ELM21-002

Azimuth: 301.26 Dip: -54.45



## HOLES PLOTTED

TOTAL 1

ELM21-003

### TOPOGRAPHY

— Elevation.GRD

NUMBER BANDS	L/R	PATTERN	RANGE
Ag_ppm	R		2 to 7

NUMBER BANDS	L/R	PATTERN	RANGE
Co_ppm	L		500 to 1000

ROCK CODES	PAT	LABEL
Lithology		Overburden
		Nipissing Diabase
		Carbonate Vein
		Quartz-Carbonate Vein
		Aplite Dyke

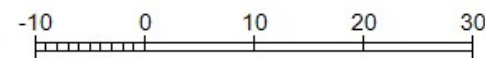
ASSAYS	L/R	TEXT	RANGE
Ag_ppm	R		Min 2
Co_ppm	L		Min 500

### SECTION SPECS:

REF. PT. E, N	541989 m	5287237 m
EXTENTS	98.55 m	81.7 m
SECTION TOP, BOT	377.9 m	296.2 m
TOLERANCE +/-	4.045 m	

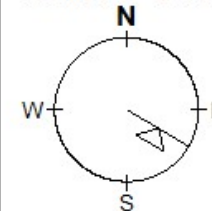
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(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 120.4°

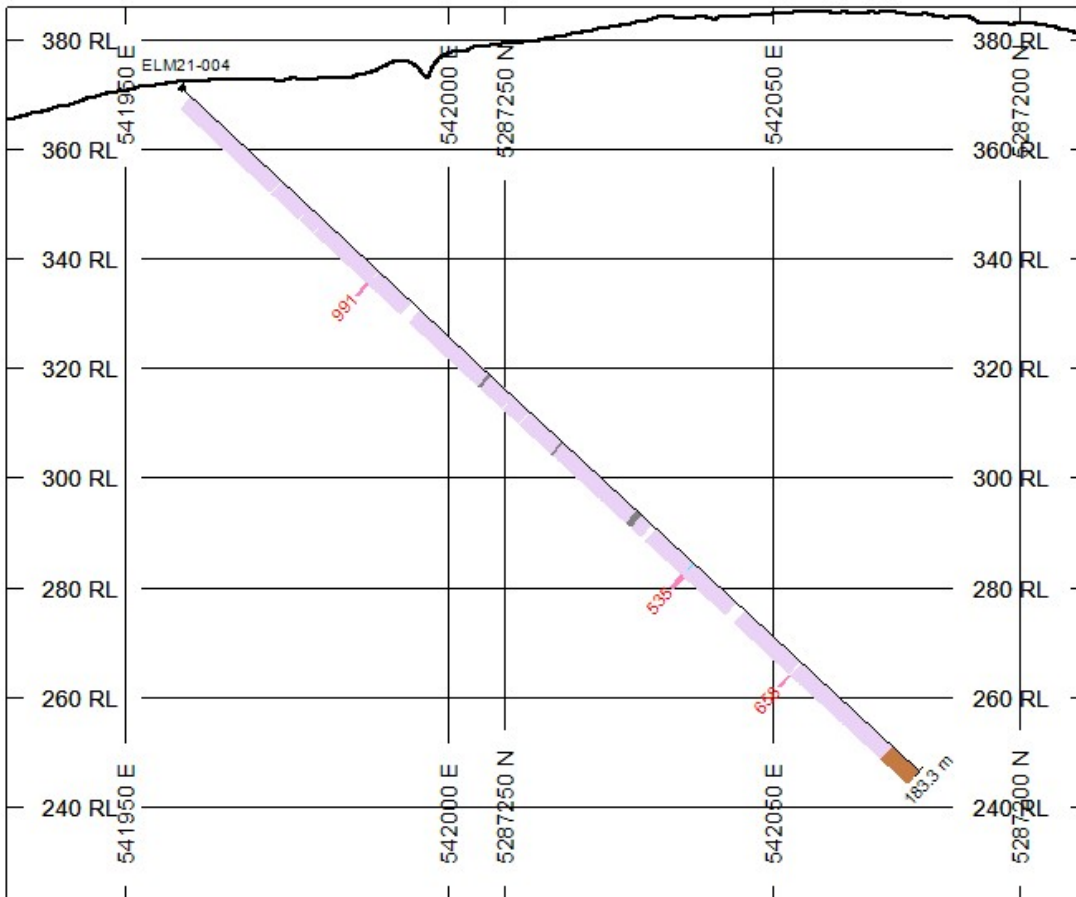
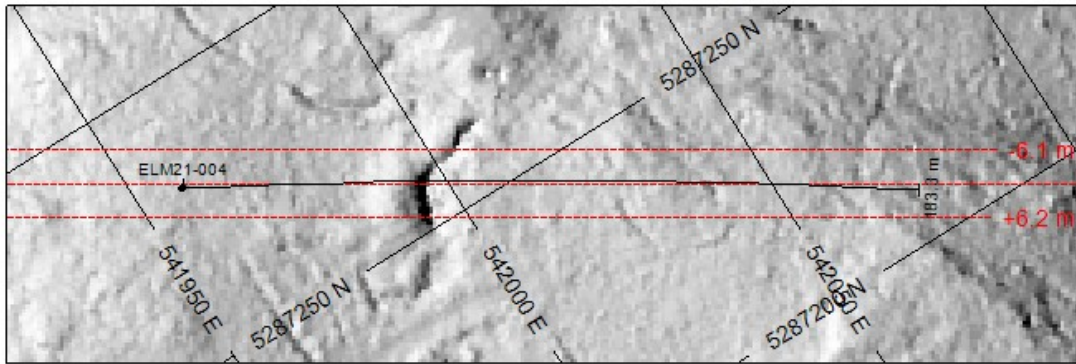


Battery Mineral Resources Corp.

Elk Lake - Mapes

ELM21-003

Azimuth: 120.16 Dip: -44.75



## HOLES PLOTTED

TOTAL 1

ELM21-004

### TOPOGRAPHY

Elevation.GRD

NUMBER BANDS	L/R	PATTERN	RANGE
Co_ppm	L		500 to 1000

ROCK CODES	PAT	LABEL
Lithology		Overburden
		Nipissing Diabase
		Cobalt Vein
		Carbonate Vein
		Quartz-Carbonate Vein
		Quartz Vein
		Siltstone
		Fault

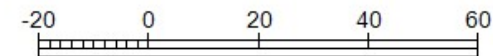
ASSAYS	L/R	TEXT	RANGE
Ag_ppm	R		Min 2
Co_ppm	L		Min 500

### SECTION SPECS:

REF. PT. E, N	542015 m	5287246 m
EXTENTS	197.1 m	163.4 m
SECTION TOP, BOT	386 m	222.6 m
TOLERANCE +/-	6.15 m	

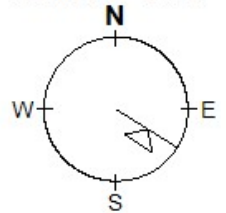
SCALE 1 : 1500

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 122.1°

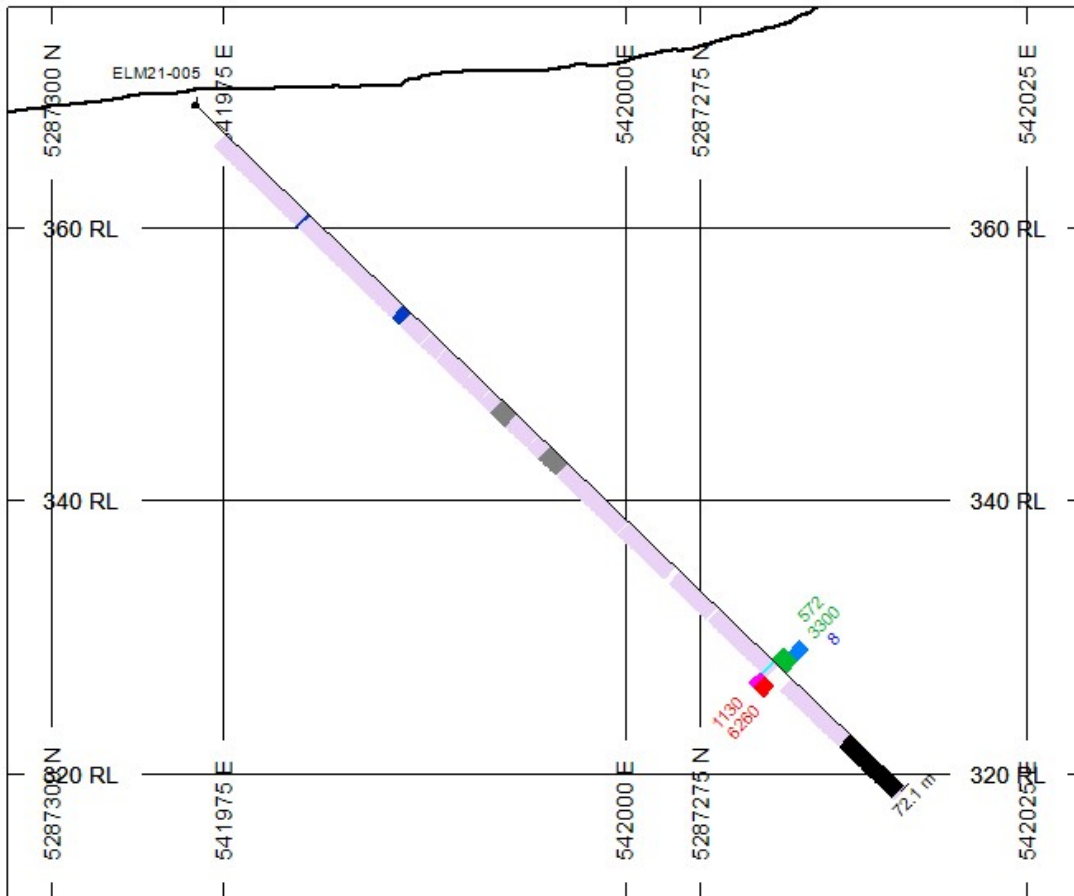
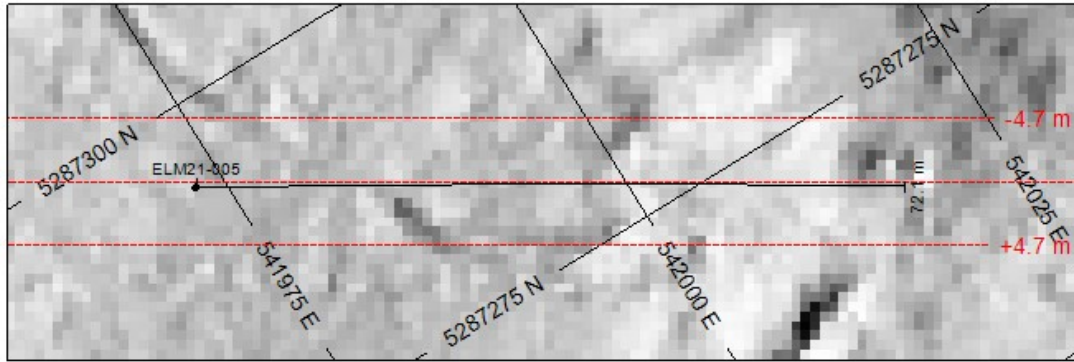


Battery Mineral Resources Corp.

Elk Lake - Mapes

ELM21-004

Azimuth: 119.72 Dip: -43.09



## HOLES PLOTTED

TOTAL 1

ELM21-005

### TOPOGRAPHY

Elevation.GRD

NUMBER BANDS	L/R	PATTERN	RANGE
Ag_ppm	R	[Blue]	7 to 30

NUMBER BANDS	L/R	PATTERN	RANGE
Co_ppm	L	[Magenta]	1000 to 5000 5000 to 10000

NUMBER BANDS	L/R	PATTERN	RANGE
Ni_ppm	R	[Green]	500 to 10000

### ROCK CODES

Lithology

PAT	LABEL
[Light Purple]	Overburden
[Pink]	Nipissing Diabase
[Cyan]	Cobalt Vein
[Yellow]	Carbonate Vein
[Orange]	Quartz-Carbonate Vein
[Dark Blue]	Mafic Dyke
[Black]	Fault
[Grey]	Workings

### ASSAYS

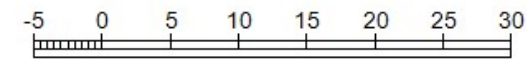
L/R	TEXT	RANGE
R	[Blue]	Min 2
L	[Red]	Min 500
R	[Green]	Min 500

## SECTION SPECS:

REF. PT. E, N 541995 m 5287281 m  
 EXTENTS 78.84 m 65.36 m  
 SECTION TOP, BOT 376.2 m 310.9 m  
 TOLERANCE +/- 4.66 m

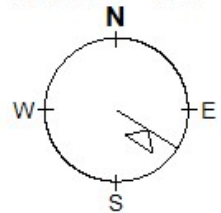
SCALE 1 : 600

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 121.7°



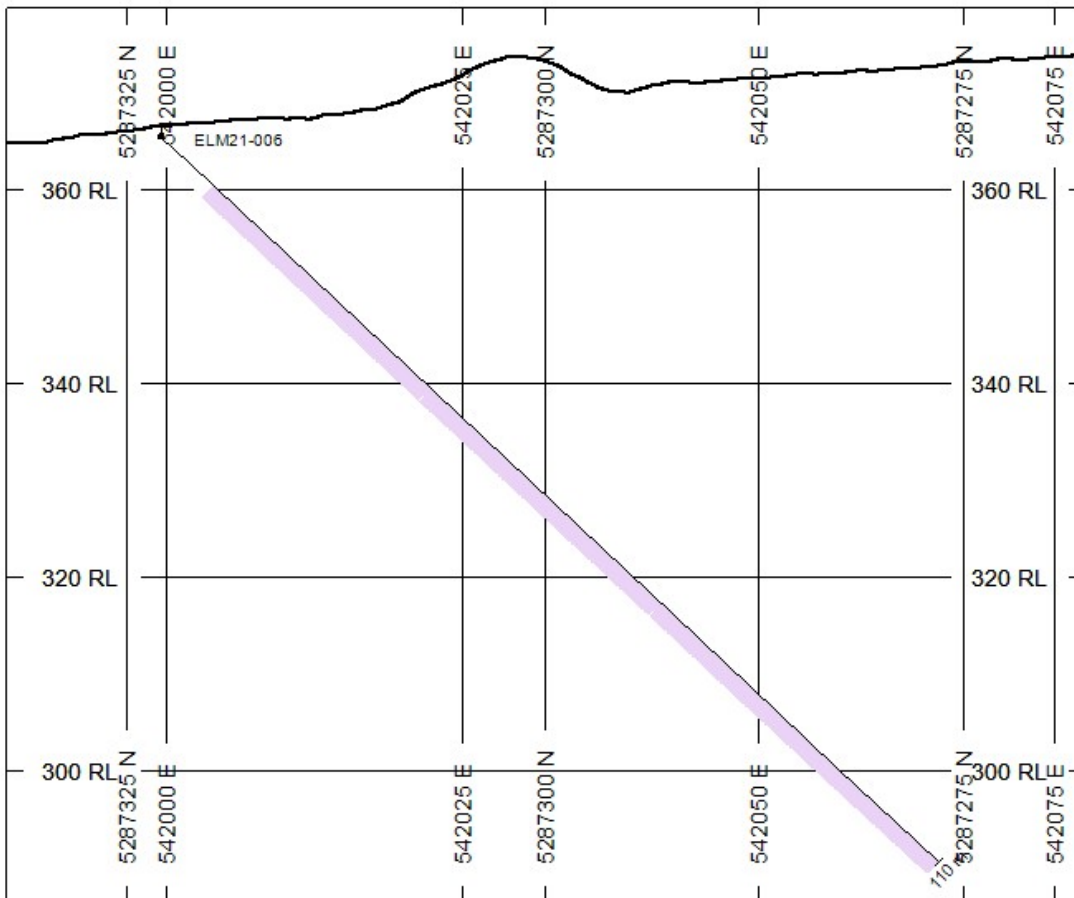
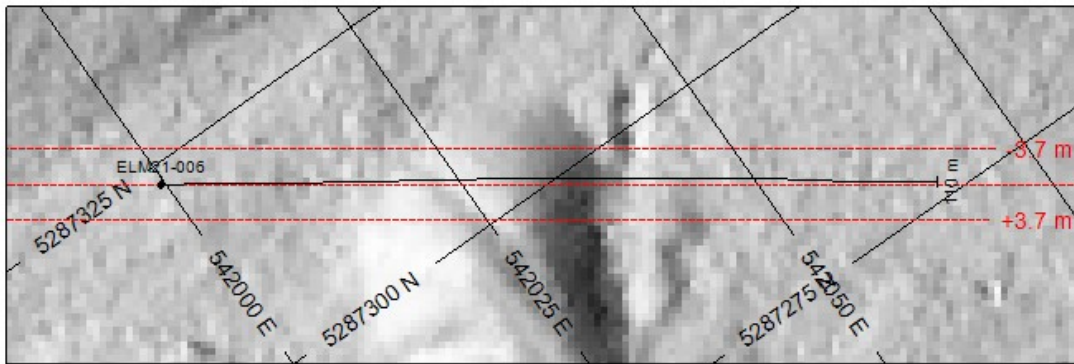
Battery Mineral Resources Corp.

Elk Lake - Mapes

ELM21-005

Azimuth: 121.58 Dip: -43.86





## HOLES PLOTTED

TOTAL 1  
ELM21-006

### TOPOGRAPHY

— Elevation.GRD


### ROCK CODES

Lithology

PAT

LABEL

Overburden

 Nipissing Diabase

Quartz-Carbonate Vein

### ASSAYS

Ag\_ppm

Co\_ppm

L/R

R

L

TEXT

----- Min 2

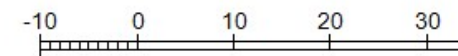
----- Min 500

### SECTION SPECS:

REF. PT. E, N 542032 5287300 m  
EXTENTS 111.7 m 92.59 m  
SECTION TOP, BOT 379 m 286.4 m  
TOLERANCE +/- 3.69 m

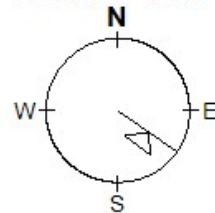
SCALE 1 : 850

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 125.3°

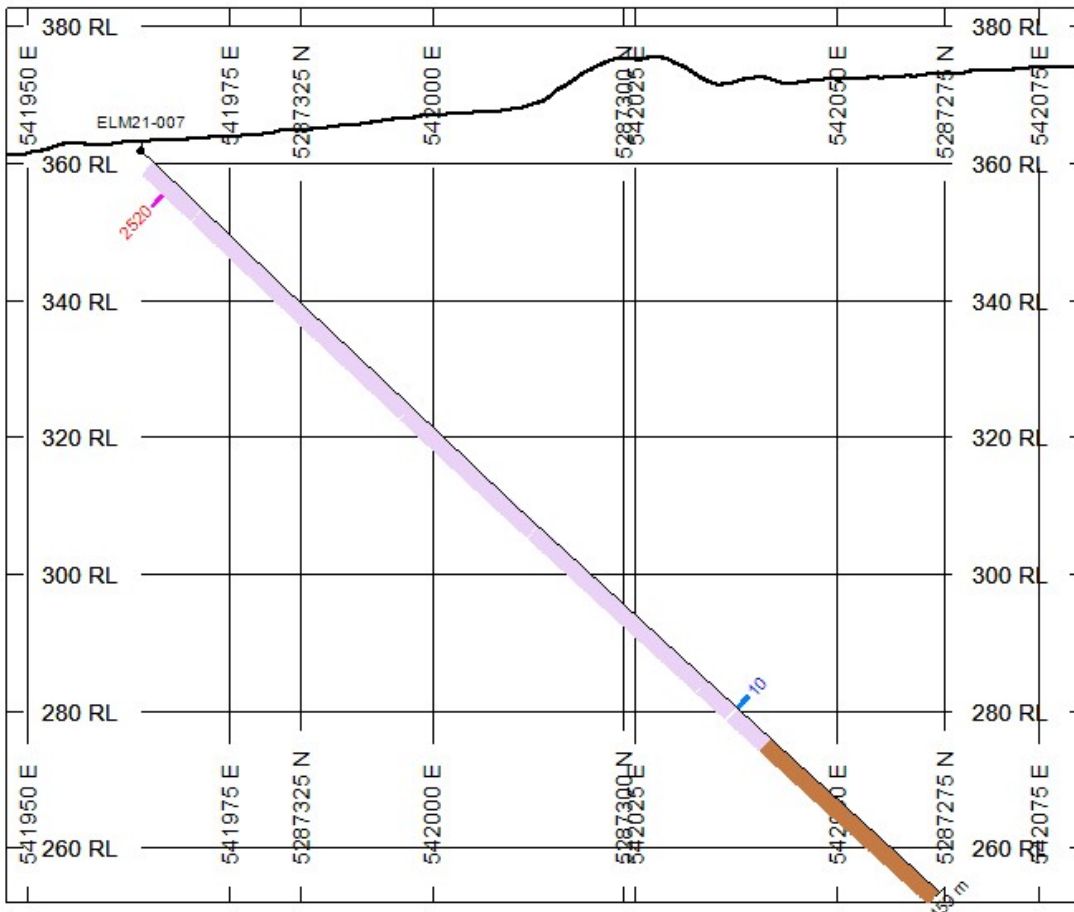
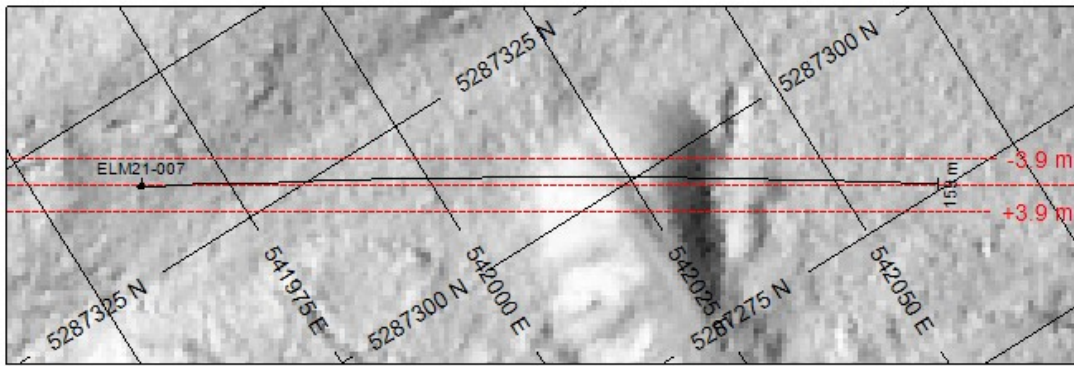


**Battery Mineral Resources Corp.**

**Elk Lake - Mapes**

**ELM21-006**

**Azimuth: 124.98 Dip: -42.99**



## HOLES PLOTTED

TOTAL 1

ELM21-007

### TOPOGRAPHY

— Elevation.GRD

NUMBER BANDS	L/R	PATTERN	RANGE
Ag_ppm	R		7 to 30

NUMBER BANDS	L/R	PATTERN	RANGE
Co_ppm	L		1000 to 5000

ROCK CODES	PAT	LABEL
Lithology		Overburden
		Nipissing Diabase
		Carbonate Vein
		Quartz-Carbonate Vein
		Siltstone

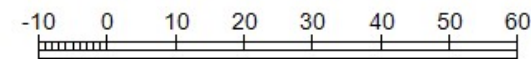
ASSAYS	L/R	TEXT	RANGE
Ag_ppm	R		Min 2
Co_ppm	L		Min 500

### SECTION SPECS:

REF. PT. E, N 542014 m 5287306 m  
 EXTENTS 157.7 m 130.7 m  
 SECTION TOP, BOT 382.8 m 252.1 m  
 TOLERANCE +/- 3.91 m

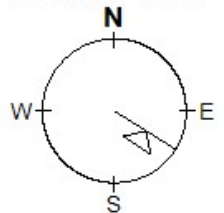
SCALE 1 : 1200

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 122.1°

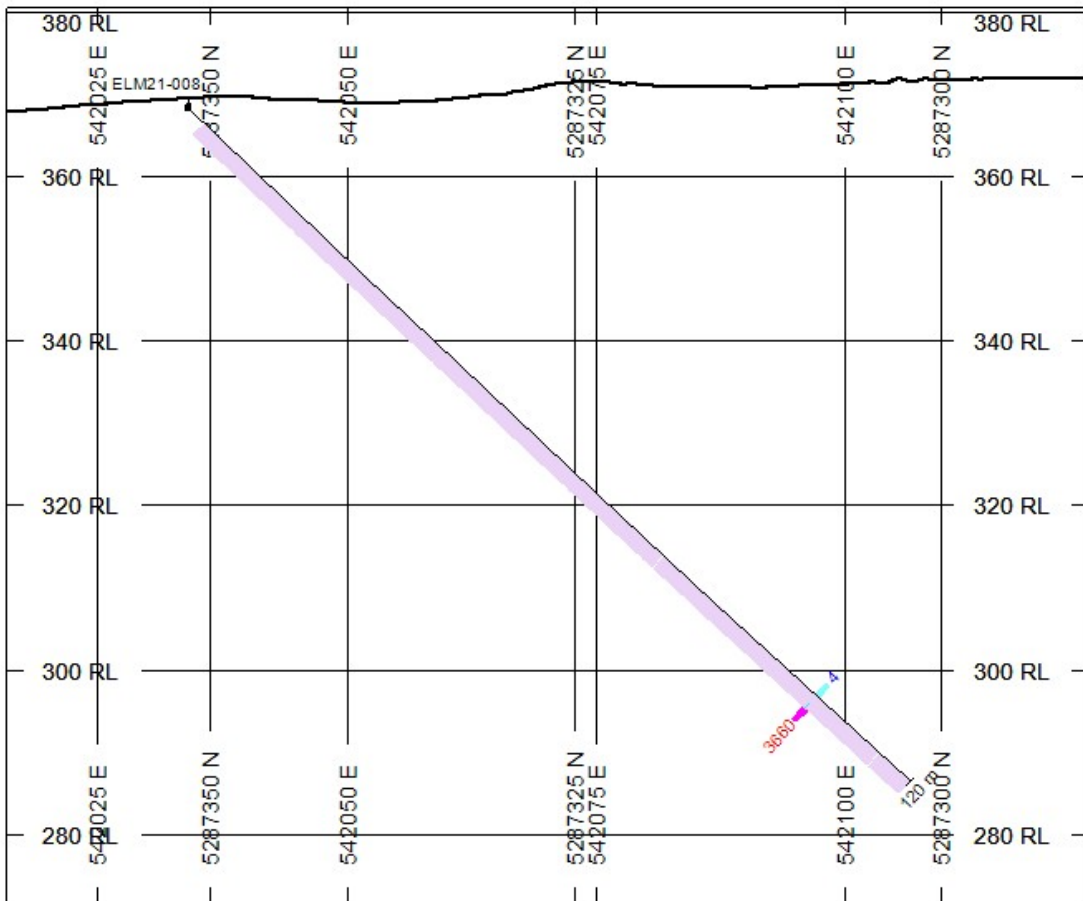
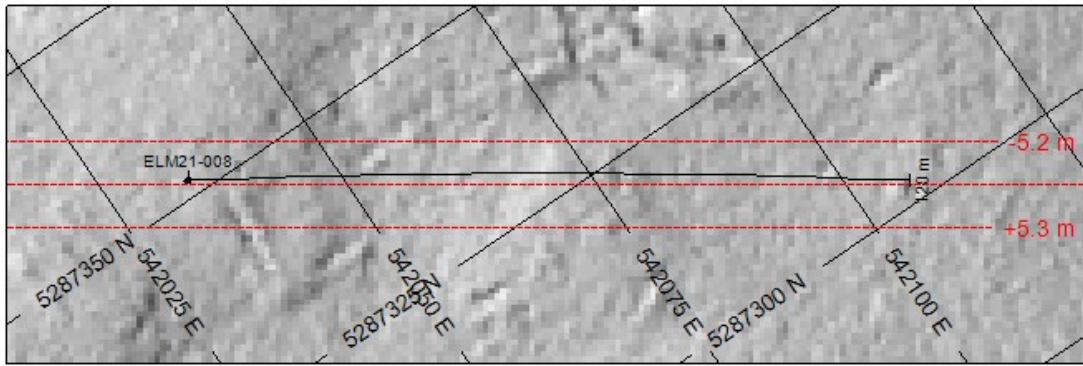


**Battery Mineral Resources Corp.**

**Elk Lake - Mapes**

**ELM21-007**

**Azimuth: 121.92 Dip: -42.85**



## HOLES PLOTTED

TOTAL 1

ELM21-008

### TOPOGRAPHY

— Elevation.GRD

NUMBER BANDS L/R PATTERN RANGE

Ag\_ppm R    2 to 7

NUMBER BANDS L/R PATTERN RANGE

Co\_ppm L    1000 to 5000

ROCK CODES PAT LABEL

Lithology

   Overburden

   Nipissing Diabase

   Cobalt Vein

   Quartz-Carbonate Vein

ASSAYS

L/R TEXT RANGE

Ag\_ppm R --- Min 2

Co\_ppm L --- Min 500

### SECTION SPECS:

REF. PT. E, N 542070 m 5287327 m

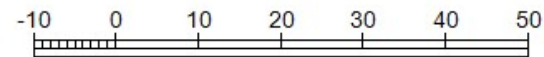
EXTENTS 131.4 m 108.9 m

SECTION TOP, BOT 380.6 m 271.7 m

TOLERANCE +/- 5.25 m

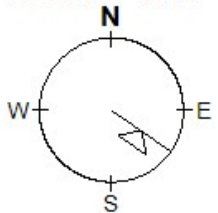
SCALE 1 : 1000

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 124.3°

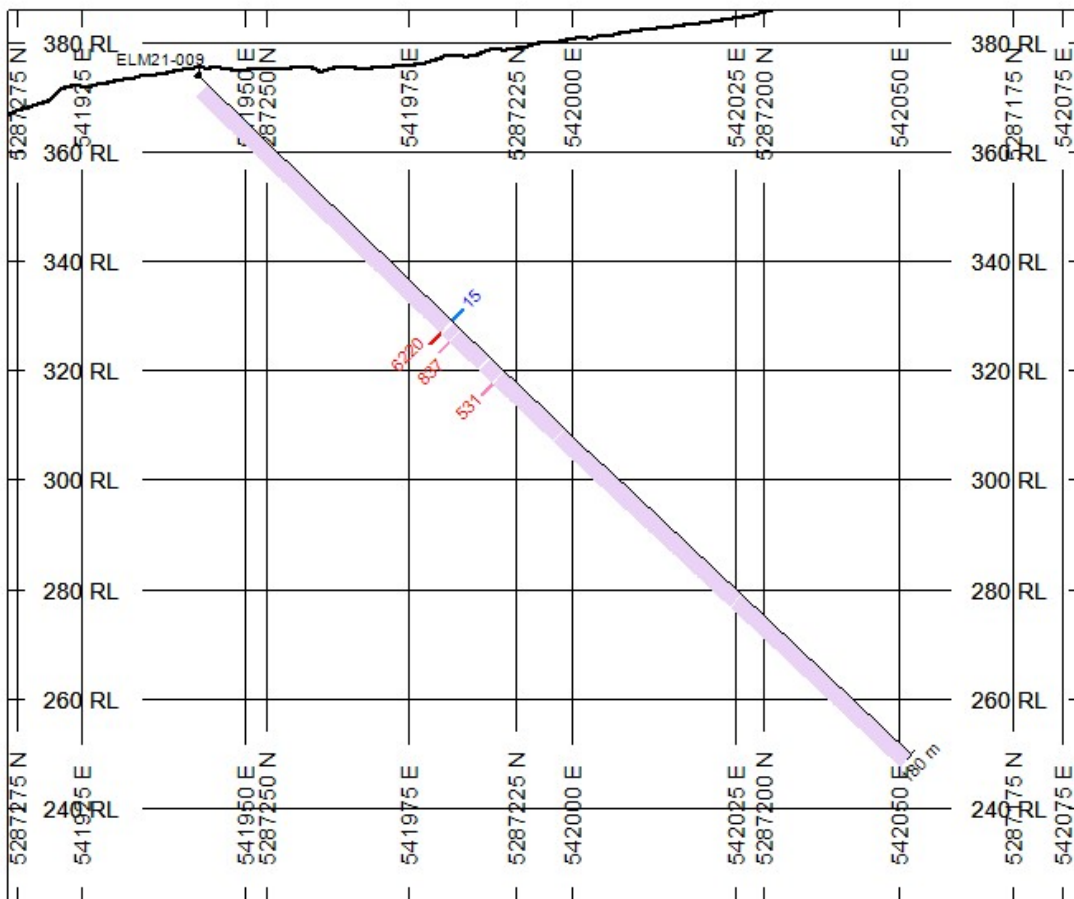
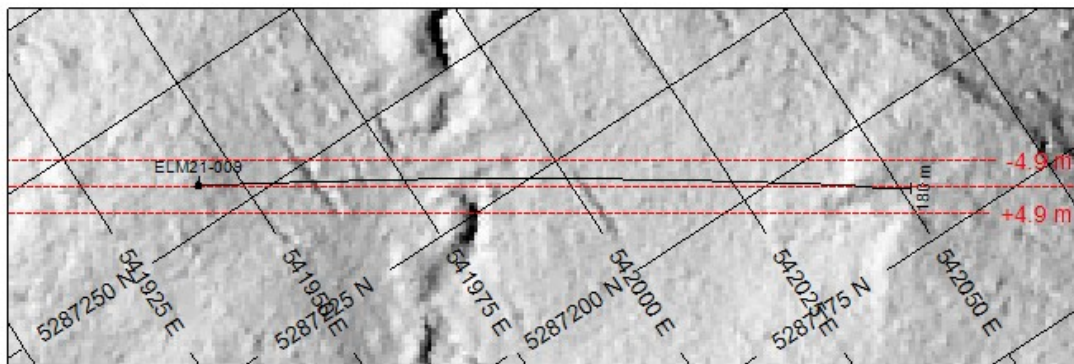


Battery Mineral Resources Corp.

Elk Lake - Mapes

ELM21-008

Azimuth: 124.24 Dip: -43.05



## HOLES PLOTTED

TOTAL 1

ELM21-009

### TOPOGRAPHY

— Elevation.GRD

NUMBER BANDS L/R PATTERN RANGE


Ag\_ppm R  7 to 30

NUMBER BANDS L/R PATTERN RANGE

Co\_ppm L  500 to 1000  
5000 to 10000

ROCK CODES PAT LABEL

Lithology

Overburden  
 Nipissing Diabase  
 Carbonate Vein  
 Quartz-Carbonate Vein

ASSAYS L/R TEXT RANGE

Ag\_ppm R  Min 2

Co\_ppm L  Min 500

### SECTION SPECS:

REF. PT. E, N 541996 m 5287222 m

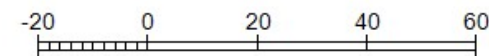
EXTENTS 197.1 m 163.4 m

SECTION TOP, BOT 386 m 222.6 m

TOLERANCE +/- 4.885 m

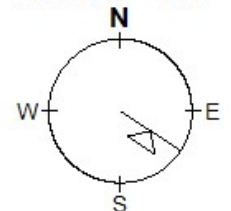
SCALE 1 : 1500

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 123.3°

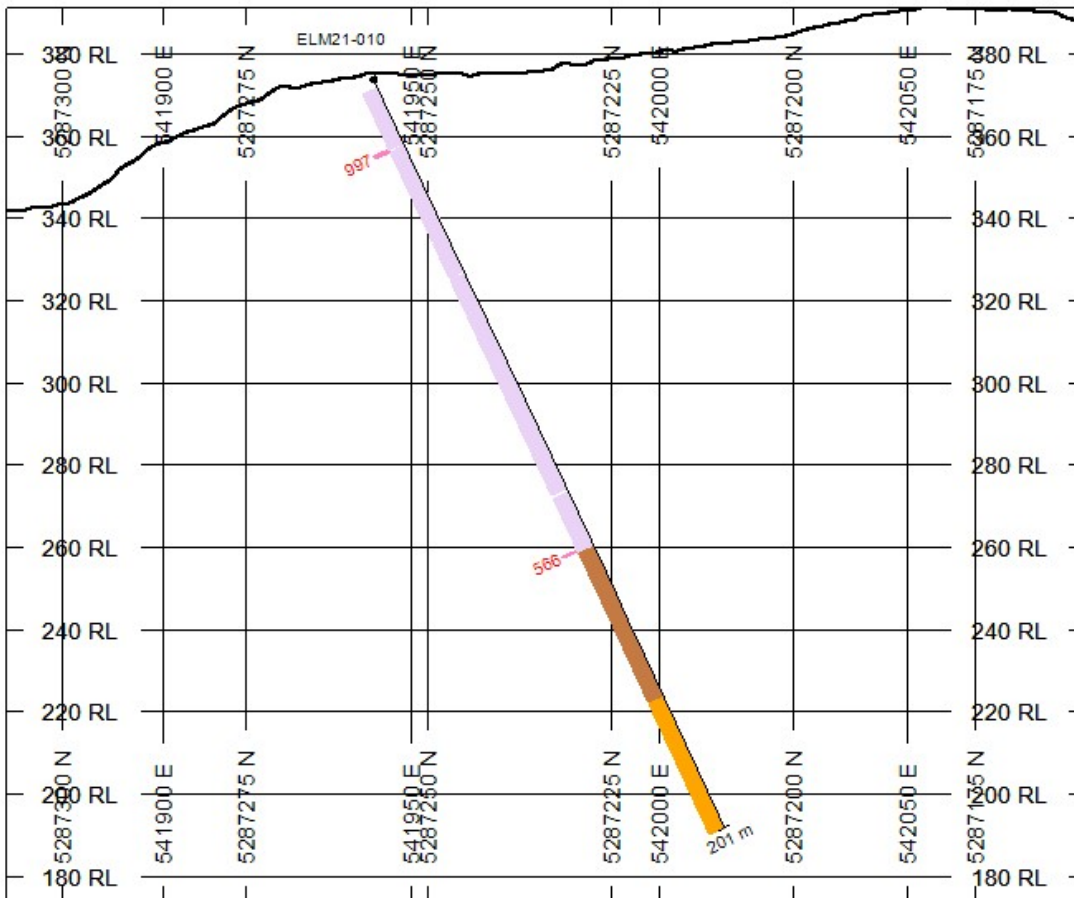
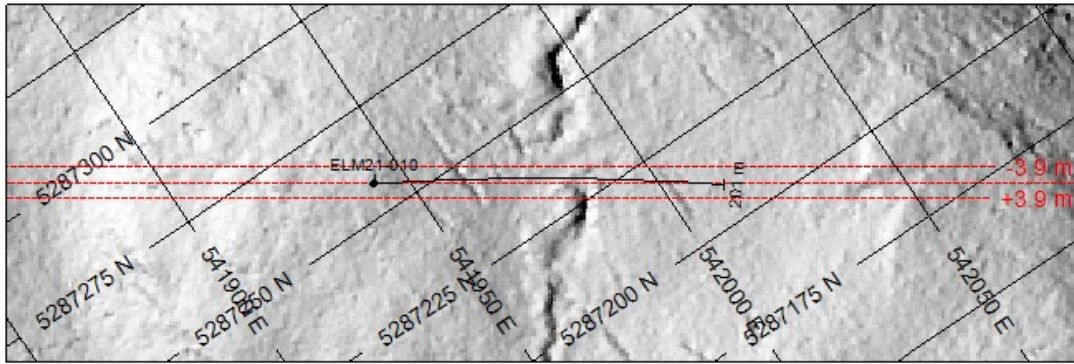


Battery Mineral Resources Corp.

Elk Lake - Mapes

ELM21-009

Azimuth: 123.49 Dip: -43.55



## HOLES PLOTTED

TOTAL 1

ELM21-010

### TOPOGRAPHY

— Elevation.GRD

NUMBER BANDS	L/R	PATTERN	RANGE
Co_ppm	L		500 to 1000

ROCK CODES	PAT	LABEL
Lithology		Overburden
		Nipissing Diabase
		Carbonate Vein
		Quartz-Carbonate Vein
		Quartz Vein
		Siltstone
		Conglomerate

ASSAYS	L/R	TEXT	RANGE
Ag_ppm	R		Min 2
Co_ppm	L		Min 500

### SECTION SPECS:

REF. PT. E, N	541977 m	5287234 m
EXTENTS	262.8 m	217.9 m
SECTION TOP, BOT	391.5 m	173.6 m
TOLERANCE +/-	3.855 m	

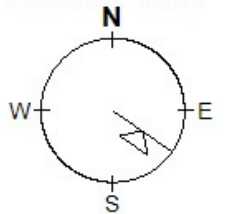
SCALE 1 : 2000

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 124.2°

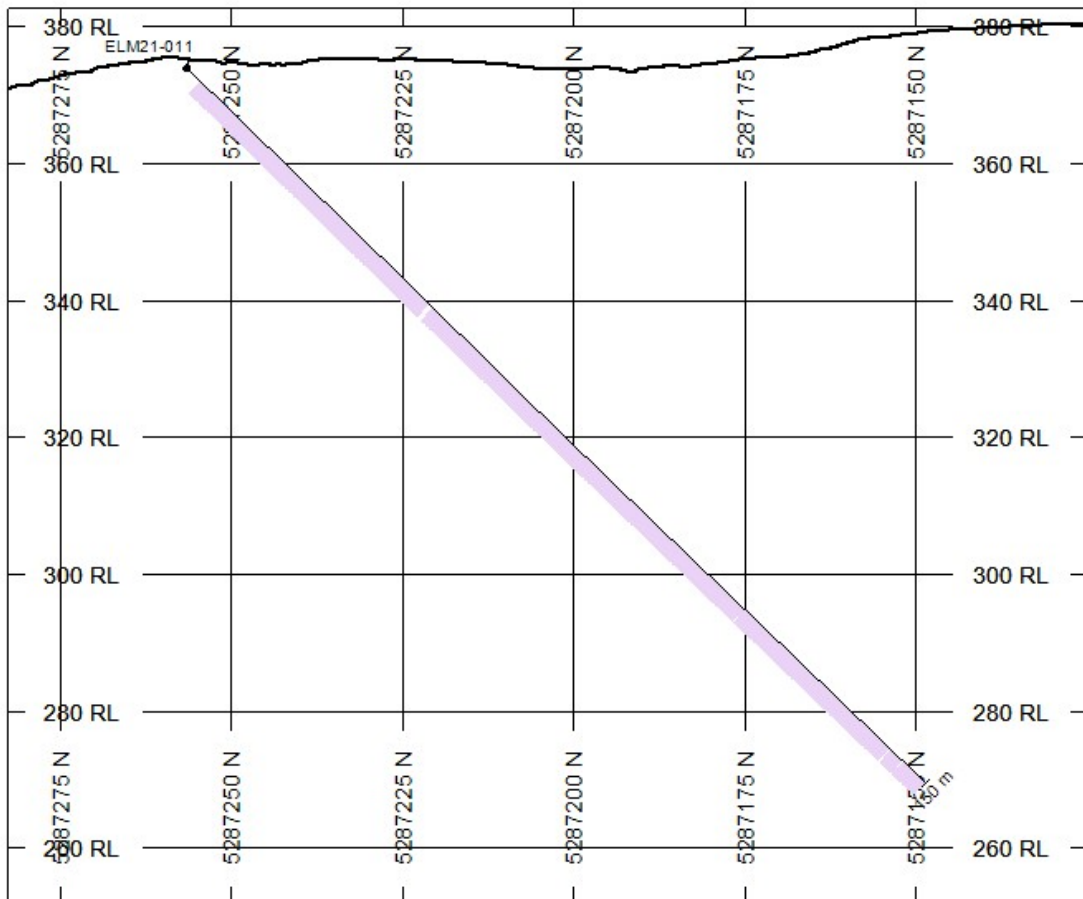
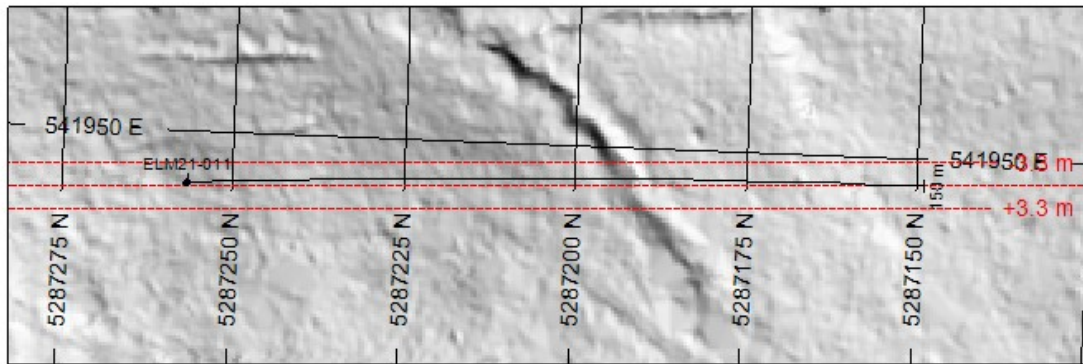


**Battery Mineral Resources Corp.**

**Elk Lake - Mapes**

**ELM21-010**

**Azimuth: 124.32 Dip: -64.87**



## HOLES PLOTTED

TOTAL 1

ELM21-011

### TOPOGRAPHY

— Elevation.GRD

### ROCK CODES

Lithology

### PAT LABEL

Nipissing Diabase  
 Carbonate Vein  
 Quartz-Carbonate Vein  
 Quartz Vein

### ASSAYS

Ag\_ppm

Co\_ppm

### L/R TEXT RANGE

R --- Min 2

L --- Min 500

### SECTION SPECS:

REF. PT. E, N 541944 m 5287204 m

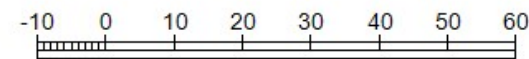
EXTENTS 157.7 m 130.7 m

SECTION TOP, BOT 382.8 m 252.1 m

TOLERANCE +/- 3.32 m

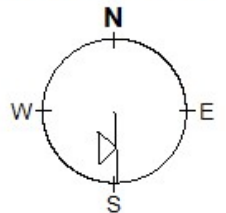
SCALE 1 : 1200

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 177.8°

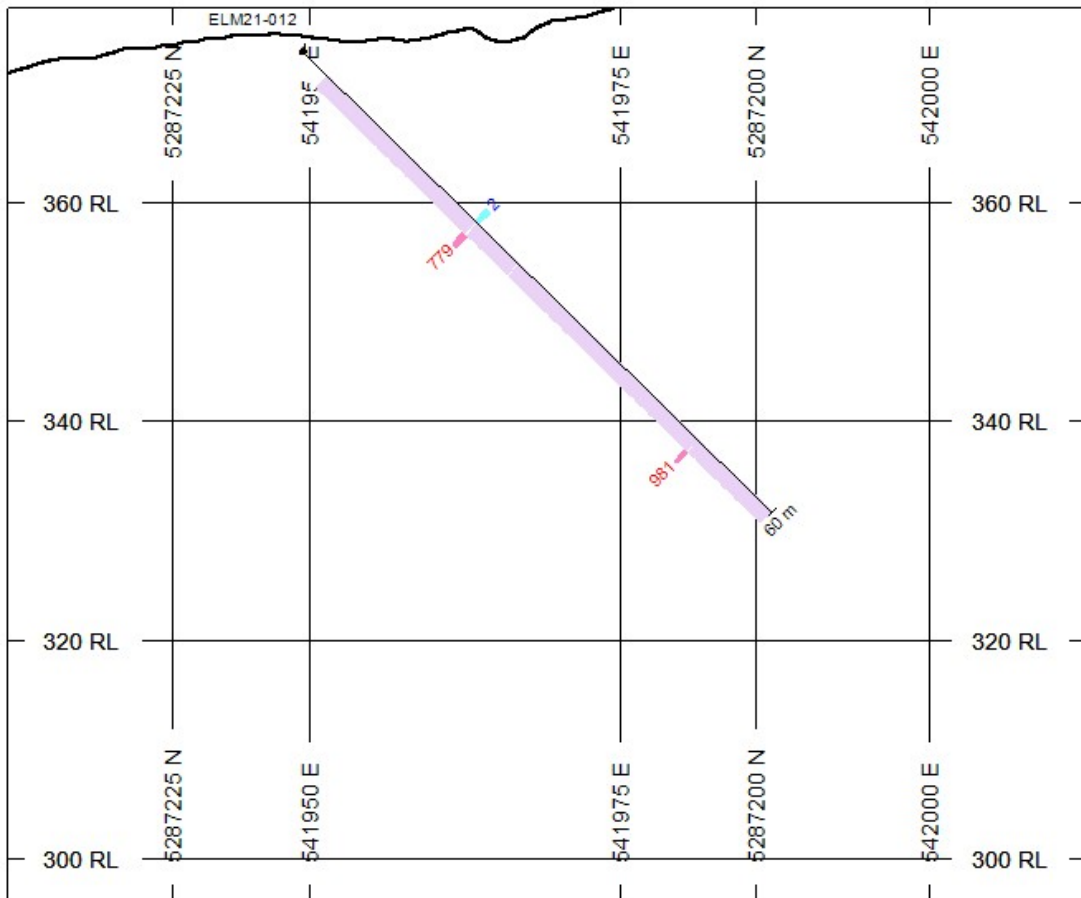
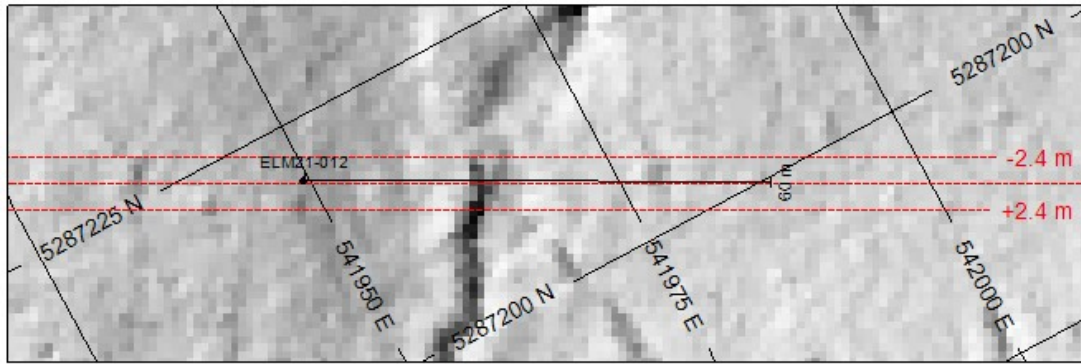


**Battery Mineral Resources Corp.**

**Elk Lake - Mapes**

**ELM21-011**

**Azimuth: 178.09 Dip: -44.03**



## HOLES PLOTTED

TOTAL 1

ELM21-012

### TOPOGRAPHY

— Elevation.GRD

NUMBER BANDS L/R PATTERN RANGE

Ag\_ppm R  2 to 7

NUMBER BANDS L/R PATTERN RANGE

Co\_ppm L  500 to 1000

ROCK CODES PAT LABEL

Lithology  Overburden  
 Nipissing Diabase  
 Carbonate Vein  
 Quartz-Carbonate Vein

ASSAYS L/R TEXT RANGE

Ag\_ppm R --- Min 2

Co\_ppm L --- Min 500

### SECTION SPECS:

REF. PT. E, N 541969 m 5287209 m

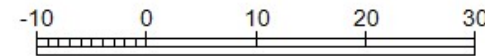
EXTENTS 98.55 m 81.7 m

SECTION TOP, BOT 377.9 m 296.2 m

TOLERANCE +/- 2.4 m

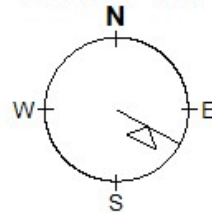
SCALE 1 : 750

(m)



NAD83(2011) / UTM zone 17N

AZIMUTH = 118°



**Battery Mineral Resources Corp.**

**Elk Lake - Mapes**

**ELM21-012**

**Azimuth: 118.12 Dip: -44.41**

Cost

		16-Apr-21 21-Jul-21	01-May-21 15-Jun-21	12-Jun-21 30-Jun-21	23-Apr-21 23-Apr-21	07-May-21 07-May-21	07-May-21 07-May-21	07-May-21 07-May-21	07-May-21 07-May-21	16-Apr-21 07-May-21	20-Apr-21 20-Apr-21	17-May-21 01-Jun-21			
			Contractor				Contractor				Rental -				
		Invoiced	Drilling	Assays	Road Const	MOB	Road Const	Road Const	Supplies	MOB	Power	Sampling core			
		157909.71	157910	17105.59	17106	325	2800	8000	8000	600	750	833.75	8400		
		Rounded	157910	17106	17106	325	2800	8000	8000	600	750	834	8400		
		Cost per units	112.28	53.96	650	175	200	200	300	750	833.75	400			
			1406	317	0.5	16	40	0	2	1	1	21			
	0 check		0	0	0	0	0	0	0	0	0	0			
	1406.36	<b>291626</b>	<b>291626</b>	<b>TOTALS</b>	157910	17106	325	2800	8000	8000	600	750	834	8400	
	m	cells													
4-5-6-7-8	0.458175716	644.36	246201	133616	133615.9514	72350.52732	7837.553798	148.9071077	1282.892005	3665.405728	3665.405728	274.9054296	343.631787	382.1185472	3848.676015
1-2-3	0.121590489	171	246202	35459	35458.94792	19200.35411	2079.926903	39.5169089	340.453369	972.7239114	972.7239114	72.95429335	91.19286669	101.4064678	1021.360107
9-10-11	0.377570466	531	292170	110109	110109.3646	59622.15222	6458.720385	122.7104013	1057.197304	3020.563725	3020.563725	226.5422794	283.1778492	314.8937683	3171.591911
12	0.042663329	60	310406	12442	12441.73611	6736.966353	729.7989135	13.86558207	119.4573224	341.3066356	341.3066356	25.59799767	31.99749708	35.58121676	358.3719673

- 1 54
- 2 45
- 3 72
- 4 183.31
- 5 72.05
- 6 110
- 7 159
- 8 120
- 9 180
- 10 201
- 11 150
- 12 60

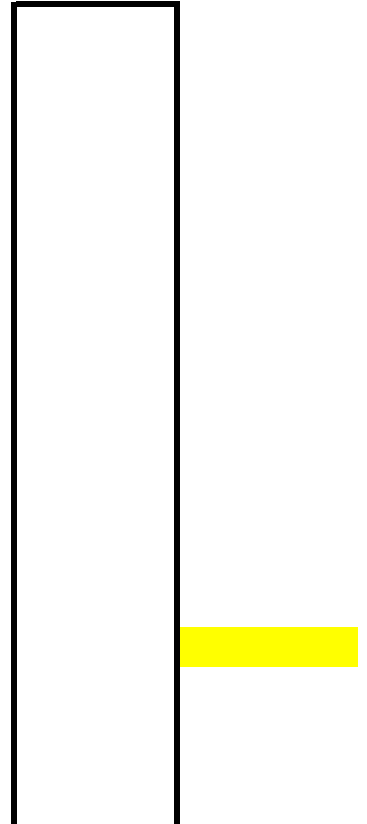


17-May-21	17-May-21	15-May-21	15-May-21	15-May-21	01-May-21	15-May-21	15-May-21	21-Jul-21	21-Jul-21	18-May-21	08-May-21	23-Apr-21	07-May-21
17-May-21	17-May-21	31-May-21	31-May-21	31-May-21	15-May-21	31-May-21	31-May-21	21-Jul-21	21-Jul-21	06-Jun-21	16-Jun-21	16-Jun-21	08-Jun-21
Rental Inreach	Rental SatPhone	Sampling Core	Rental Core Saw	Sampling core	Rental Forklift	Rental Forklift	Rental Trailer	Contractor MOB	Geophysical Other	Geological	Geological Sean	Geological Frank	Geological Peter
976	1500	1125	150	300	255	200	2500	200	1300	20475	17150	12937.5	12980.79
976	1500	1125	150	300	255	200	2500	200	1300	20475	17150	12938	12981
488	500	375	50	300	85	100	1250	200	1300	525	700	750	961.54
2	3	3	3	1	3	2	2	1	1	39	5.1	17.3	13.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0
976	1500	1125	150	300	255	200	2500	200	1300	20475	17150	12938	12981
447.1794988	687.263574	515.4476805	68.7263574	137.4527148	116.8348076	91.63514321	1145.43929	91.63514321	595.6284308	9381.147786	7857.71353	5927.877414	5947.57897
118.6723172	182.3857334	136.7893	18.23857334	36.47714668	31.00557468	24.31809778	303.9762223	24.31809778	158.0676356	2489.565261	2085.276885	1573.137746	1578.366137
368.5087744	566.3556984	424.7667738	56.63556984	113.2711397	96.28046873	75.51409312	943.926164	75.51409312	490.8416053	7730.755283	6475.333485	4885.006684	4901.242214
41.63940954	63.99499417	47.99624563	6.399499417	12.79899883	10.87914901	8.532665889	106.6583236	8.532665889	55.46232828	873.5316704	731.6761	551.9781564	553.8126795

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08-May-21 23-Apr-21 07-May-21  
16-Jun-21 16-Jun-21 08-Jun-21

Accom	Accom	Accom
1762.5	8025	5062.5
1763	8025	5063
75	150	375
23.5	53.5	13.5
0	0	0
1763	8025	5063
807.7637874	3676.860121	2319.74365
214.364032	975.7636736	615.6126454
665.6567309	3030.002986	1911.639267
75.21544981	342.3732188	216.004437





Start	End	number	Classification	Contractor	Invoice #	USD	CDN	92945.34 Total	92946.00 Total (rnd)	cost/unit	unit
<b>Drilling</b>											
		1406	Drilling					157909.71	157,910	112.28	per meter
2021-05-01	2021-05-15			G4	152-374-2021515		47972.78				
2021-05-16	2021-05-31				152-374-2021531		90826.37				
2021-06-01	2021-06-15				152-374-2021615		19110.56				
<b>Assays</b>											
		317	Assays					17105.59	17106	53.96	per sample
	13-Jun-21	14	ELM21001	ALS	5546374		659.10				
	12-Jun-21	4	ELM21002	ALS	5546365		210.83				
	13-Jun-21	24	ELM21003	ALS	5546381		1535.72				
	18-Jun-21	45	ELM21004	ALS	5546390		2857.74				
	13-Jun-21	42	ELM21005	ALS	5546380		1925.64				
	15-Jun-21	16	ELM21006	ALS	5546376		748.53				
	16-Jun-21	48	ELM21007	ALS	5546360		3045.46				
	28-Jun-21	16	ELM21012	ALS	5561788		744.49				
	30-Jun-21	13	ELM21008	ALS	5561882		616.20				
	30-Jun-21	36	ELM21009	ALS	5561893		1642.78				
	28-Jun-21	35	ELM21010	ALS	5561894		1582.33				
	28-Jun-21	24	ELM21011	ALS	5561851		1536.77				
<b>Road Const</b>											
		0.5	Establish access					325.00	325	650.00	per day
23-Apr-21	23-Apr-21	0.5		CXS	5897		325.00				
<b>Contractor MOB</b>											
		16.0	Float					2800.00	2,800	175.00	per hour
7-May-21	7-May-21	16.0		CXS	5908		2800.00				
<b>Road Const</b>											
		40.0	Doosan					8000.00	8,000	200.00	per hour
7-May-21	7-May-21	40.0		CXS	5908		8000.00				
<b>Road Const</b>											
		40.0	Dozer					8000.00	8,000	200.00	per hour
7-May-21	7-May-21	40.0		CXS	5908		8000.00				
<b>Supplies</b>											
		2.0	Culverts					600.00	600	300.00	per day
7-May-21	7-May-21	2.0		CXS	5908		600.00				
<b>Contractor MOB</b>											
		1.0						750.00	750	750.00	per hour
16-Apr-21	7-May-21	1.0		CXS	5909		750.00				

Rental	20-Apr-21	20-Apr-21	1.0	Power hookups	CXS	5909	833.75	833.75	834	833.75 total
Sampling	17-May-21	17-May-21	8.0	21.0 Core Tech	CXS	5914	3200.00	8400.00	8,400	400.00 per day
	1-Jun-21	1-Jun-21	13.0		CXS	5937	5200.00			
Rental	17-May-21	17-May-21	2.0	Garmin In Reach	CXS	5914	976.00	976.00	976	488.00 per month
Rental	17-May-21	17-May-21	2.0	Sat phone	CXS	5914	1000.00	1500.00	1,500	500.00 per month
	1-Jun-21	1-Jun-21	1.0		CXS	5937	500.00			
Sampling	15-May-21	31-May-21	3.0	Drill Core	CXS	5960	1125.00	1125.00	1,125	375.00 per day
Rental	15-May-21	31-May-21	3.0	Core saw	CXS	5960	150.00	150.00	150	50.00 per day
Sampling	15-May-21	31-May-21	1.0	Drill Core	CXS	5960	300.00	300.00	300	300.00 per day
Rental	1-May-21	15-May-21	3.0	Forklift		5916	255.00	255.00	255	85.00 per hour
Rental	15-May-21	31-May-21	2.0	Forklift	CXS	5960	200.00	200.00	200	100.00 per hour
Rental	15-May-21	31-May-21	2.0	Mobile logging facilities	CXS	5960	2500.00	2500.00	2,500	1250.00 per week
Contractor MOB		21-Jul-21	1.0	DGPS	CXS	5986	200	200	200	200 per day

Geophysical		21-Jul-21	1.0 Other 1.0 DGPS	CXS	5986	1300	1300	1300 per day
Geological	18-May-21 18-May-21	6-Jun-21 5-Jun-21	80.0 Geological 20.0 Ryan 19.0 Nico		Timesheet	10500.00 9975.00	20475.00 20,475	525.00 per day
Geological	8-May-21	16-Jun-21	24.5 Geological 24.5 Sean		Timesheet	17150.00	17,150	700.00 per day
Geological	23-Apr-21	16-Jun-21	17.3 Geological 17.3 Frank		Timesheet	12937.50	12,938	750.00 per day
Geological	7-May-21	8-Jun-21	13.5 Geological 13.5 Peter		Timesheet	12980.79	12,981	961.54 per day
Lodging	8-May-21	16-Jun-21	23.5 Per Diem 23.5 Rate 1		Timesheet	1762.50	1,763	75.00 per day
Lodging	23-Apr-21	16-Jun-21	53.5 Per Diem 53.5 Rate 2		Timesheet	8025.00	8,025	150.00 per day
Lodging	7-May-21	8-Jun-21	13.5 Per Diem 13.5 Rate 3		Timesheet	5062.50	5,063	375.00 per day